

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062297.D
 Acq On : 13 May 2019 11:38
 Operator : FY/SY
 Sample : VD0513SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Quant Time: May 14 05:08:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	633682	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	857318	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	747066	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	405110	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	321397	54.58	ug/l	0.04
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	6.93	113	359113	50.48	ug/l	0.04
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	10.43	98	813334	47.42	ug/l	0.03
Spiked Amount			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	13.57	95	354288	51.44	ug/l	0.02
Spiked Amount			Recovery	=	102.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	128293	21.168	ug/l	97
3) Chloromethane	1.76	50	80777	18.445	ug/l	96
4) Vinyl Chloride	1.86	62	84931	19.734	ug/l	95
5) Bromomethane	2.16	94	30188	29.935	ug/l	99
6) Chloroethane	2.26	64	44772	24.791	ug/l	98
7) Trichlorofluoromethane	2.53	101	226857	27.112	ug/l	98
8) Diethyl Ether	2.88	74	31274	19.380	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.15	101	137713	21.757	ug/l	95
10) Methyl Iodide	3.31	142	143942	15.047	ug/l #	76
11) Tert butyl alcohol	4.10	59	31728	105.550	ug/l	96
12) 1,1-Dichloroethene	3.13	96	91936	19.028	ug/l #	79
13) Acrolein	3.05	56	28474	91.583	ug/l	87
14) Allyl chloride	3.63	41	141140	20.090	ug/l #	72
15) Acrylonitrile	4.21	53	74828	94.707	ug/l #	83
16) Acetone	3.23	43	131392	106.394	ug/l #	87
17) Carbon Disulfide	3.38	76	230820	16.607	ug/l	100
18) Methyl Acetate	3.66	43	45694	20.509	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	229224	22.133	ug/l	98
20) Methylene Chloride	3.82	84	110123	21.356	ug/l	96
21) trans-1,2-Dichloroethene	4.24	96	105736	19.666	ug/l	96
22) Diisopropyl ether	5.13	45	319360	21.362	ug/l	92
23) Vinyl Acetate	5.07	43	952374	120.743	ug/l	97
24) 1,1-Dichloroethane	5.00	63	202892	22.497	ug/l	98
25) 2-Butanone	6.09	43	139491	103.553	ug/l #	88
26) 2,2-Dichloropropane	6.04	77	222273	24.742	ug/l	92
27) cis-1,2-Dichloroethene	6.06	96	121107	20.124	ug/l	94
28) Bromochloromethane	6.45	49	88689	24.995	ug/l	84
29) Tetrahydrofuran	6.47	42	62202	100.218	ug/l	94
30) Chloroform	6.68	83	256151	23.567	ug/l	95
31) Cyclohexane	6.96	56	108903	17.626	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	248973	24.235	ug/l	97
36) 1,1-Dichloropropene	7.16	75	153012	21.768	ug/l	93
37) Ethyl Acetate	6.20	43	70208	23.552	ug/l #	90
38) Carbon Tetrachloride	7.13	117	244256	25.106	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	129168	19.179	ug/l	94
40) Benzene	7.47	78	319839	20.150	ug/l	99
41) Methacrylonitrile	6.46	41	79627	21.858	ug/l #	82
42) 1,2-Dichloroethane	7.59	62	177157	26.343	ug/l	92
43) Isopropyl Acetate	9.26	43	91798	21.713	ug/l	95
44) Trichloroethene	8.55	130	118732	19.630	ug/l	75
45) 1,2-Dichloropropane	8.95	63	78578	20.014	ug/l	93
46) Dibromomethane	9.08	93	72444	22.691	ug/l	91
47) Bromodichloromethane	9.39	83	192955	24.708	ug/l	97
48) Methyl methacrylate	9.13	41	62012	23.813	ug/l #	84
49) 1,4-Dioxane	9.10	88	10692	380.540	ug/l #	87
51) 4-Methyl-2-Pentanone	10.31	43	302586	111.343	ug/l	94
52) Toluene	10.53	92	223187	21.611	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	157770	23.375	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	168017	22.818	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	81883	22.409	ug/l	97
56) Ethyl methacrylate	11.06	69	81555	21.478	ug/l #	77
57) 1,3-Dichloropropane	11.42	76	114367	20.717	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	237745	114.624	ug/l	97
59) 2-Hexanone	11.54	43	220980	110.326	ug/l	88
60) Dibromochloromethane	11.70	129	139523	22.094	ug/l	96
61) 1,2-Dibromoethane	11.81	107	96438	21.708	ug/l	94
64) Tetrachloroethene	11.27	164	115835	19.829	ug/l	97
65) Chlorobenzene	12.40	112	269890	19.397	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	132118	21.817	ug/l	94
67) Ethyl Benzene	12.53	91	517057	22.196	ug/l	95
68) m/p-Xylenes	12.68	106	357574	42.191	ug/l	89
69) o-Xylene	13.05	106	169527	21.516	ug/l	78
70) Styrene	13.08	104	266103	19.936	ug/l	96
71) Bromoform	13.24	173	93578	22.211	ug/l	98
73) Isopropylbenzene	13.41	105	514976	21.207	ug/l	94
74) N-amyl acetate	13.27	43	128153	20.129	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	90287	19.640	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	105934	22.004	ug/l	95
77) Bromobenzene	13.67	156	137075	20.164	ug/l	89
78) n-propylbenzene	13.78	91	607755	20.981	ug/l	96
79) 2-Chlorotoluene	13.85	91	350015	21.098	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	423492	20.710	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.48	75	25516	18.774	ug/l #	72
82) 4-Chlorotoluene	13.95	91	428697	21.959	ug/l	79
83) tert-Butylbenzene	14.20	119	498191	21.675	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	445865	21.728	ug/l	90
85) sec-Butylbenzene	14.37	105	550294	21.837	ug/l	95
86) p-Isopropyltoluene	14.50	119	488415	21.693	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	251983	20.292	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	256586	21.029	ug/l	100
89) n-Butylbenzene	14.81	91	427314	21.145	ug/l	94
90) Hexachloroethane	15.01	117	126366	20.639	ug/l	92
91) 1,2-Dichlorobenzene	14.82	146	213857	20.911	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	17175	22.759	ug/l	84

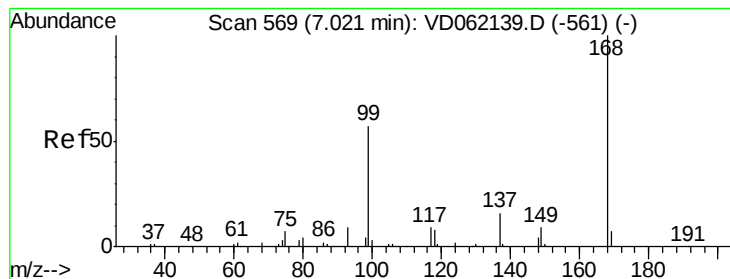
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	171684	23.064	ug/l	96
94) Hexachlorobutadiene	16.05	225	119499	21.584	ug/l	96
95) Naphthalene	16.13	128	202606	19.495	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	113590	24.270	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

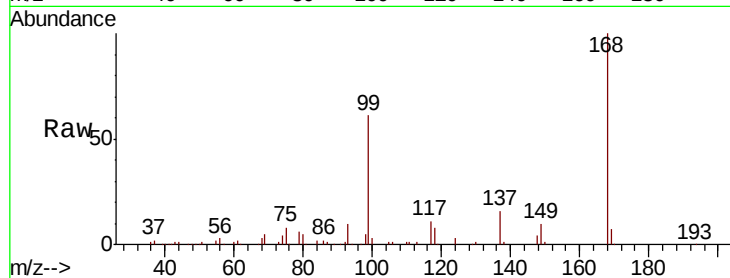
VD0513SBS01

Tot Ion:168 Resp: 633682

Ion Ratio Lower Upper

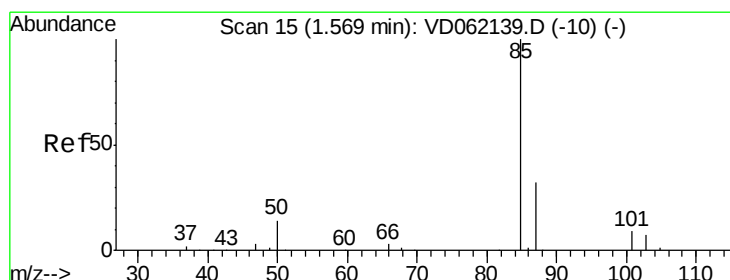
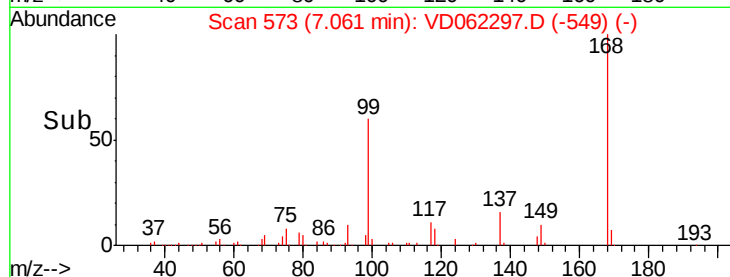
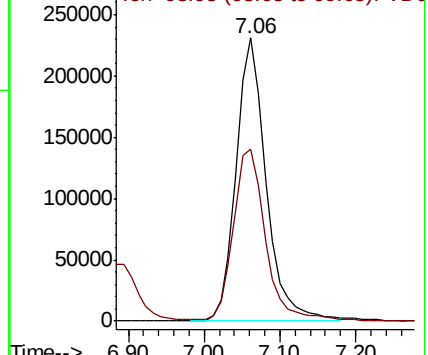
168 100

99 60.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.168 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062297.D

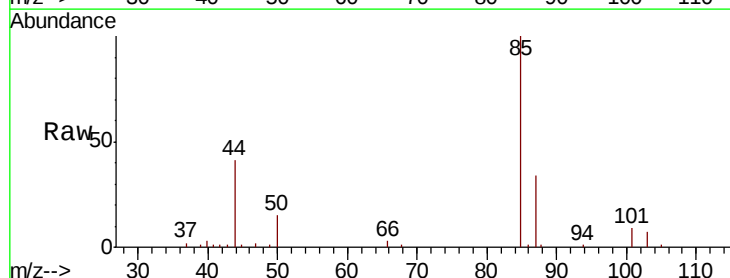
Acq: 13 May 2019 11:38

Tgt Ion: 85 Resp: 128293

Ion Ratio Lower Upper

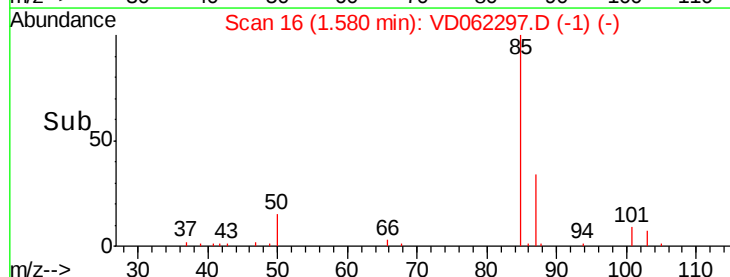
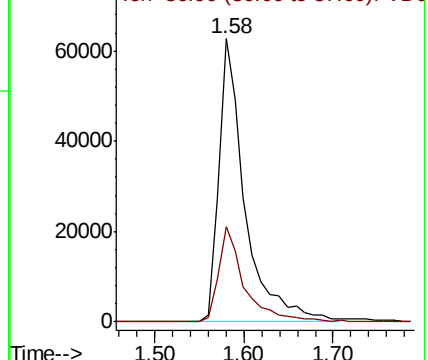
85 100

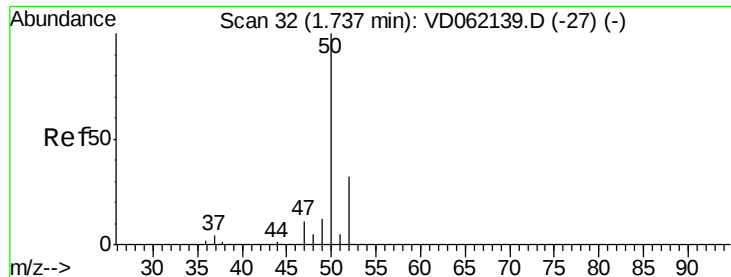
87 33.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.445 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

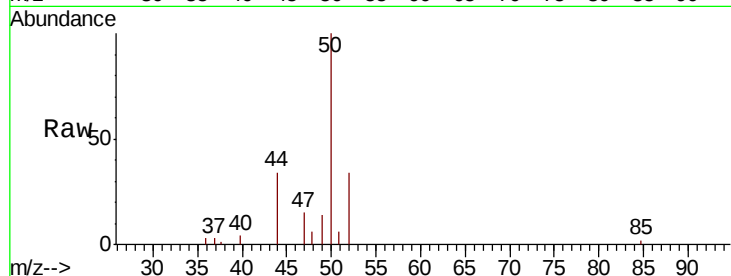
VD0513SBS01

Tot Ion: 50 Resp: 80777

Ion Ratio Lower Upper

50 100

52 33.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

30000

25000

20000

15000

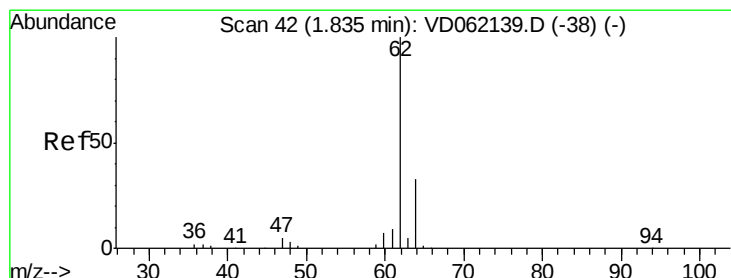
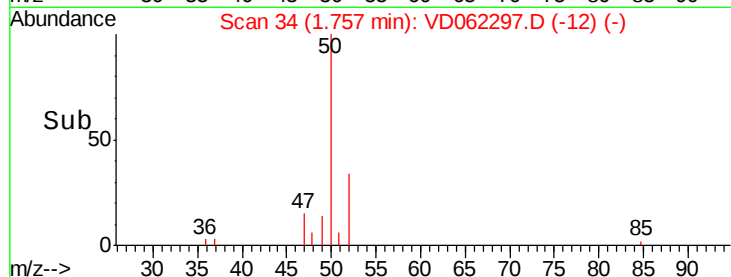
10000

5000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 19.734 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062297.D

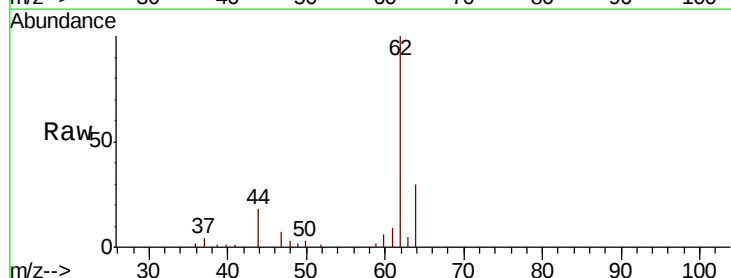
Acq: 13 May 2019 11:38

Tgt Ion: 62 Resp: 84931

Ion Ratio Lower Upper

62 100

64 30.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

50000

40000

30000

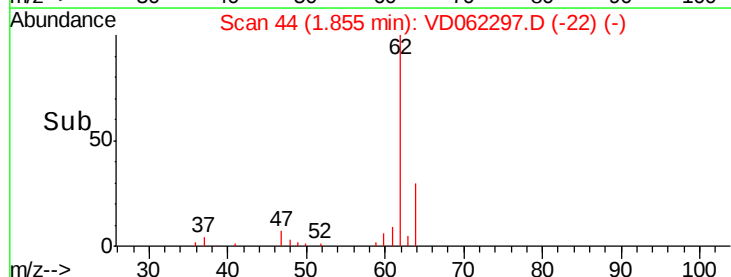
20000

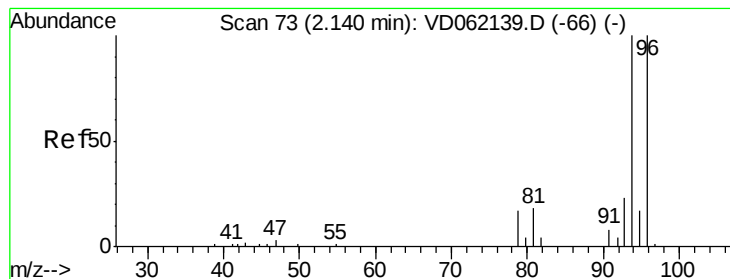
10000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 29.935 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

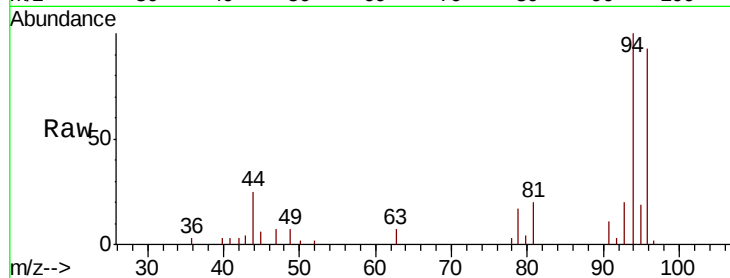
Tot Ion: 94 Resp: 30188

Ion Ratio Lower Upper

94 100

96 95.4 76.6 115.0

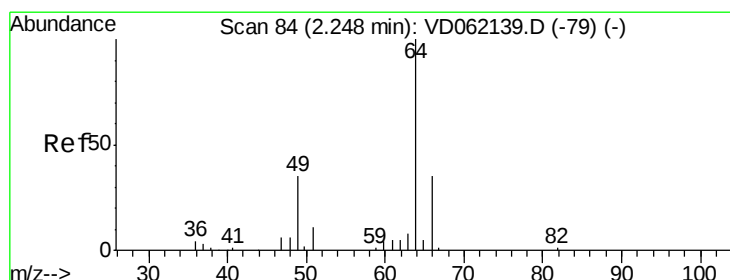
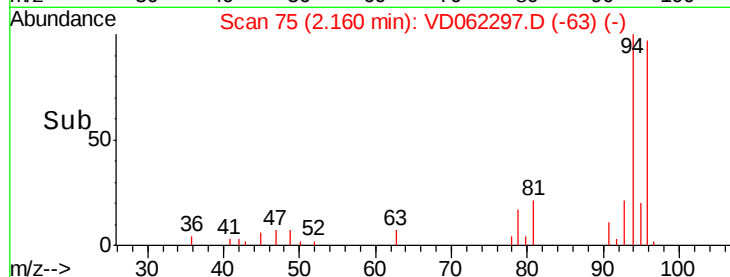
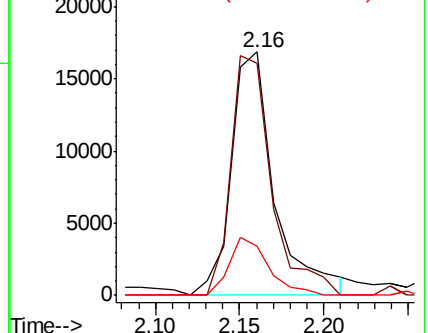
93 20.4 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 24.791 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062297.D

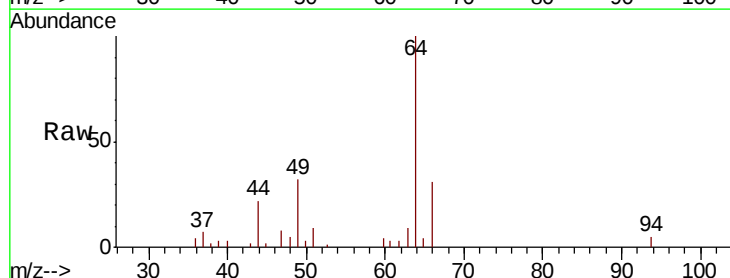
Acq: 13 May 2019 11:38

Tgt Ion: 64 Resp: 44772

Ion Ratio Lower Upper

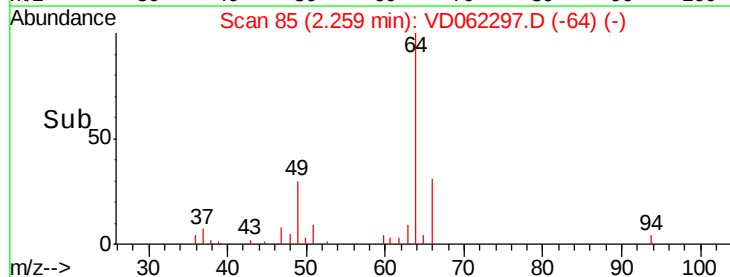
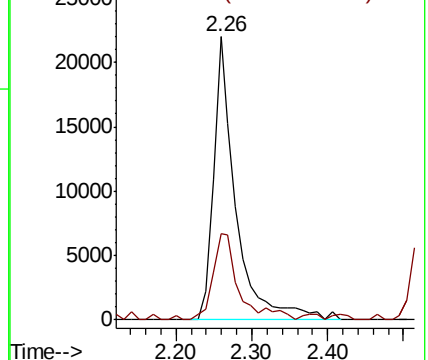
64 100

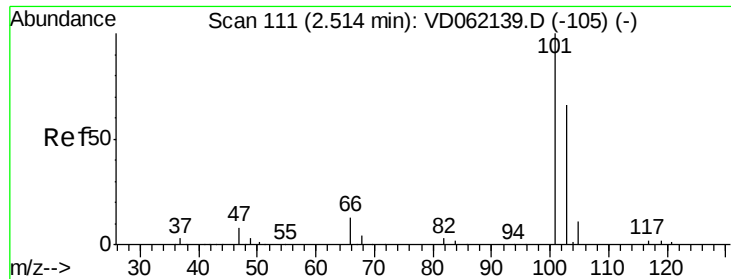
66 30.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



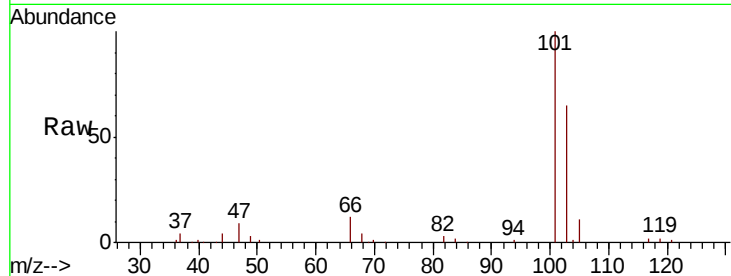


#7

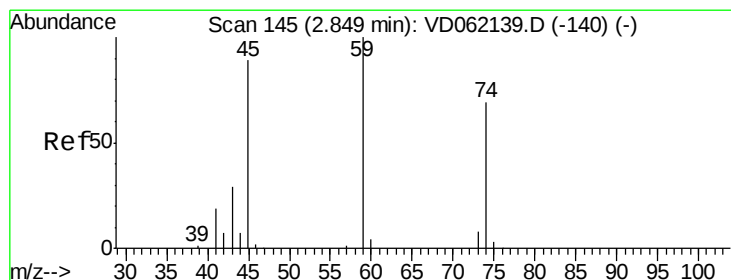
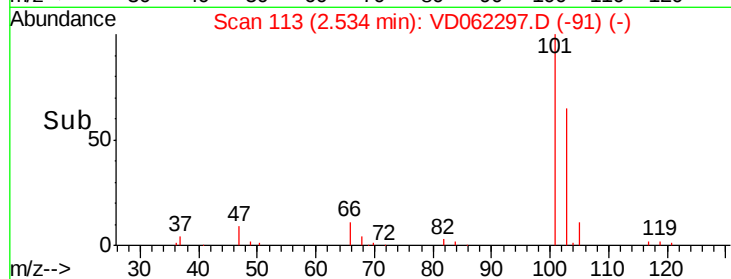
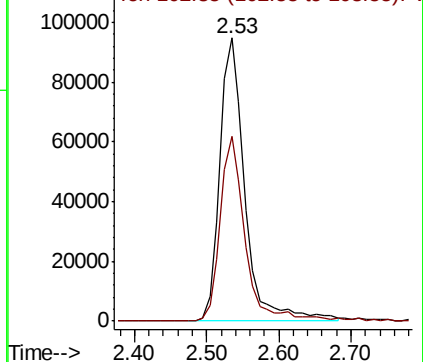
Trichlorofluoromethane
 Concen: 27.112 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Instrument :
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 VD0513SBS01

Tot Ion:101 Resp: 226857
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.6 80.4



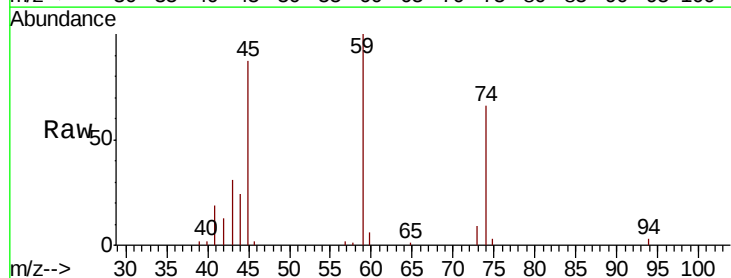
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



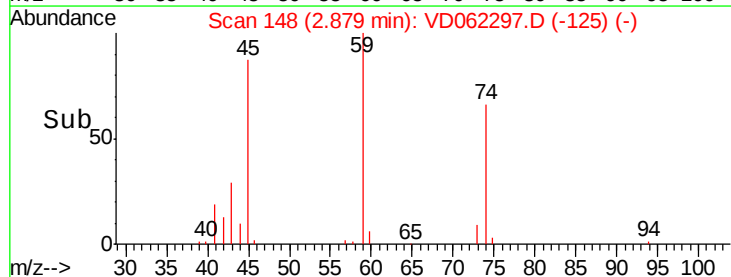
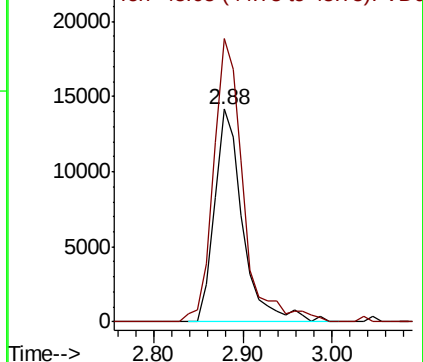
#8

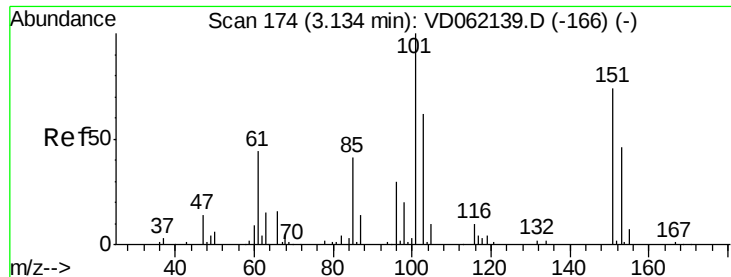
Diethyl Ether
 Concen: 19.380 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Tgt Ion: 74 Resp: 31274
 Ion Ratio Lower Upper
 74 100
 45 136.1 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.757 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

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MSVOA_D

ClientSampleId :

VD0513SBS01

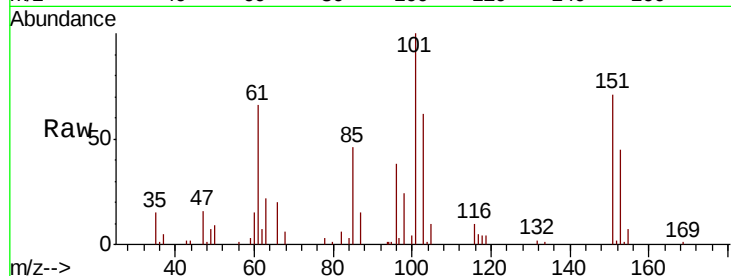
Tot Ion:101 Resp: 137713

Ion Ratio Lower Upper

101 100

85 46.1 32.4 48.6

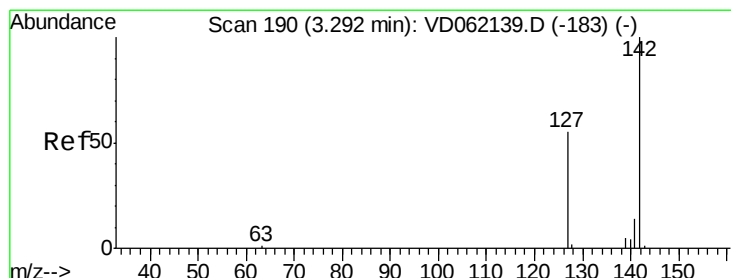
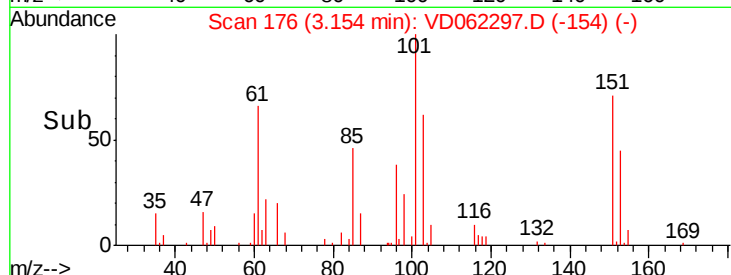
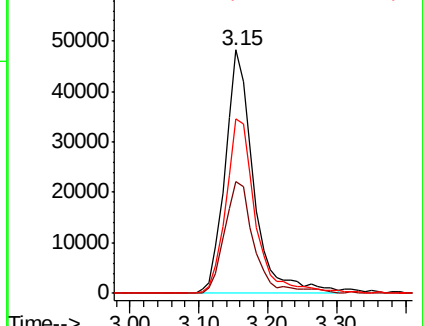
151 71.4 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.047 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

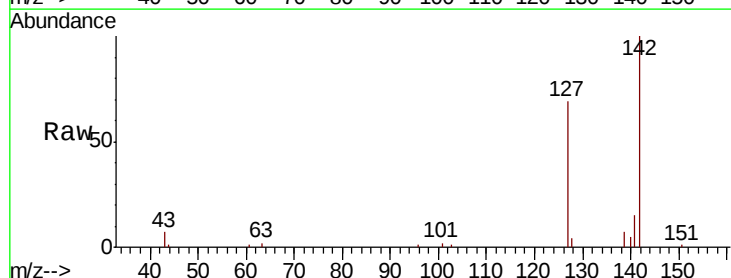
Tgt Ion:142 Resp: 143942

Ion Ratio Lower Upper

142 100

127 69.1 38.8 58.2#

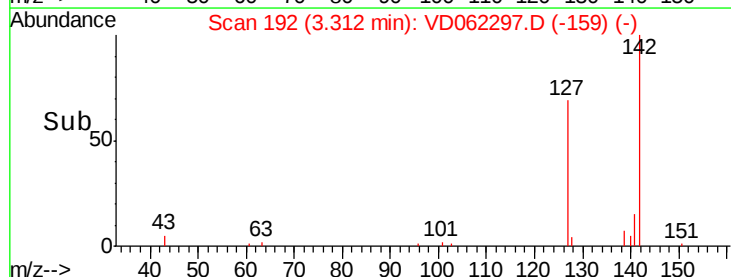
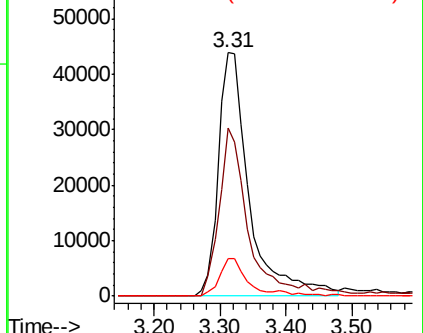
141 15.3 11.4 17.0

