

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062345.D
 Acq On : 14 May 2019 14:40
 Operator : FY/SY
 Sample : VD0514SBS01
 Misc : 6.99g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Quant Time: May 14 15:03:12 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	644692	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	863153	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	735031	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	408429	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	303472	50.65	ug/l	0.04
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	6.94	113	343624	47.98	ug/l	0.05
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.43	98	731849	42.38	ug/l	0.03
Spiked Amount	50.000		Recovery	=	84.76%	
62) 4-Bromofluorobenzene	13.57	95	332978	48.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	114302	18.538	ug/l	96
3) Chloromethane	1.76	50	75820	17.018	ug/l	94
4) Vinyl Chloride	1.85	62	76109	17.382	ug/l	93
5) Bromomethane	2.15	94	31516	30.718	ug/l	96
6) Chloroethane	2.26	64	40137	21.845	ug/l	99
7) Trichlorofluoromethane	2.53	101	205851	24.182	ug/l	99
8) Diethyl Ether	2.88	74	27572	16.794	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.15	101	131907	20.484	ug/l	94
10) Methyl Iodide	3.31	142	130745	13.434	ug/l #	76
11) Tert butyl alcohol	4.09	59	31248	102.178	ug/l	96
12) 1,1-Dichloroethene	3.13	96	90673	18.446	ug/l	92
13) Acrolein	3.05	56	23360	73.852	ug/l #	71
14) Allyl chloride	3.63	41	131082	18.340	ug/l #	76
15) Acrylonitrile	4.21	53	76043	94.601	ug/l #	79
16) Acetone	3.23	43	129763	103.280	ug/l #	86
17) Carbon Disulfide	3.38	76	208180	14.722	ug/l	99
18) Methyl Acetate	3.66	43	43523	19.182	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	216114	20.511	ug/l	96
20) Methylene Chloride	3.82	84	101065	19.265	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	100792	18.426	ug/l	85
22) Diisopropyl ether	5.13	45	298531	19.628	ug/l	91
23) Vinyl Acetate	5.07	43	874460	108.972	ug/l	96
24) 1,1-Dichloroethane	4.99	63	183370	19.985	ug/l	99
25) 2-Butanone	6.09	43	145955	106.501	ug/l	93
26) 2,2-Dichloropropane	6.04	77	211060	23.093	ug/l	91
27) cis-1,2-Dichloroethene	6.06	96	116319	18.998	ug/l	94
28) Bromochloromethane	6.46	49	89187	24.706	ug/l	82
29) Tetrahydrofuran	6.47	42	62616	99.163	ug/l	92
30) Chloroform	6.68	83	245063	22.162	ug/l	99
31) Cyclohexane	6.97	56	121358	19.306	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	248383	23.765	ug/l	97
36) 1,1-Dichloropropene	7.16	75	156013	22.045	ug/l	95
37) Ethyl Acetate	6.19	43	64344	21.439	ug/l #	88
38) Carbon Tetrachloride	7.12	117	239116	24.411	ug/l	97

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 Misc : 6.99g/5mL/MSVOA D/SOIL
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Quant Time: May 14 15:03:12 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)
39) Methylcyclohexane	8.88	83	121830	17.967	ug/l	99
40) Benzene	7.47	78	308693	19.317	ug/l	99
41) Methacrylonitrile	6.46	41	82109	22.387	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	163227	24.107	ug/l	91
43) Isopropyl Acetate	9.26	43	83489	19.615	ug/l	98
44) Trichloroethene	8.56	130	118496	19.459	ug/l	83
45) 1,2-Dichloropropane	8.95	63	76045	19.238	ug/l	97
46) Dibromomethane	9.08	93	67219	20.912	ug/l	93
47) Bromodichloromethane	9.39	83	181448	23.077	ug/l	95
48) Methyl methacrylate	9.14	41	57712	22.012	ug/l #	79
49) 1,4-Dioxane	9.10	88	9629	340.390	ug/l #	78
51) 4-Methyl-2-Pentanone	10.32	43	291441	106.517	ug/l	92
52) Toluene	10.51	92	199345	19.172	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	154483	22.733	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	156895	21.164	ug/l #	89
55) 1,1,2-Trichloroethane	11.20	97	74893	20.357	ug/l	91
56) Ethyl methacrylate	11.06	69	72171	18.878	ug/l #	78
57) 1,3-Dichloropropane	11.42	76	112259	20.198	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	207413	99.324	ug/l	97
59) 2-Hexanone	11.55	43	224307	111.230	ug/l	90
60) Dibromochloromethane	11.70	129	135706	21.344	ug/l	91
61) 1,2-Dibromoethane	11.81	107	87365	19.533	ug/l	100
64) Tetrachloroethene	11.27	164	105241	18.310	ug/l	95
65) Chlorobenzene	12.41	112	280324	20.476	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	122376	20.539	ug/l	94
67) Ethyl Benzene	12.53	91	470890	20.545	ug/l	93
68) m/p-Xylenes	12.68	106	331222	39.721	ug/l	87
69) o-Xylene	13.05	106	148244	19.123	ug/l	71
70) Styrene	13.08	104	260246	19.817	ug/l	96
71) Bromoform	13.24	173	86094	20.769	ug/l	100
73) Isopropylbenzene	13.41	105	502693	20.533	ug/l	91
74) N-amyl acetate	13.27	43	124256	19.358	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	85721	18.495	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	89687	18.477	ug/l	100
77) Bromobenzene	13.67	156	132960	19.400	ug/l	83
78) n-propylbenzene	13.78	91	556709	19.062	ug/l	92
79) 2-Chlorotoluene	13.85	91	328251	19.625	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	427457	20.734	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	22947	16.746	ug/l #	67
82) 4-Chlorotoluene	13.96	91	426128	21.650	ug/l	87
83) tert-Butylbenzene	14.20	119	466978	20.152	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	408507	19.746	ug/l	88
85) sec-Butylbenzene	14.37	105	565043	22.240	ug/l	95
86) p-Isopropyltoluene	14.50	119	469399	20.679	ug/l	92
87) 1,3-Dichlorobenzene	14.46	146	230322	18.397	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	241718	19.649	ug/l	96
89) n-Butylbenzene	14.81	91	429599	21.085	ug/l	94
90) Hexachloroethane	15.01	117	127403	20.639	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	207685	20.142	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15788	20.751	ug/l	76

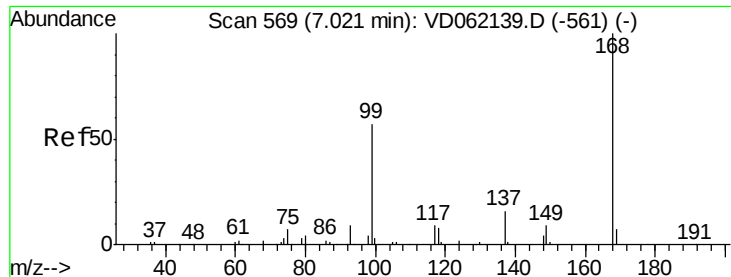
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	158301	21.093	ug/l	96
94) Hexachlorobutadiene	16.05	225	118295	21.193	ug/l	96
95) Naphthalene	16.13	128	198021	18.899	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	111396	23.608	ug/l	94

(#) = 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: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

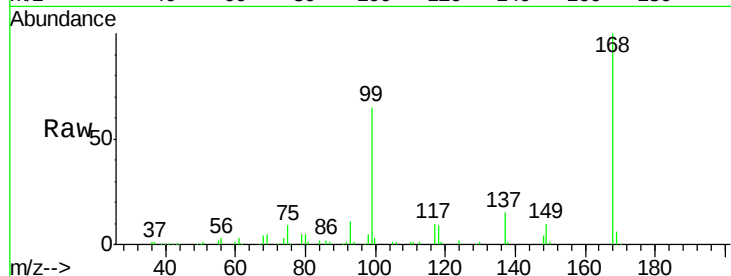
VD0514SBSD01

Tot Ion:168 Resp: 644692

Ion Ratio Lower Upper

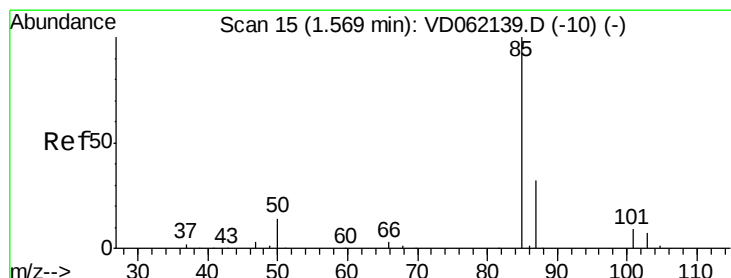
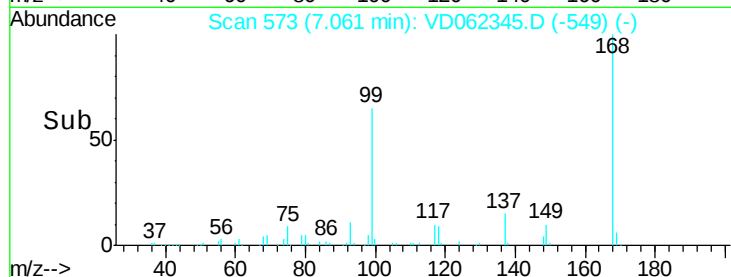
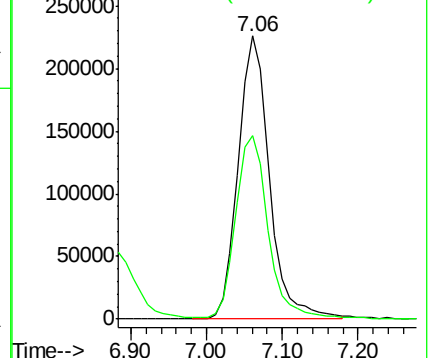
168 100

99 65.0 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: 18.538 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062345.D

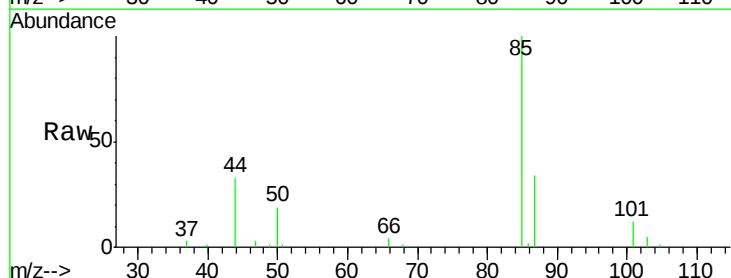
Acq: 14 May 2019 14:40

Tgt Ion: 85 Resp: 114302

Ion Ratio Lower Upper

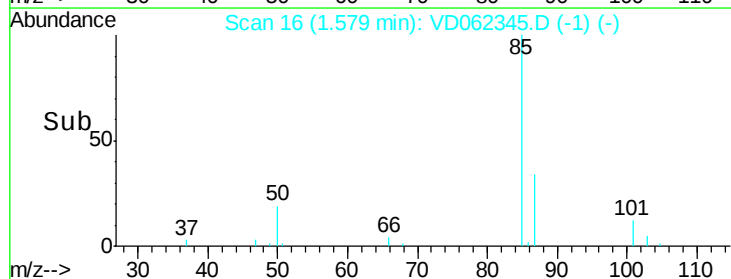
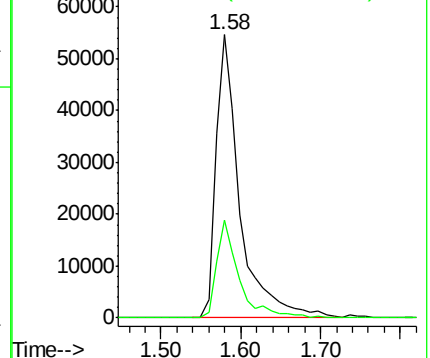
85 100

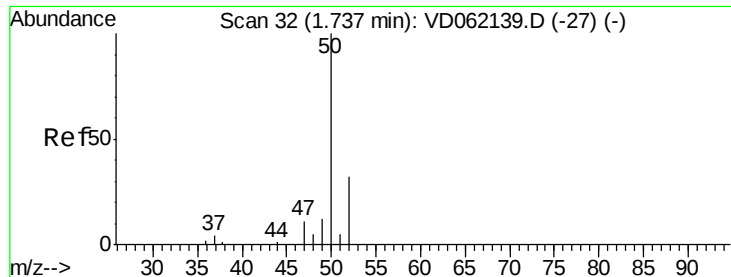
87 34.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.018 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