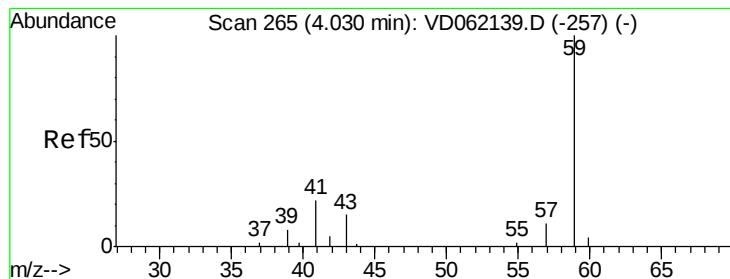


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



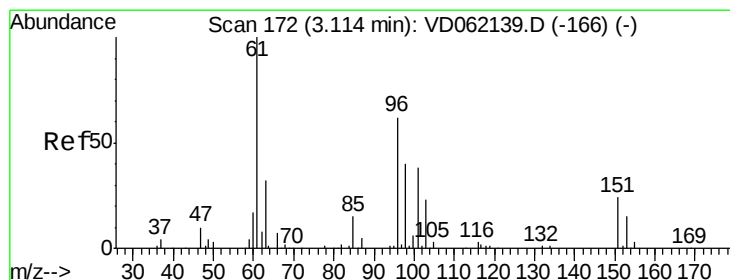
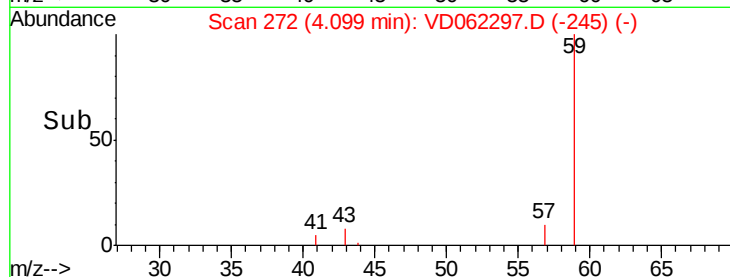
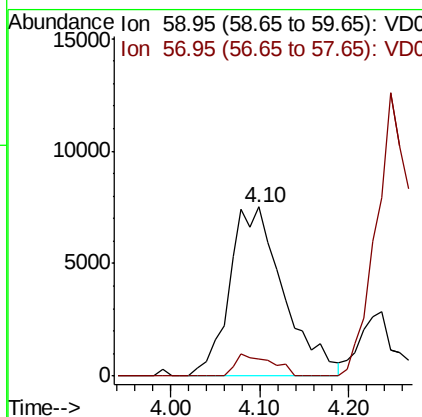
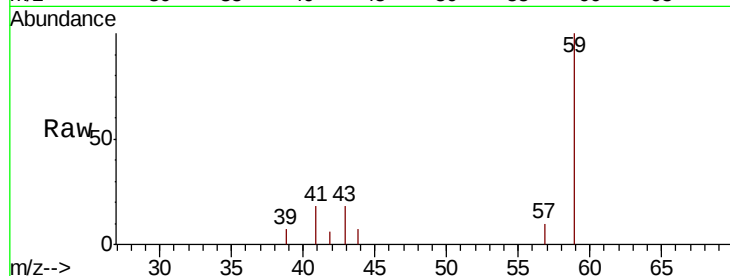


#11

Tert butyl alcohol
 Concen: 105.550 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.07 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

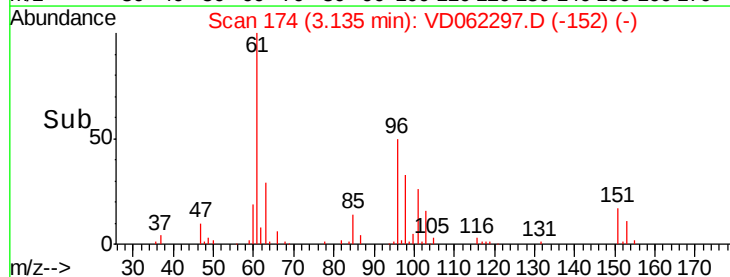
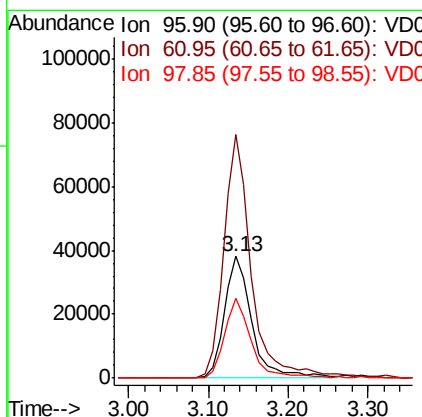
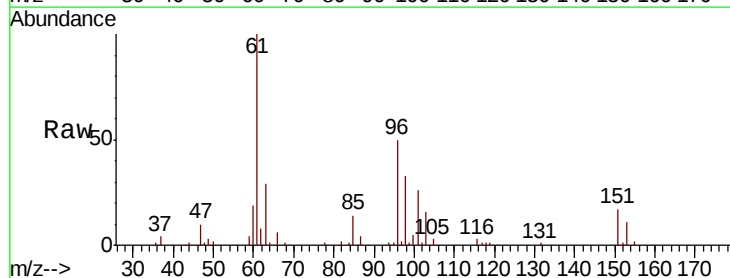
Tot Ion: 59 Resp: 31728
 Ion Ratio Lower Upper
 59 100
 57 9.9 6.9 10.3

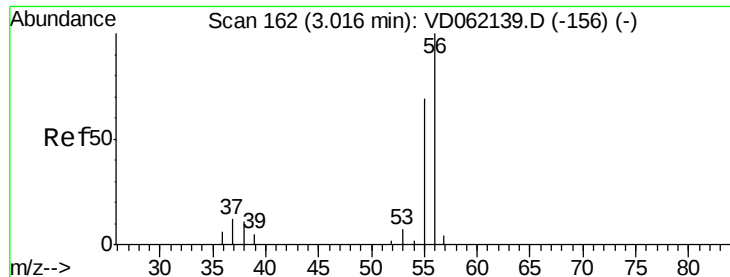


#12

1,1-Dichloroethene
 Concen: 19.028 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.02 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Tgt Ion: 96 Resp: 91936
 Ion Ratio Lower Upper
 96 100
 61 200.1 129.8 194.8#
 98 65.6 51.2 76.8





#13

Acrolein

Concen: 91.583 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

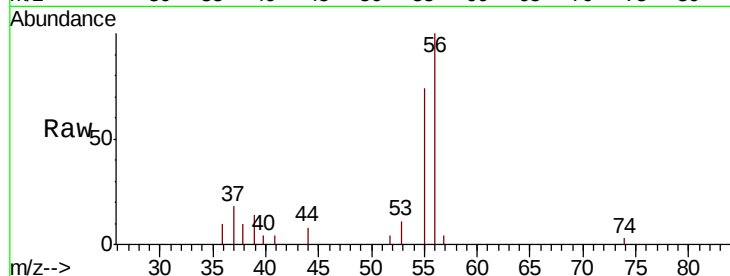
VD0513SBS01

Tot Ion: 56 Resp: 28474

Ion Ratio Lower Upper

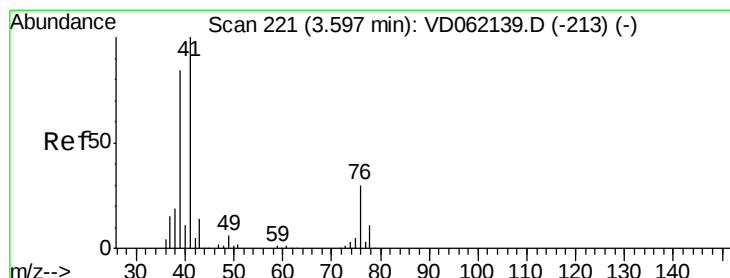
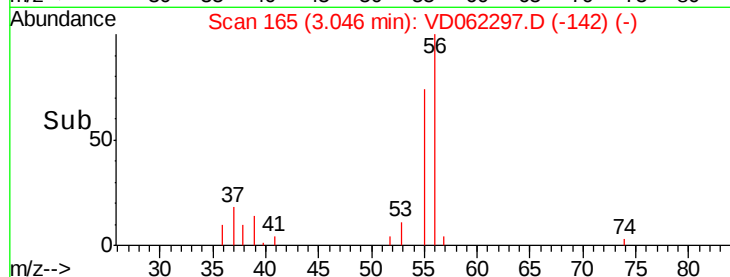
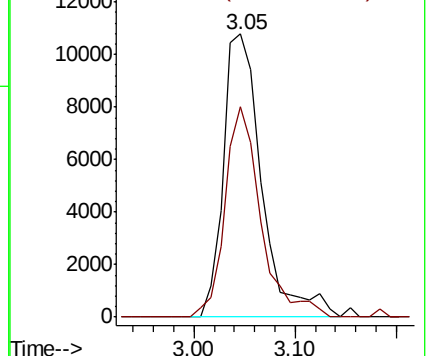
56 100

55 74.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.090 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

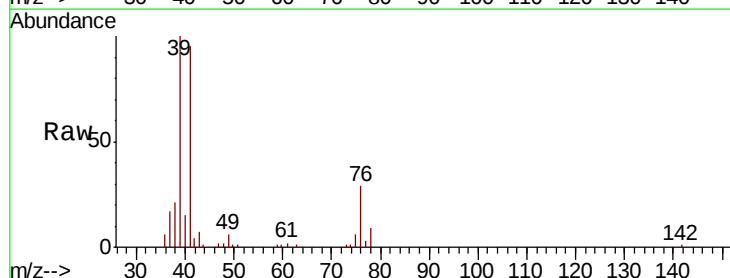
Tgt Ion: 41 Resp: 141140

Ion Ratio Lower Upper

41 100

39 104.8 60.5 90.7#

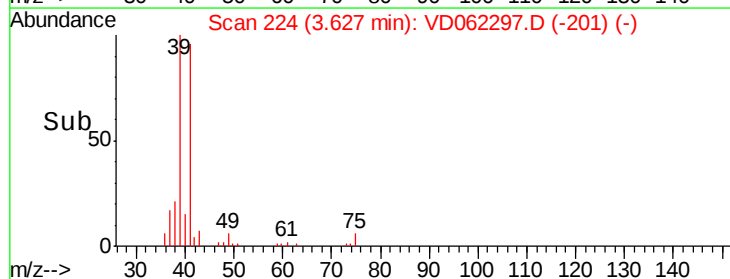
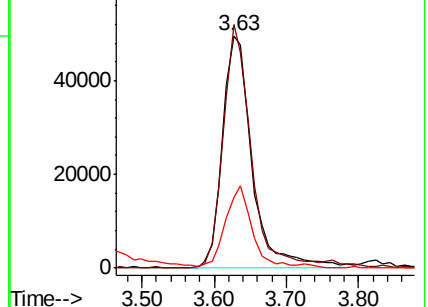
76 30.2 31.8 47.8#

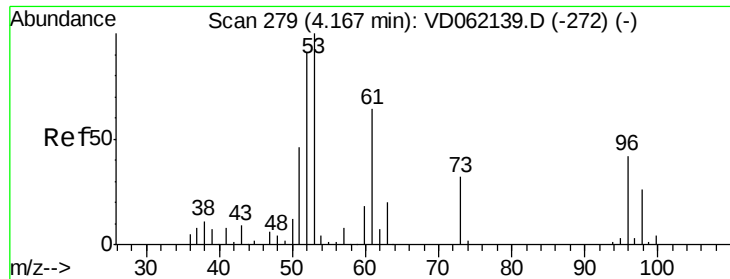


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 94.707 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

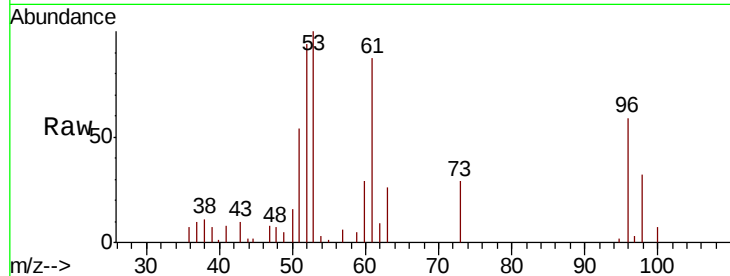
Tot Ion: 53 Resp: 74828

Ion Ratio Lower Upper

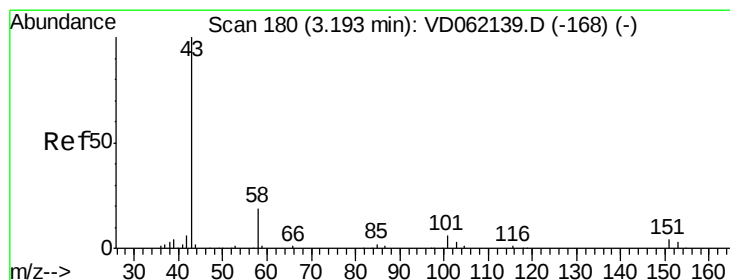
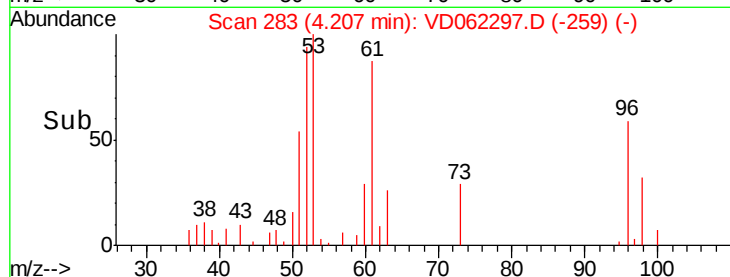
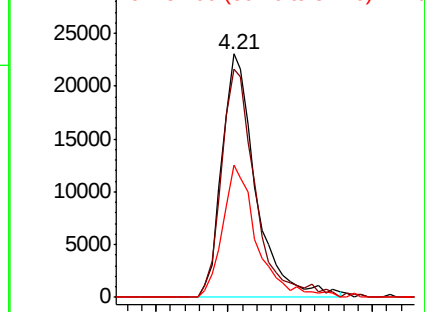
53 100

52 93.7 65.0 97.4

51 54.3 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 106.394 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062297.D

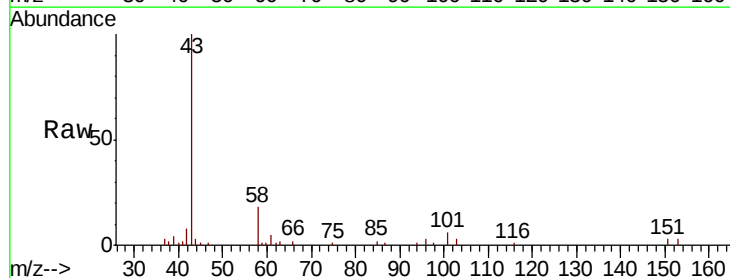
Acq: 13 May 2019 11:38

Tgt Ion: 43 Resp: 131392

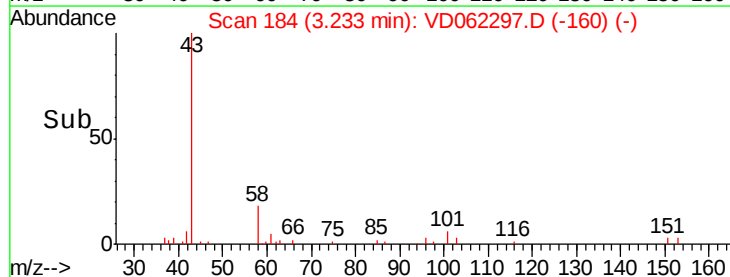
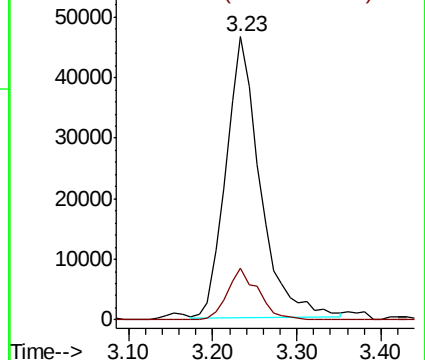
Ion Ratio Lower Upper

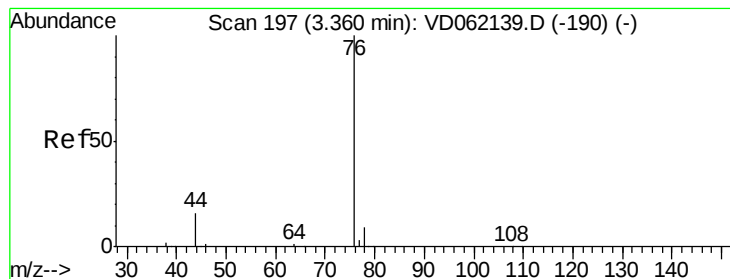
43 100

58 18.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 16.607 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

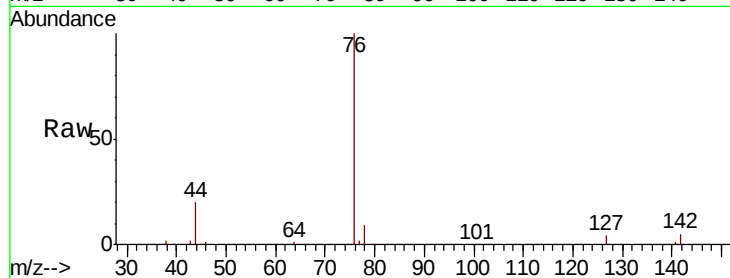
VD0513SBS01

Tot Ion: 76 Resp: 230820

Ion Ratio Lower Upper

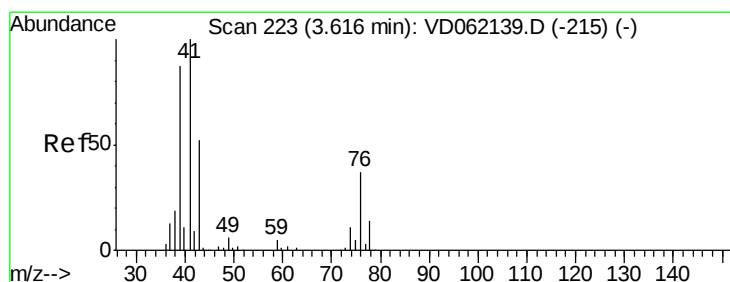
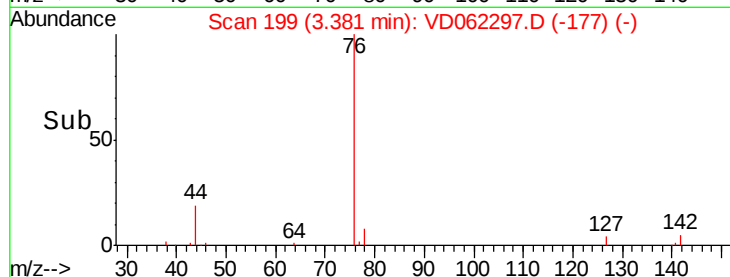
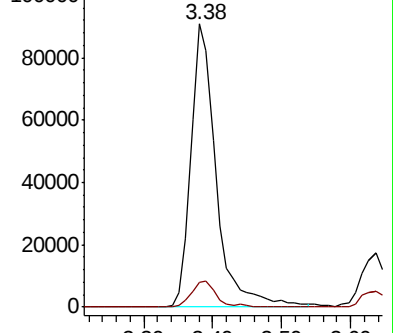
76 100

78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.509 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD062297.D

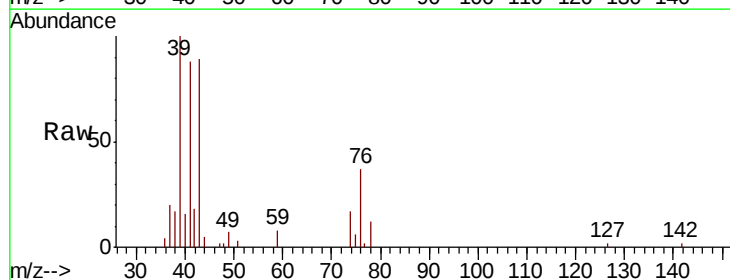
Acq: 13 May 2019 11:38

Tgt Ion: 43 Resp: 45694

Ion Ratio Lower Upper

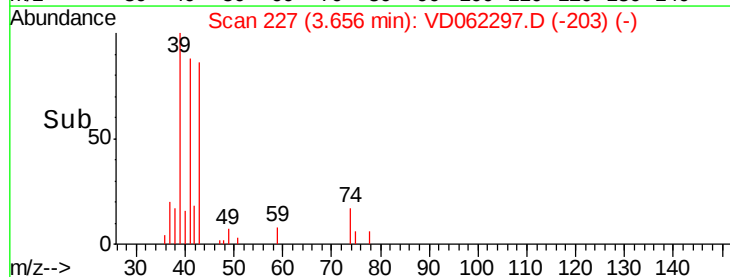
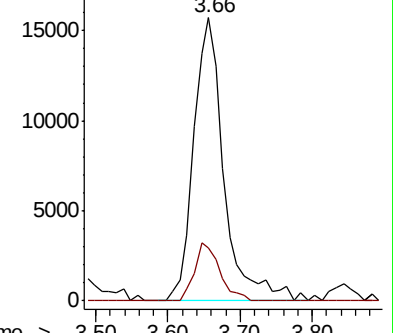
43 100

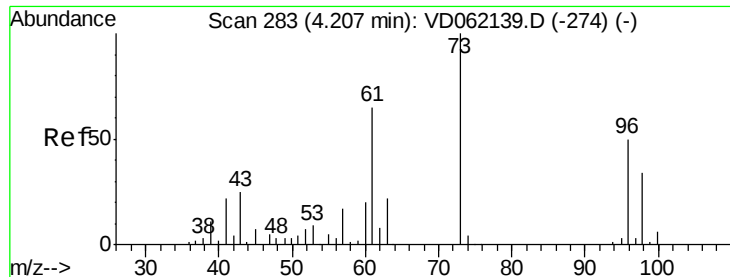
74 18.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

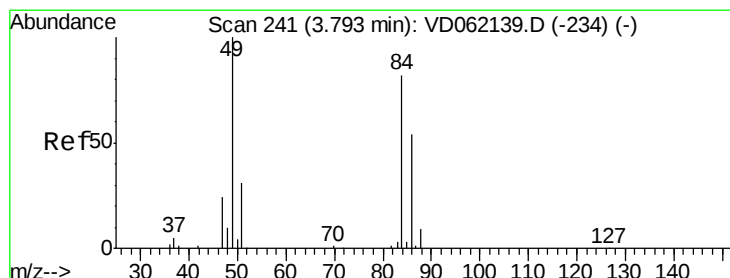
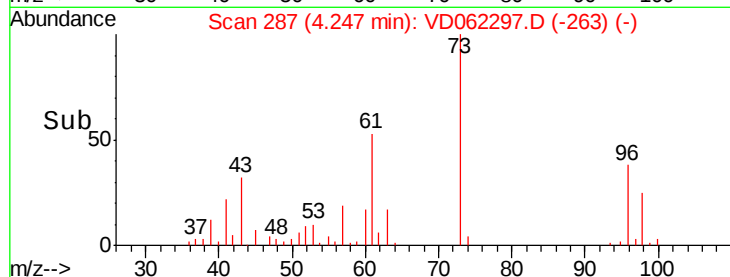
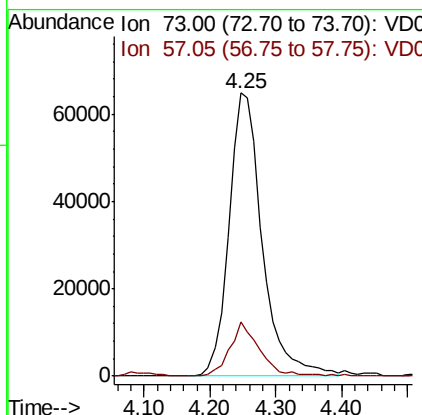
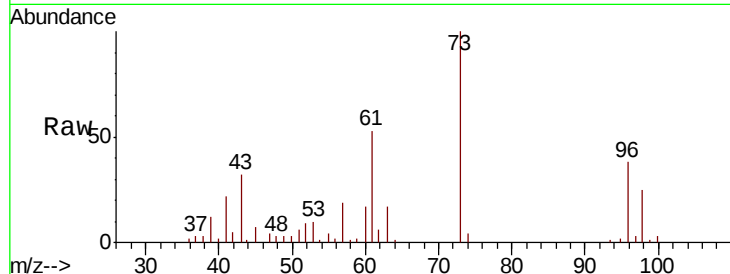




#19
Methvl tert-butvl Ether
Concen: 22.133 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

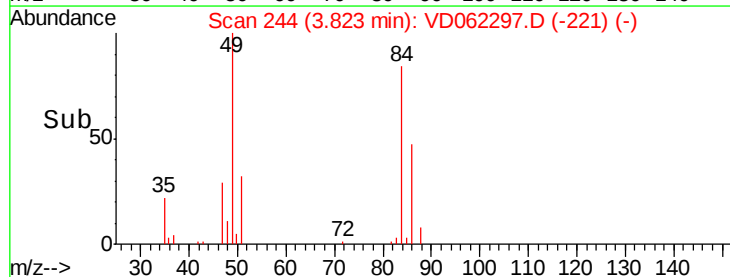
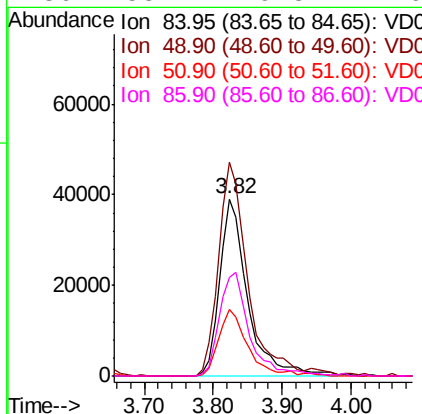
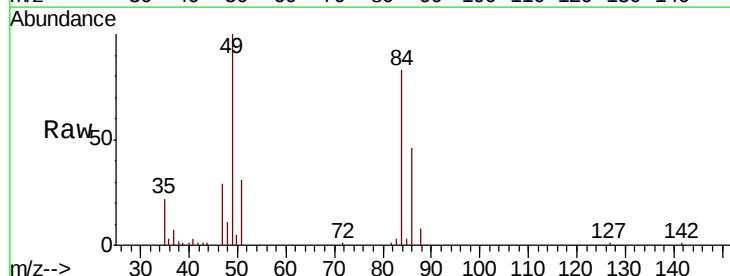
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

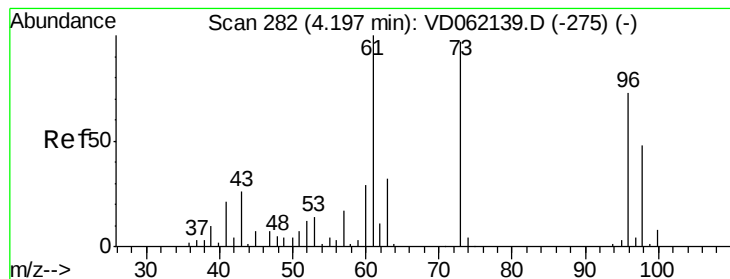
Tot Ion: 73 Resp: 229224
Ion Ratio Lower Upper
73 100
57 19.4 16.3 24.5



#20
Methylene Chloride
Concen: 21.356 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion: 84 Resp: 110123
Ion Ratio Lower Upper
84 100
49 120.5 94.0 141.0
51 37.6 29.0 43.4
86 55.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.666 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

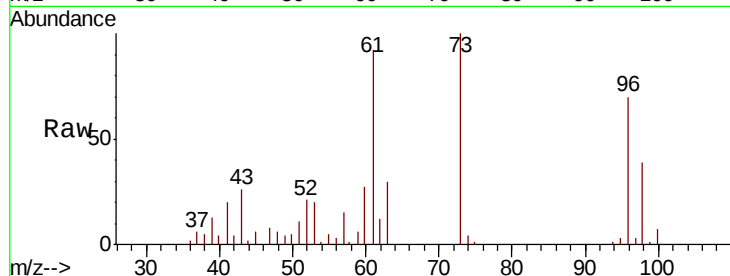
Tot Ion: 96 Resp: 105736

Ion Ratio Lower Upper

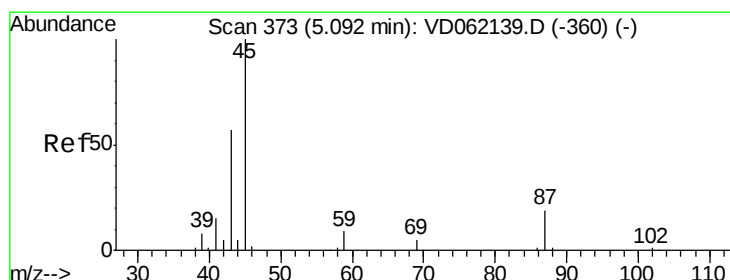
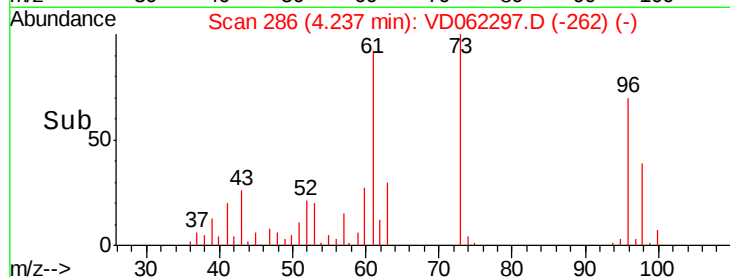
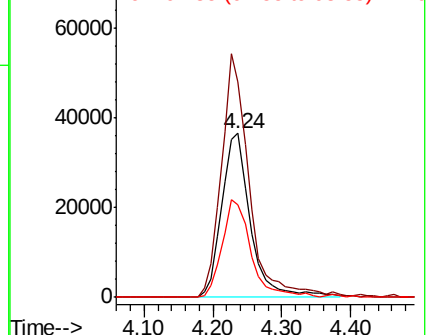
96 100

61 131.3 104.4 156.6

98 56.2 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.362 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Tgt Ion: 45 Resp: 319360

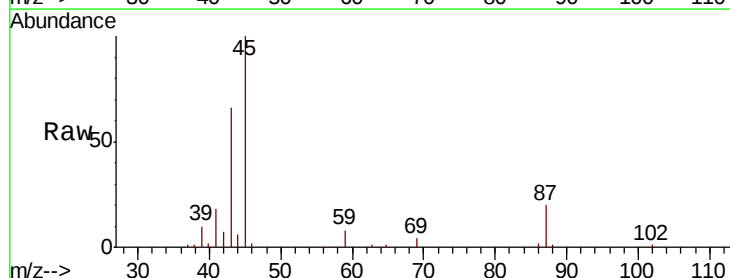
Ion Ratio Lower Upper

45 100

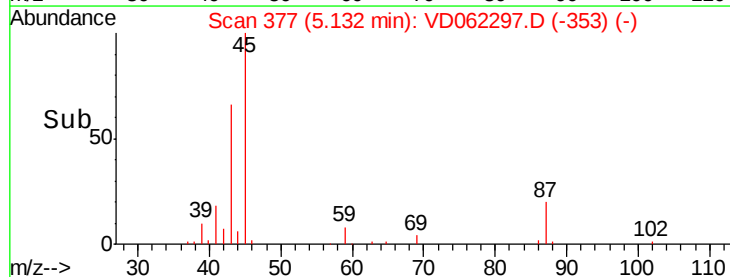
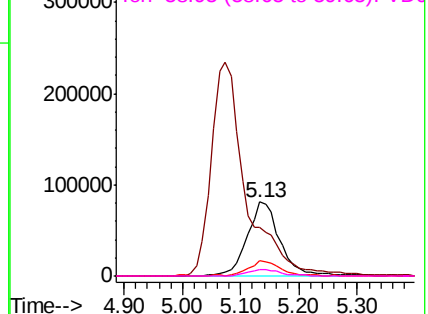
43 66.3 46.2 69.2

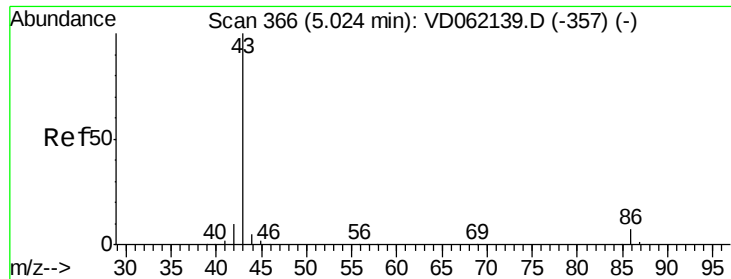
87 20.1 15.9 23.9

59 8.3 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 120.743 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