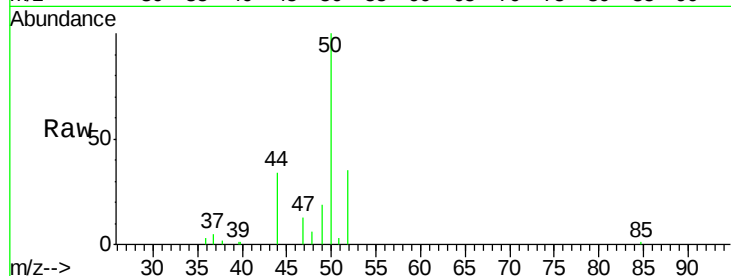
VD0514SBSD01

Tot Ion: 50 Resp: 75820

Ion Ratio Lower Upper

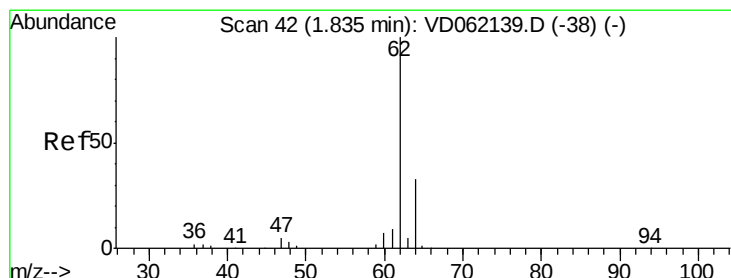
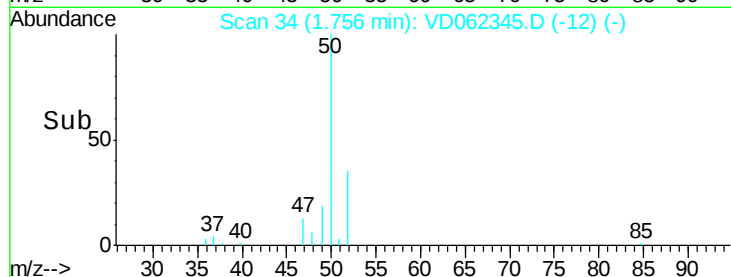
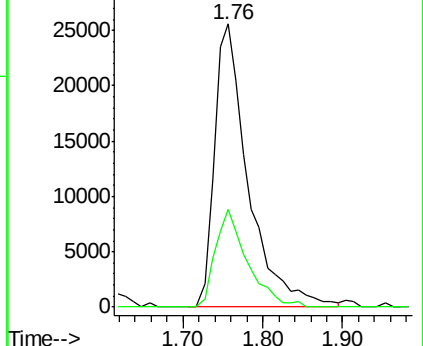
50 100

52 34.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.382 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062345.D

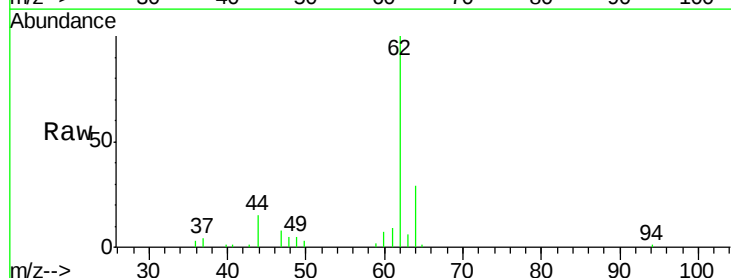
Acq: 14 May 2019 14:40

Tgt Ion: 62 Resp: 76109

Ion Ratio Lower Upper

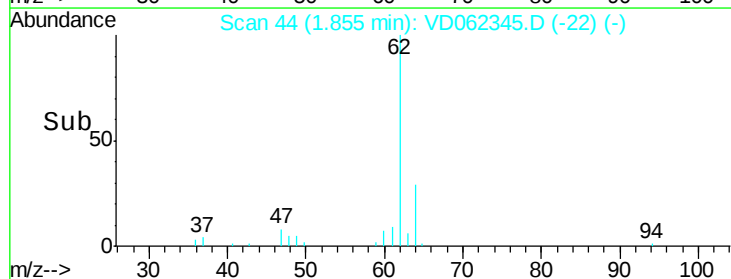
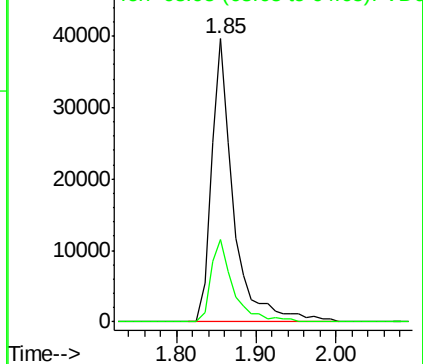
62 100

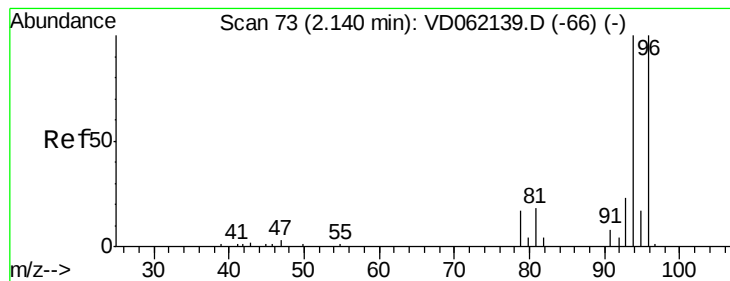
64 29.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 30.718 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

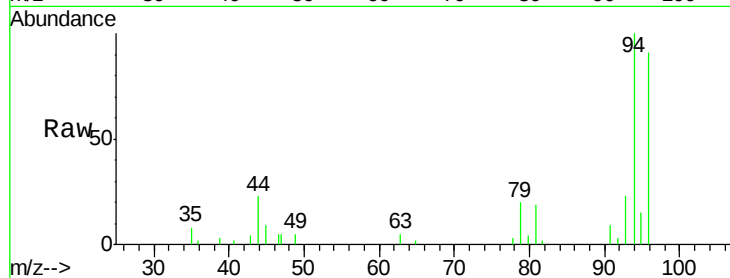
Tot Ion: 94 Resp: 31516

Ion Ratio Lower Upper

94 100

96 91.2 76.6 115.0

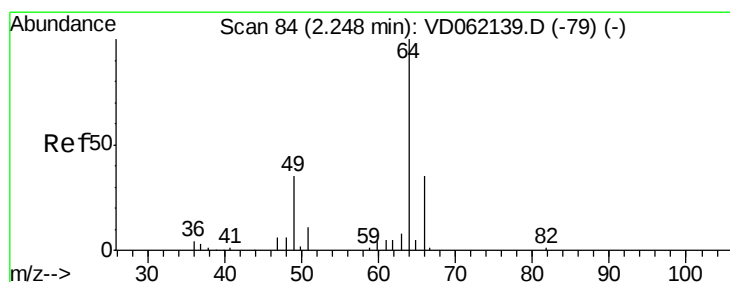
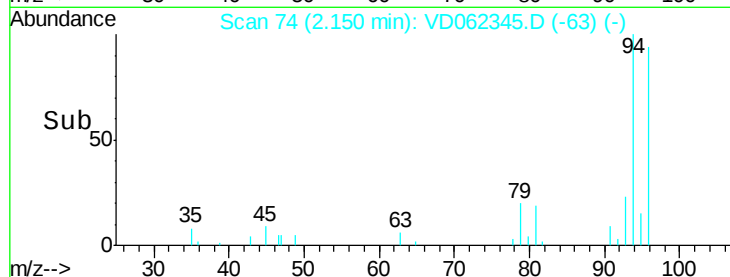
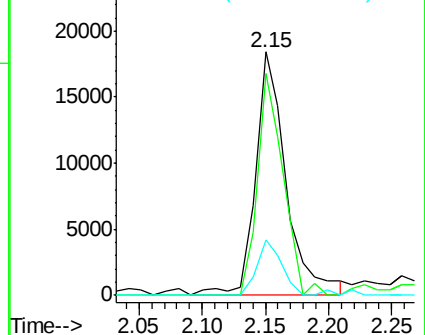
93 22.8 18.5 27.7



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: 21.845 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062345.D

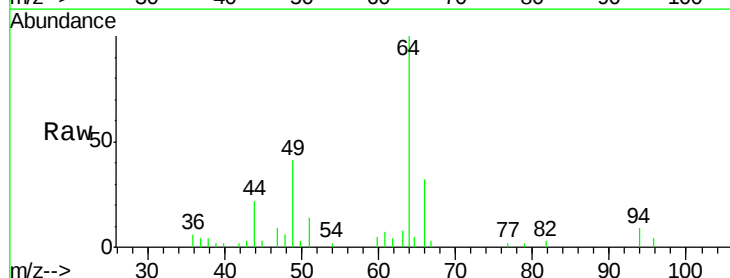
Acq: 14 May 2019 14:40

Tgt Ion: 64 Resp: 40137

Ion Ratio Lower Upper

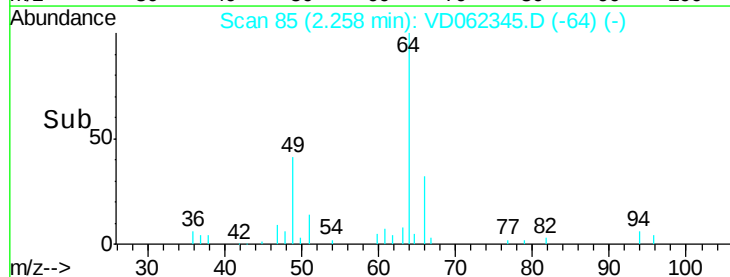
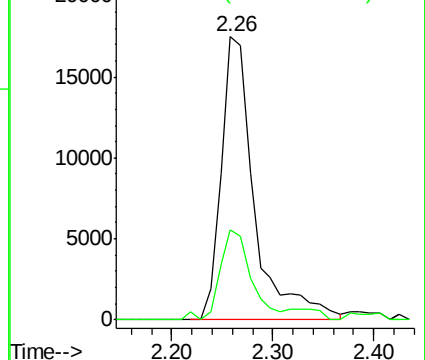
64 100

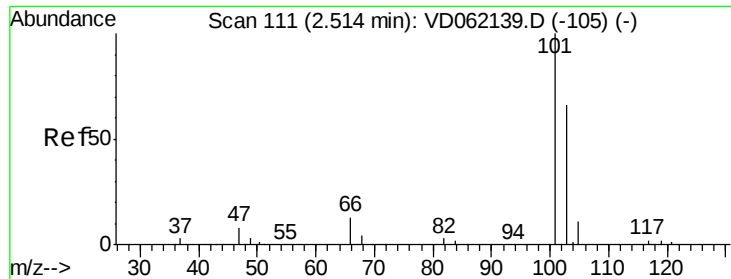
66 31.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



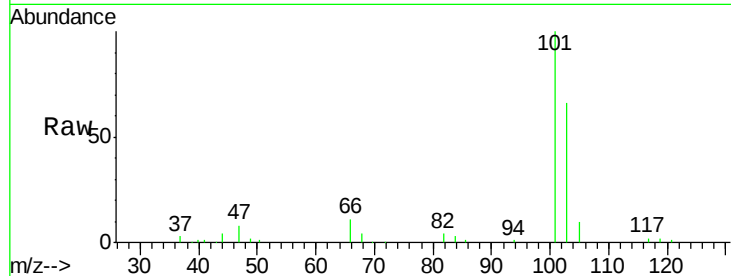


#7

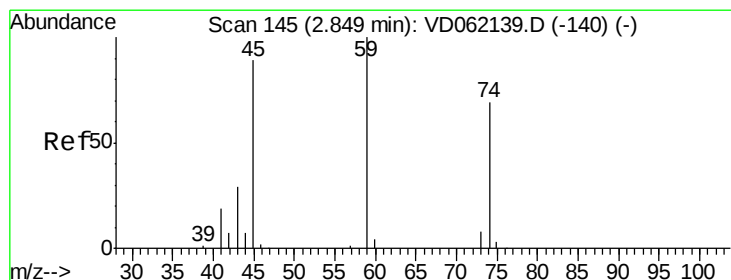
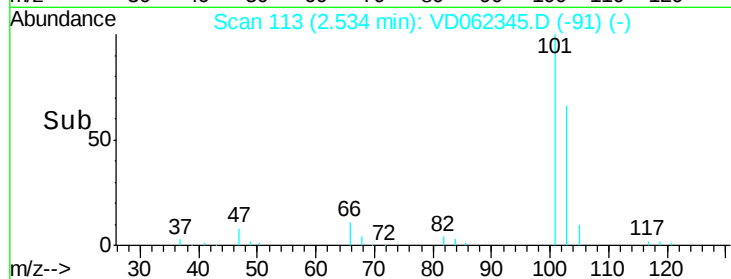
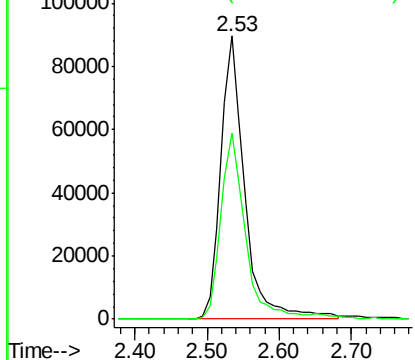
Trichlorofluoromethane
Concen: 24.182 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion:101 Resp: 205851
Ion Ratio Lower Upper
101 100
103 65.8 53.6 80.4



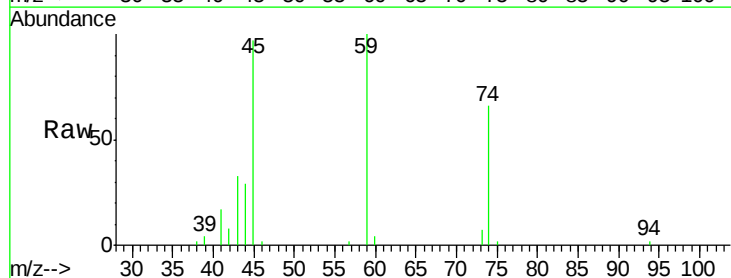
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



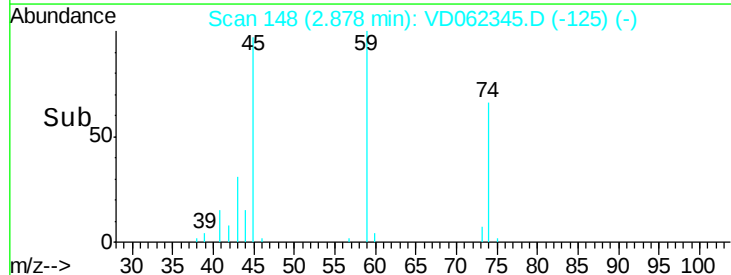
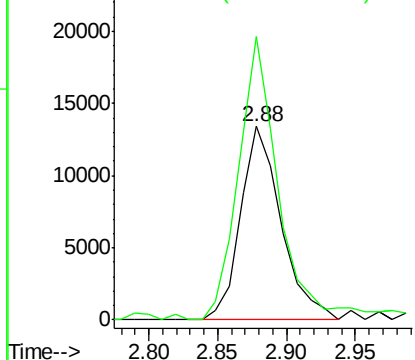
#8

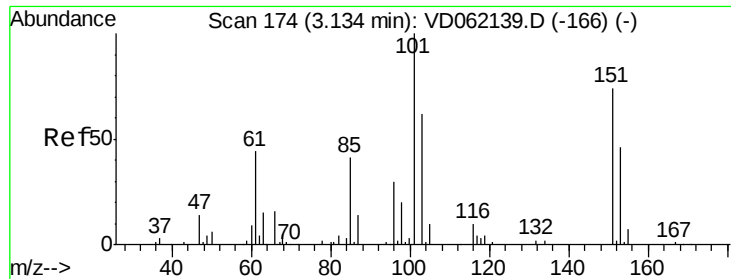
Diethyl Ether
Concen: 16.794 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 74 Resp: 27572
Ion Ratio Lower Upper
74 100
45 146.3 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: 20.484 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

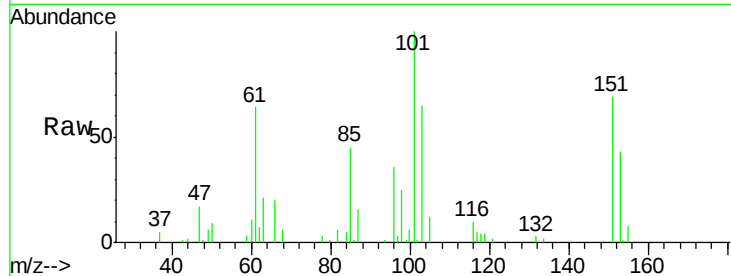
Tot Ion:101 Resp: 131907

Ion Ratio Lower Upper

101 100

85 44.5 32.4 48.6

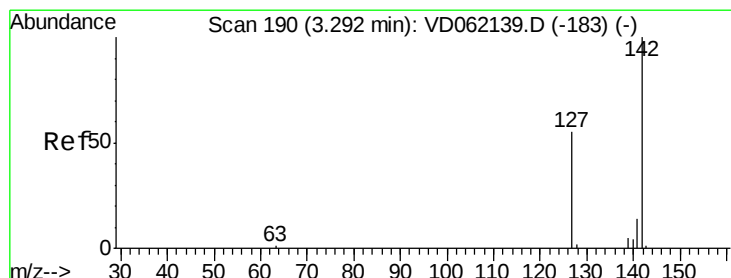
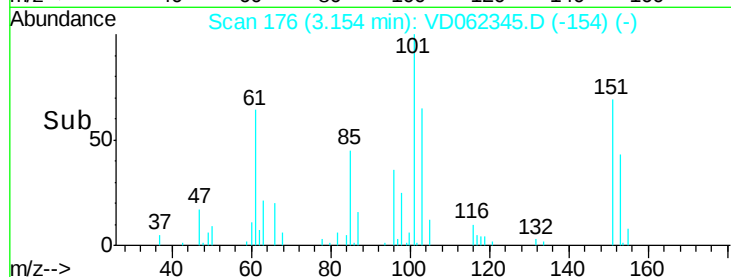
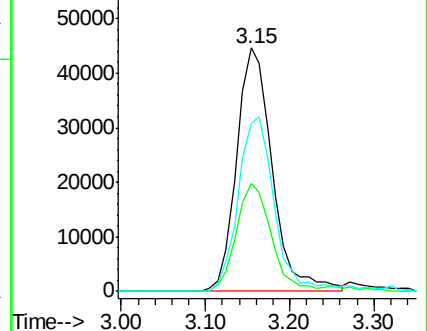
151 69.1 59.4 89.0



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: 13.434 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

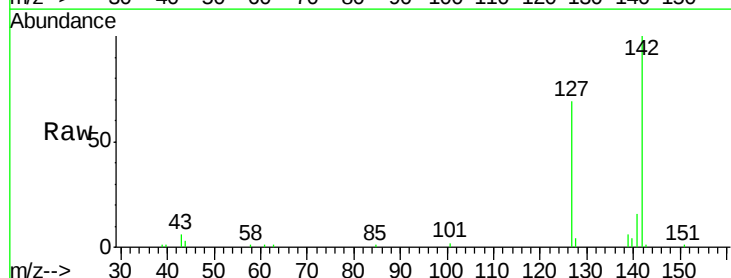
Tgt Ion:142 Resp: 130745

Ion Ratio Lower Upper

142 100

127 68.7 38.8 58.2#

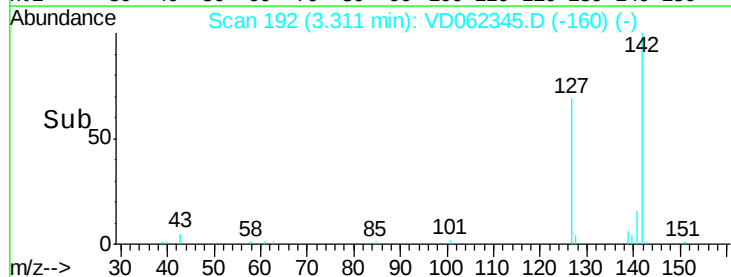
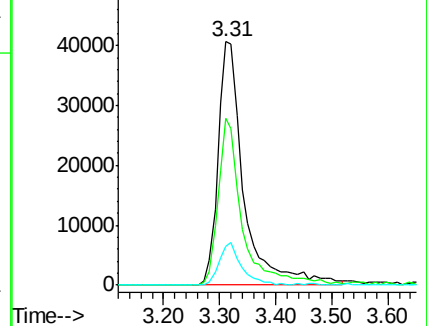
141 15.8 11.4 17.0



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



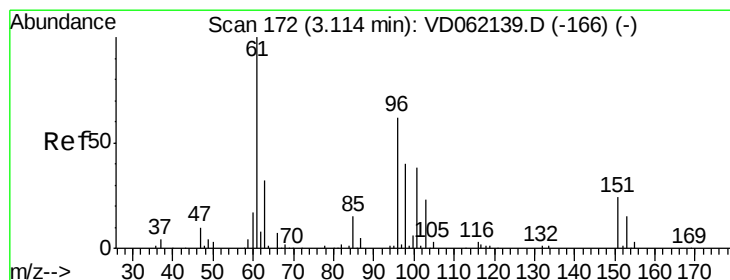
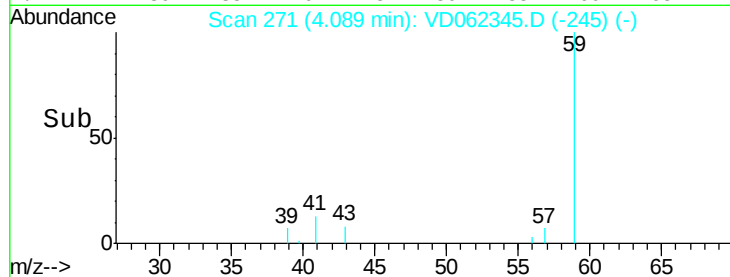
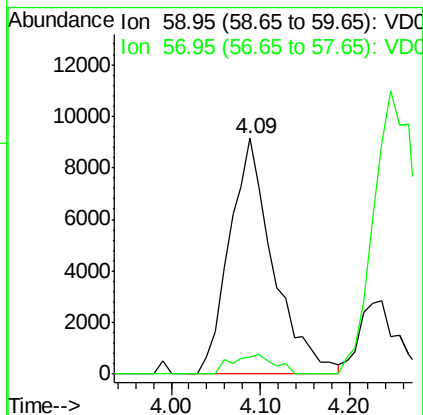
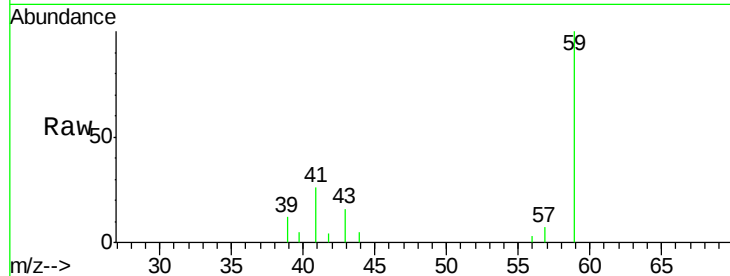


#11

Tert butyl alcohol
 Concen: 102.178 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

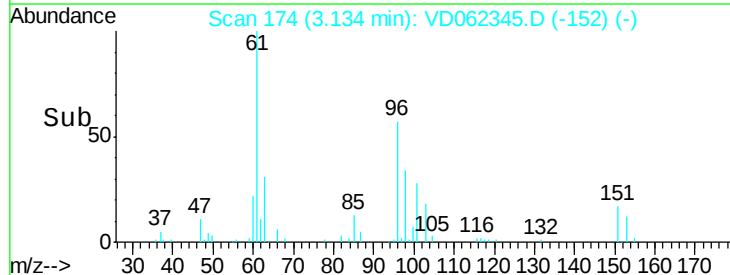
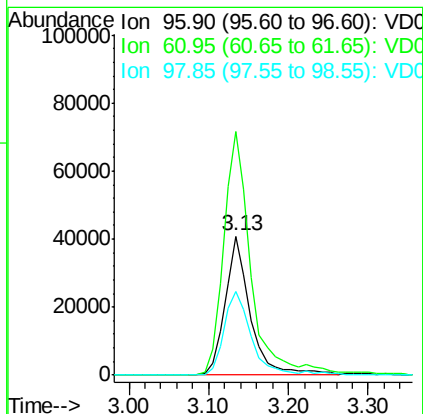
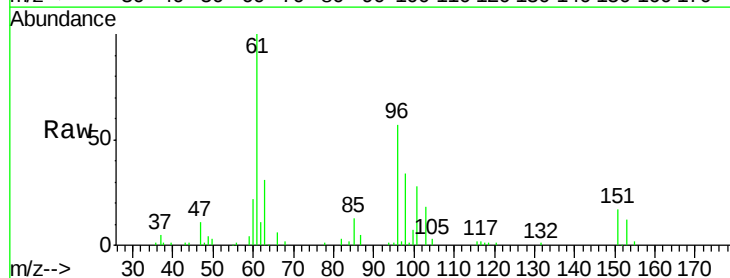
Tot Ion: 59 Resp: 31248
 Ion Ratio Lower Upper
 59 100
 57 7.1 6.9 10.3

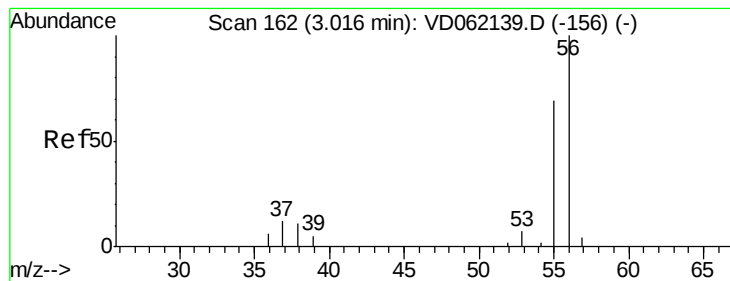


#12

1,1-Dichloroethene
 Concen: 18.446 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.02 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Tgt Ion: 96 Resp: 90673
 Ion Ratio Lower Upper
 96 100
 61 175.0 129.8 194.8
 98 60.1 51.2 76.8