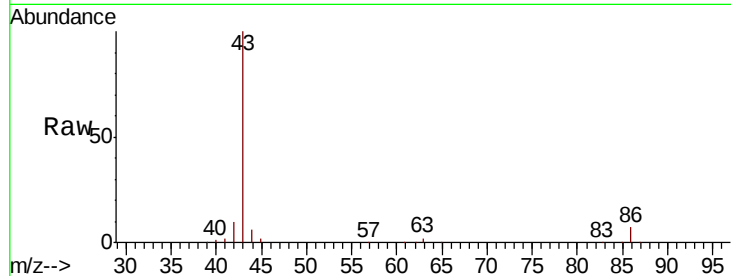
VD0513SBS01

Tot Ion: 43 Resp: 952374

Ion Ratio Lower Upper

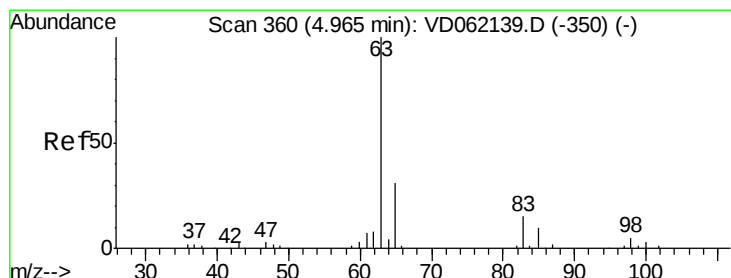
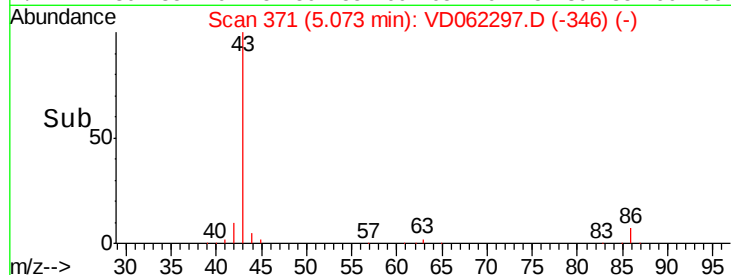
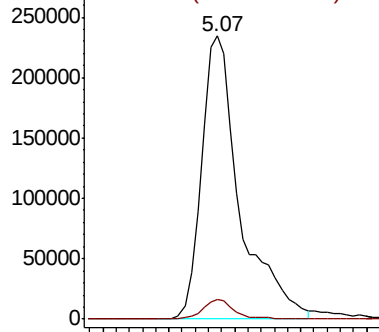
43 100

86 6.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.497 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

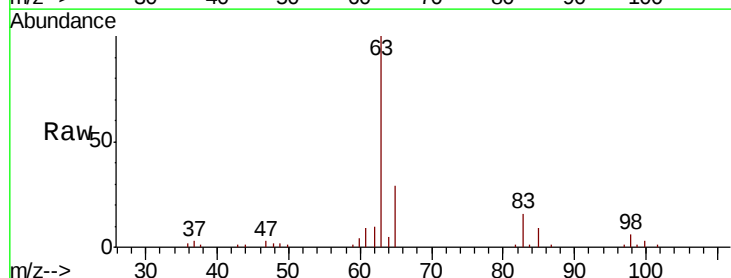
Tgt Ion: 63 Resp: 202892

Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

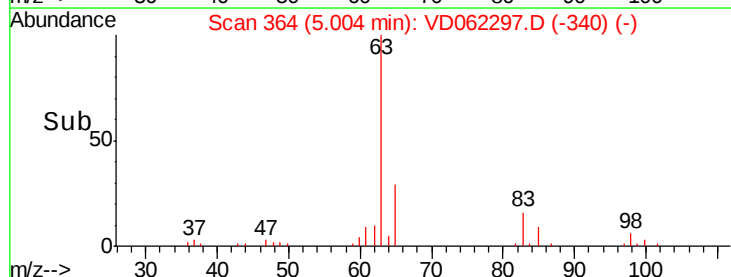
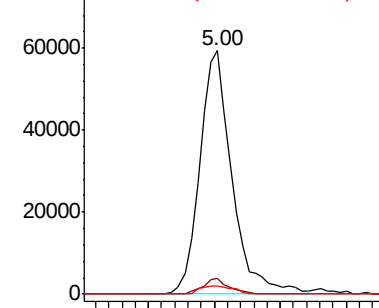
100 3.5 1.8 5.5

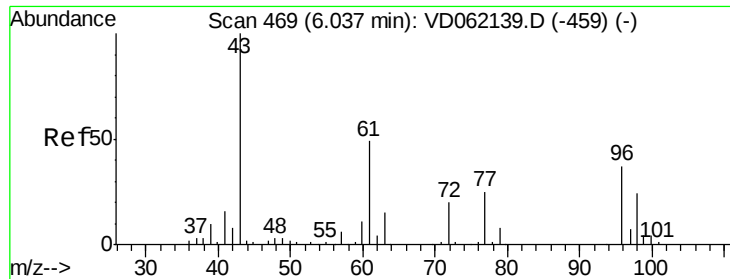


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.553 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

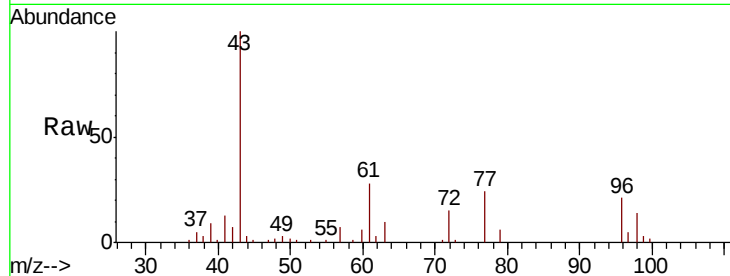
VD0513SBS01

Tot Ion: 43 Resp: 139491

Ion Ratio Lower Upper

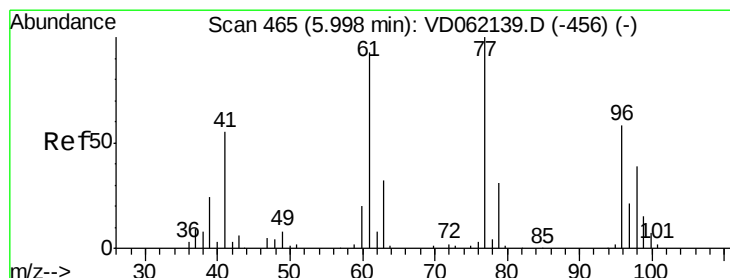
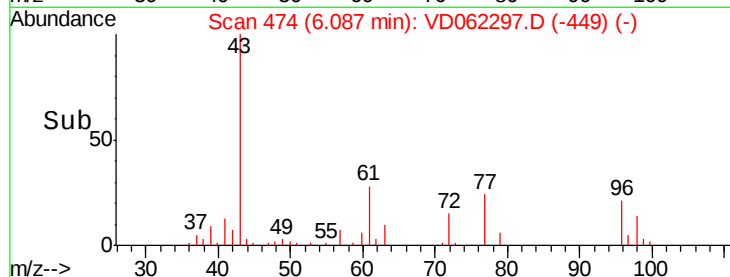
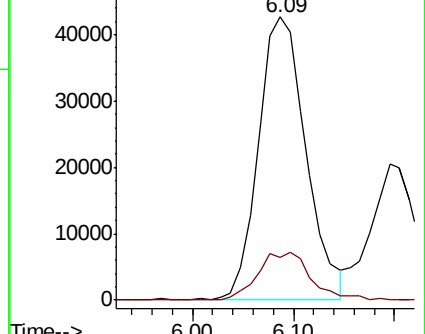
43 100

72 14.9 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 24.742 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062297.D

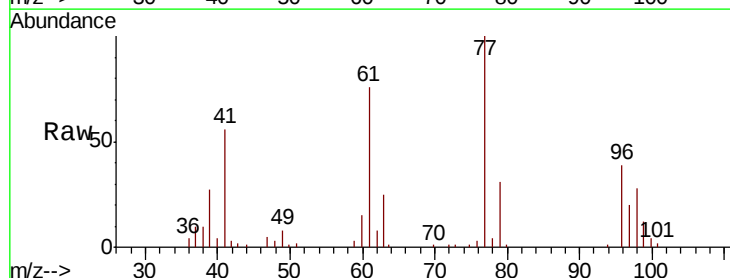
Acq: 13 May 2019 11:38

Tgt Ion: 77 Resp: 222273

Ion Ratio Lower Upper

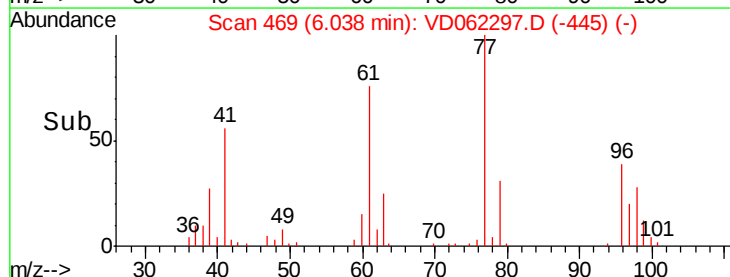
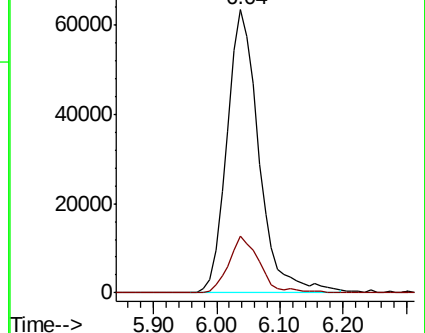
77 100

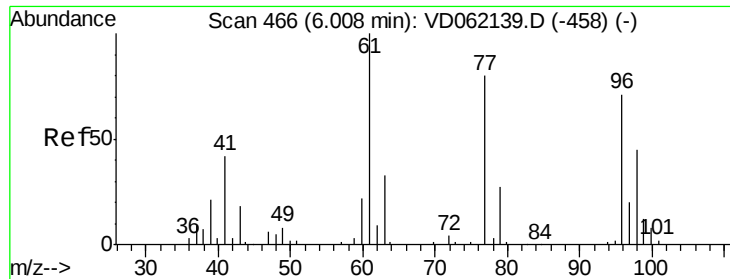
97 19.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



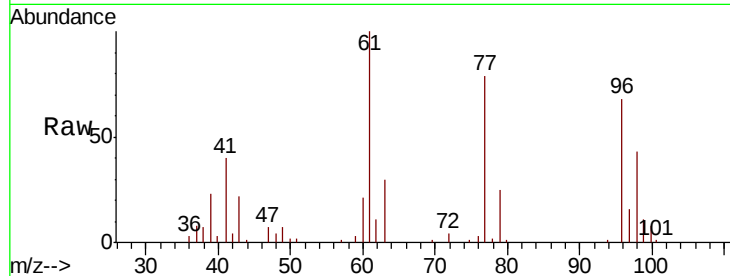


#27

cis-1,2-Dichloroethene
Concen: 20.124 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	279.8
98	63.1	0.0	136.0

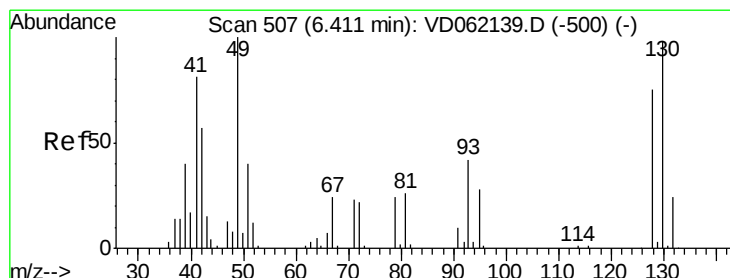
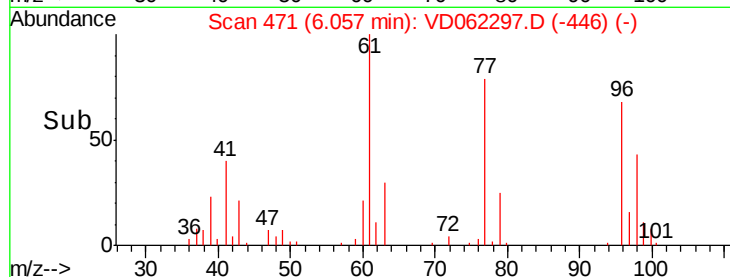
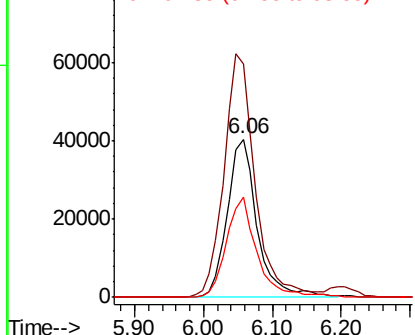


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

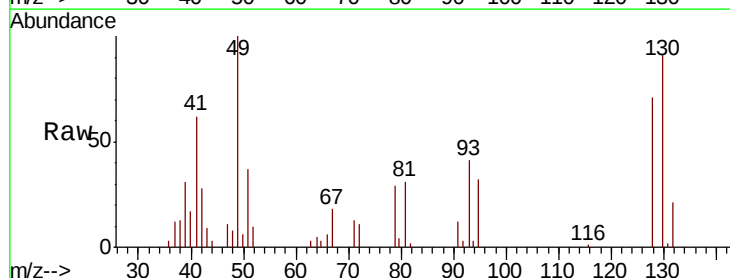
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
Concen: 24.995 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.6
130	91.4	86.7	130.1

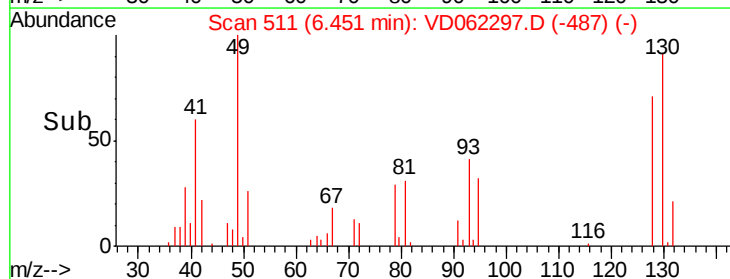
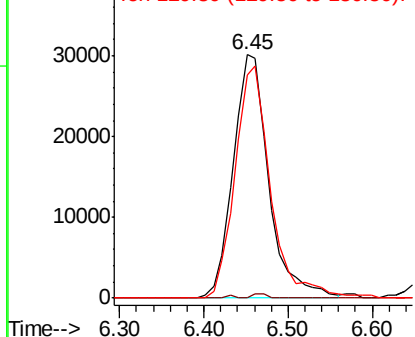


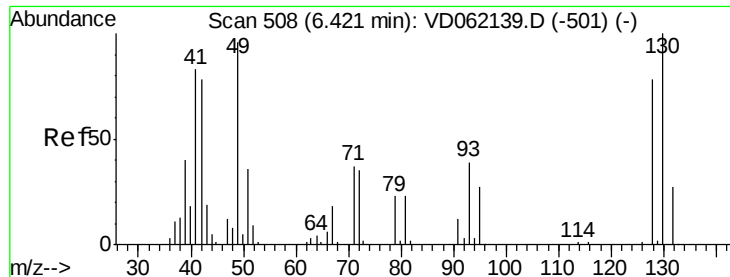
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 100.218 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

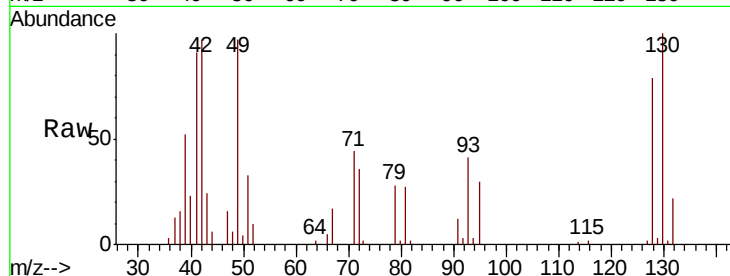
Tot Ion: 42 Resp: 62202

Ion Ratio Lower Upper

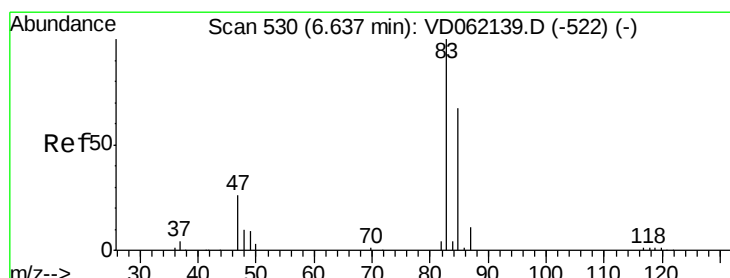
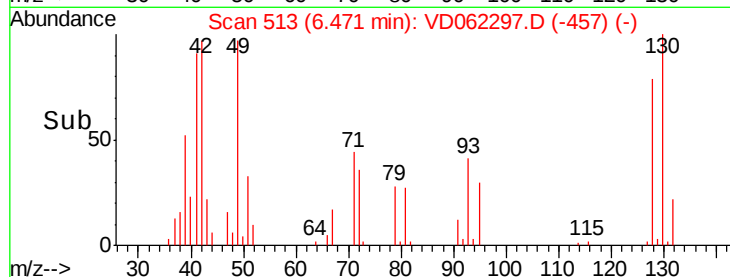
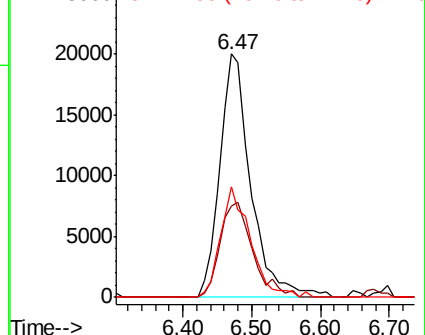
42 100

72 41.2 37.8 56.6

71 43.8 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 23.567 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.04 min

Lab File: VD062297.D

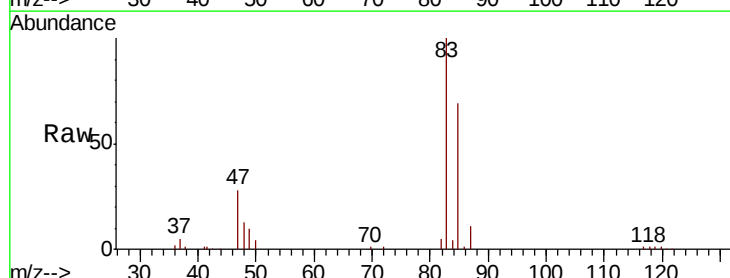
Acq: 13 May 2019 11:38

Tgt Ion: 83 Resp: 256151

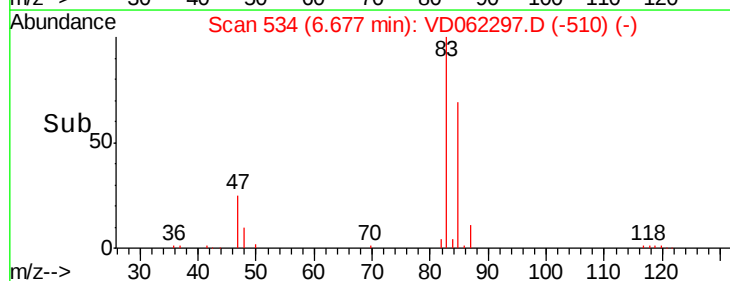
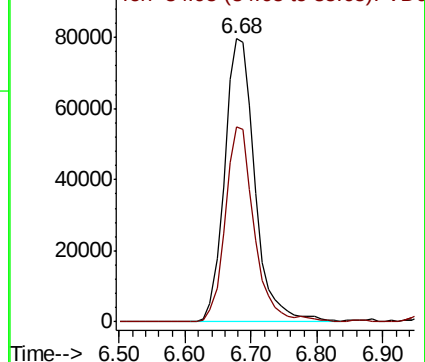
Ion Ratio Lower Upper

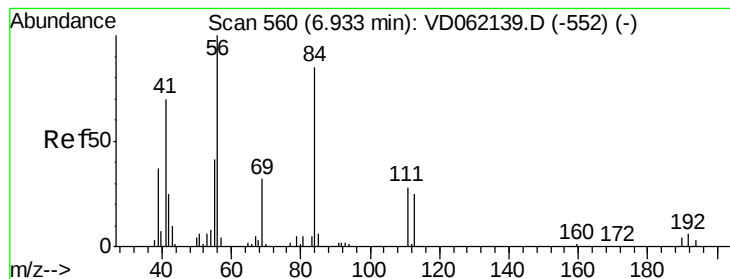
83 100

85 68.9 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 17.626 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

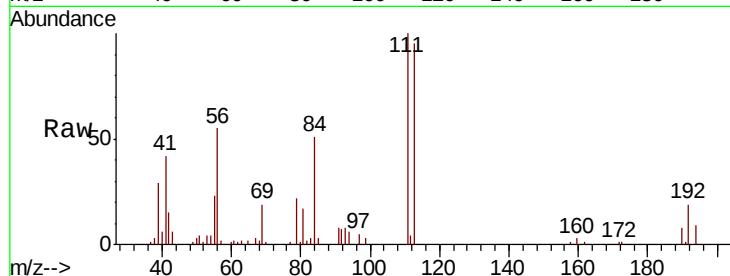
Tot Ion: 56 Resp: 108903

Ion Ratio Lower Upper

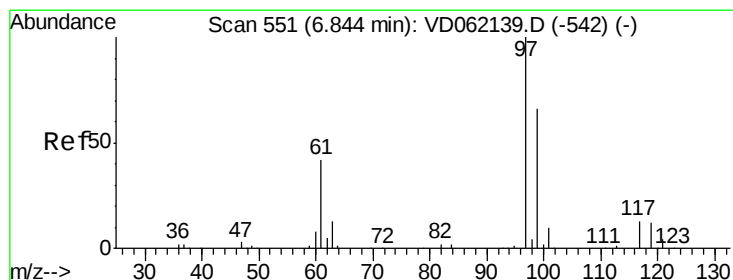
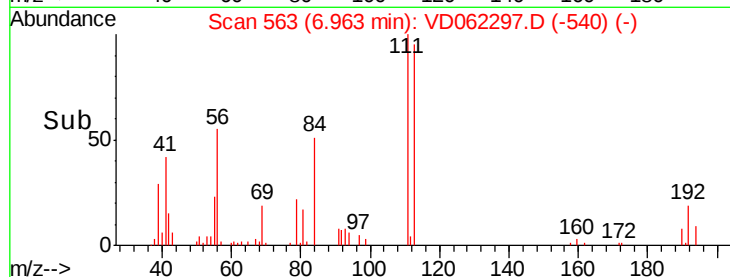
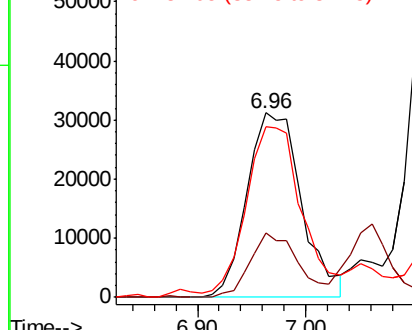
56 100

69 34.7 25.8 38.6

84 92.5 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 24.235 ug/l

RT: 6.88 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

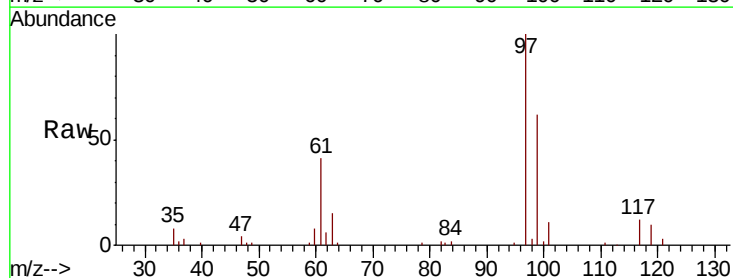
Tgt Ion: 97 Resp: 248973

Ion Ratio Lower Upper

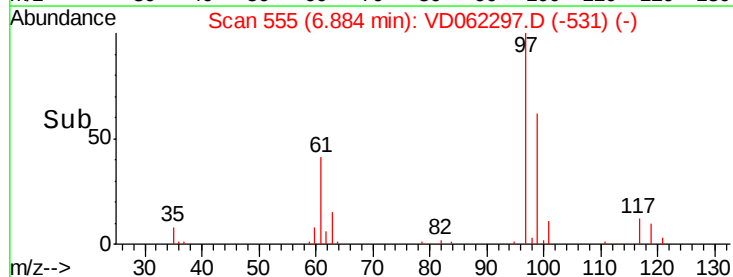
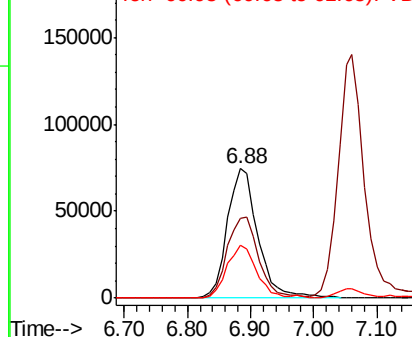
97 100

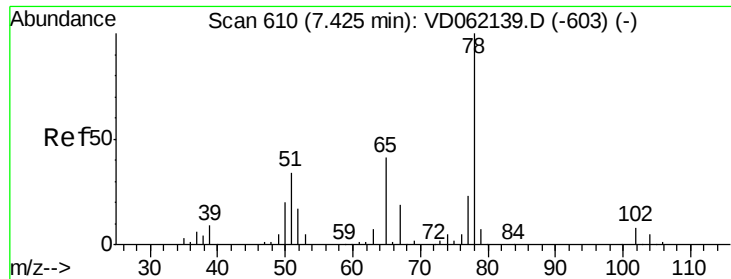
99 61.9 52.2 78.2

61 40.8 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.577 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

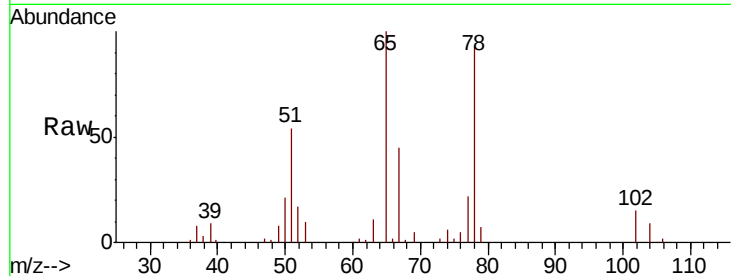
VD0513SBS01

Tot Ion: 65 Resp: 321397

Ion Ratio Lower Upper

65 100

67 45.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

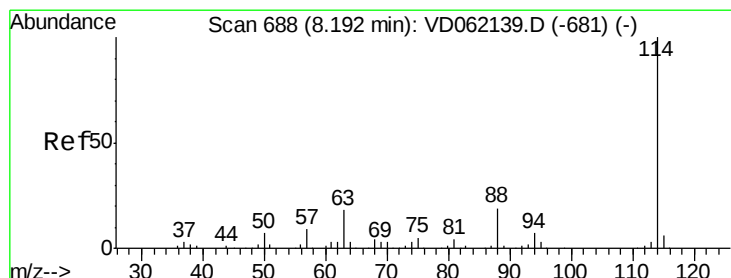
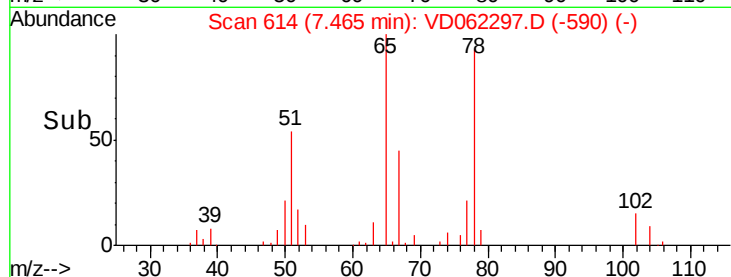
7.46

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

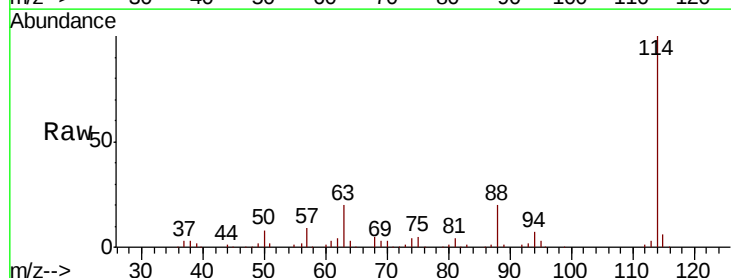
Tgt Ion: 114 Resp: 857318

Ion Ratio Lower Upper

114 100

63 19.7 0.0 32.4

88 19.6 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

400000

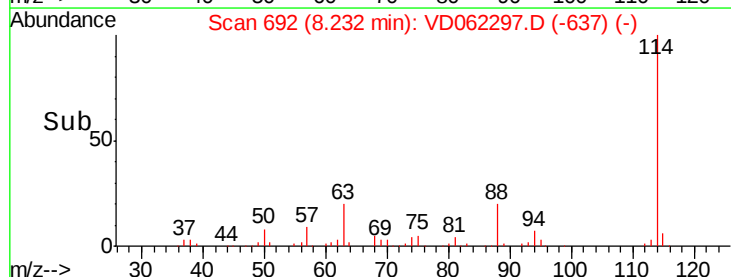
300000

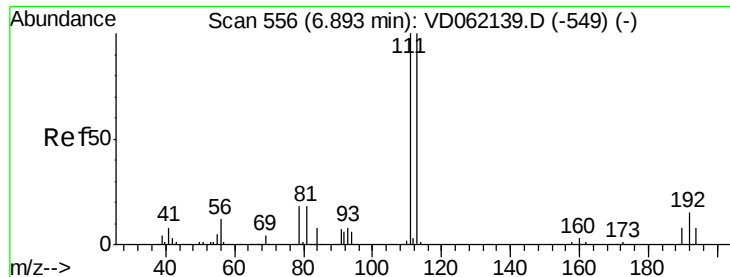
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.485 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

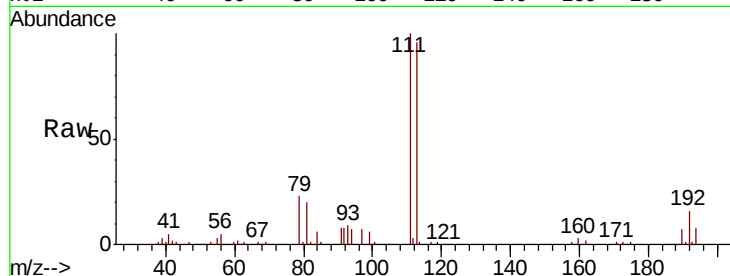
Tot Ion:113 Resp: 359113

Ion Ratio Lower Upper

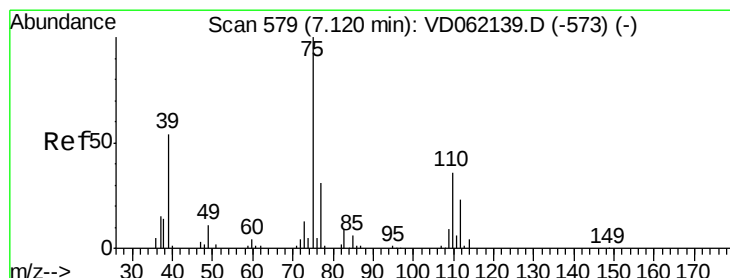
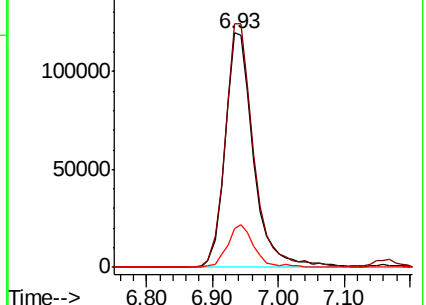
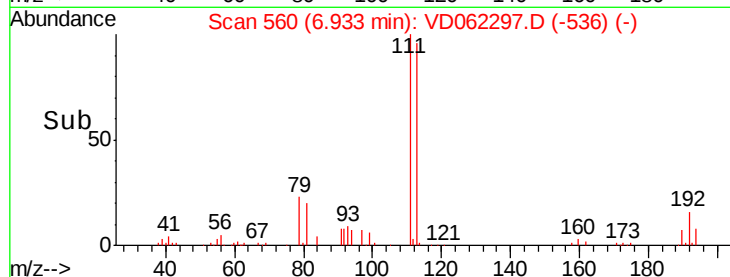
113 100