#13

Acrolein

Concen: 73.852 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

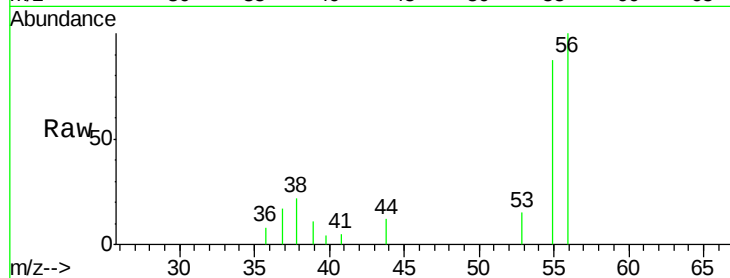
VD0514SBSD01

Tot Ion: 56 Resp: 23360

Ion Ratio Lower Upper

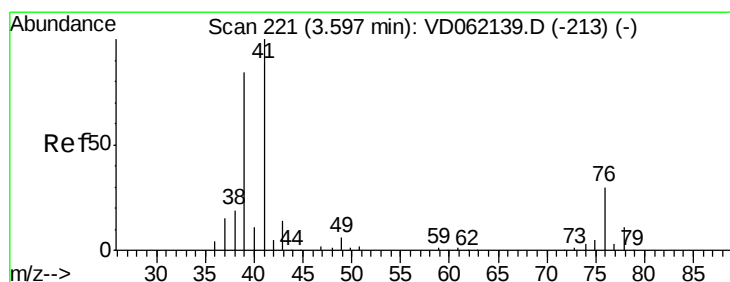
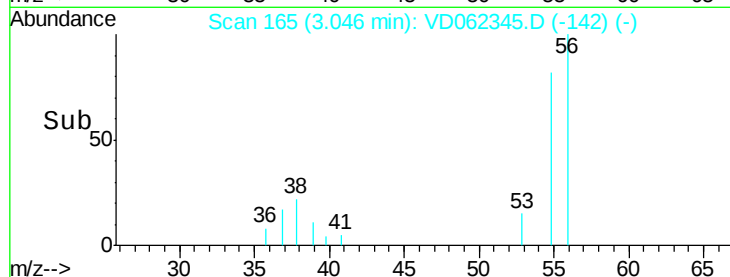
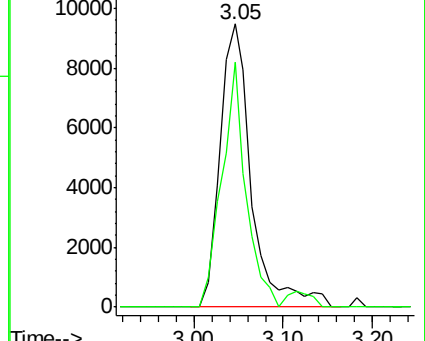
56 100

55 86.7 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: 18.340 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

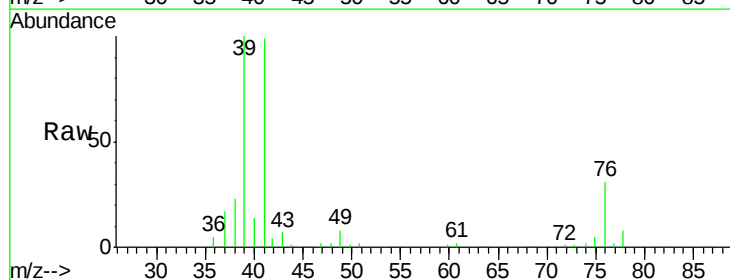
Tgt Ion: 41 Resp: 131082

Ion Ratio Lower Upper

41 100

39 100.8 60.5 90.7#

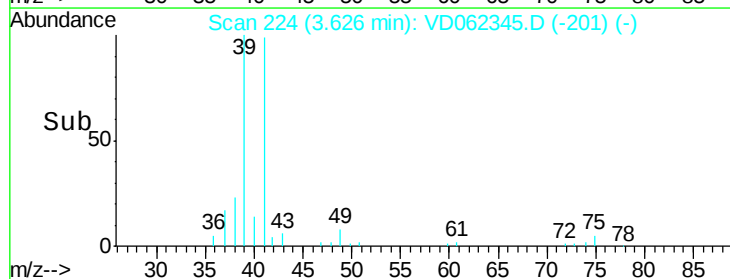
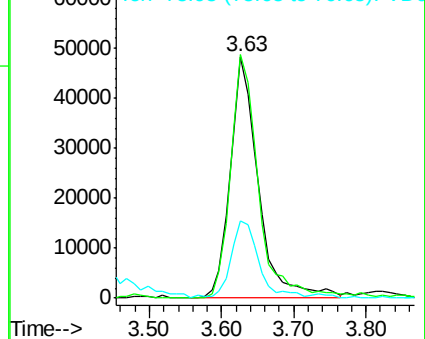
76 31.7 31.8 47.8#



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: 94.601 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

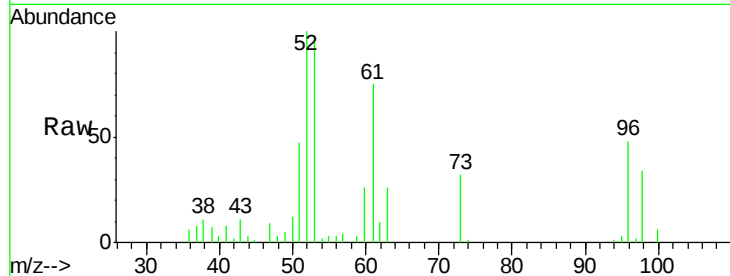
Tot Ion: 53 Resp: 76043

Ion Ratio Lower Upper

53 100

52 102.9 65.0 97.4#

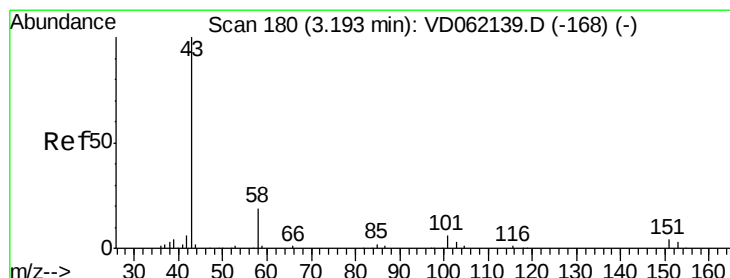
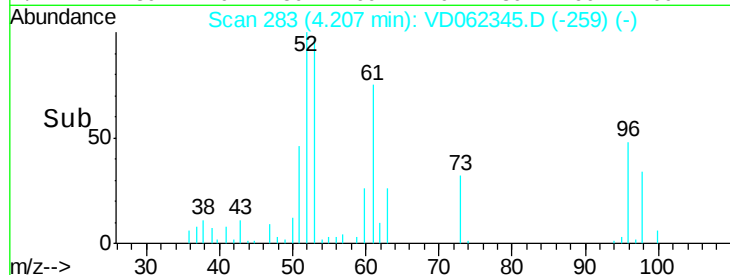
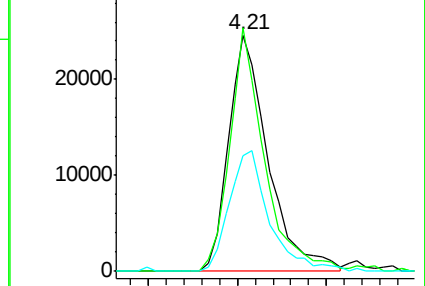
51 48.7 32.6 48.8



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: 103.280 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062345.D

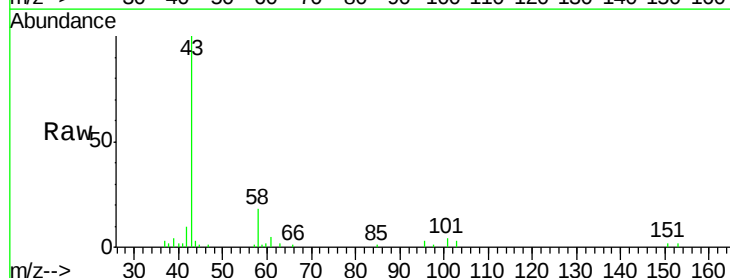
Acq: 14 May 2019 14:40

Tgt Ion: 43 Resp: 129763

Ion Ratio Lower Upper

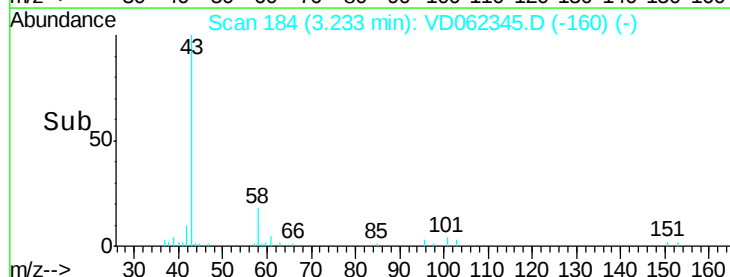
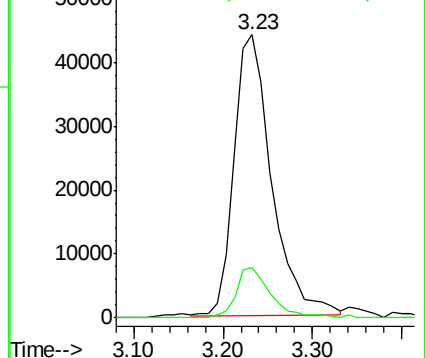
43 100

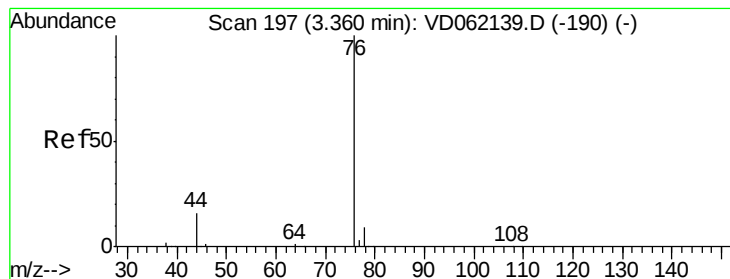
58 17.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 14.722 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

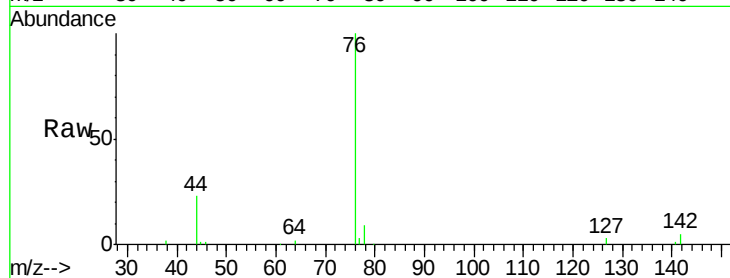
VD0514SBSD01

Tot Ion: 76 Resp: 208180

Ion Ratio Lower Upper

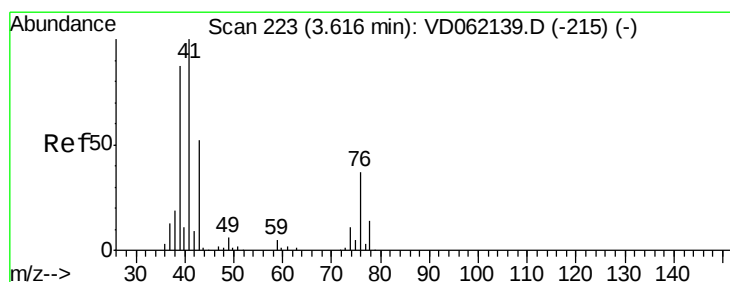
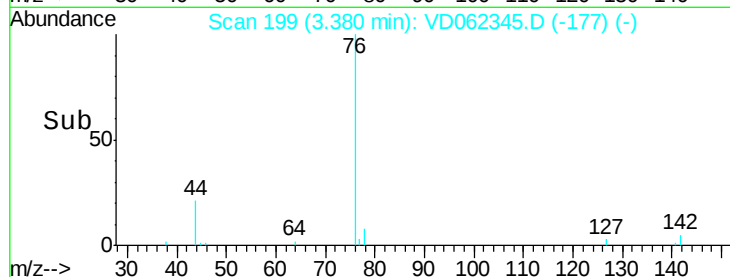
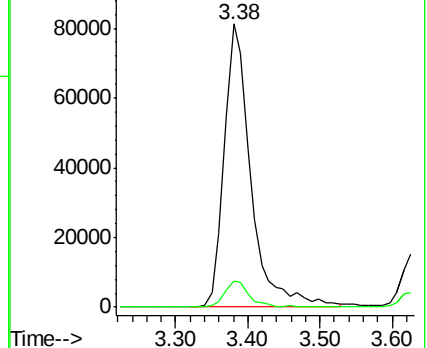
76 100

78 9.4 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: 19.182 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD062345.D

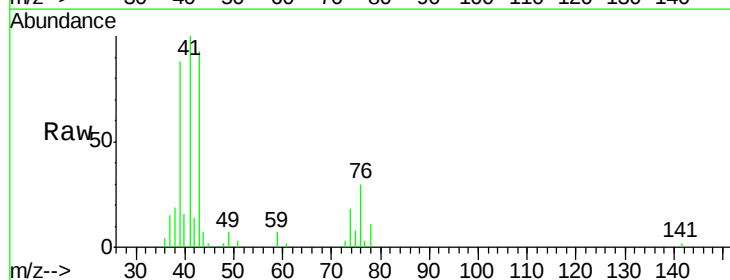
Acq: 14 May 2019 14:40

Tgt Ion: 43 Resp: 43523

Ion Ratio Lower Upper

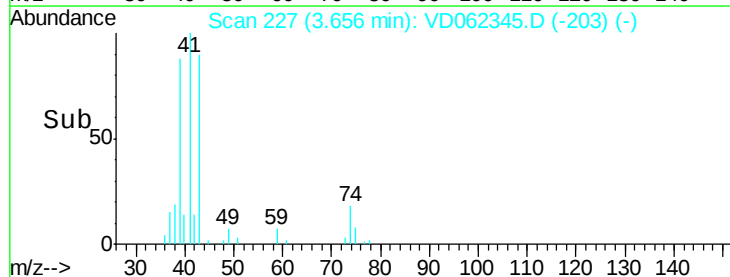
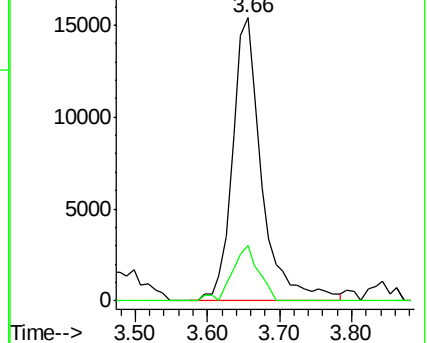
43 100

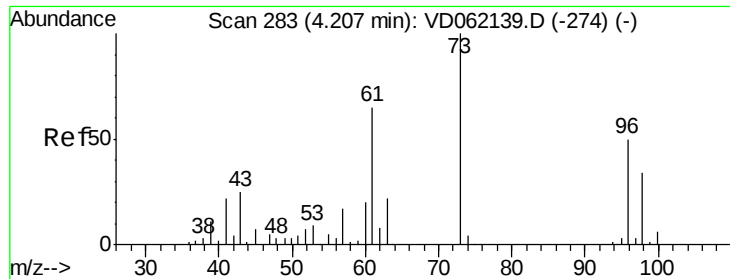
74 19.8 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

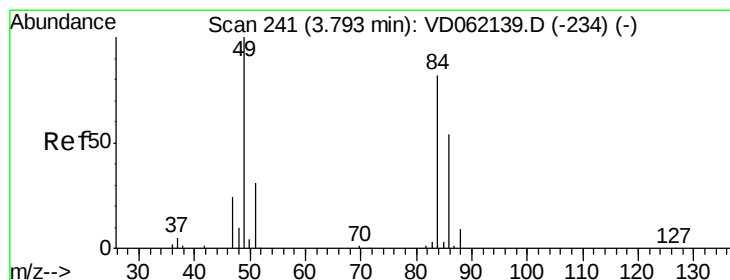
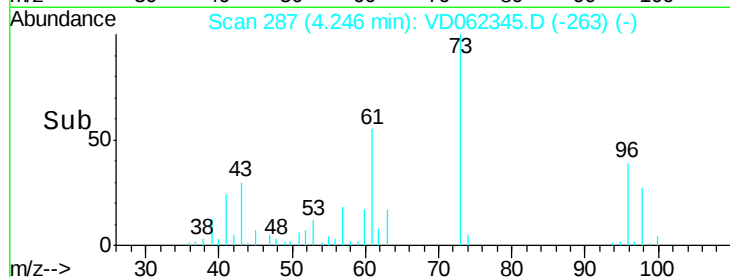
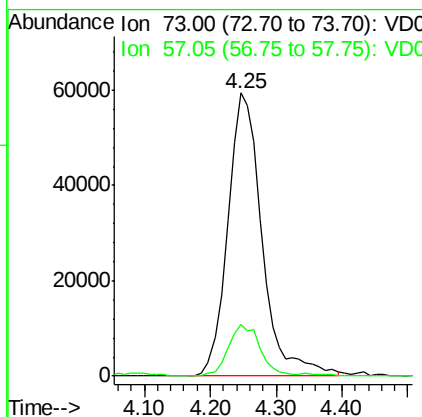
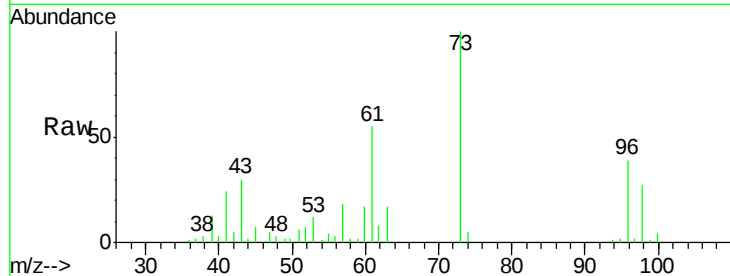




#19
Methvl tert-butvl Ether
Concen: 20.511 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

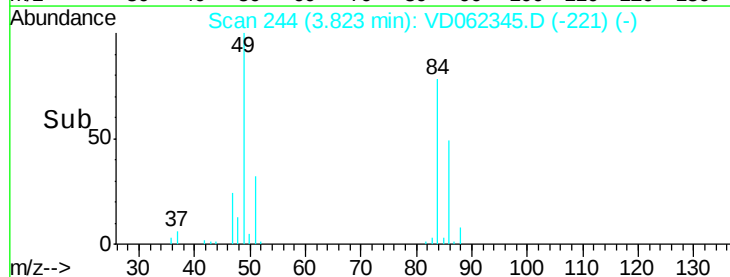
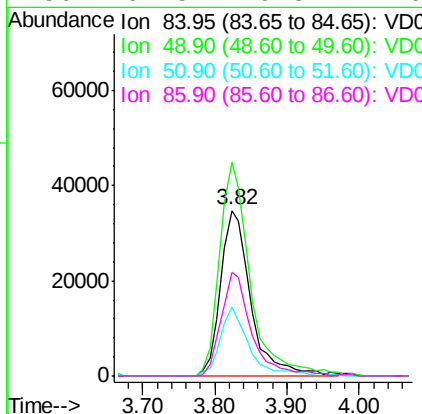
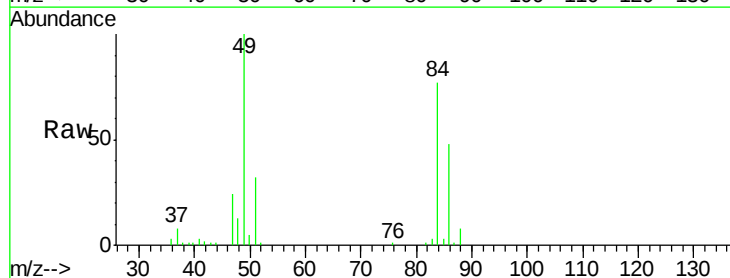
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

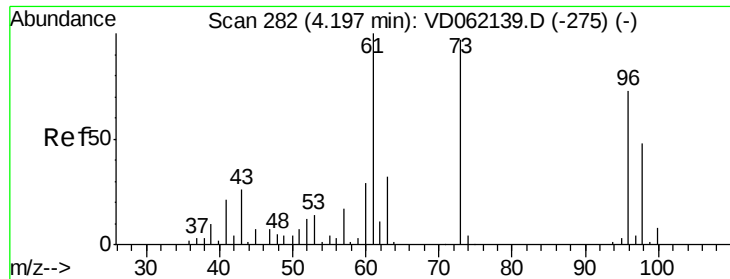
Tot Ion: 73 Resp: 216114
Ion Ratio Lower Upper
73 100
57 18.5 16.3 24.5



#20
Methylene Chloride
Concen: 19.265 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 84 Resp: 101065
Ion Ratio Lower Upper
84 100
49 129.2 94.0 141.0
51 41.5 29.0 43.4
86 62.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.426 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

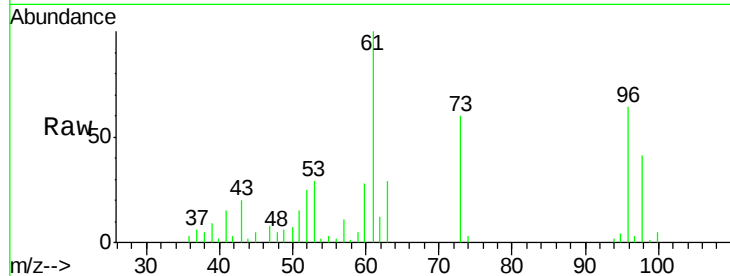
Tot Ion: 96 Resp: 100792

Ion Ratio Lower Upper

96 100

61 155.7 104.4 156.6

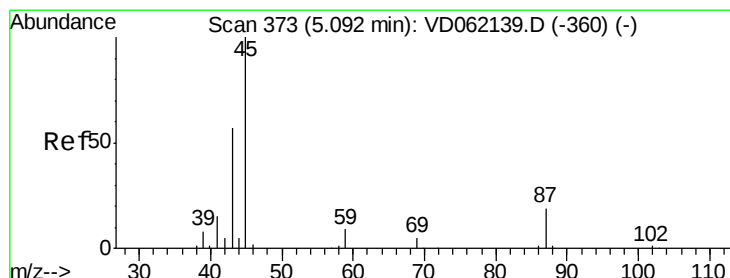
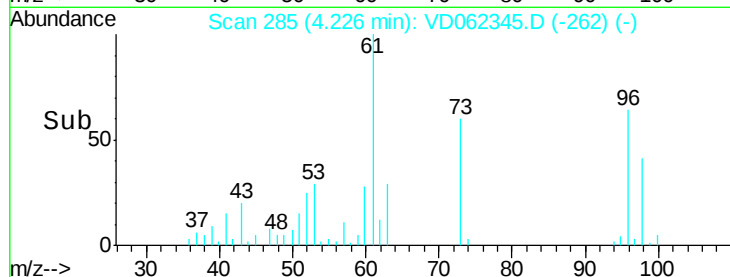
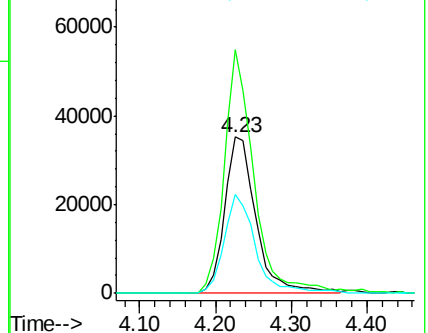
98 63.1 51.8 77.8



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: 19.628 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Tgt Ion: 45 Resp: 298531

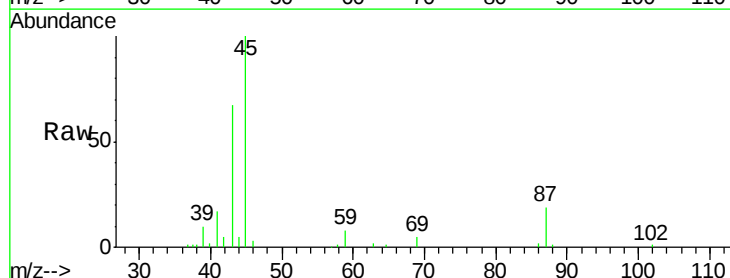
Ion Ratio Lower Upper

45 100

43 66.7 46.2 69.2

87 19.0 15.9 23.9

59 8.0 7.9 11.9

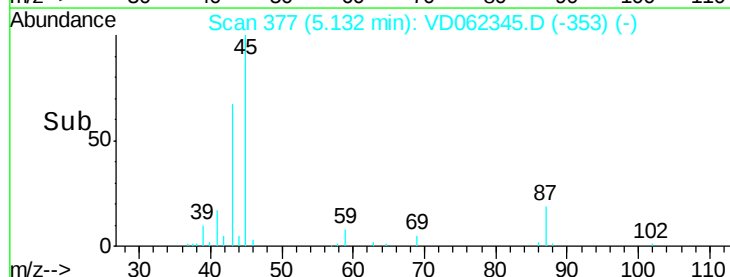
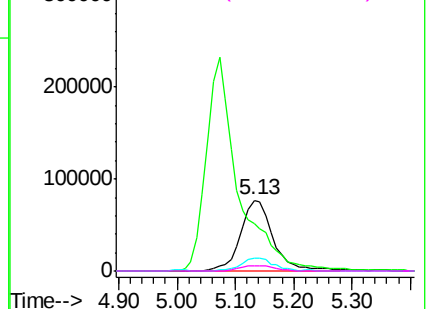