111 103.7 78.5 117.7

192 16.6 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.768 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

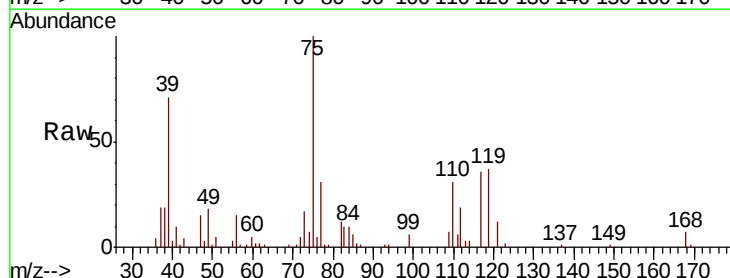
Tgt Ion: 75 Resp: 153012

Ion Ratio Lower Upper

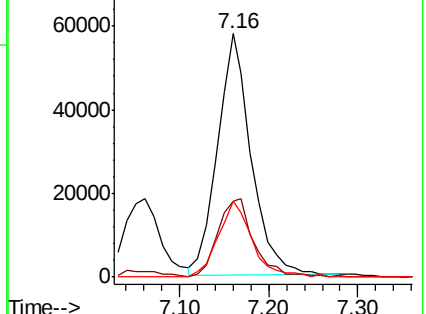
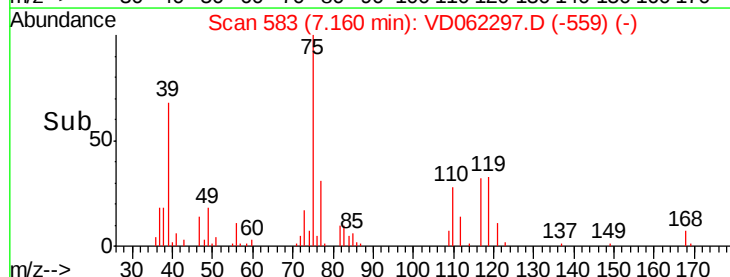
75 100

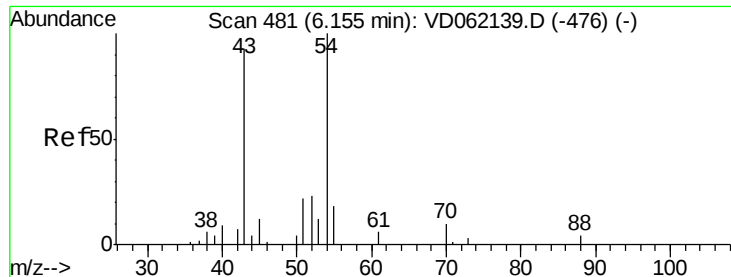
110 31.3 19.1 57.1

77 31.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

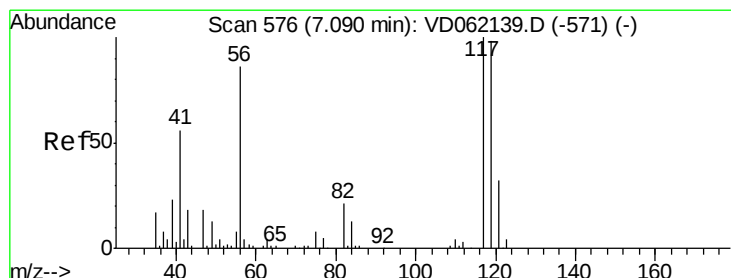
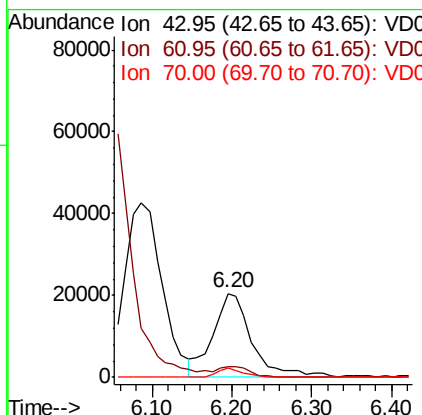
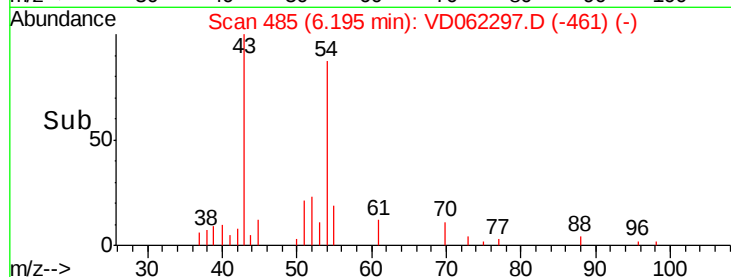
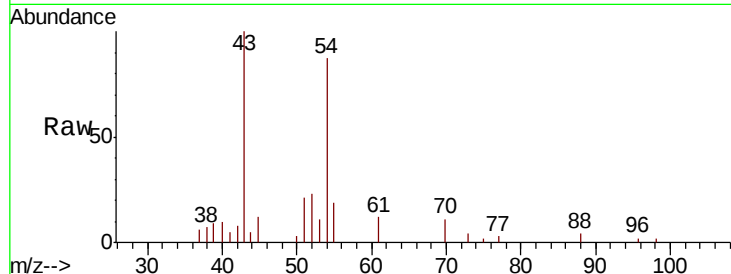




#37
Ethyl Acetate
Concen: 23.552 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

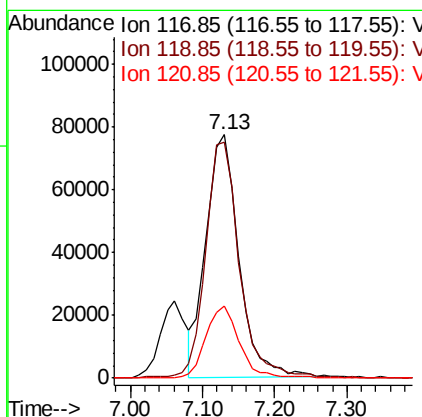
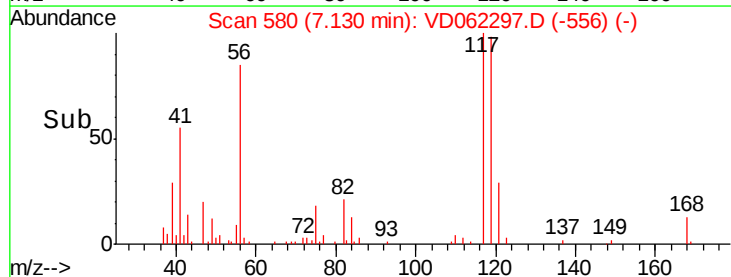
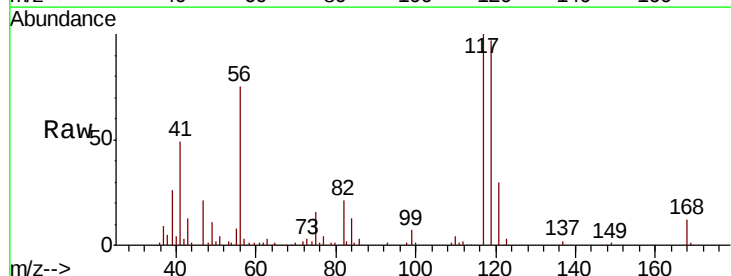
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

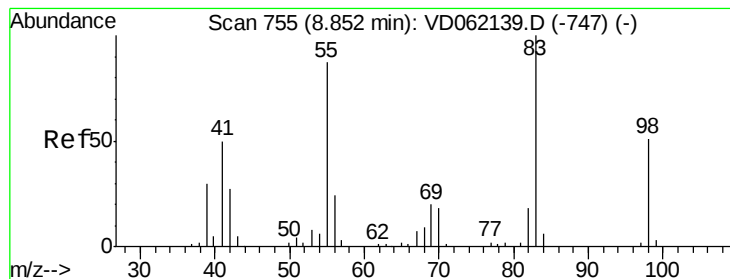
Tot Ion: 43 Resp: 70208
Ion Ratio Lower Upper
43 100
61 12.5 14.7 22.1#
70 10.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 25.106 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion: 117 Resp: 244256
Ion Ratio Lower Upper
117 100
119 96.9 75.8 113.8
121 29.8 25.9 38.9





#39

Methvlcvclohexane

Concen: 19.179 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

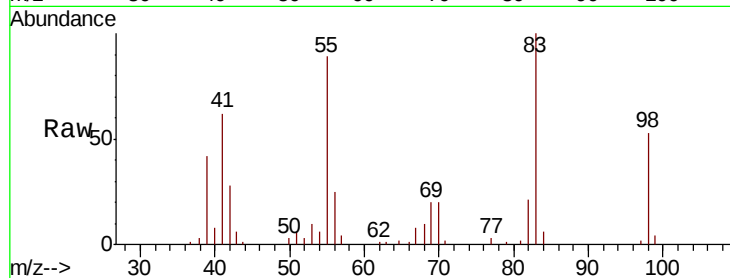
Tot Ion: 83 Resp: 129168

Ion Ratio Lower Upper

83 100

55 89.3 68.2 102.4

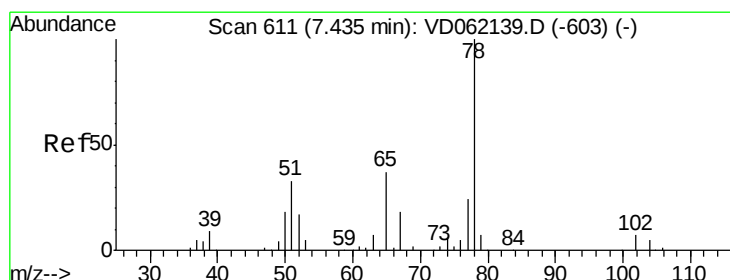
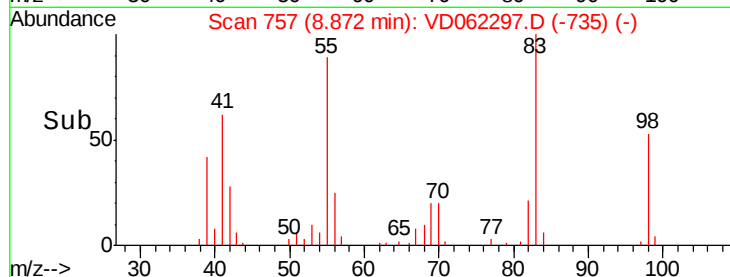
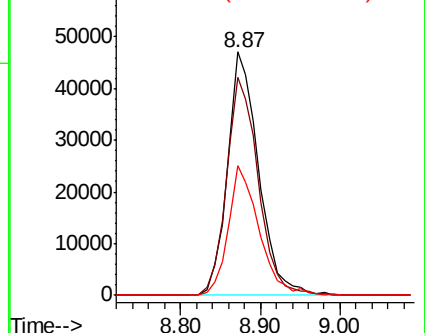
98 53.0 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.150 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD062297.D

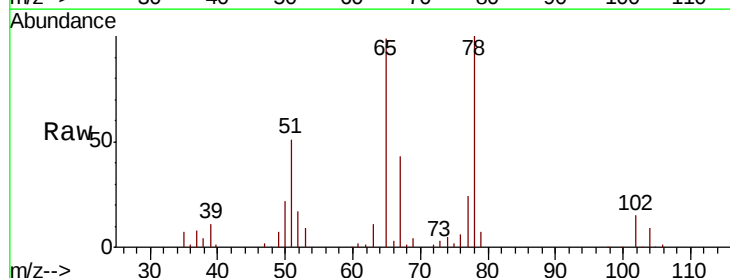
Acq: 13 May 2019 11:38

Tgt Ion: 78 Resp: 319839

Ion Ratio Lower Upper

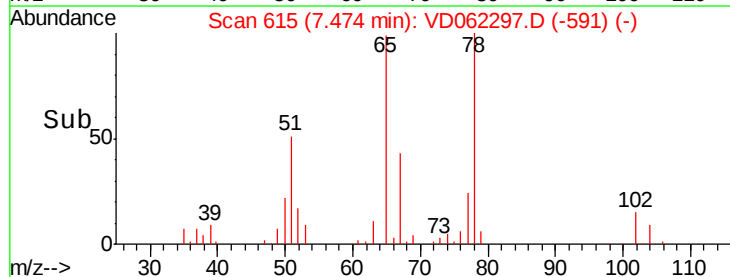
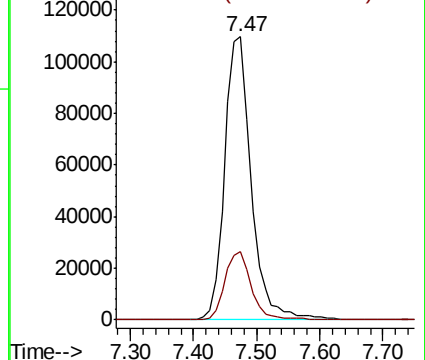
78 100

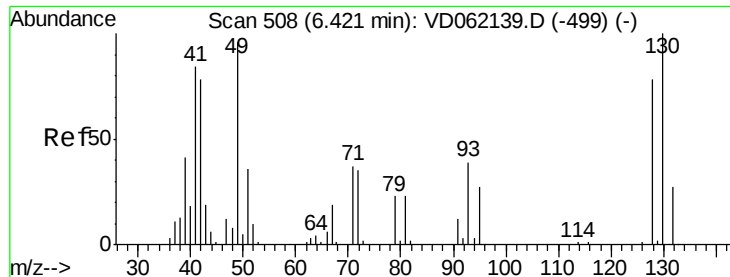
77 24.2 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

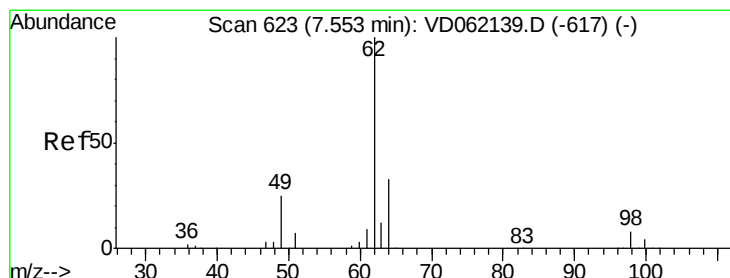
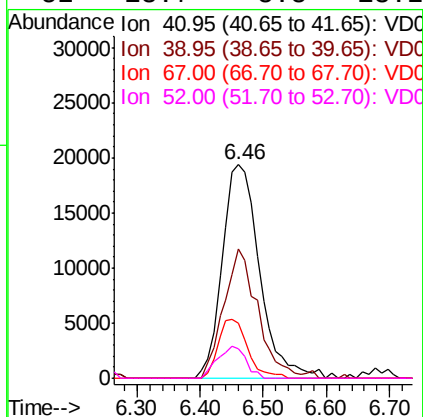
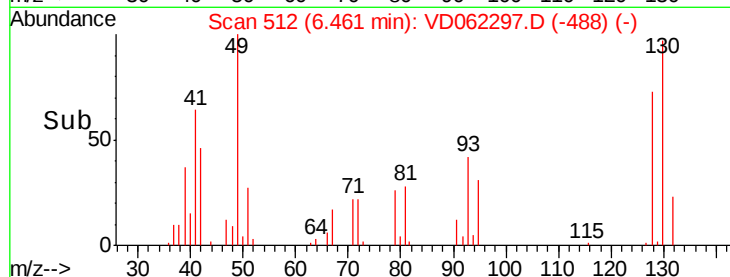
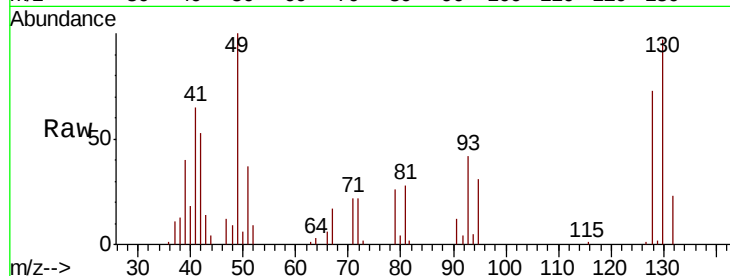




#41
Methacrylonitrile
Concen: 21.858 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

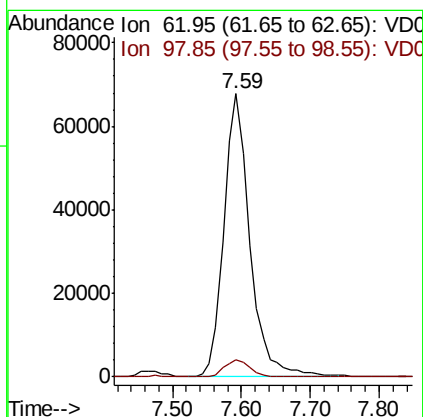
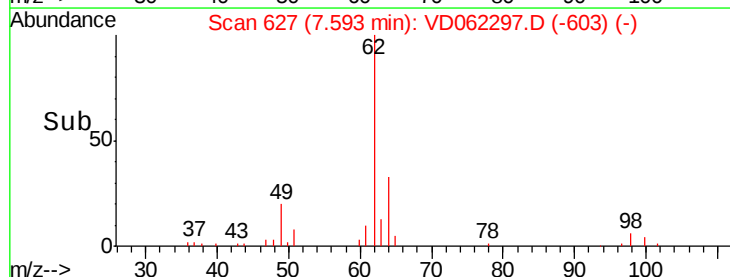
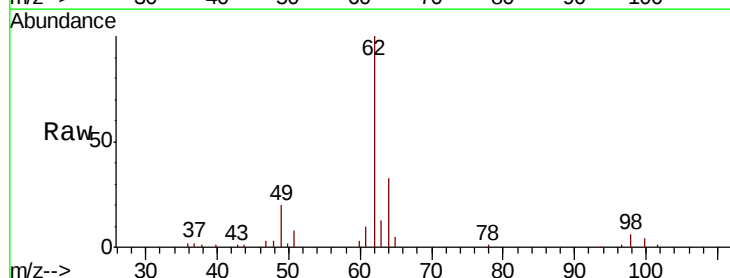
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

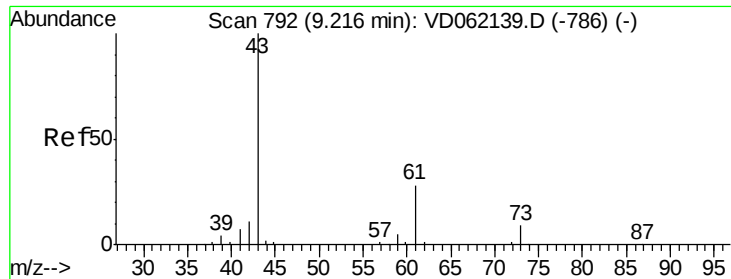
Tot Ion: 41 Resp: 79627
Ion Ratio Lower Upper
41 100
39 60.6 34.1 51.1#
67 25.5 23.8 35.6
52 13.7 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 26.343 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion: 62 Resp: 177157
Ion Ratio Lower Upper
62 100
98 6.1 0.0 17.8





#43

Isopropyl Acetate

Concen: 21.713 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

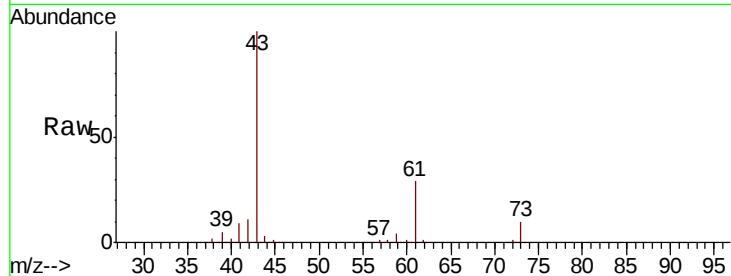
Tot Ion: 43 Resp: 91798

Ion Ratio Lower Upper

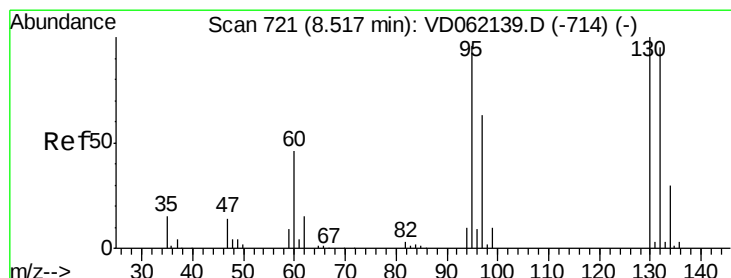
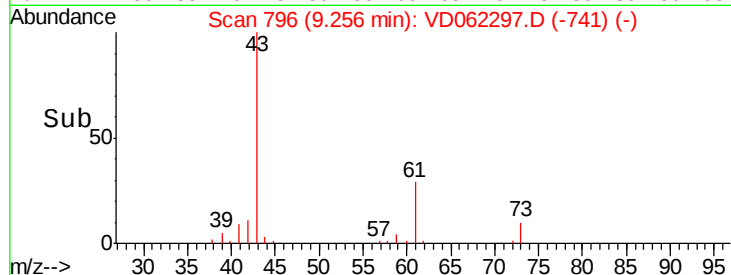
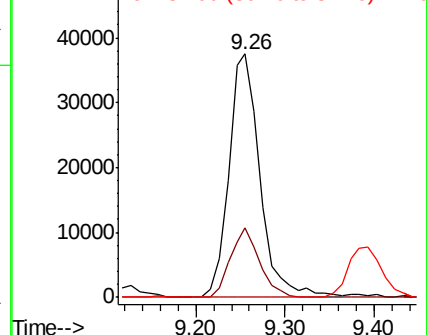
43 100

61 28.5 25.1 37.7

87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.630 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062297.D

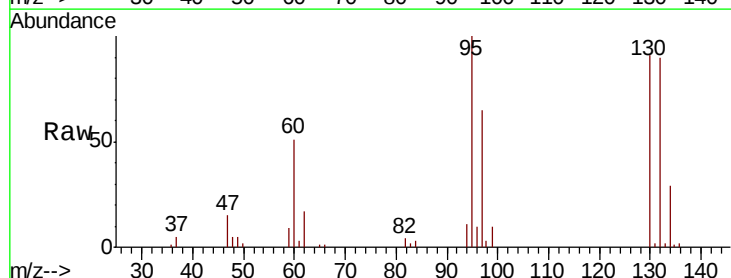
Acq: 13 May 2019 11:38

Tgt Ion:130 Resp: 118732

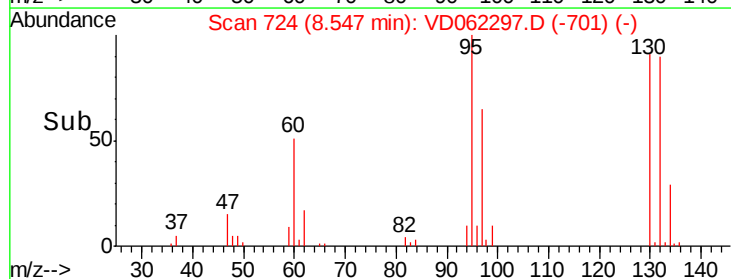
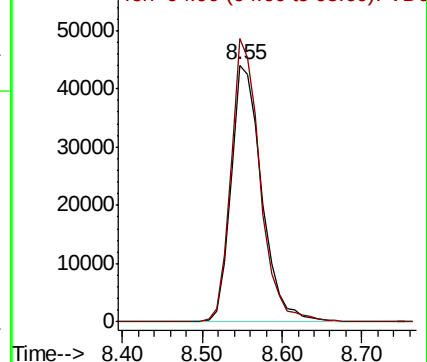
Ion Ratio Lower Upper

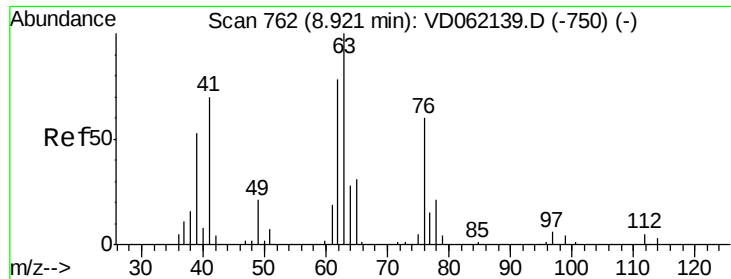
130 100

95 110.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.014 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

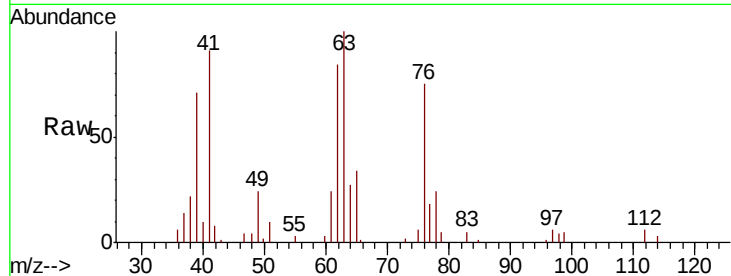
VD0513SBS01

Tot Ion: 63 Resp: 78578

Ion Ratio Lower Upper

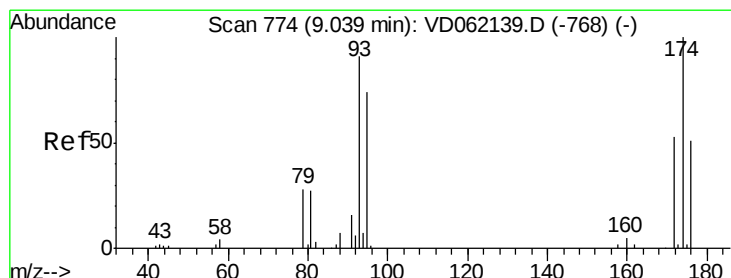
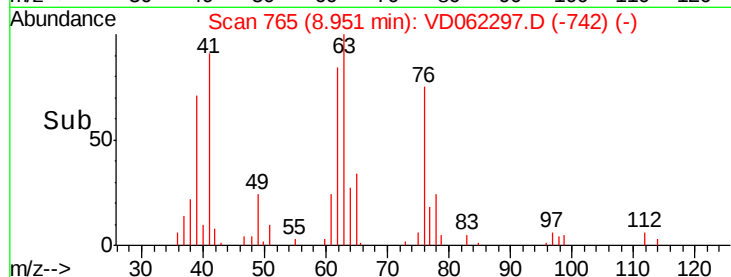
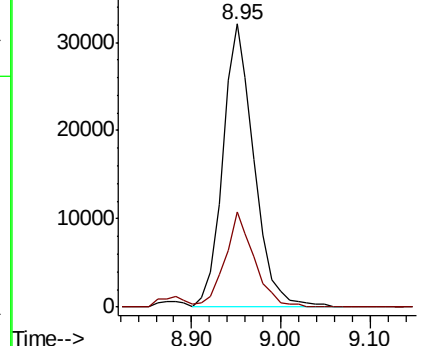
63 100

65 33.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.691 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

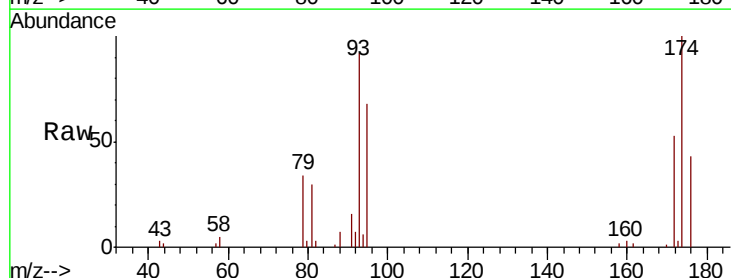
Tgt Ion: 93 Resp: 72444

Ion Ratio Lower Upper

93 100

95 74.3 64.8 97.2

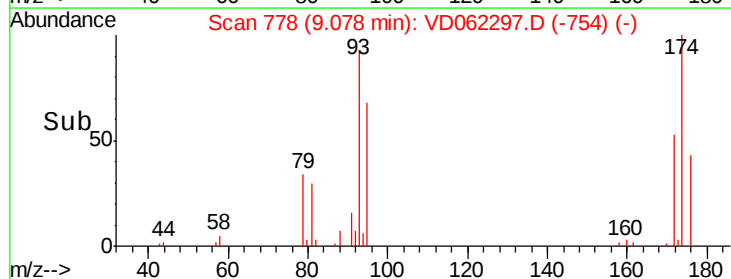
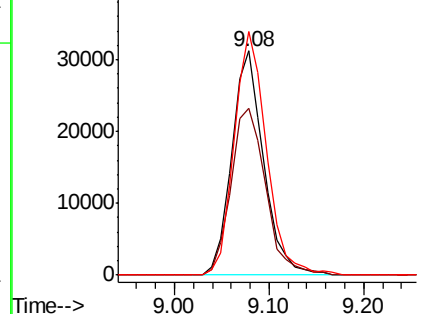
174 108.6 79.3 118.9

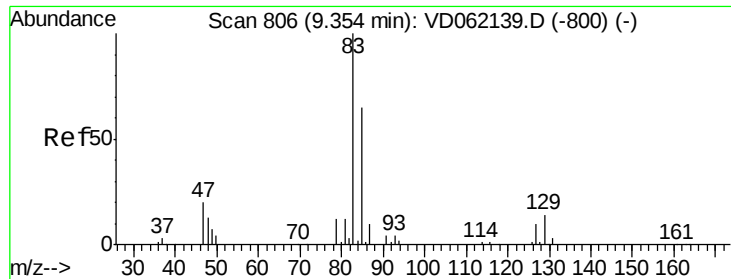


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 24.708 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

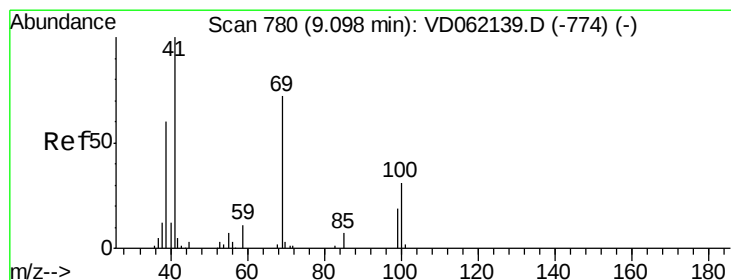
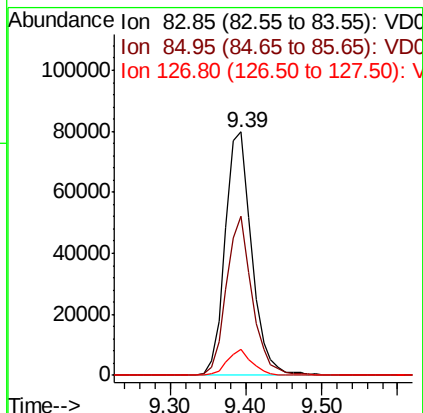
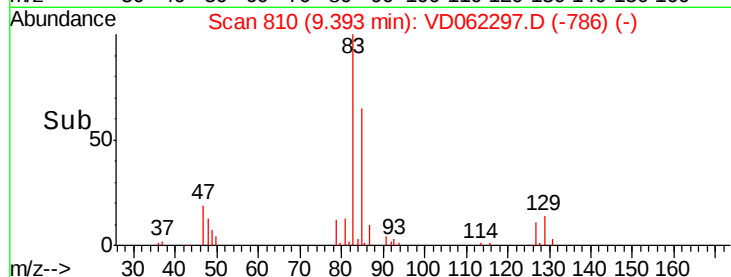
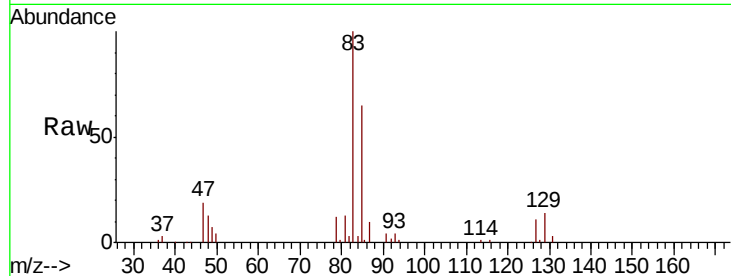
Tot Ion: 83 Resp: 192955