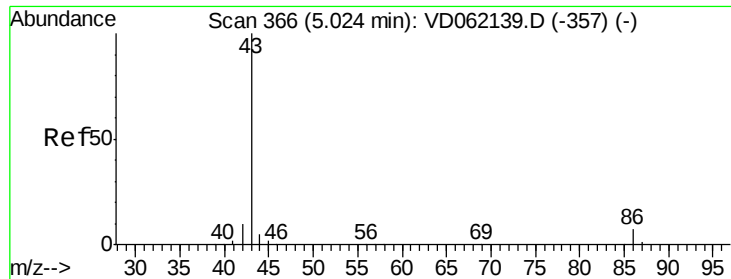
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 108.972 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

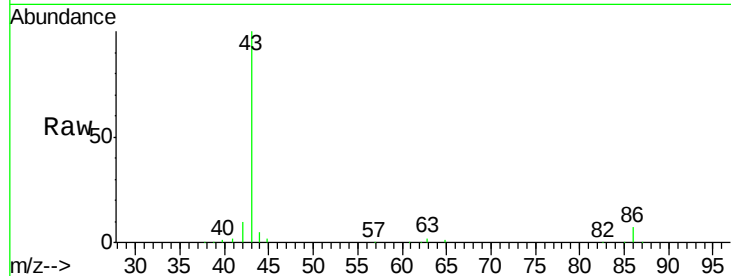
VD0514SBSD01

Tot Ion: 43 Resp: 874460

Ion Ratio Lower Upper

43 100

86 6.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

250000

200000

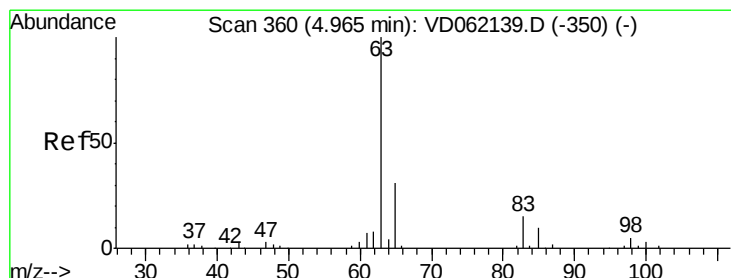
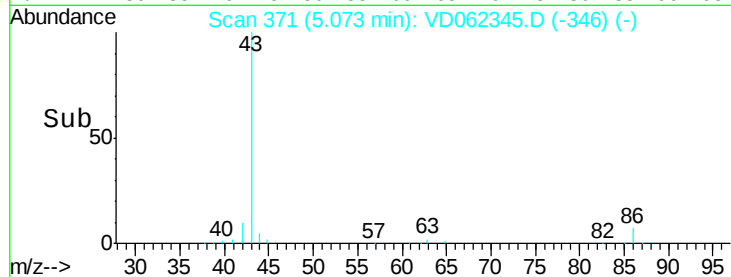
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 19.985 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

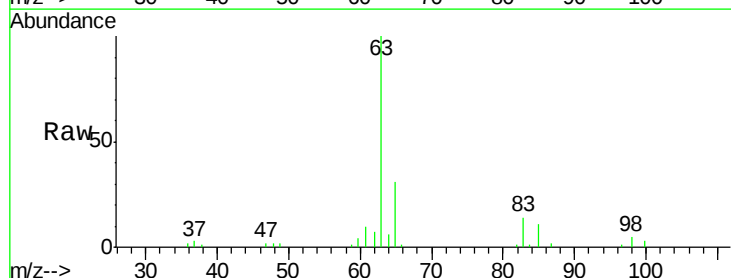
Tgt Ion: 63 Resp: 183370

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

100 3.3 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

4.99

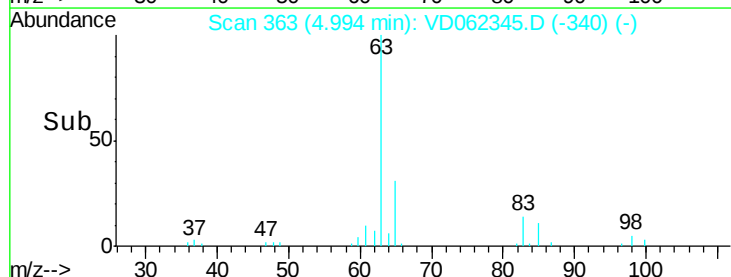
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 106.501 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

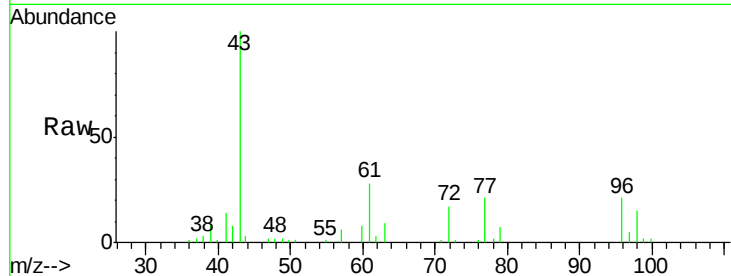
VD0514SBSD01

Tot Ion: 43 Resp: 145955

Ion Ratio Lower Upper

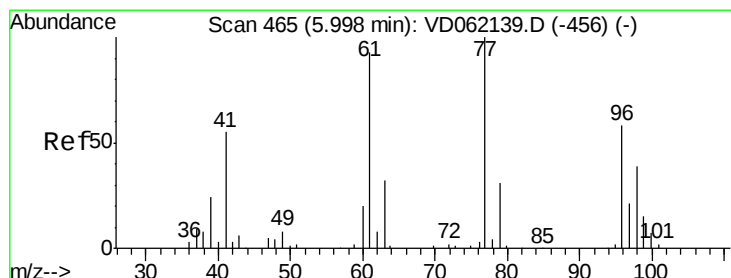
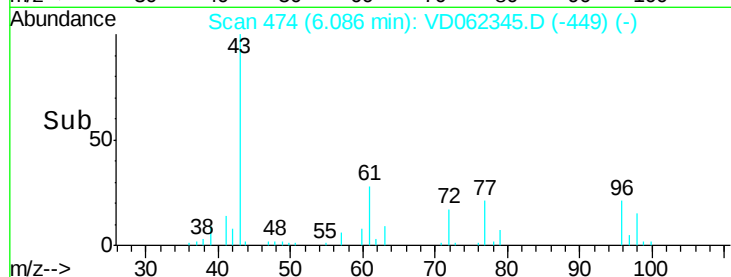
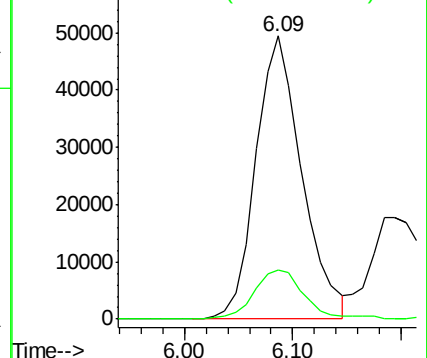
43 100

72 17.2 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: 23.093 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062345.D

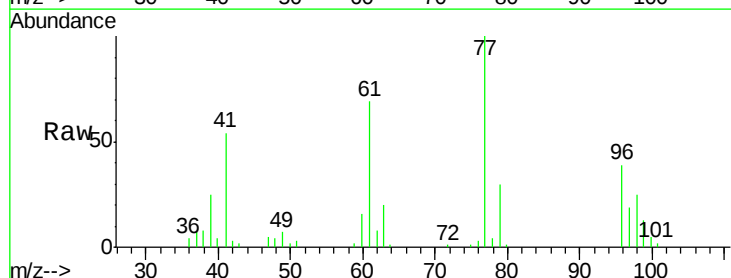
Acq: 14 May 2019 14:40

Tgt Ion: 77 Resp: 211060

Ion Ratio Lower Upper

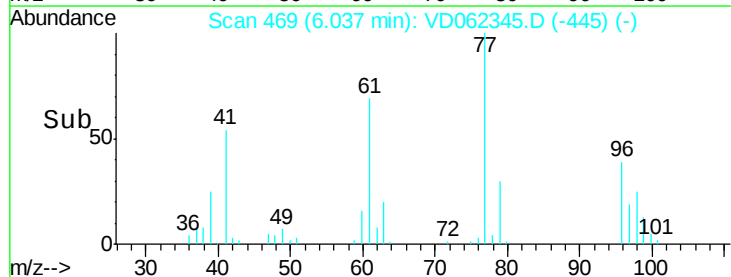
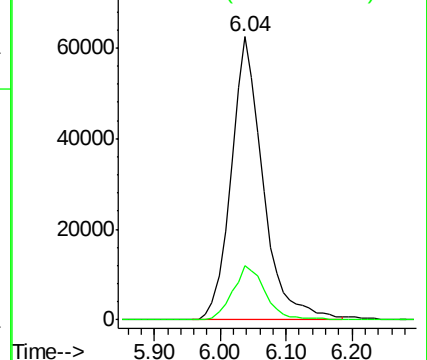
77 100

97 19.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



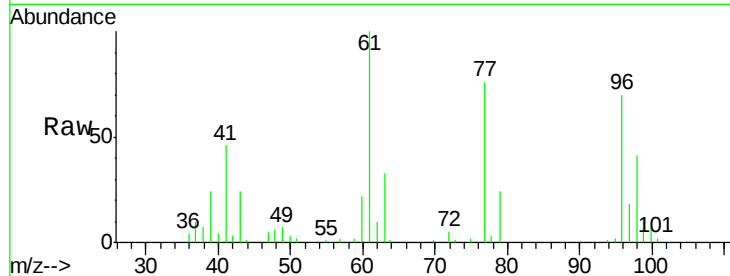


#27

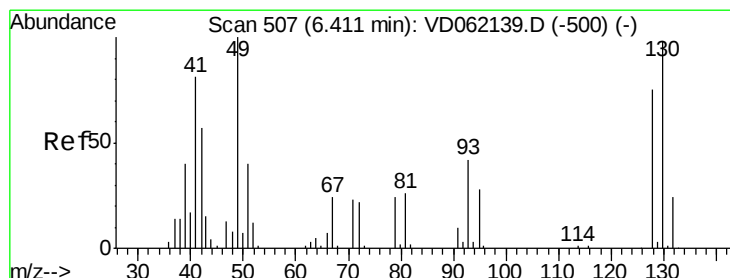
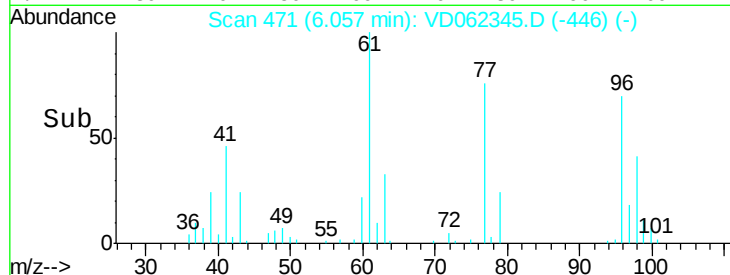
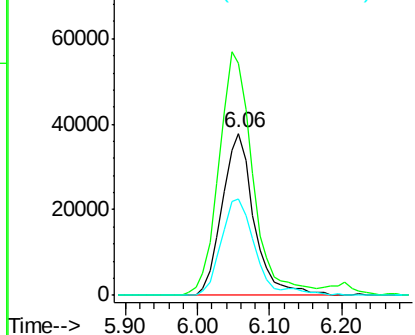
cis-1,2-Dichloroethene
 Concen: 18.998 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.05 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0514SBSD01

Tot Ion: 96 Resp: 116319
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 279.8
 98 59.6 0.0 136.0



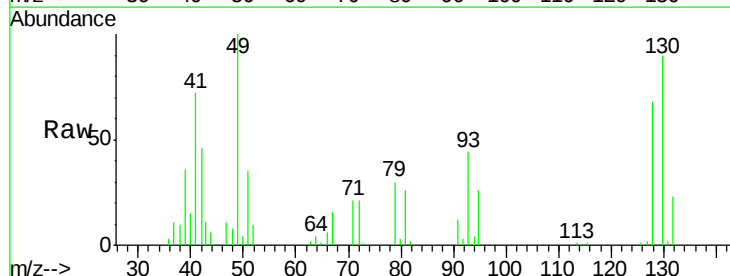
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



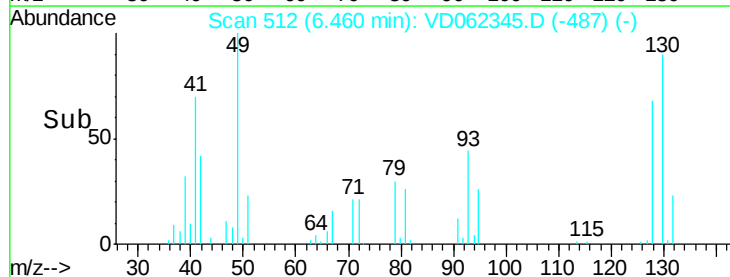
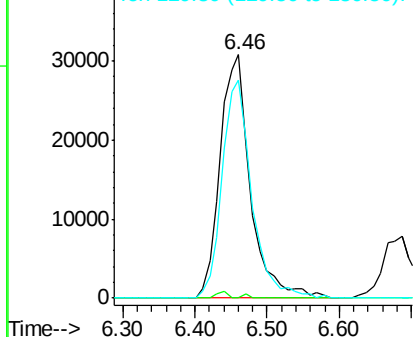
#28

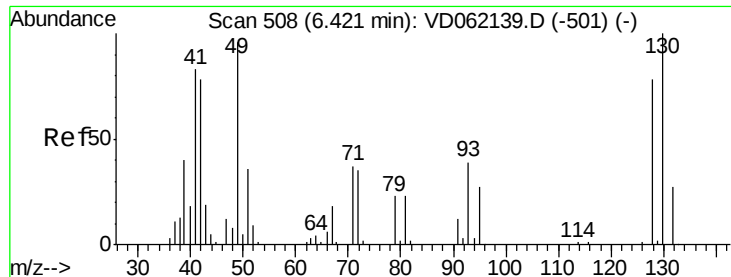
Bromochloromethane
 Concen: 24.706 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.05 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Tgt Ion: 49 Resp: 89187
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 89.7 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

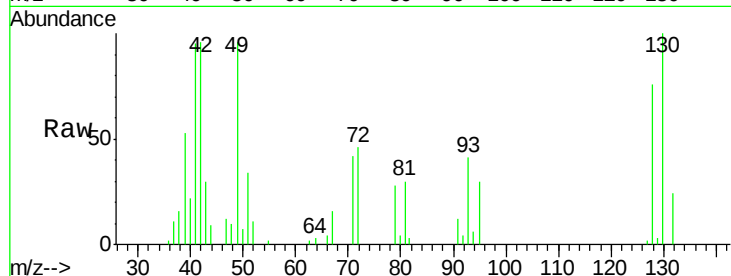




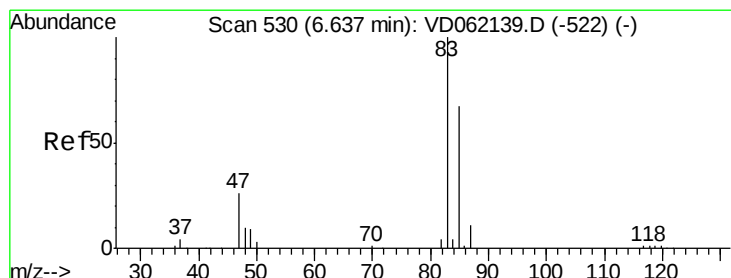
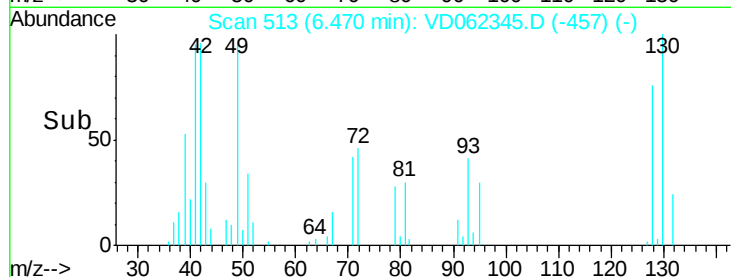
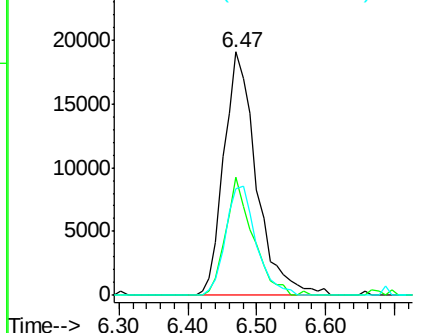
#29
Tetrahydrofuran
Concen: 99.163 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion: 42 Resp: 62616
Ion Ratio Lower Upper
42 100
72 40.1 37.8 56.6
71 41.9 36.7 55.1

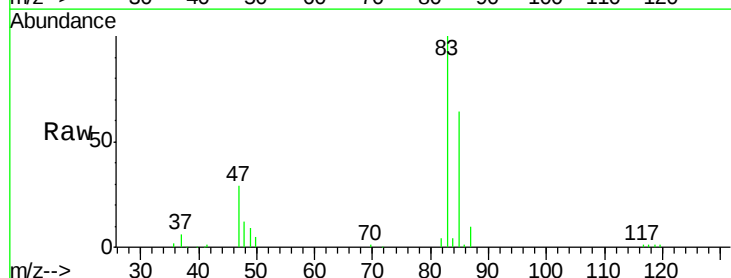


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

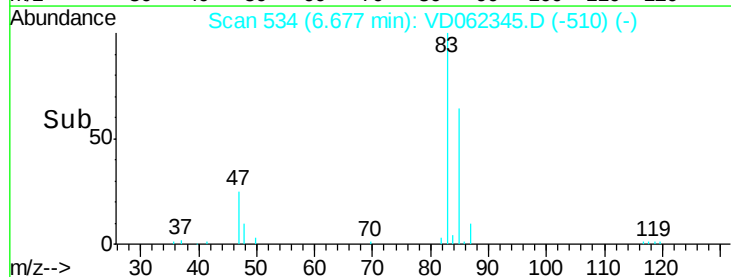
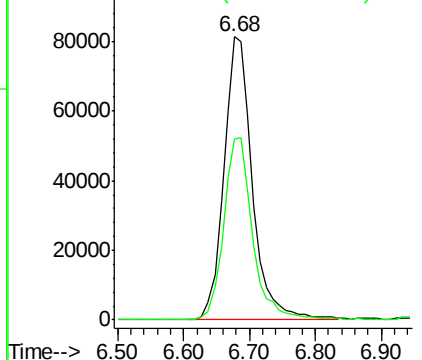


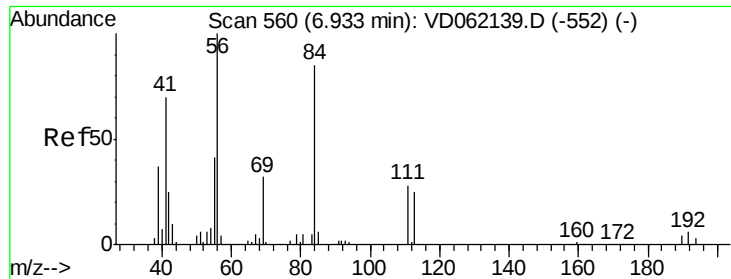
#30
Chloroform
Concen: 22.162 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 83 Resp: 245063
Ion Ratio Lower Upper
83 100
85 64.1 51.7 77.5



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

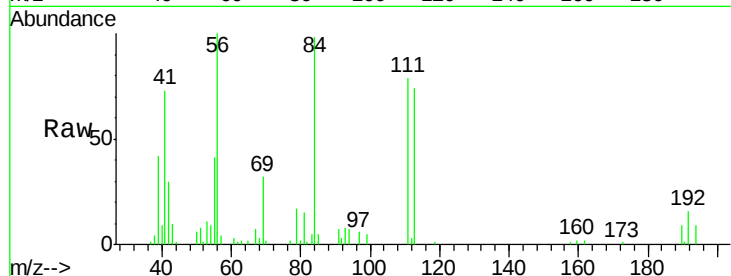




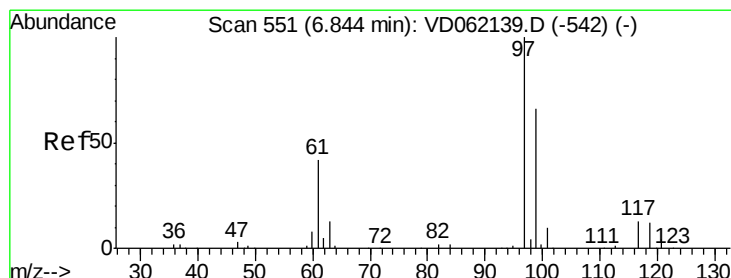
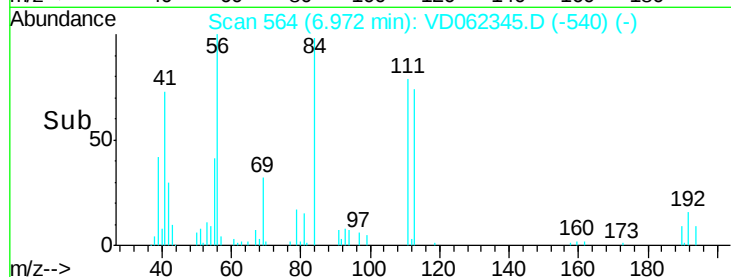
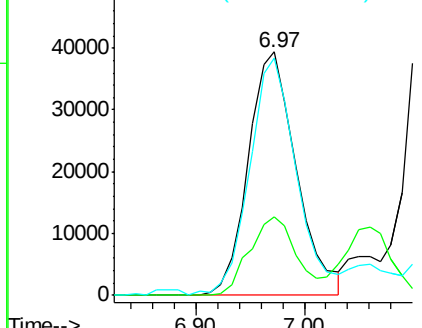
#31
Cvclohexane
Concen: 19.306 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion: 56 Resp: 121358
Ion Ratio Lower Upper
56 100
69 32.4 25.8 38.6
84 97.7 72.2 108.4

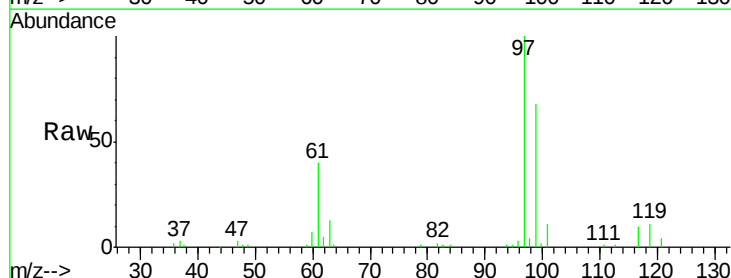


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

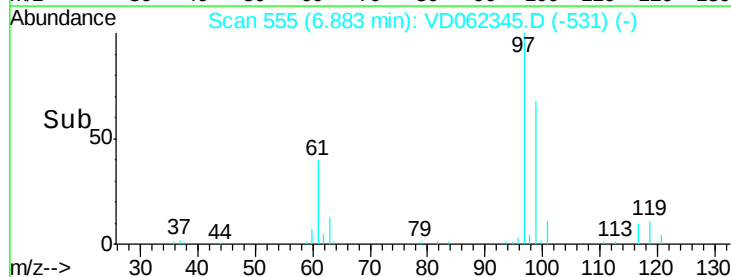
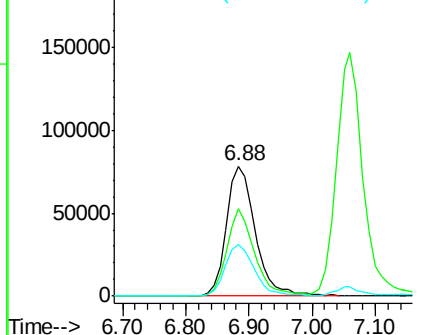


#32
1,1,1-Trichloroethane
Concen: 23.765 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 97 Resp: 248383
Ion Ratio Lower Upper
97 100
99 67.8 52.2 78.2
61 39.8 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: 50.653 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

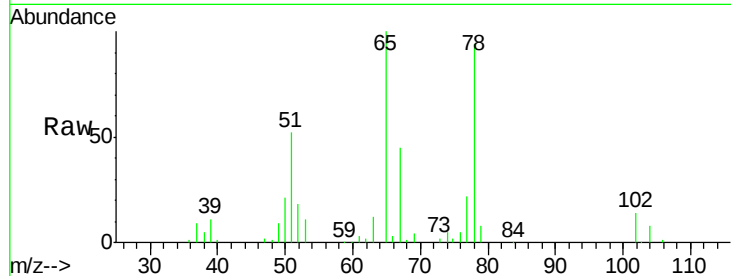
VD0514SBSD01

Tot Ion: 65 Resp: 303472

Ion Ratio Lower Upper

65 100

67 45.1 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

120000

100000

80000

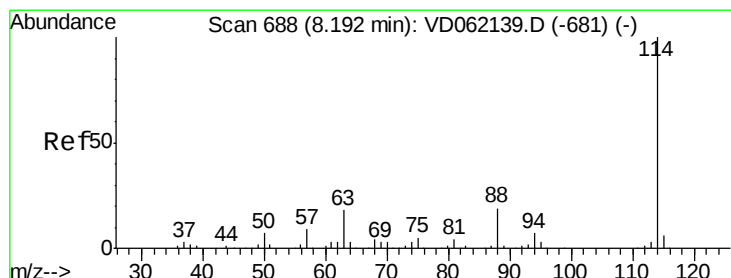
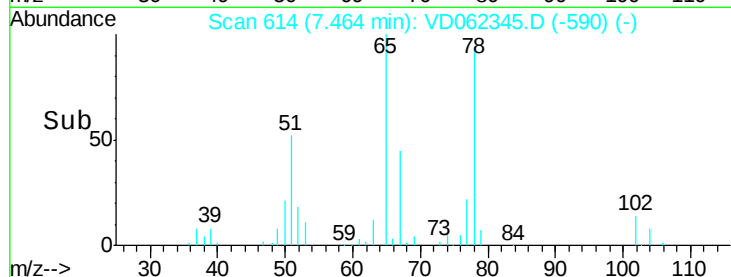
60000