Ion Ratio Lower Upper

83 100

85 66.1 50.9 76.3

127 10.6 8.1 12.1



#48

Methyl methacrylate

Concen: 23.813 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

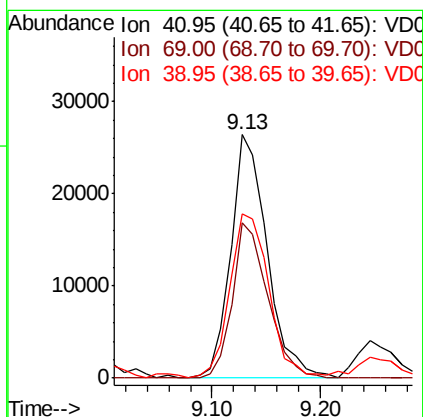
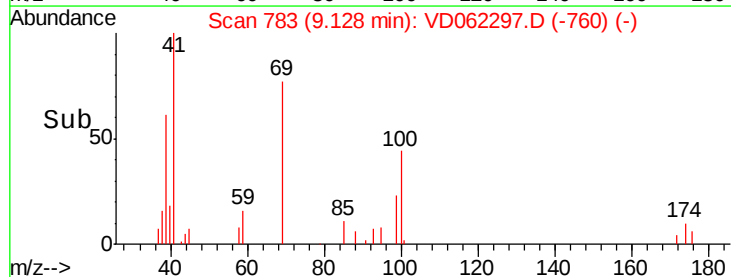
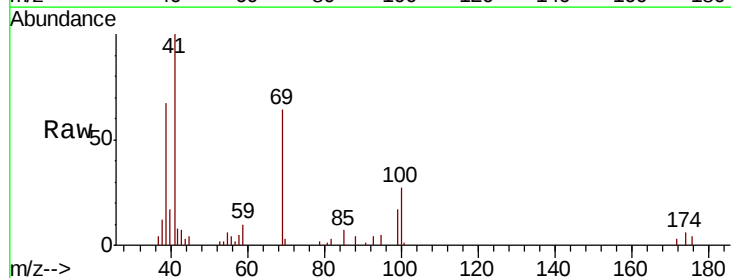
Tgt Ion: 41 Resp: 62012

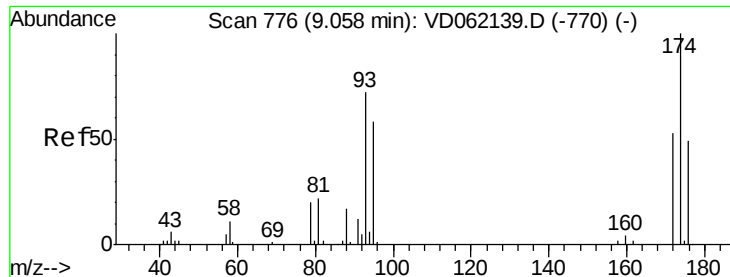
Ion Ratio Lower Upper

41 100

69 63.9 64.2 96.2#

39 67.3 46.8 70.2





#49

1,4-Dioxane

Concen: 380.540 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.04 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

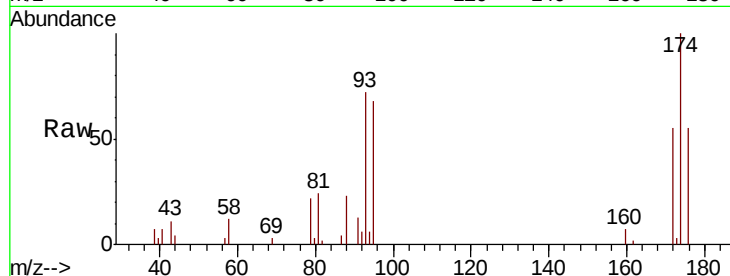
Tot Ion: 88 Resp: 10692

Ion Ratio Lower Upper

88 100

43 46.2 23.4 35.0#

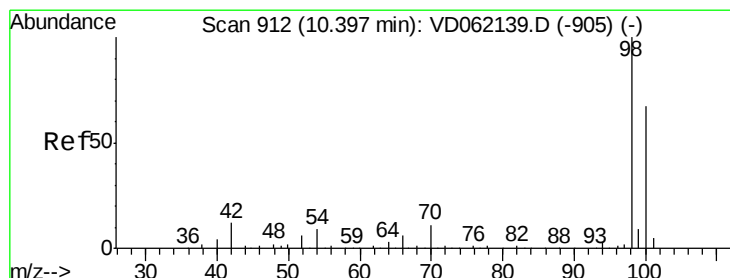
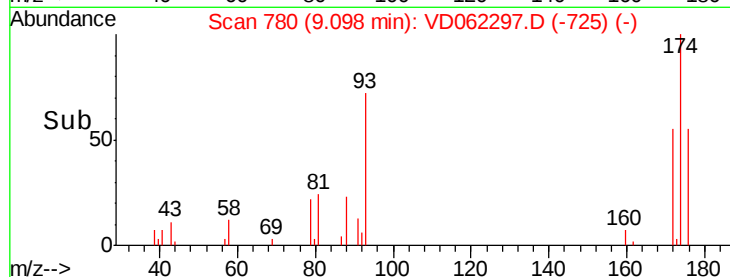
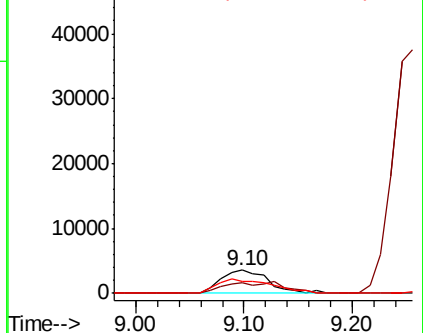
58 52.9 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 47.423 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062297.D

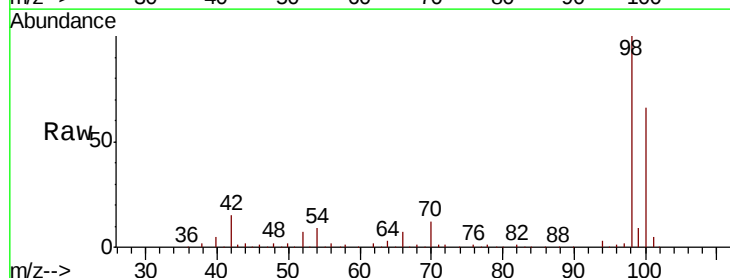
Acq: 13 May 2019 11:38

Tgt Ion: 98 Resp: 813334

Ion Ratio Lower Upper

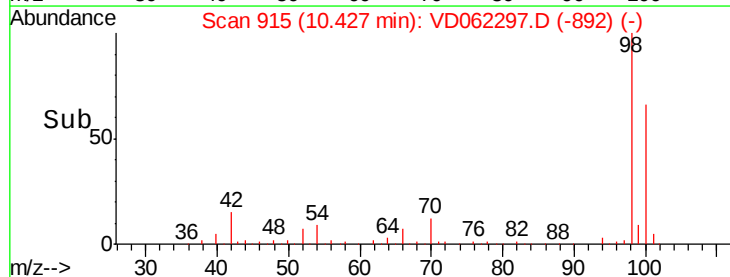
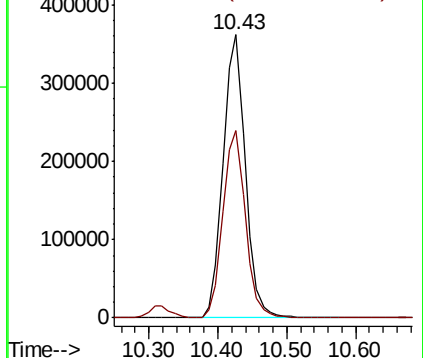
98 100

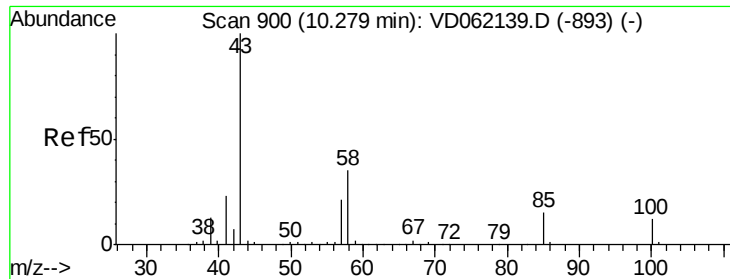
100 66.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 111.343 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

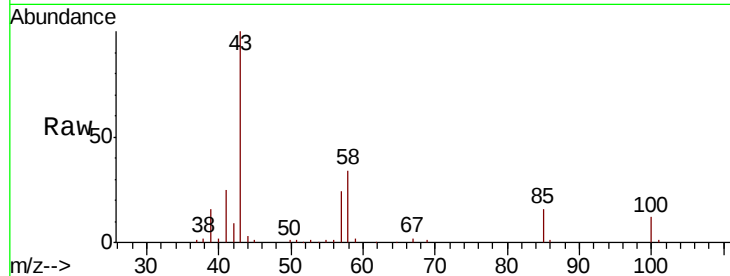
VD0513SBS01

Tot Ion: 43 Resp: 302586

Ion Ratio Lower Upper

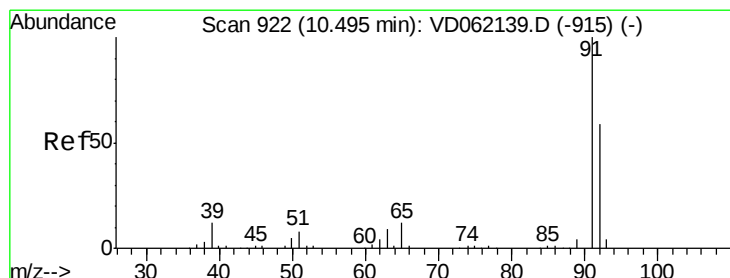
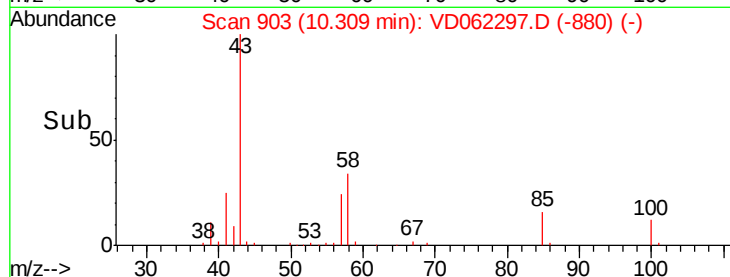
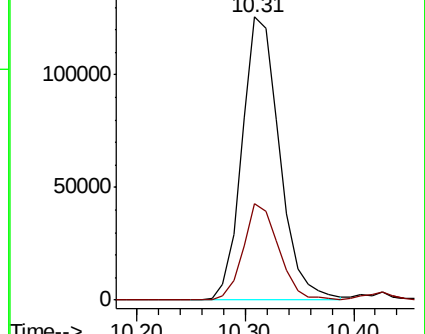
43 100

58 34.2 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.611 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062297.D

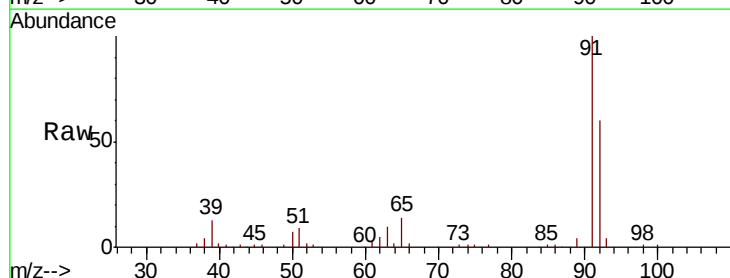
Acq: 13 May 2019 11:38

Tgt Ion: 92 Resp: 223187

Ion Ratio Lower Upper

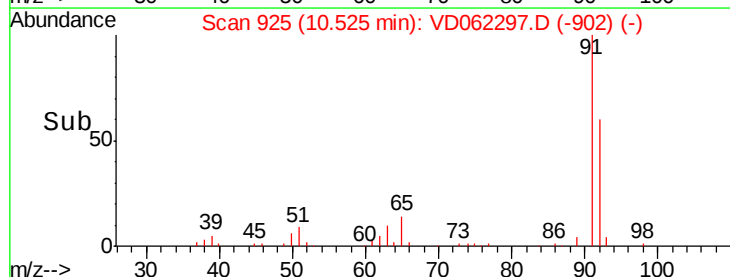
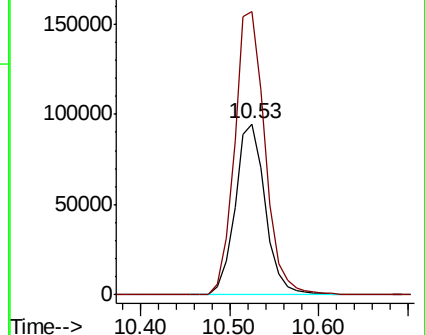
92 100

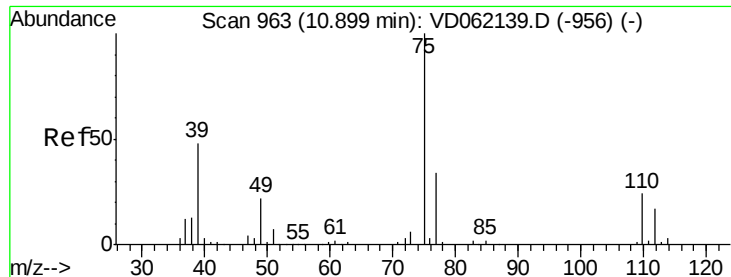
91 165.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

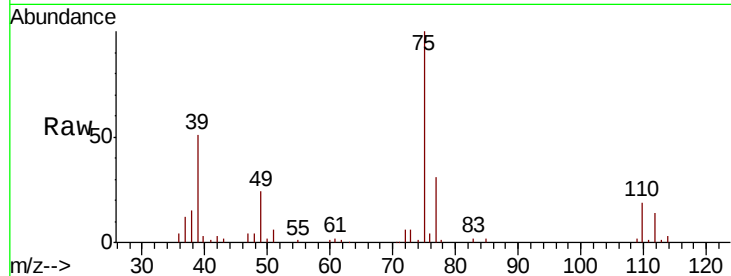




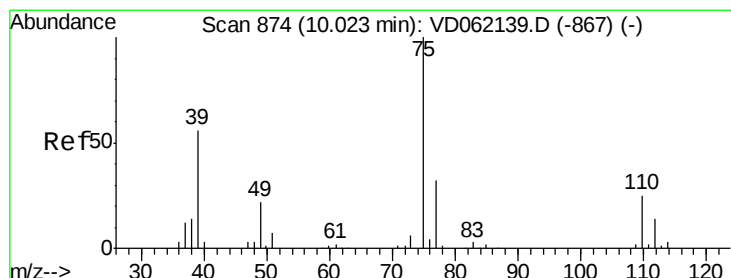
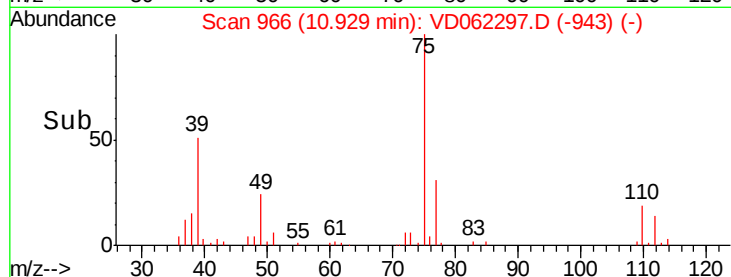
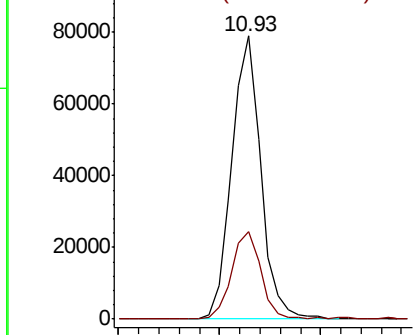
#53
 t-1,3-Dichloropropene
 Concen: 23.375 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Tot Ion: 75 Resp: 157770
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.8 38.8

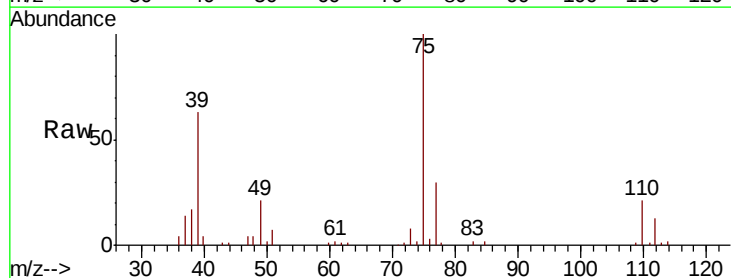


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

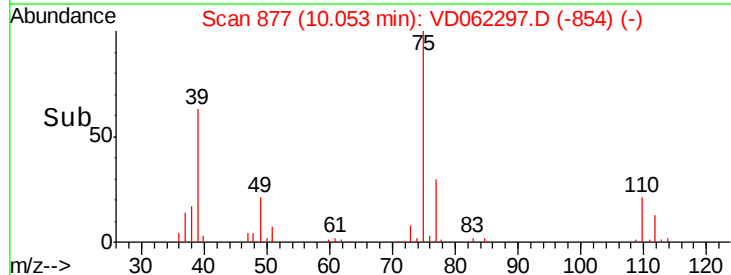
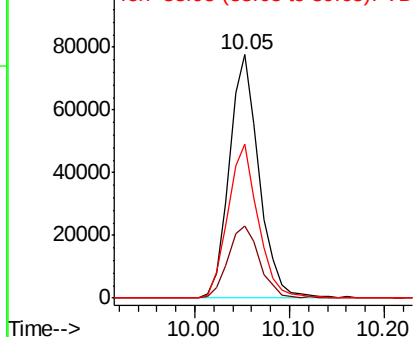


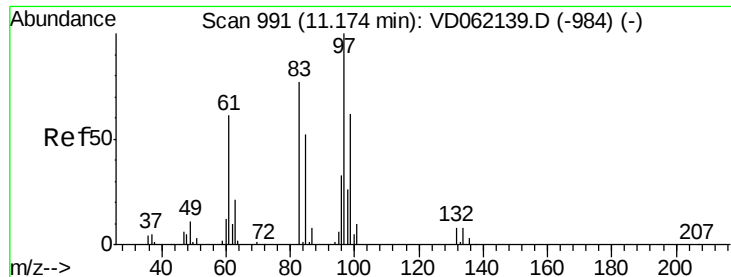
#54
 cis-1,3-Dichloropropene
 Concen: 22.818 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Tgt Ion: 75 Resp: 168017
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.5 38.3
 39 63.3 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC

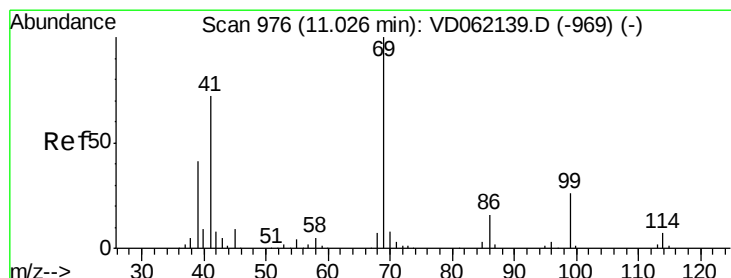
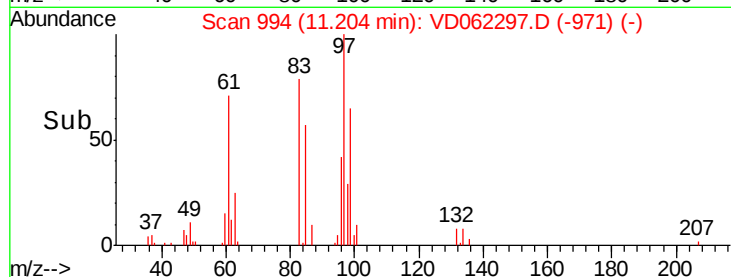
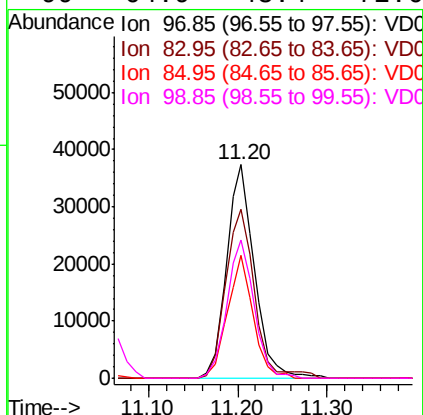
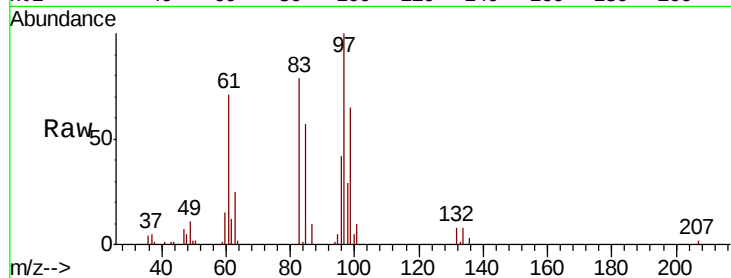




#55
 1,1,2-Trichloroethane
 Concen: 22.409 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

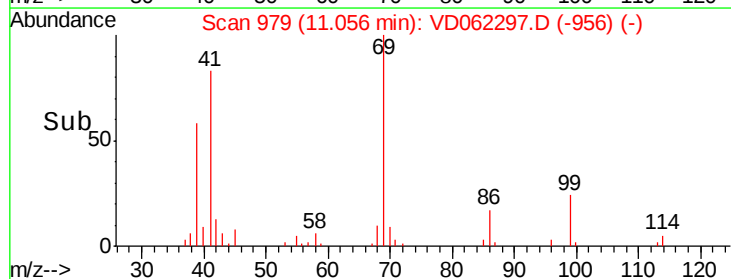
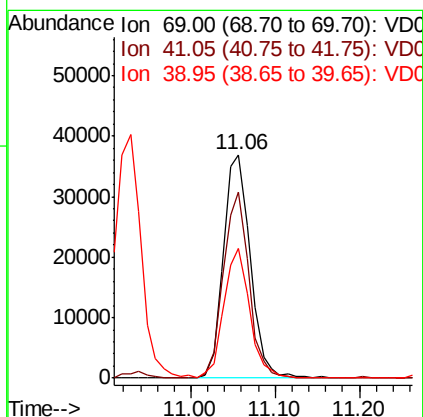
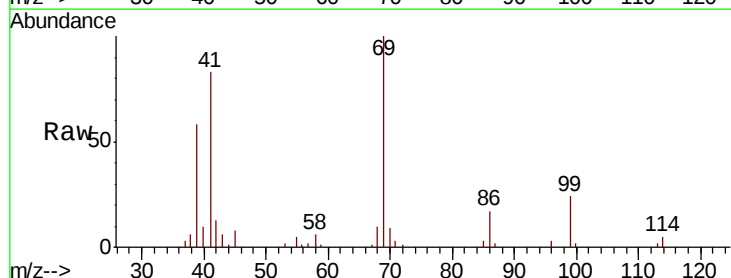
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

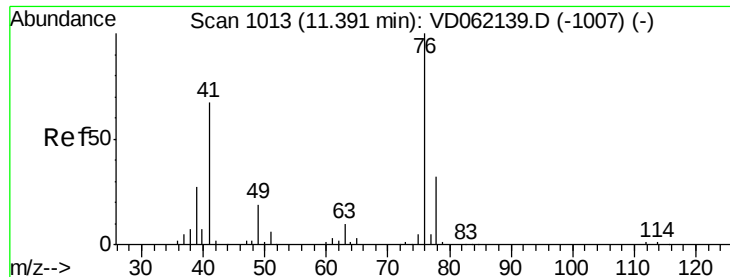
Tot Ion:	97	Resp:	81883
Ion	Ratio	Lower	Upper
97	100		
83	79.2	65.7	98.5
85	57.3	45.6	68.4
99	64.9	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 21.478 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Tgt Ion:	69	Resp:	81555
Ion	Ratio	Lower	Upper
69	100		
41	83.3	56.3	84.5
39	58.0	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 20.717 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

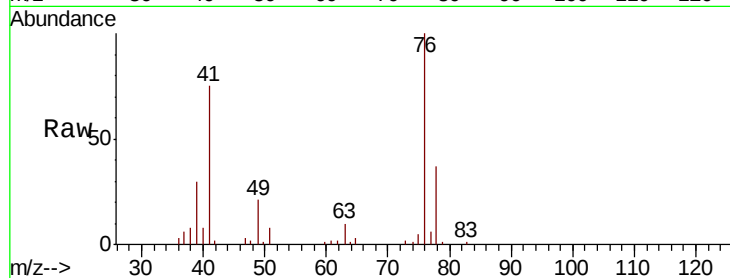
VD0513SBS01

Tot Ion: 76 Resp: 114367

Ion Ratio Lower Upper

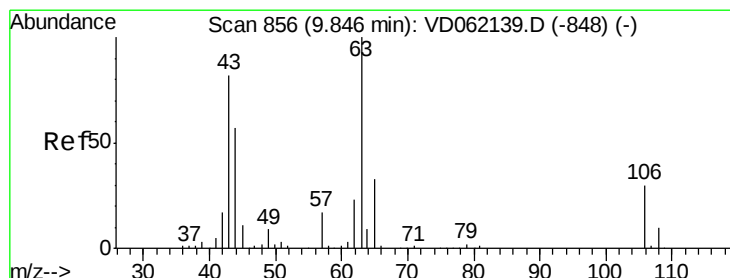
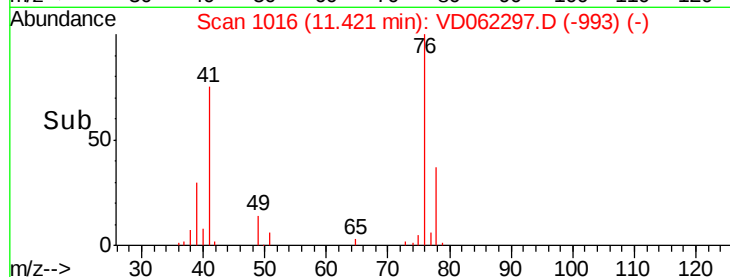
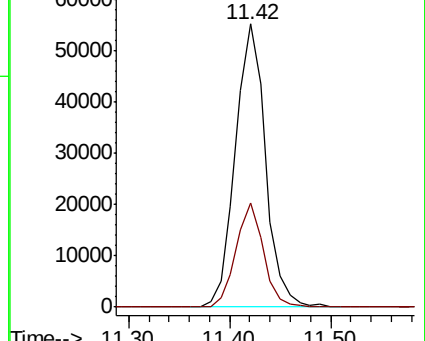
76 100

78 36.7 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 114.624 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062297.D

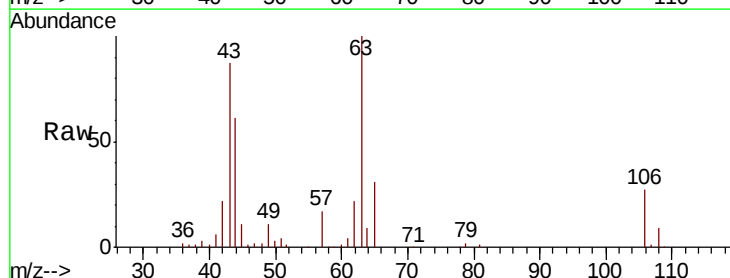
Acq: 13 May 2019 11:38

Tgt Ion: 63 Resp: 237745

Ion Ratio Lower Upper

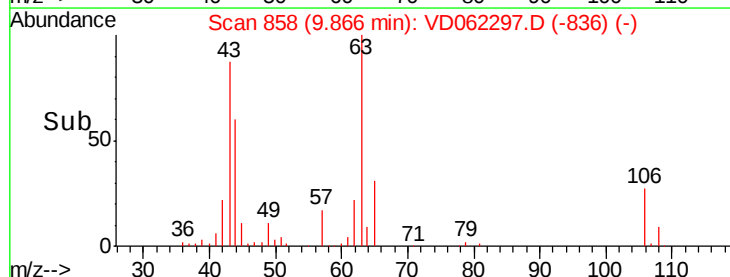
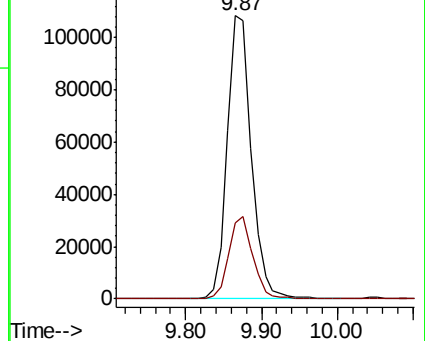
63 100

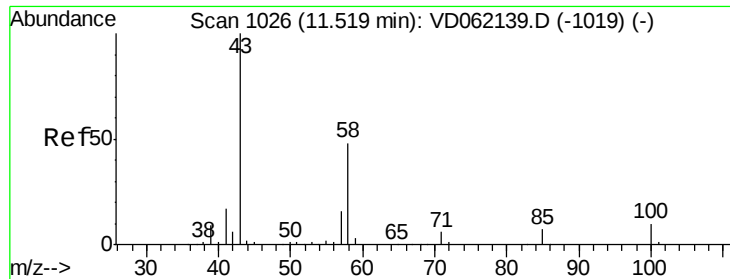
106 27.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

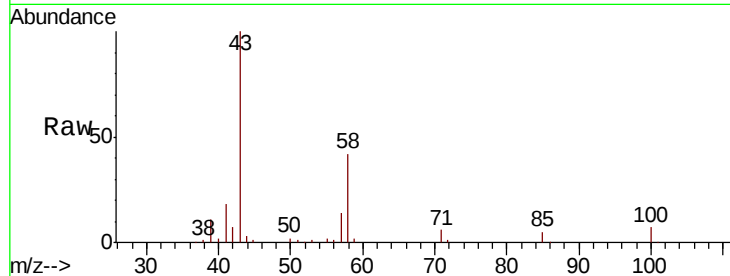




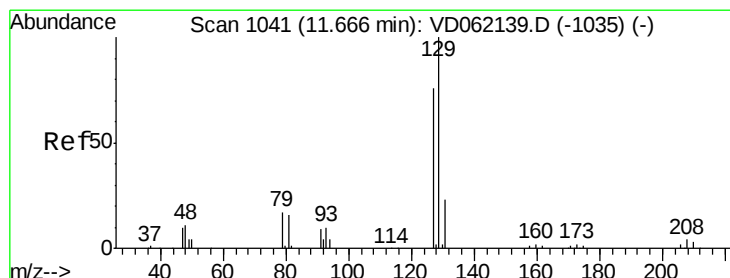
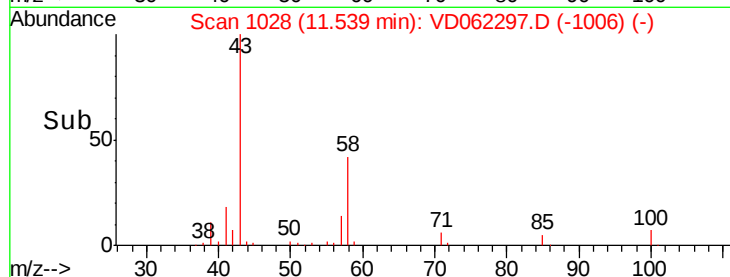
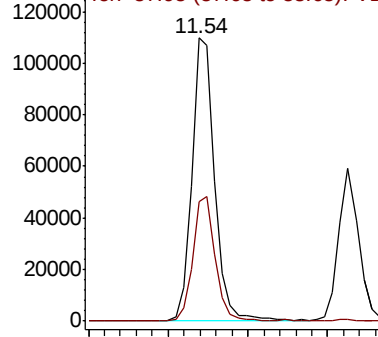
#59
2-Hexanone
Concen: 110.326 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

Tot Ion: 43 Resp: 220980
Ion Ratio Lower Upper
43 100
58 42.3 25.4 76.4

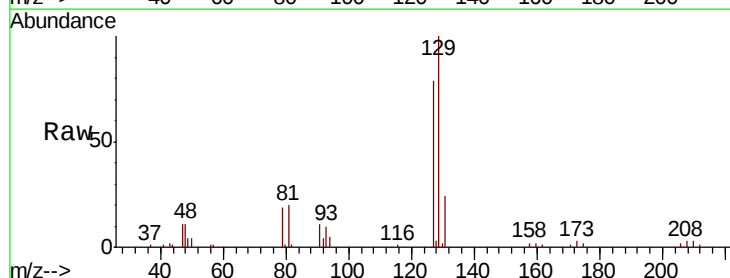


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

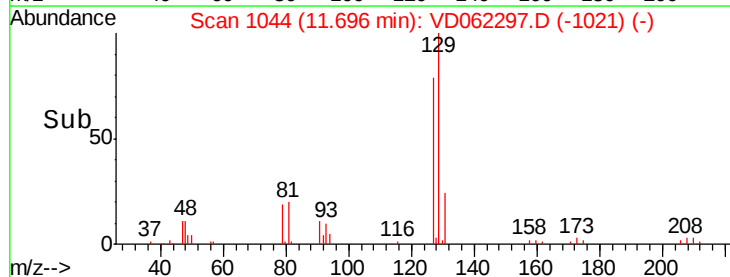
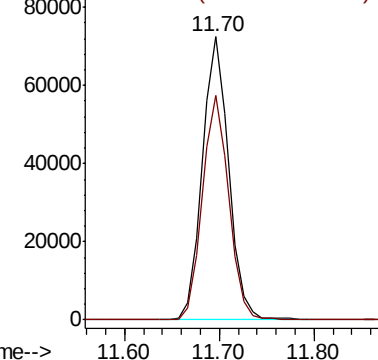


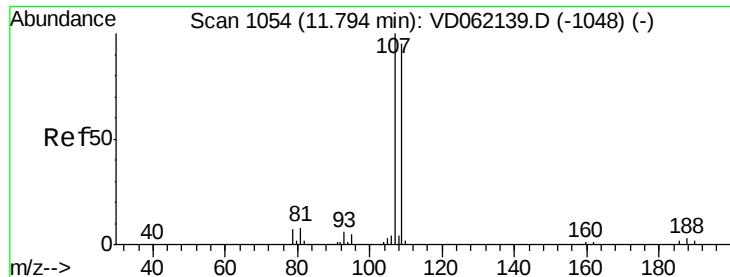
#60
Dibromochloromethane
Concen: 22.094 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion: 129 Resp: 139523
Ion Ratio Lower Upper
129 100
127 79.2 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.708 ug/l

RT: 11.81 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

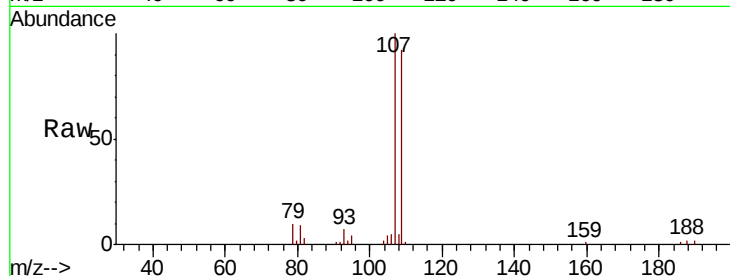
VD0513SBS01

Tot Ion:107 Resp: 96438

Ion Ratio Lower Upper

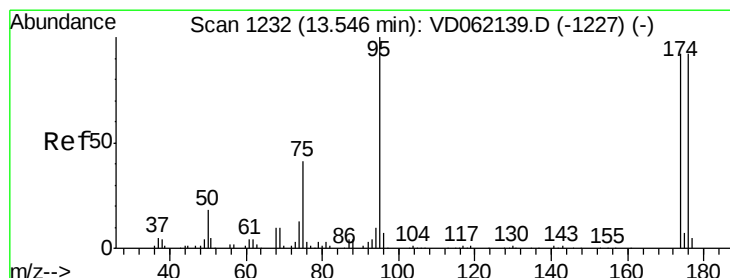
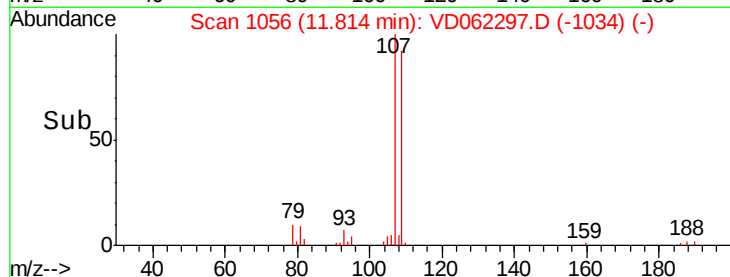
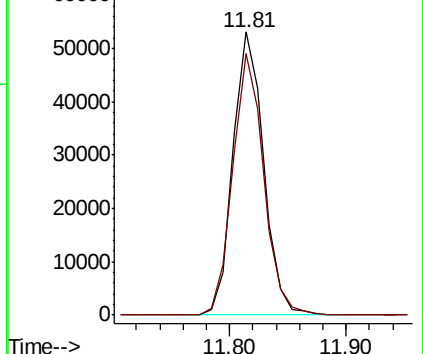
107 100

109 92.2 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.443 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

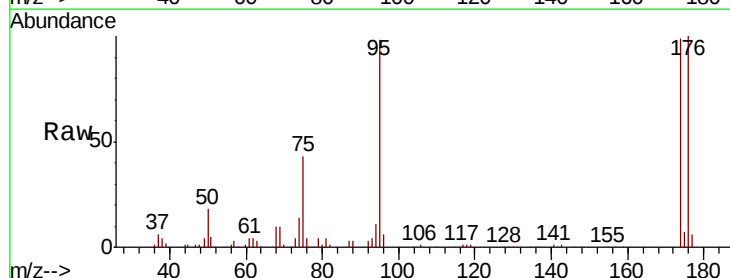
Tgt Ion: 95 Resp: 354288

Ion Ratio Lower Upper

95 100

174 100.5 0.0 181.8

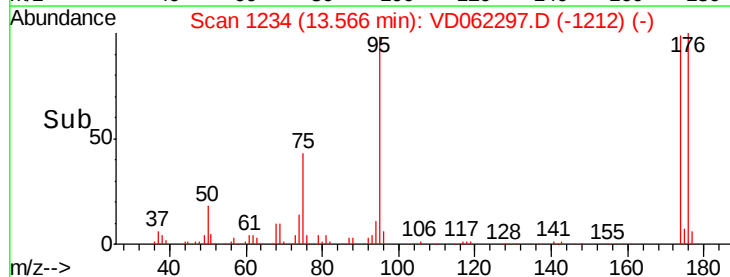
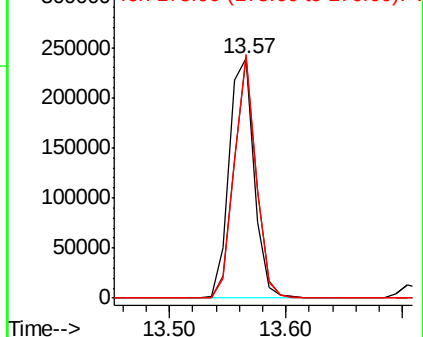
176 101.6 0.0 174.4

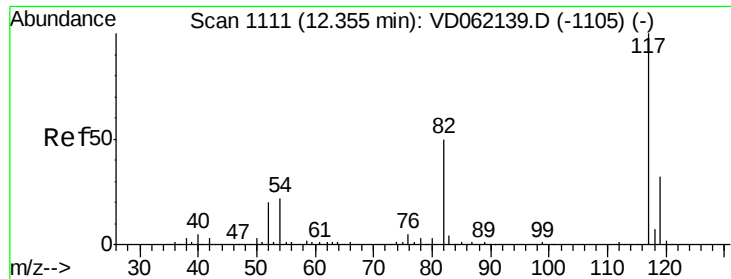


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

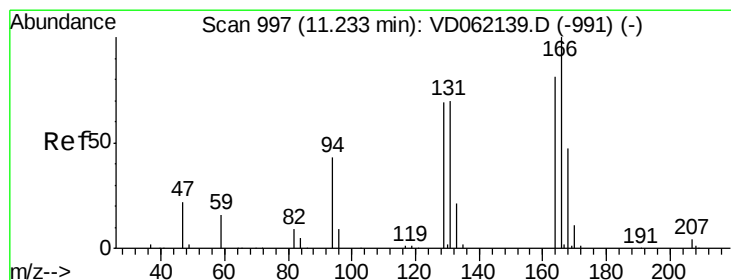
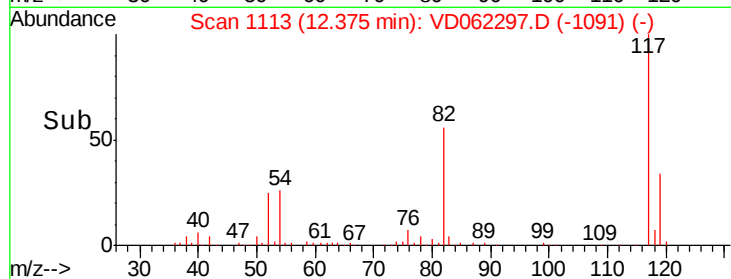
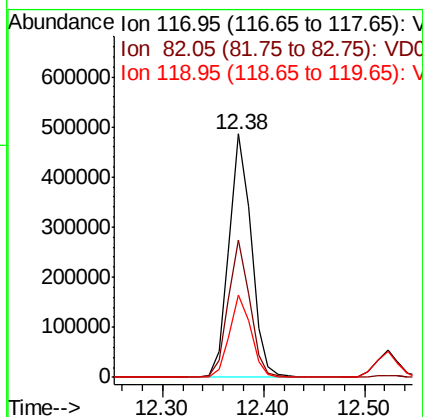
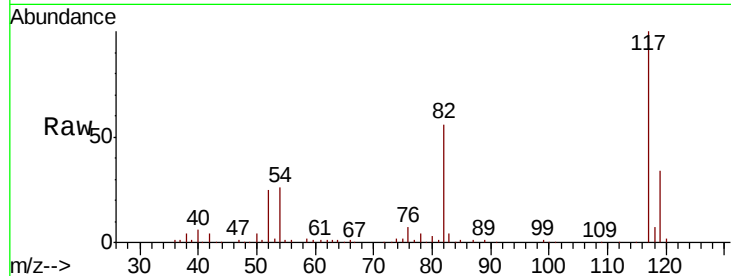




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

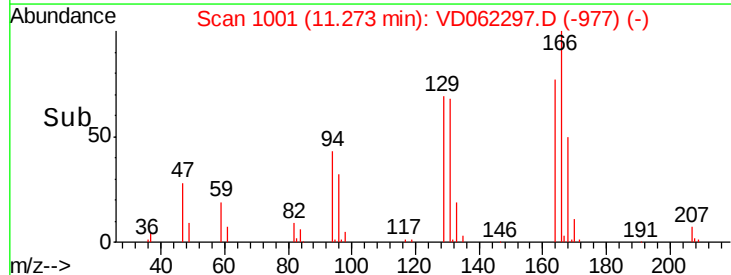
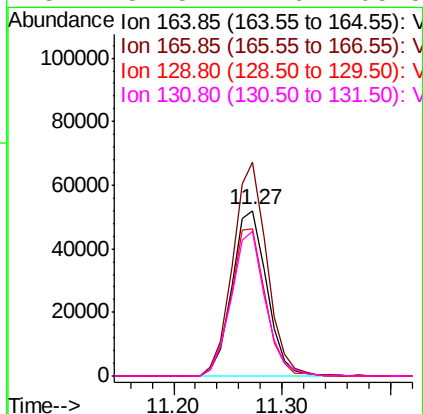
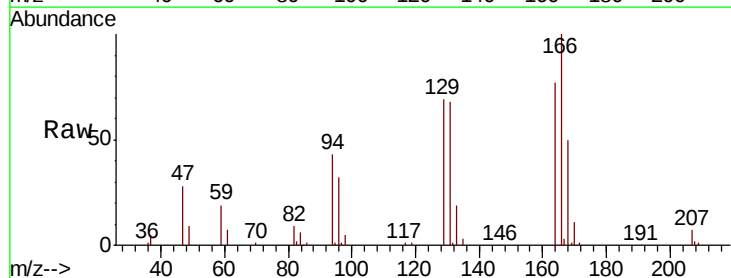
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

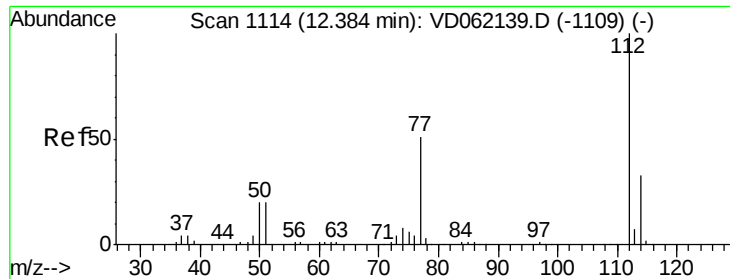
Tot Ion:117 Resp: 747066
Ion Ratio Lower Upper
117 100
82 56.5 36.2 54.2#
119 33.9 26.2 39.4



#64
Tetrachloroethene
Concen: 19.829 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion:164 Resp: 115835
Ion Ratio Lower Upper
164 100
166 129.3 101.5 152.3
129 88.9 74.6 112.0
131 87.8 72.6 108.8

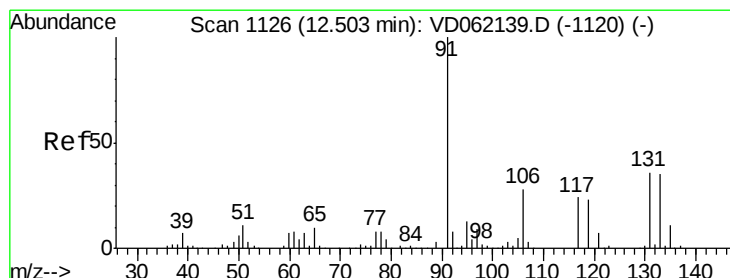
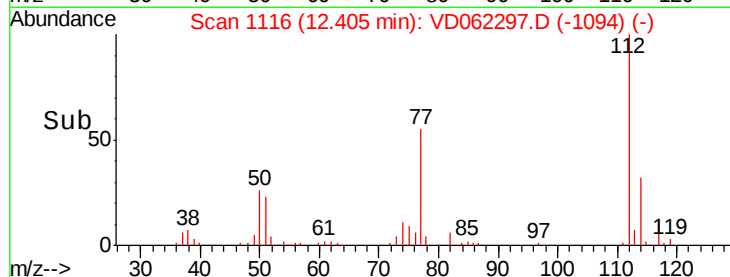
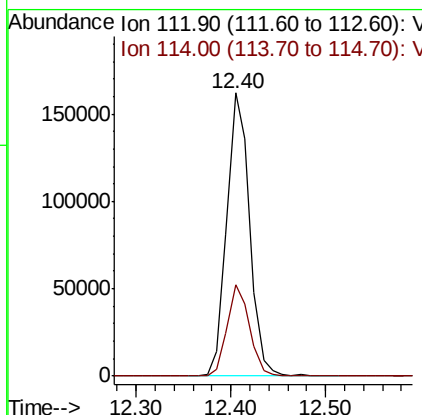
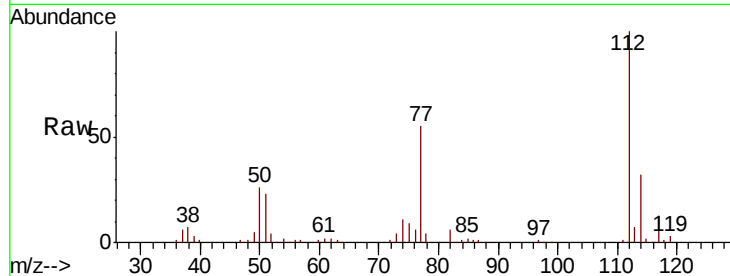




#65
Chlorobenzene
Concen: 19.397 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

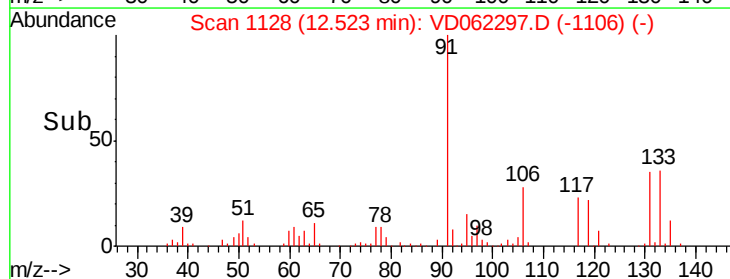
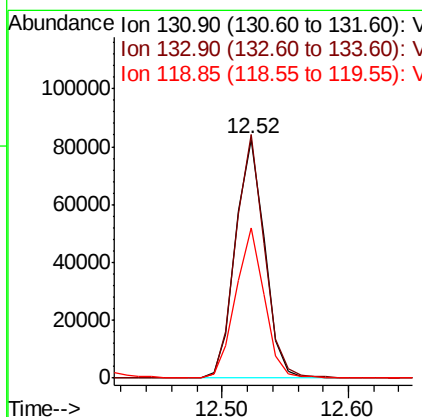
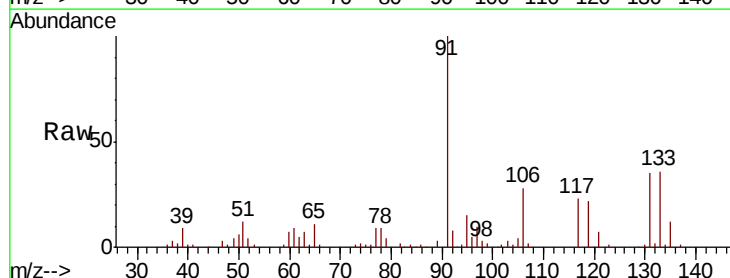
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

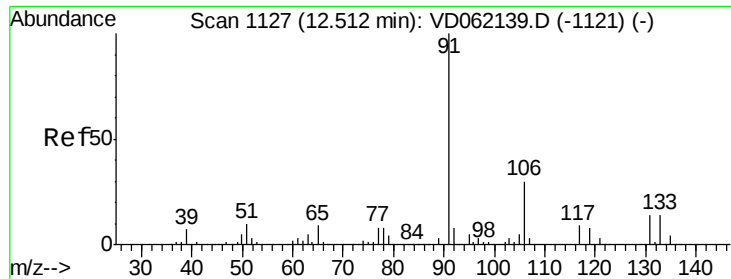
Tot Ion:112 Resp: 269890
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.817 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion:131 Resp: 132118
Ion Ratio Lower Upper
131 100
133 102.1 48.6 145.8
119 62.7 34.7 104.1

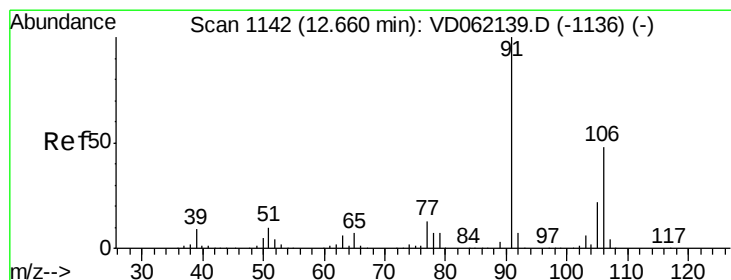
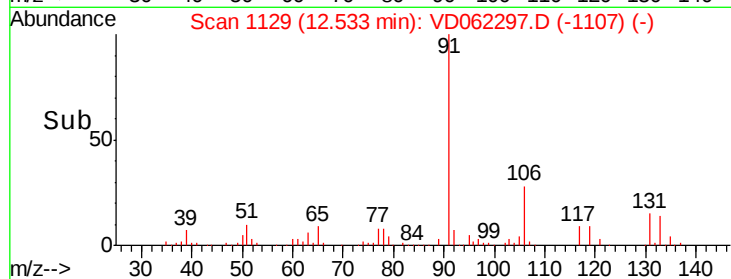
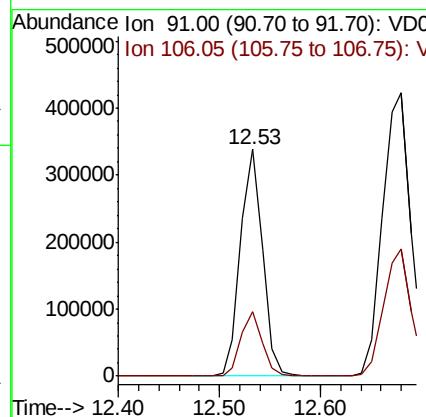
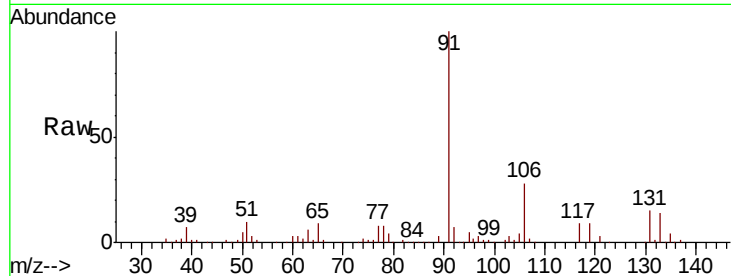




#67
Ethyl Benzene
Concen: 22.196 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

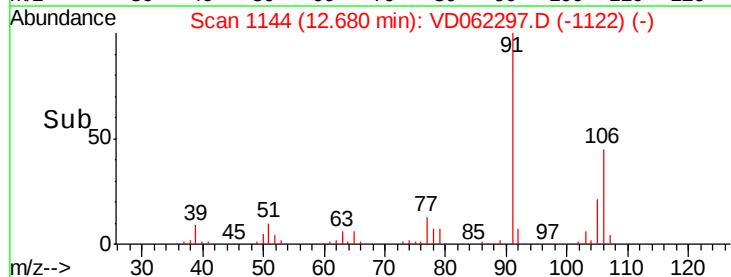
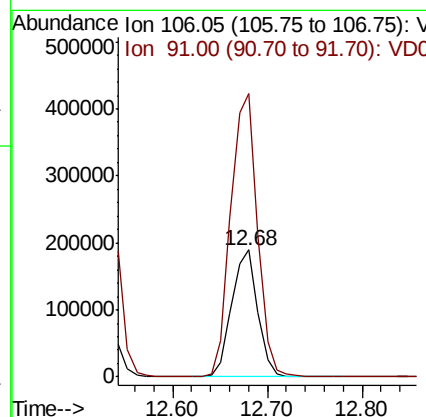
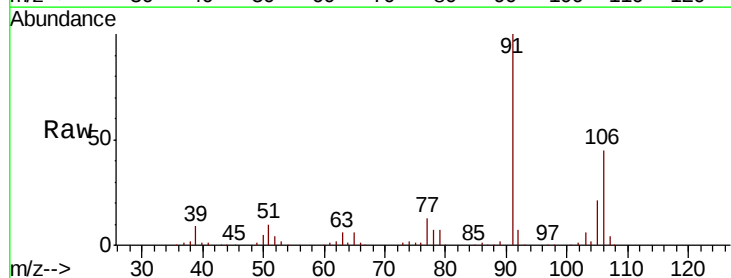
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

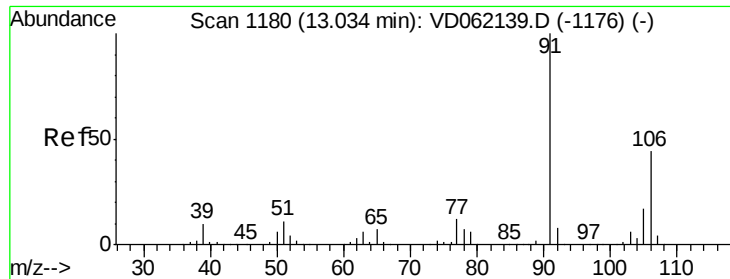
Tot Ion: 91 Resp: 517057
Ion Ratio Lower Upper
91 100
106 28.2 24.7 37.1



#68
m/p-Xylenes
Concen: 42.191 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion: 106 Resp: 357574
Ion Ratio Lower Upper
106 100
91 222.6 164.0 246.0

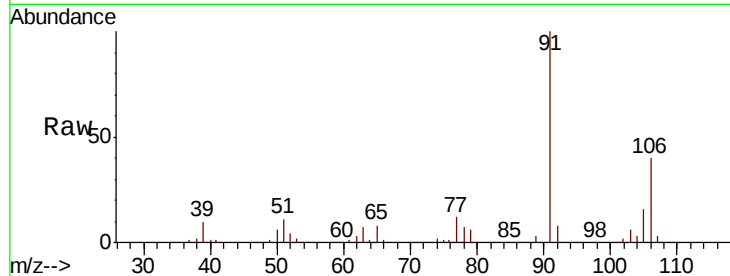




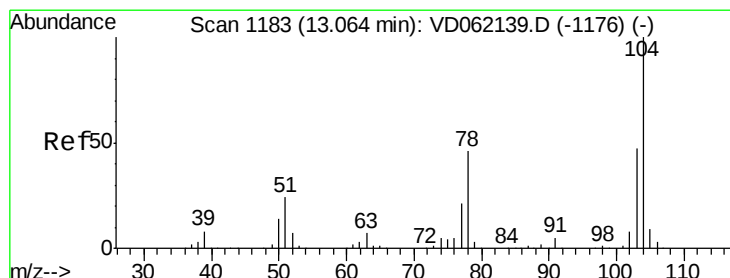
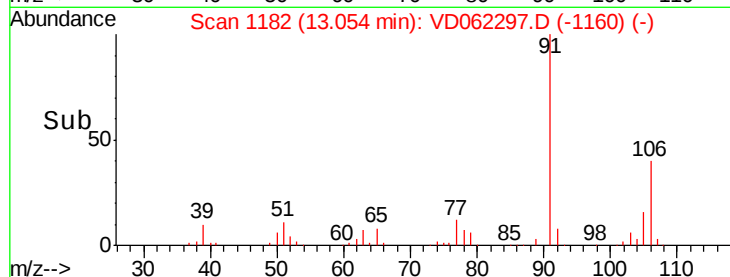
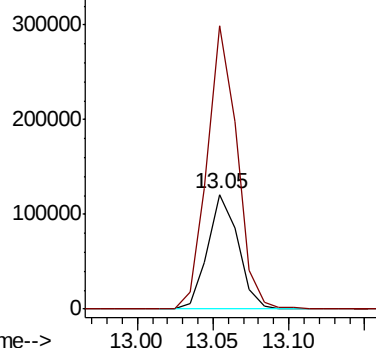
#69
o-Xylene
Concen: 21.516 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

Tot Ion:106 Resp: 169527
Ion Ratio Lower Upper
106 100
91 247.3 106.7 319.9

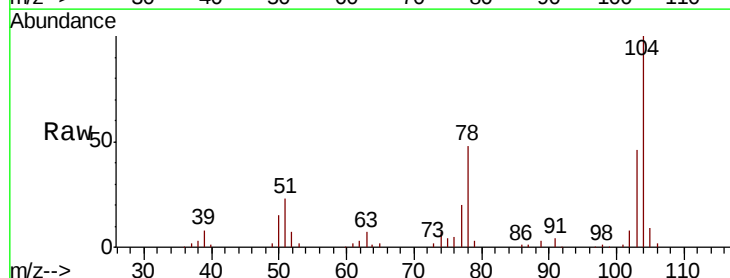


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

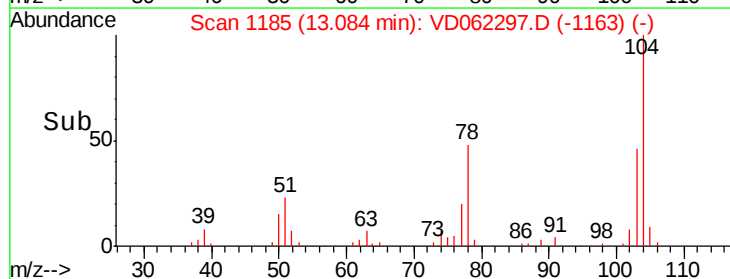
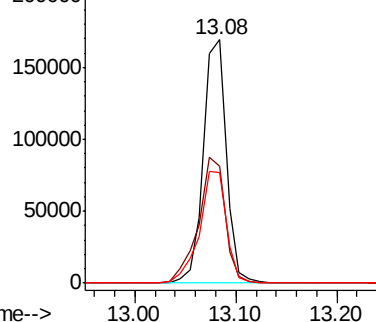


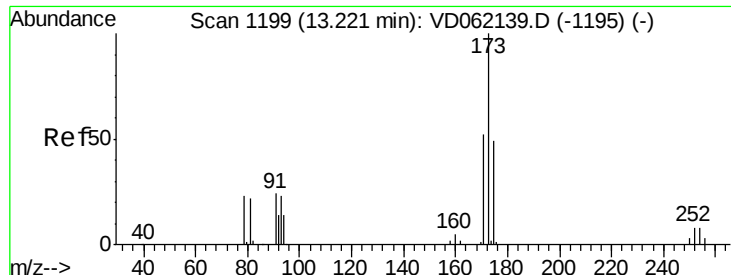
#70
Styrene
Concen: 19.936 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion:104 Resp: 266103
Ion Ratio Lower Upper
104 100
78 47.8 35.4 53.2
103 45.6 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 22.211 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

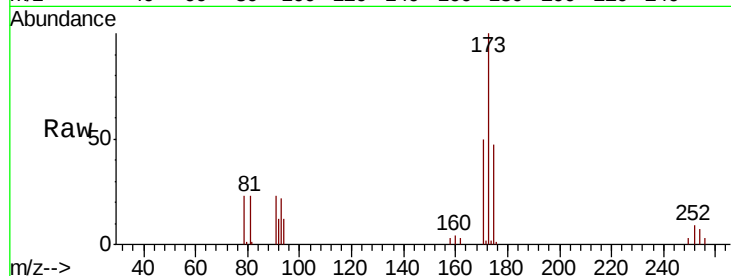
Tot Ion:173 Resp: 93578

Ion Ratio Lower Upper

173 100

175 47.2 24.4 73.4

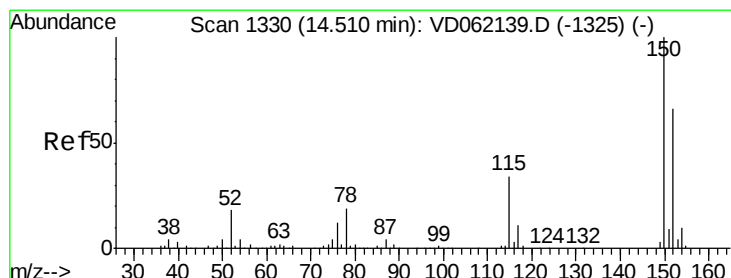
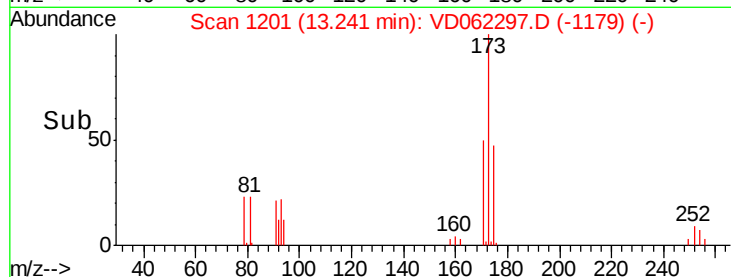
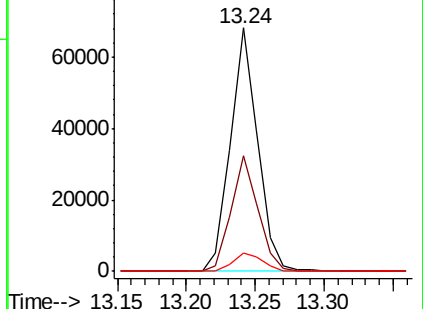
254 7.3 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

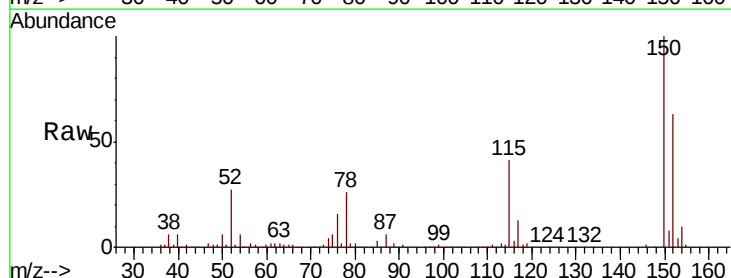
Tgt Ion:152 Resp: 405110

Ion Ratio Lower Upper

152 100

115 63.9 30.9 92.7

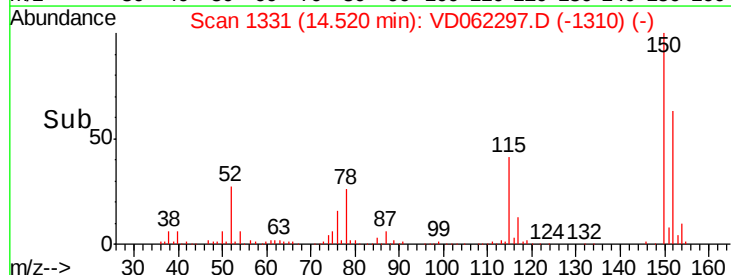
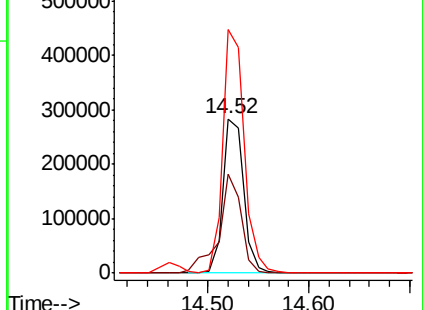
150 157.6 0.0 314.8

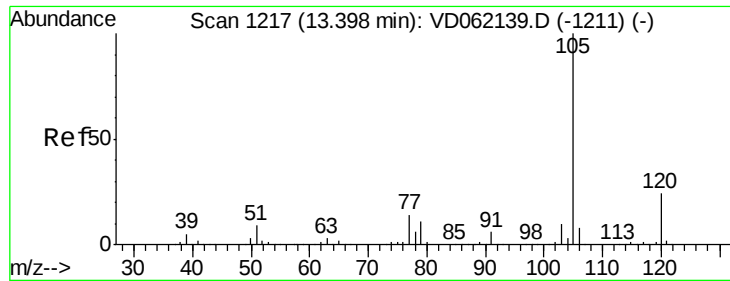


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.207 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

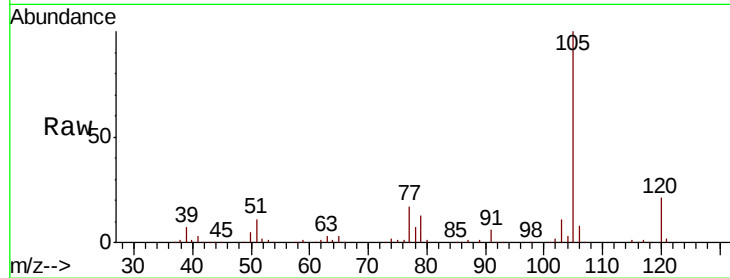
VD0513SBS01

Tot Ion:105 Resp: 514976

Ion Ratio Lower Upper

105 100

120 21.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

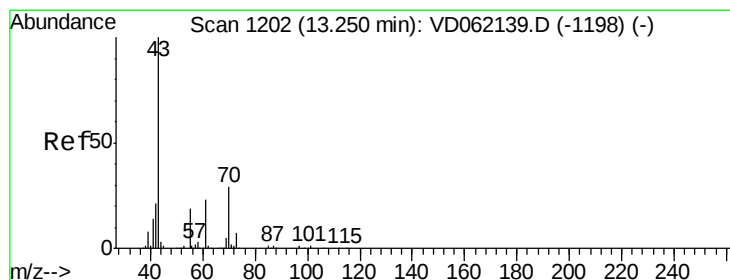
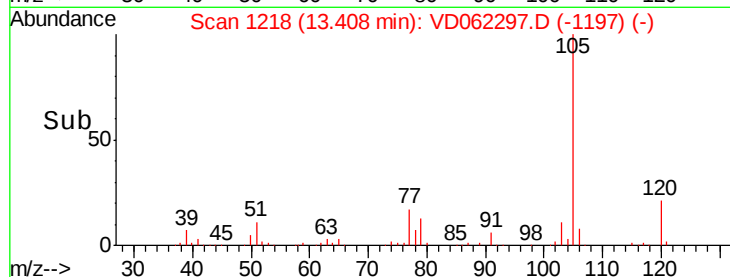
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.129 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Tgt Ion: 43 Resp: 128153

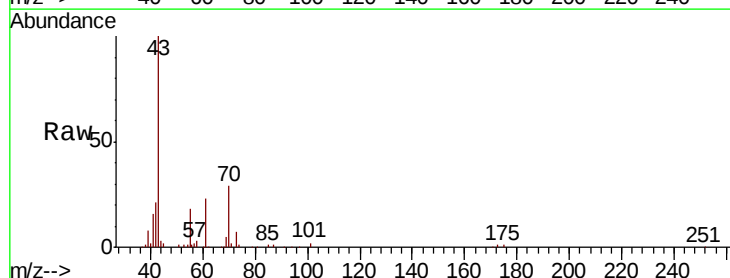
Ion Ratio Lower Upper

43 100

70 29.4 24.2 36.4

55 18.2 16.0 24.0

61 22.7 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

13.27

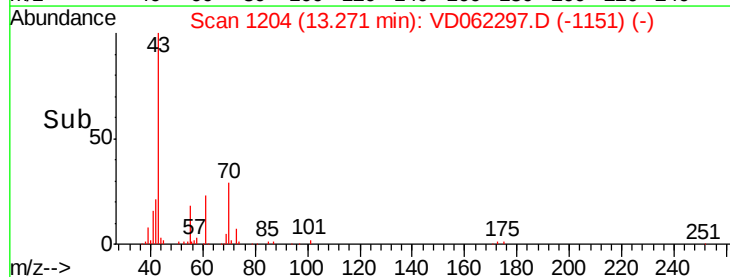
150000

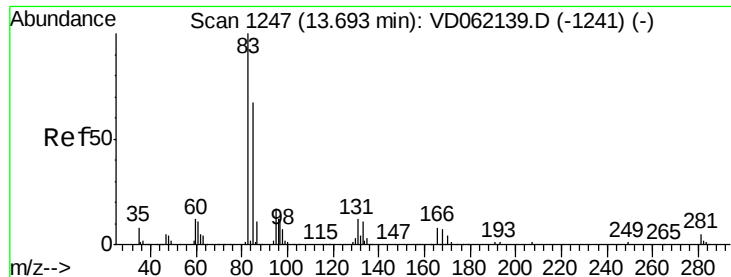
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 19.640 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

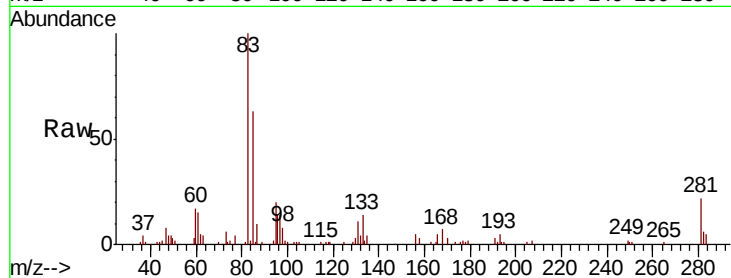
Tot Ion: 83 Resp: 90287

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

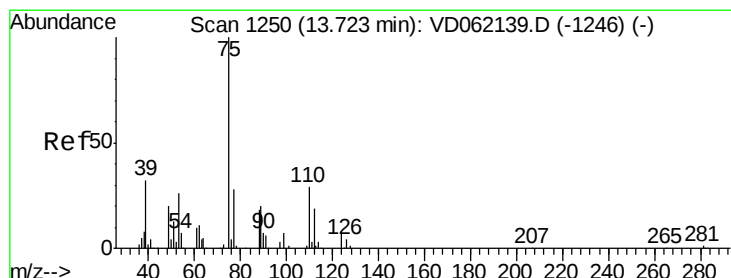
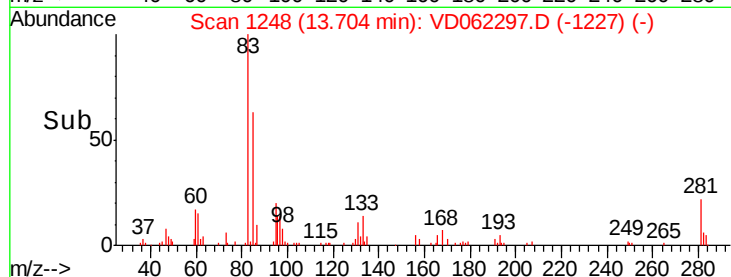
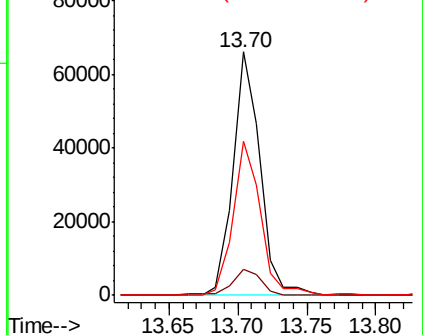
85 63.4 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.004 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062297.D

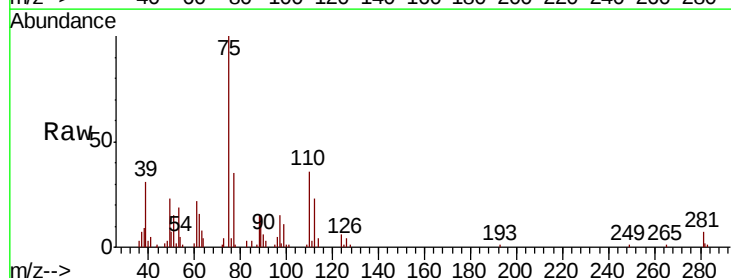
Acq: 13 May 2019 11:38

Tgt Ion: 75 Resp: 105934

Ion Ratio Lower Upper

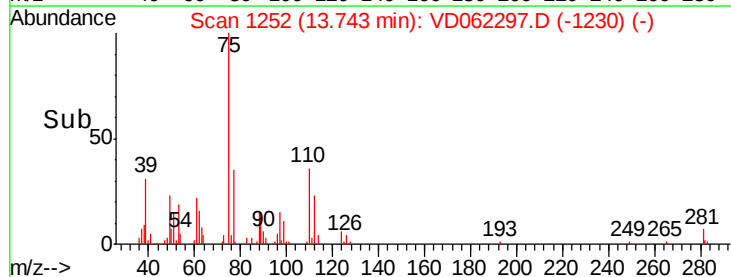
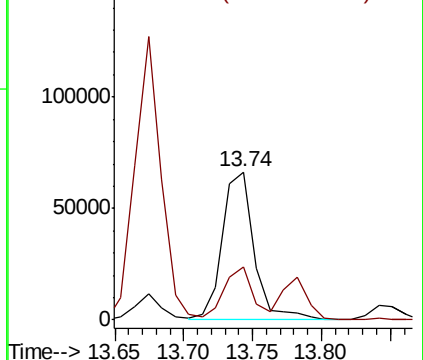
75 100

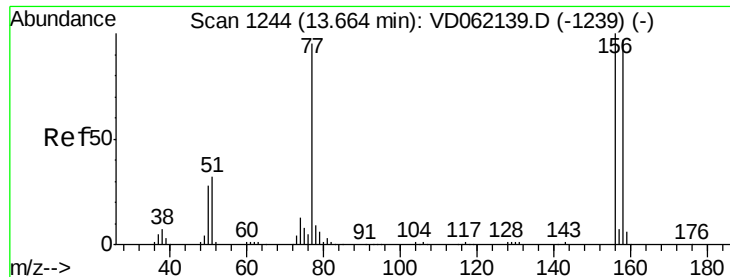
77 35.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.164 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

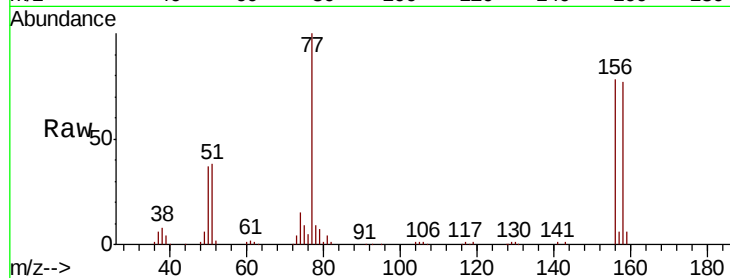
Tot Ion:156 Resp: 137075

Ion Ratio Lower Upper

156 100

77 128.0 53.1 159.4

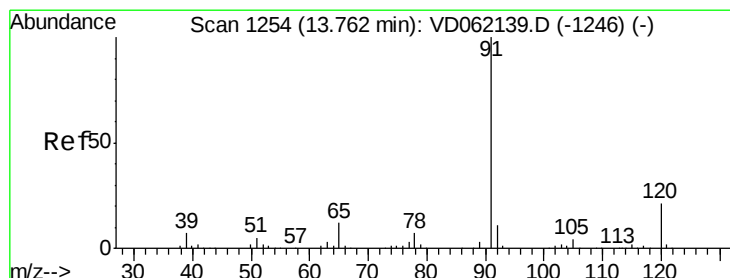
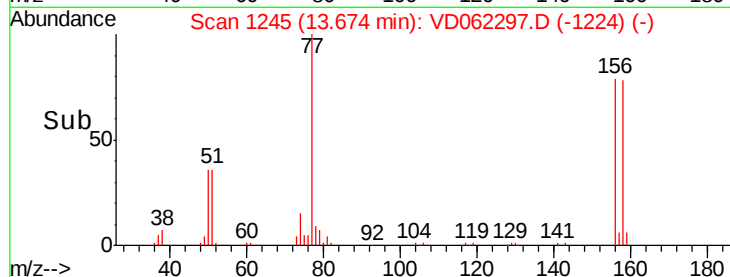
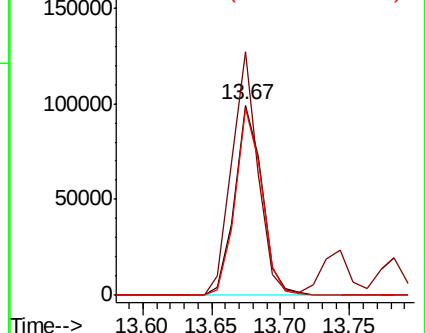
158 98.8 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.981 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062297.D

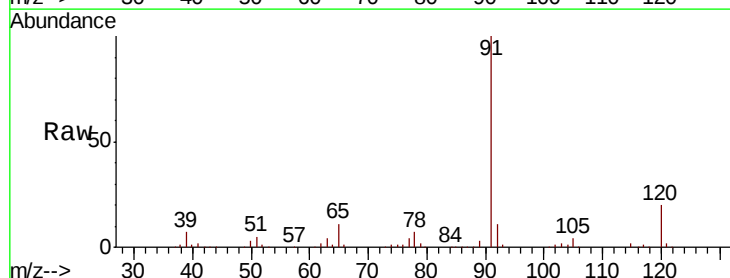
Acq: 13 May 2019 11:38

Tgt Ion: 91 Resp: 607755

Ion Ratio Lower Upper

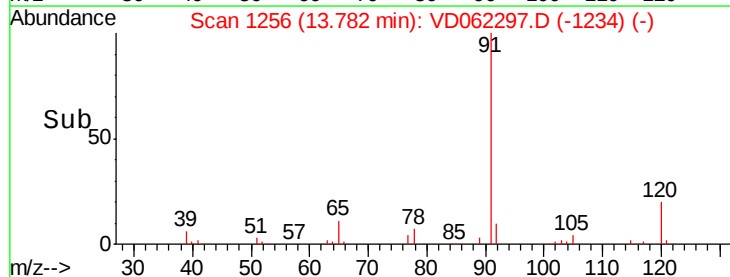
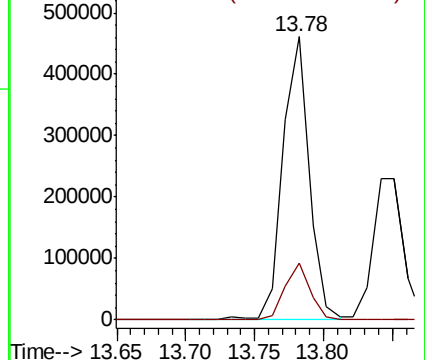
91 100

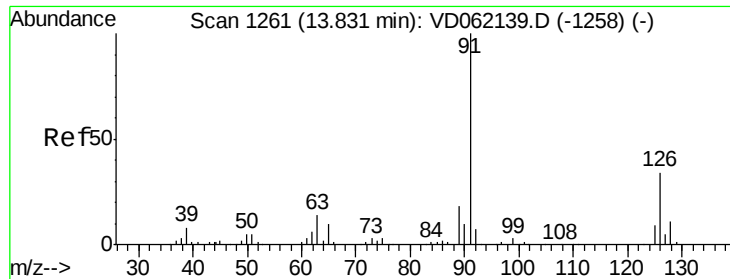
120 20.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

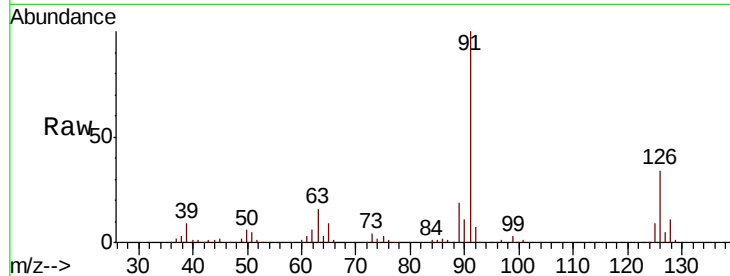




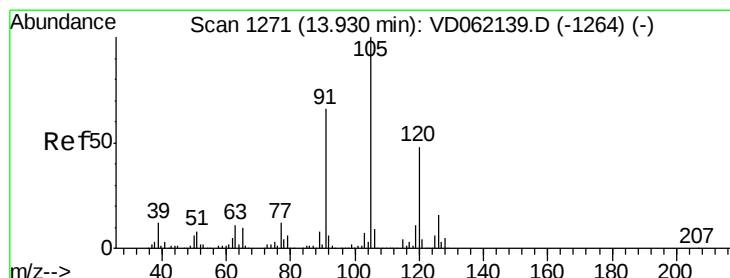
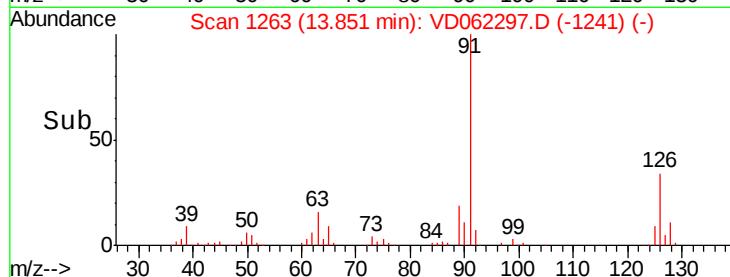
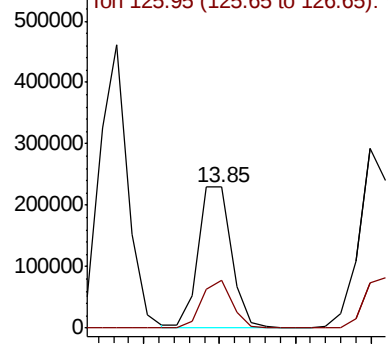
#79
 2-Chlorotoluene
 Concen: 21.098 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.02 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Tot Ion: 91 Resp: 350015
 Ion Ratio Lower Upper
 91 100
 126 33.8 18.6 55.8

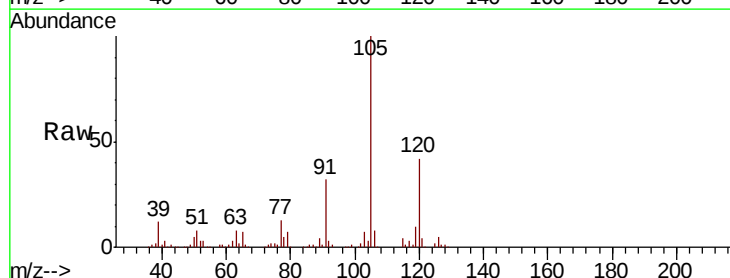


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

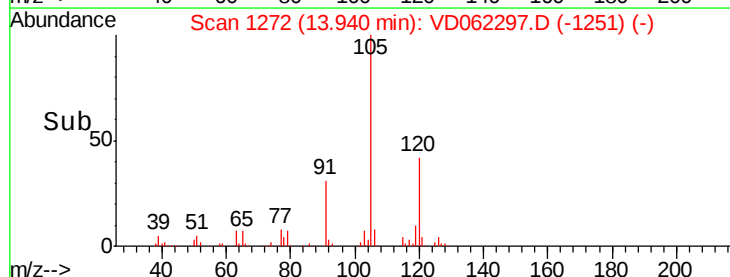
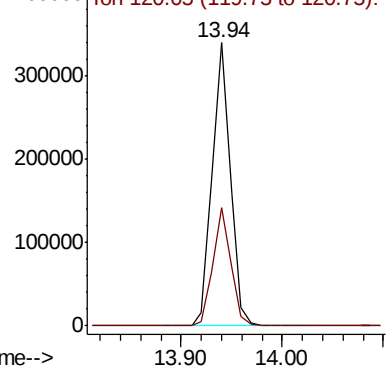


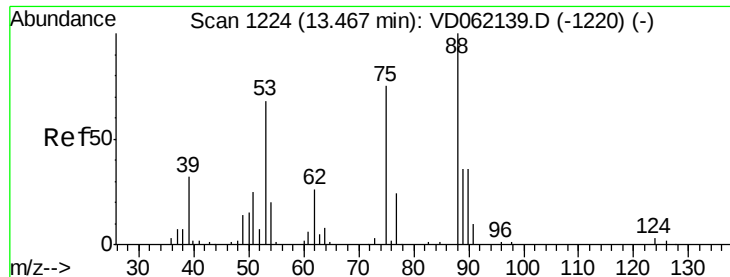
#80
 1,3,5-Trimethylbenzene
 Concen: 20.710 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Tgt Ion:105 Resp: 423492
 Ion Ratio Lower Upper
 105 100
 120 41.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.774 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

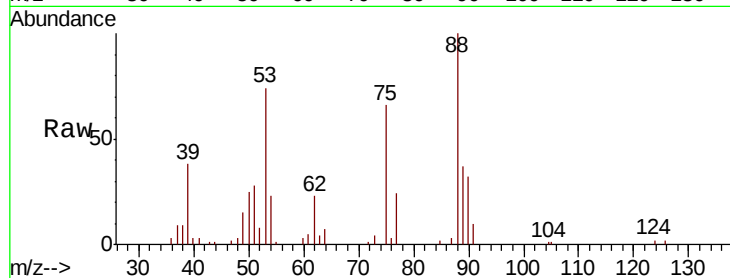
Tot Ion: 75 Resp: 25516

Ion Ratio Lower Upper

75 100

53 111.9 65.8 98.8#

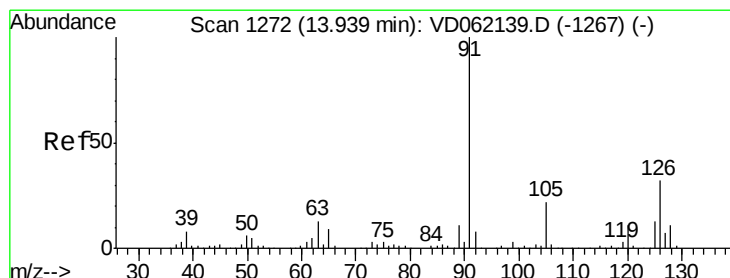
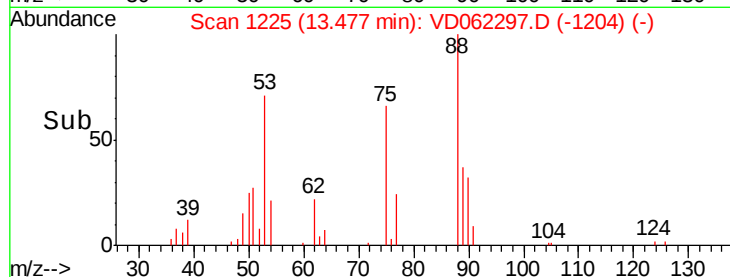
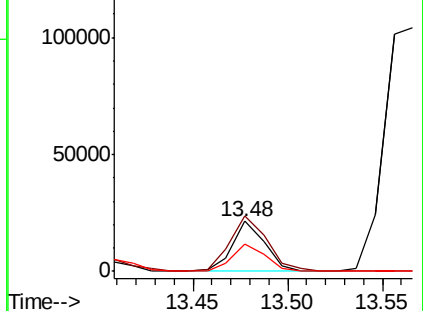
89 55.4 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.959 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062297.D

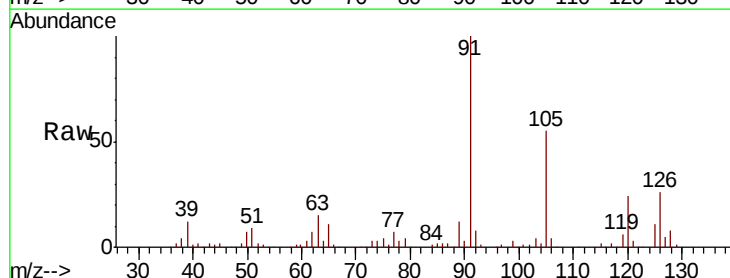
Acq: 13 May 2019 11:38

Tgt Ion: 91 Resp: 428697

Ion Ratio Lower Upper

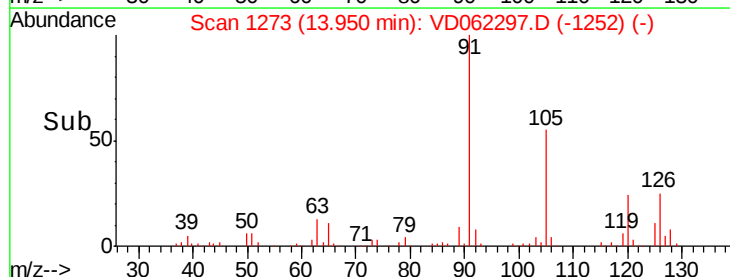
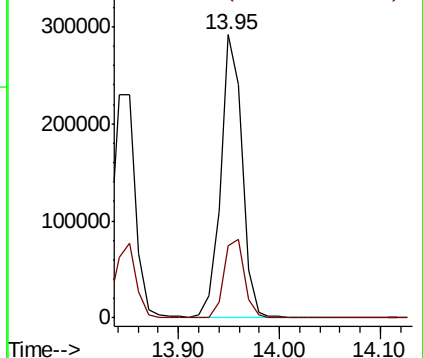
91 100

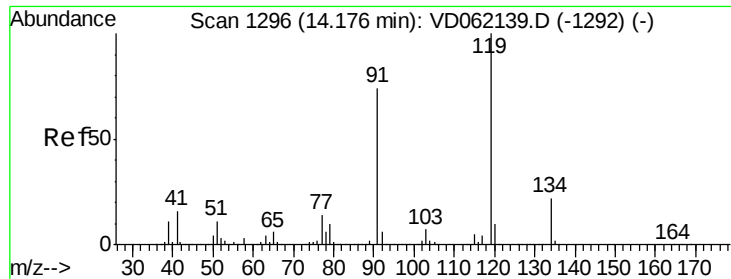
126 25.5 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

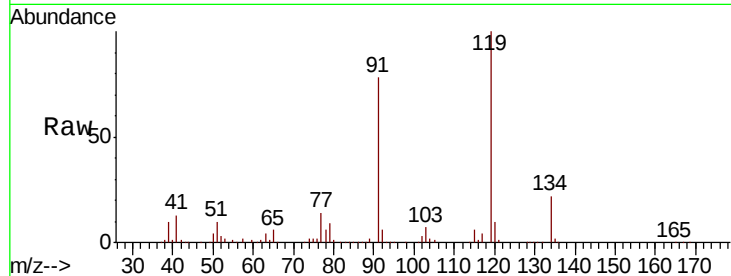




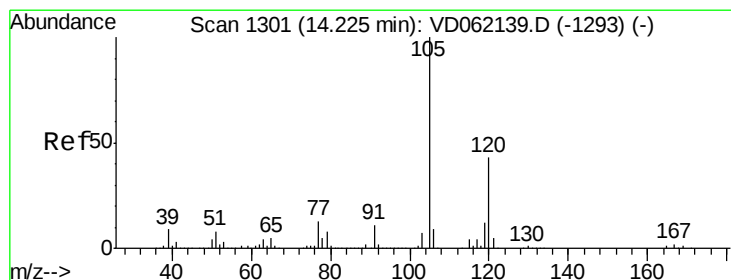
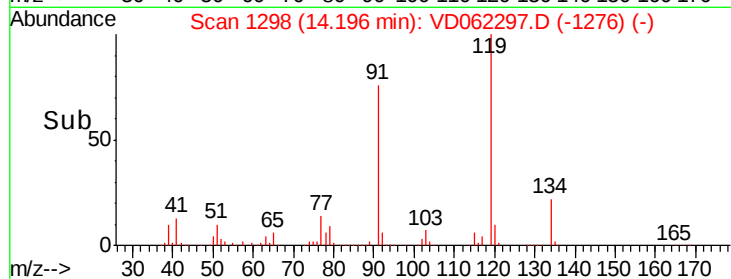
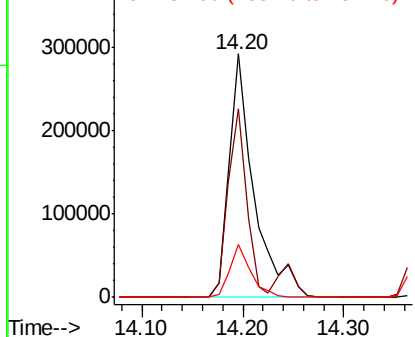
#83
tert-Butylbenzene
Concen: 21.675 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

Tot Ion:119 Resp: 498191
Ion Ratio Lower Upper
119 100
91 77.5 34.2 102.6
134 21.9 12.0 36.0

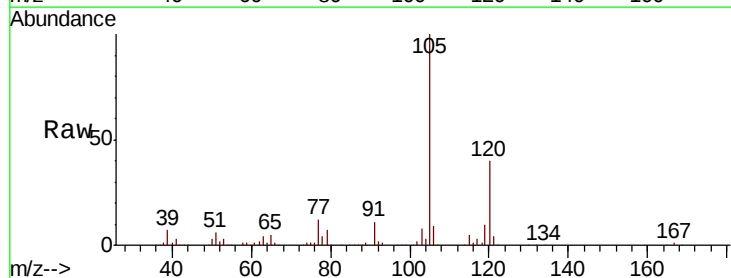


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

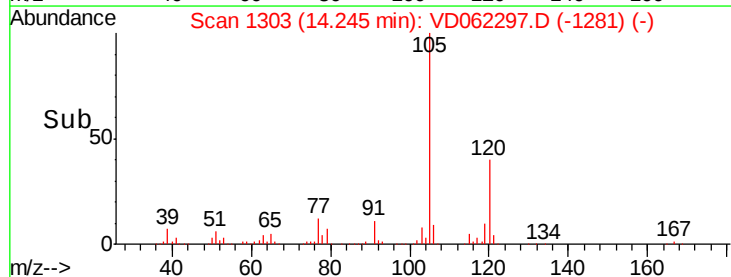
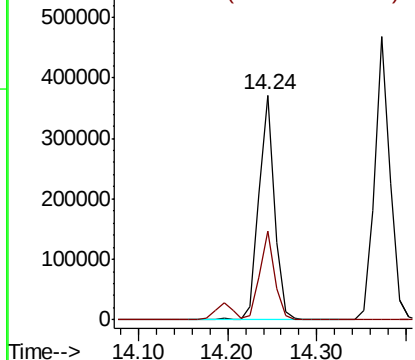


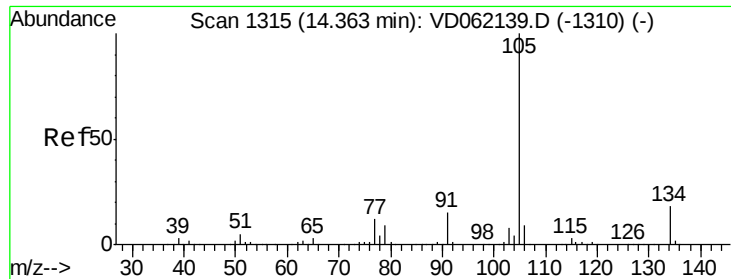
#84
1,2,4-Trimethylbenzene
Concen: 21.728 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion:105 Resp: 445865
Ion Ratio Lower Upper
105 100
120 39.7 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.837 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleID :

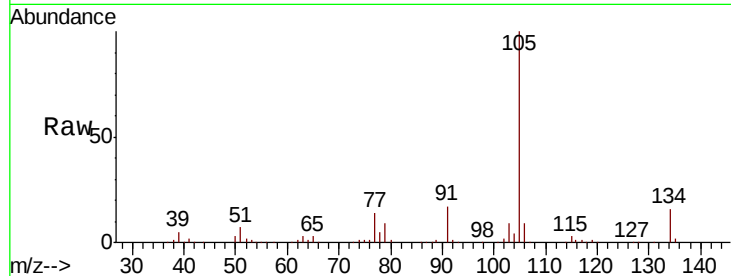
VD0513SBS01

Tot Ion:105 Resp: 550294

Ion Ratio Lower Upper

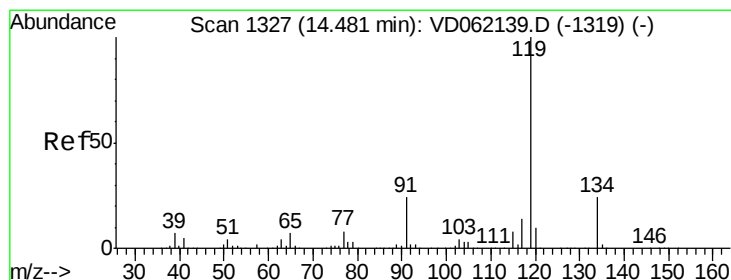
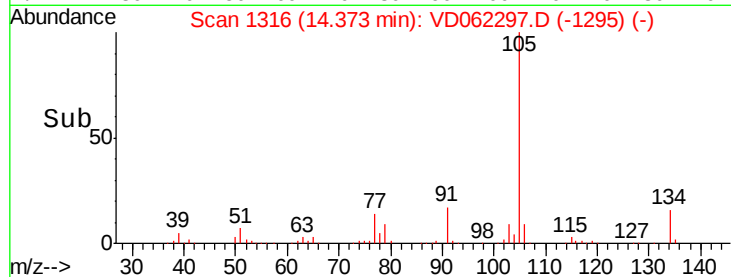
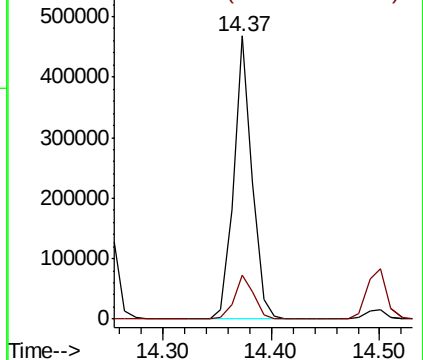
105 100

134 15.8 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.693 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062297.D

Acq: 13 May 2019 11:38

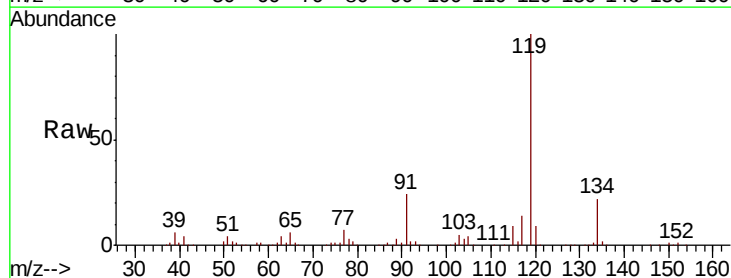
Tgt Ion:119 Resp: 488415

Ion Ratio Lower Upper

119 100

134 22.0 12.8 38.3

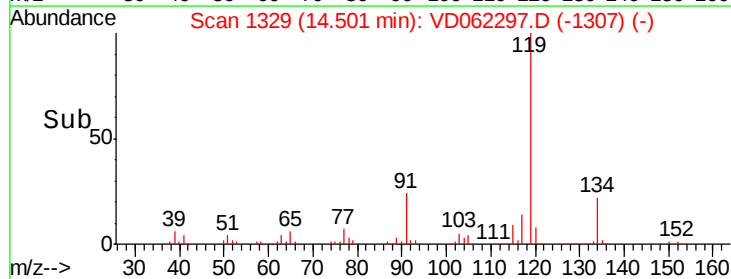
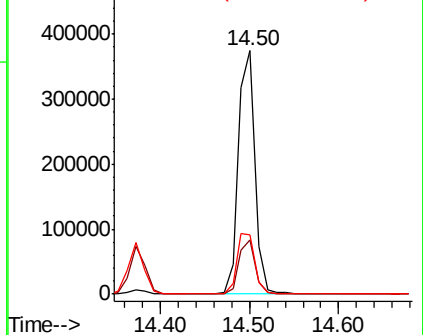
91 24.1 10.7 32.1

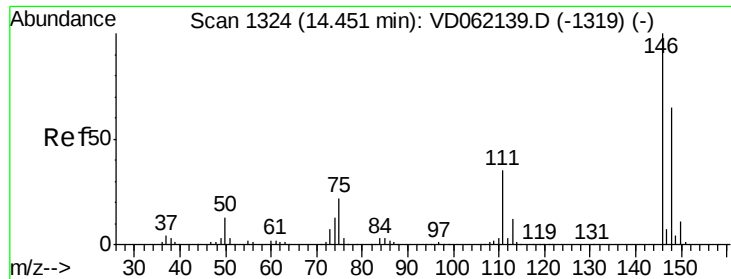


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

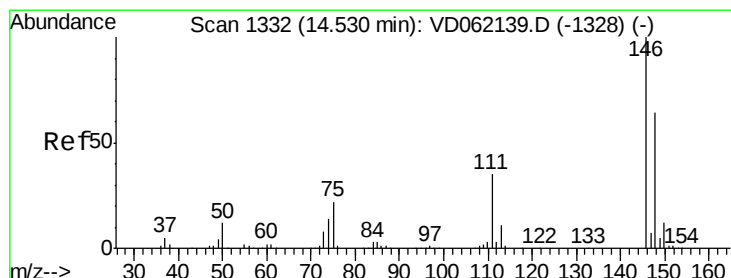
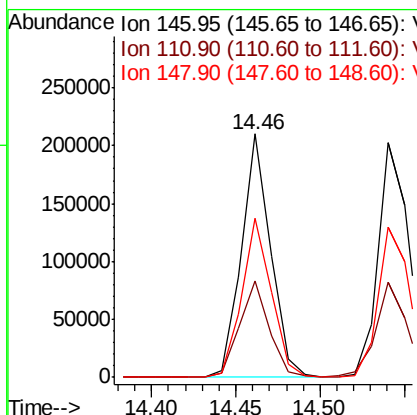
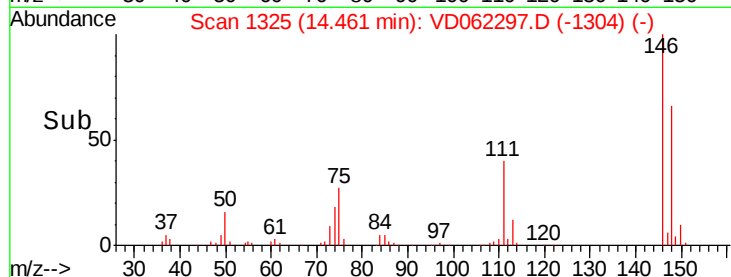
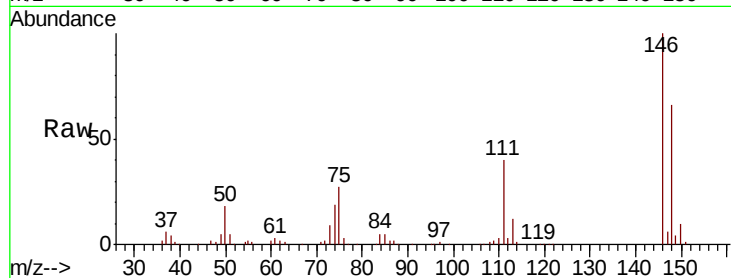




#87
 1,3-Dichlorobenzene
 Concen: 20.292 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

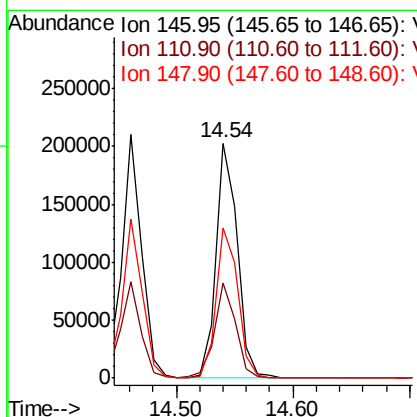
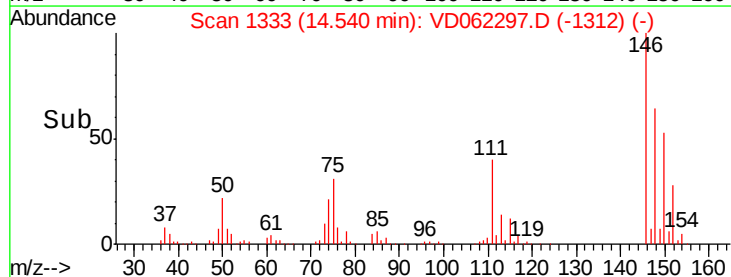
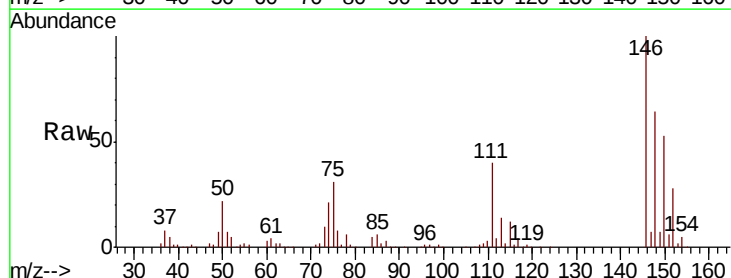
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

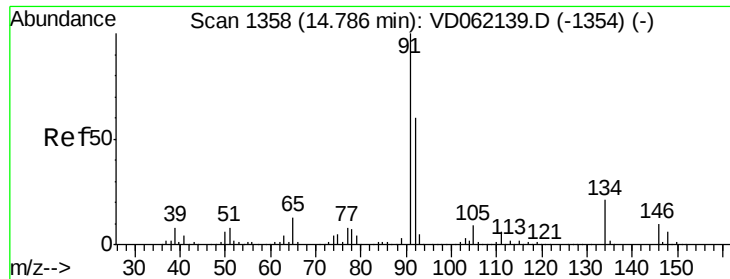
Tot Ion:146 Resp: 251983
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 65.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.029 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Tgt Ion:146 Resp: 256586
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.2 60.5
 148 63.7 32.0 96.2

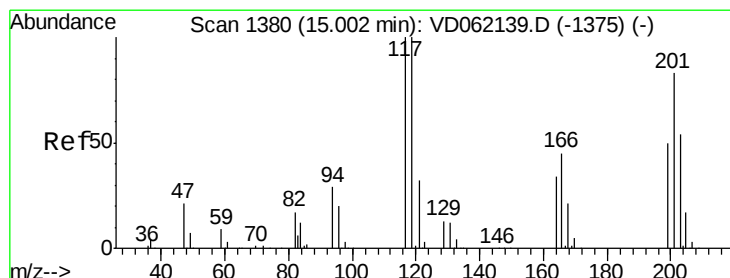
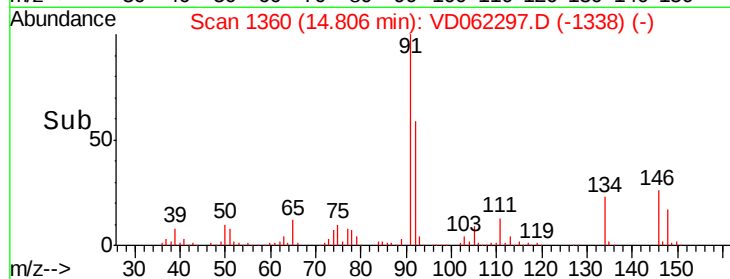
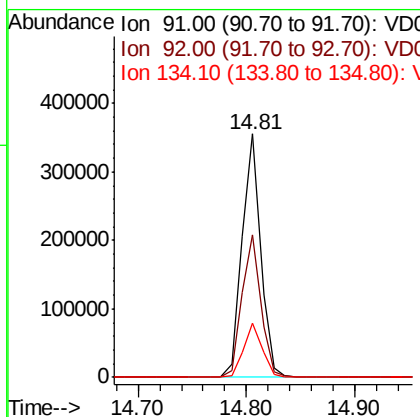
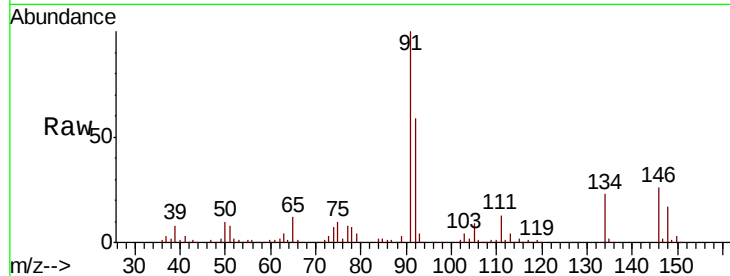




#89
n-Butylbenzene
Concen: 21.145 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

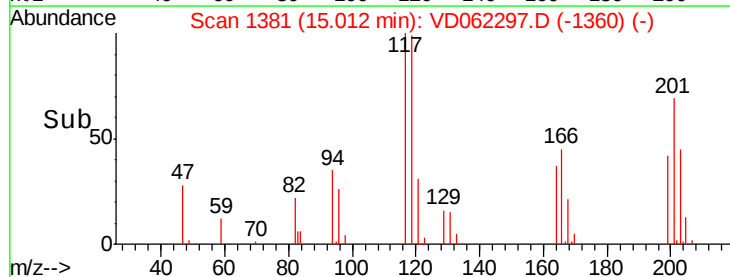
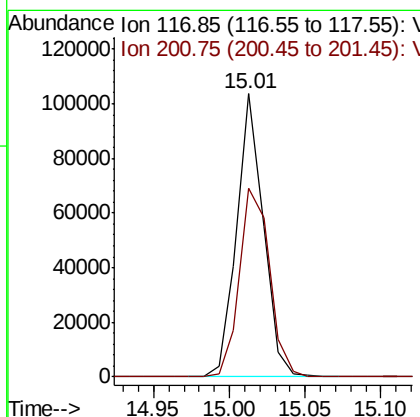
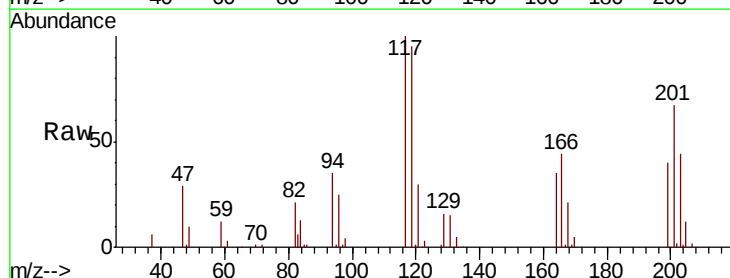
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

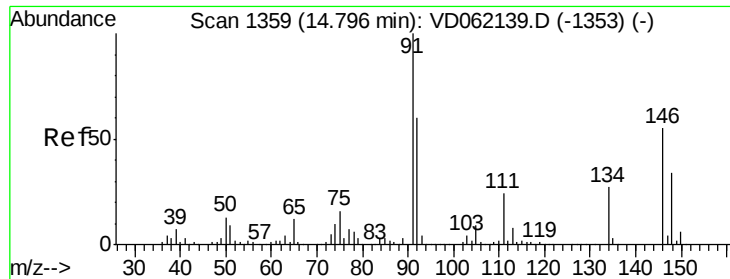
Tot Ion: 91 Resp: 427314
Ion Ratio Lower Upper
91 100
92 58.6 30.3 91.0
134 22.5 14.5 43.6



#90
Hexachloroethane
Concen: 20.639 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion: 117 Resp: 126366
Ion Ratio Lower Upper
117 100
201 66.6 30.2 90.6

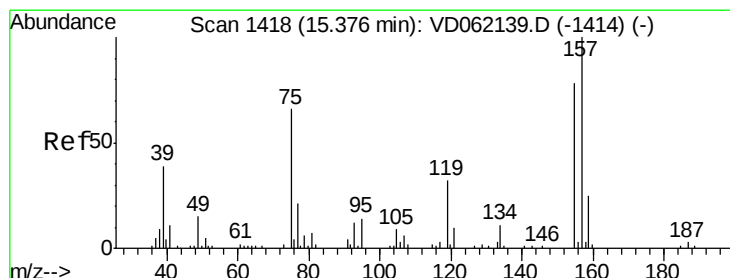
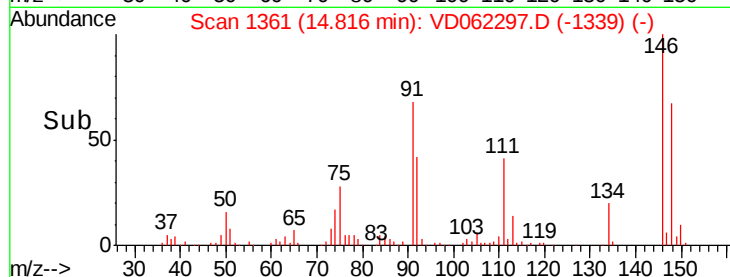
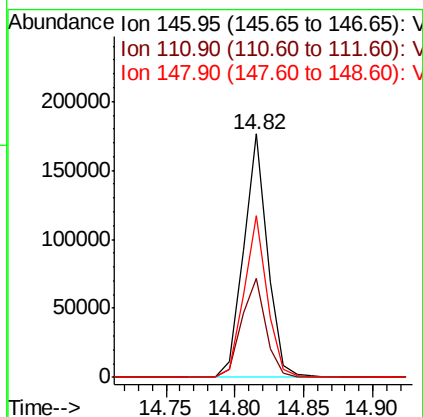
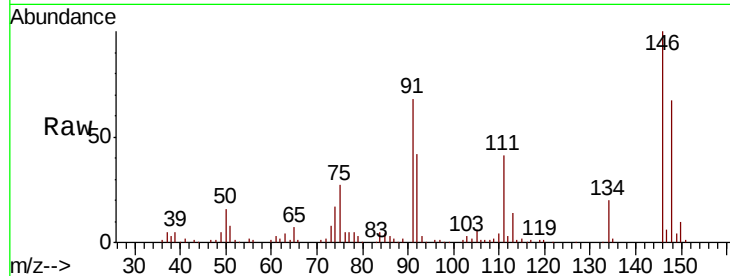




#91
 1,2-Dichlorobenzene
 Concen: 20.911 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

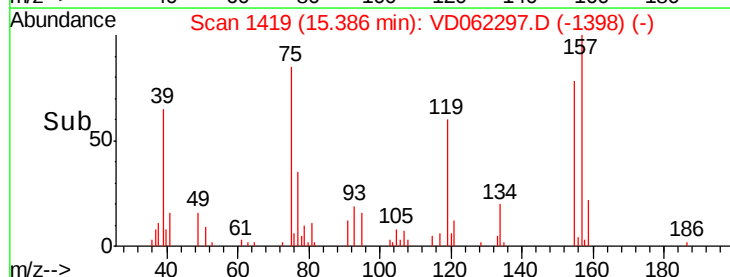
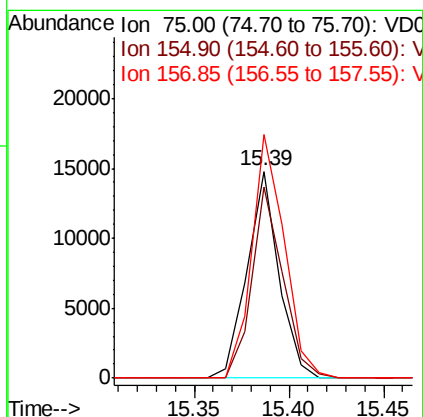
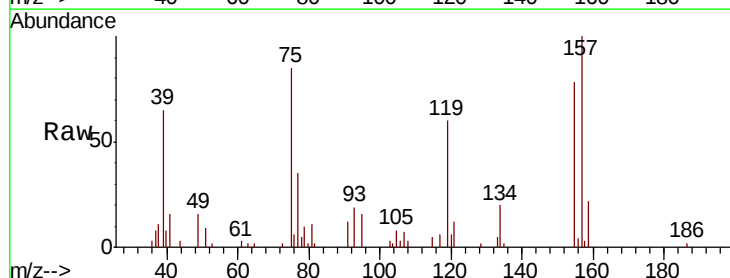
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

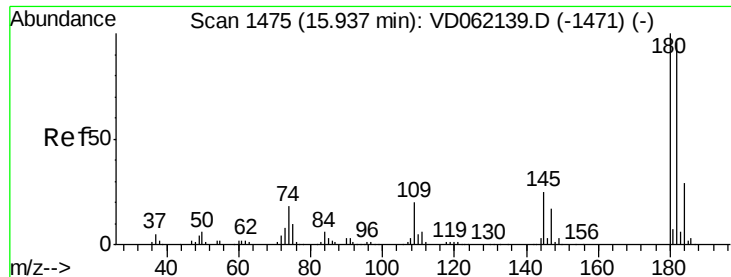
Tot Ion:146 Resp: 213857
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 59.9
 148 66.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.759 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Tgt Ion: 75 Resp: 17175
 Ion Ratio Lower Upper
 75 100
 155 92.3 55.3 165.8
 157 117.9 67.8 203.2

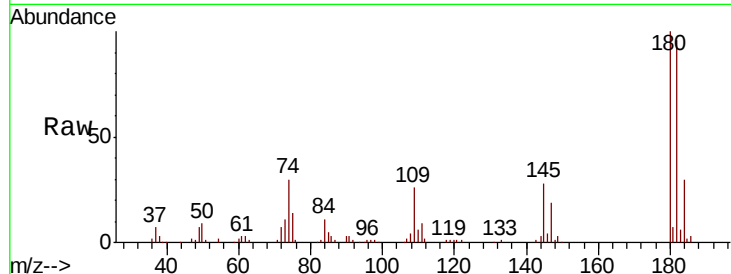




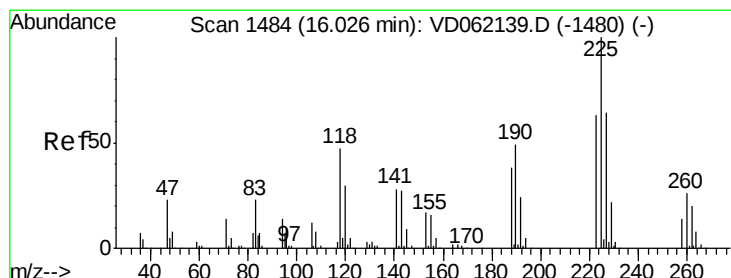
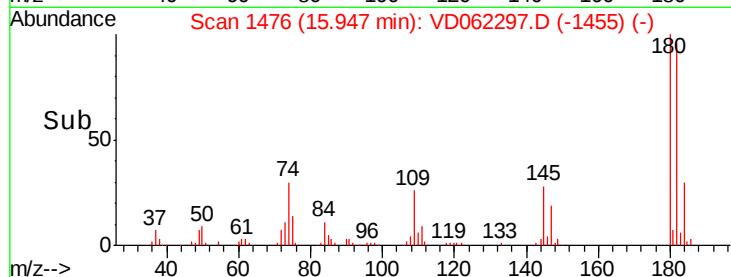
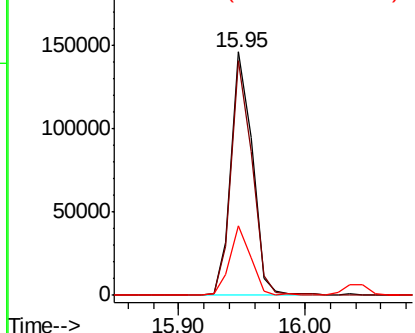
#93
 1,2,4-Trichlorobenzene
 Concen: 23.064 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Tot Ion:180 Resp: 171684
 Ion Ratio Lower Upper
 180 100
 182 96.1 49.3 147.8
 145 28.5 16.2 48.6

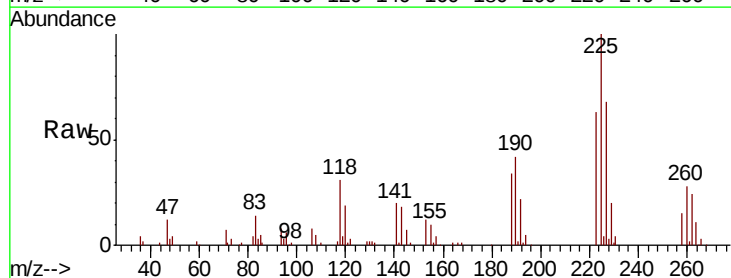


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

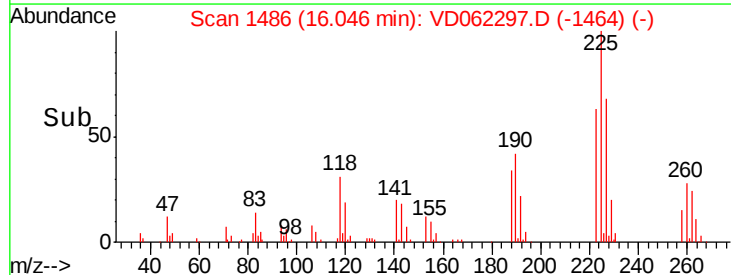
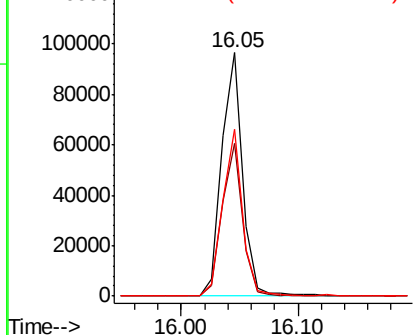


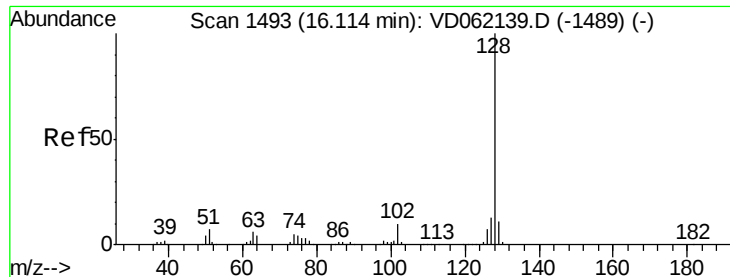
#94
 Hexachlorobutadiene
 Concen: 21.584 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062297.D
 Acq: 13 May 2019 11:38

Tgt Ion:225 Resp: 119499
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.6 92.0
 227 68.3 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

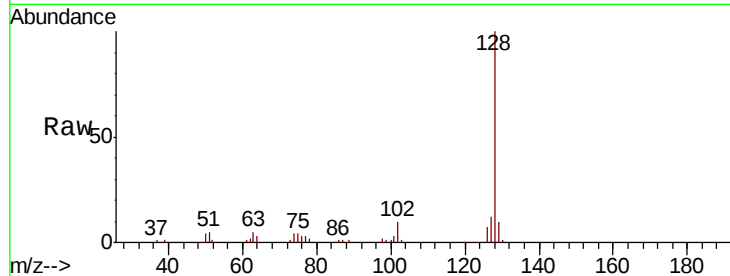




#95
Naphthalene
Concen: 19.495 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	10.0	8.8	13.2

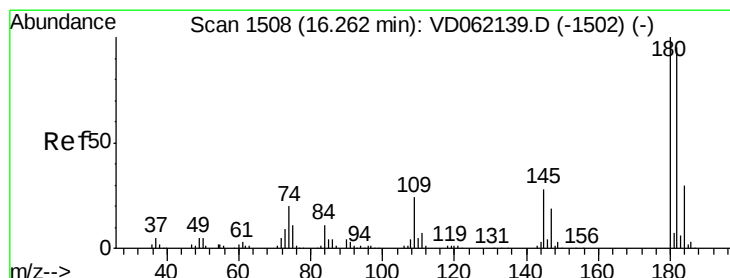
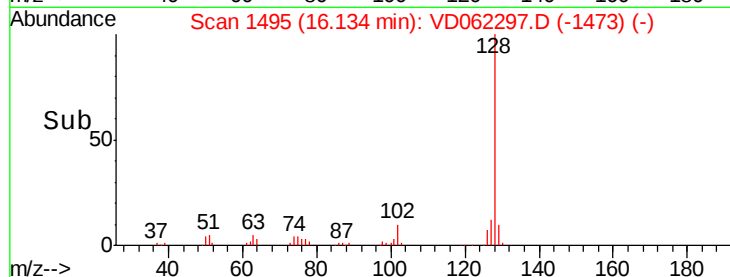
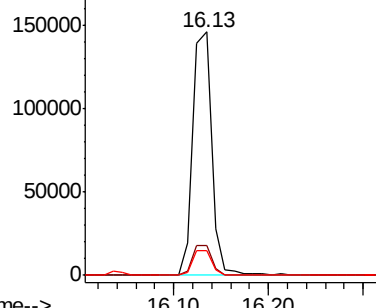


Abundance

Ion 128.00 (127.70 to 128.70): V

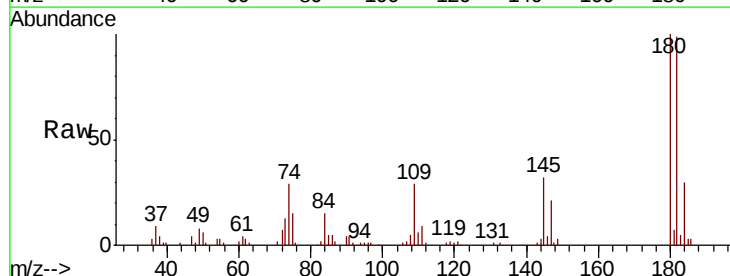
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 24.270 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062297.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	47.0	141.0
145	32.1	17.0	51.0



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