40000

20000

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: VD062345.D

Acq: 14 May 2019 14:40

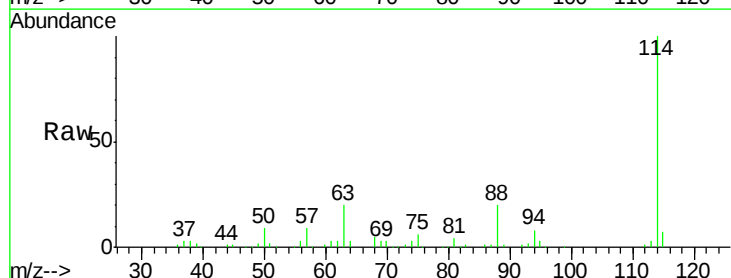
Tgt Ion: 114 Resp: 863153

Ion Ratio Lower Upper

114 100

63 19.8 0.0 32.4

88 19.5 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

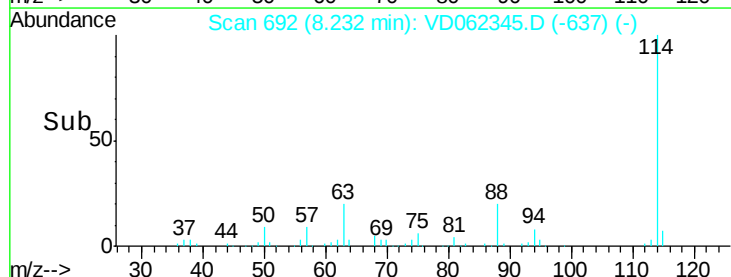
300000

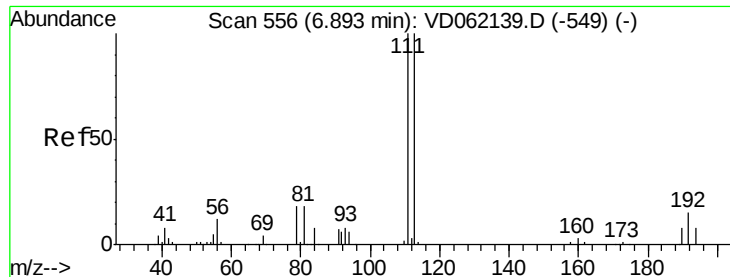
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.981 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

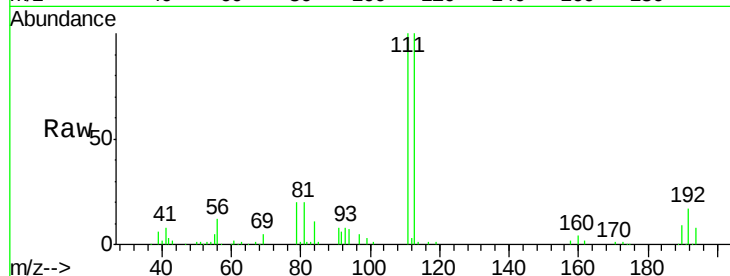
Tot Ion:113 Resp: 343624

Ion Ratio Lower Upper

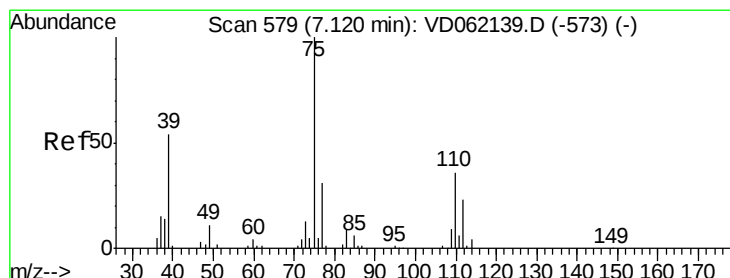
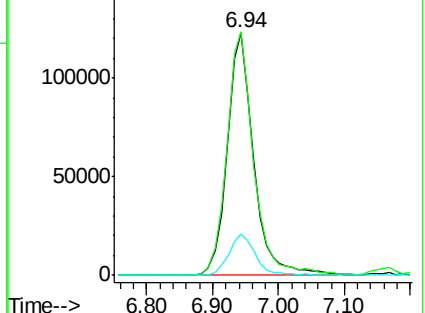
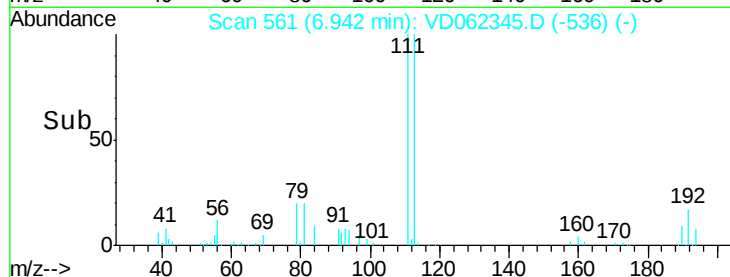
113 100

111 100.2 78.5 117.7

192 17.1 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: 22.045 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

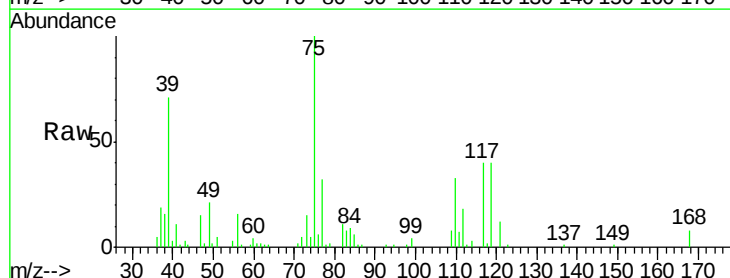
Tgt Ion: 75 Resp: 156013

Ion Ratio Lower Upper

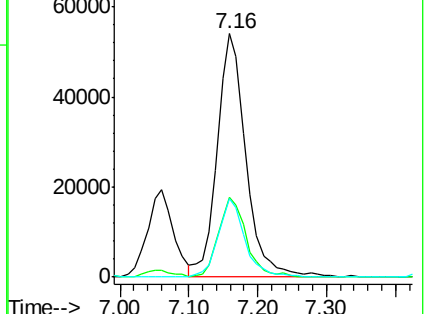
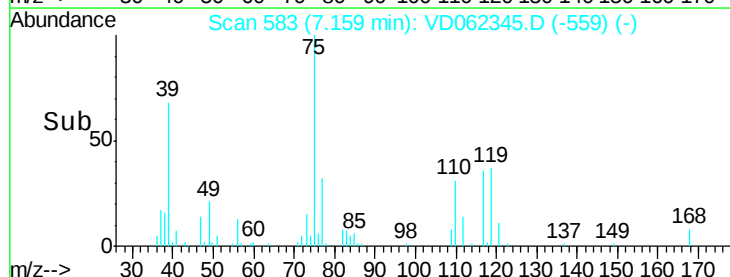
75 100

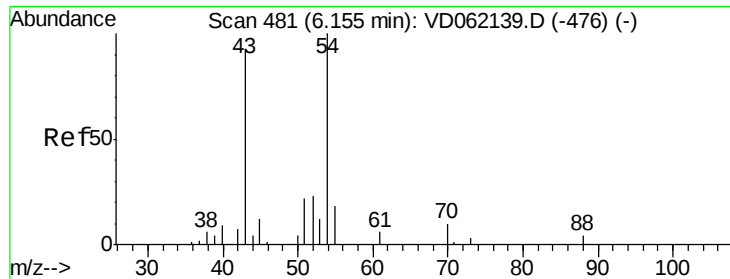
110 32.6 19.1 57.1

77 32.4 25.6 38.4



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

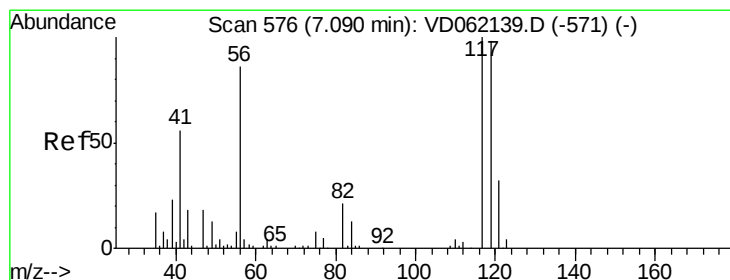
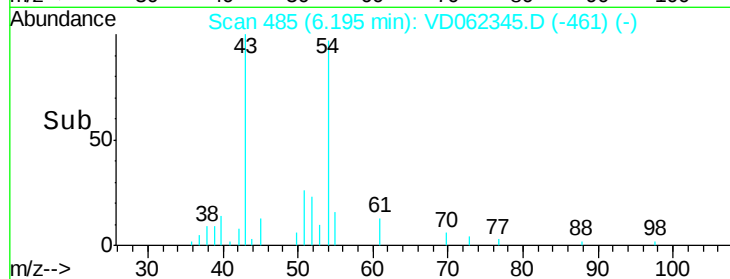
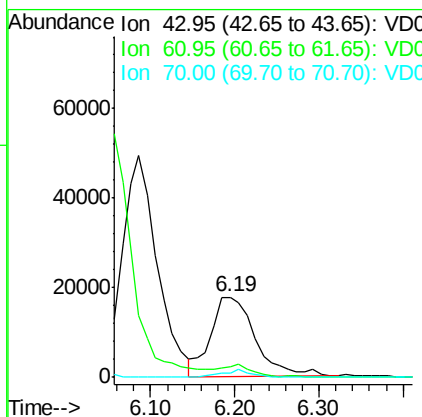
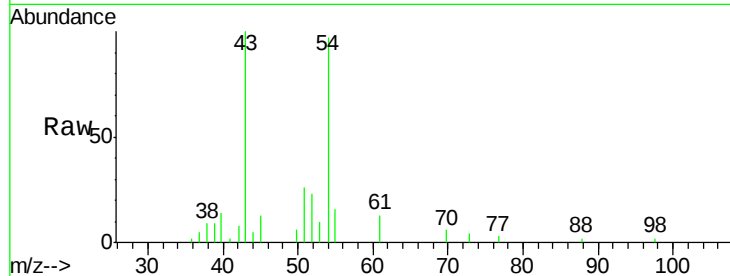




#37
 Ethyl Acetate
 Concen: 21.439 ug/l
 RT: 6.19 min Scan# 485
 Delta R.T. 0.04 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

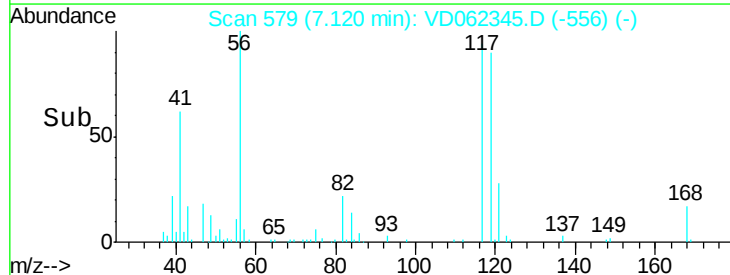
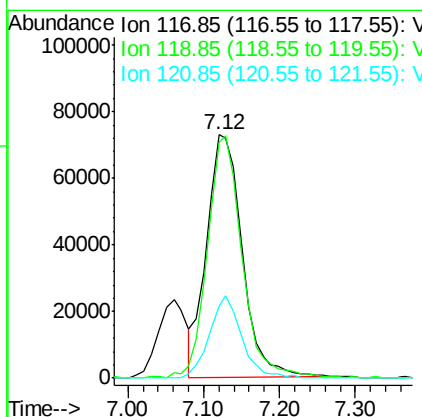
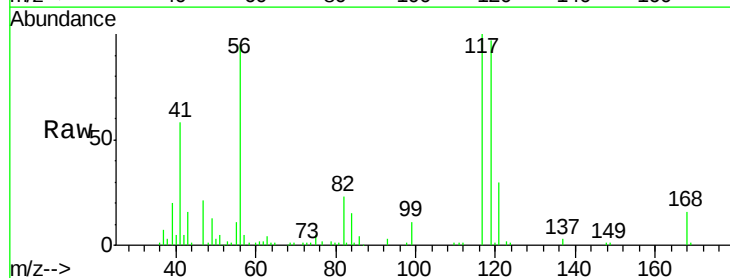
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD01

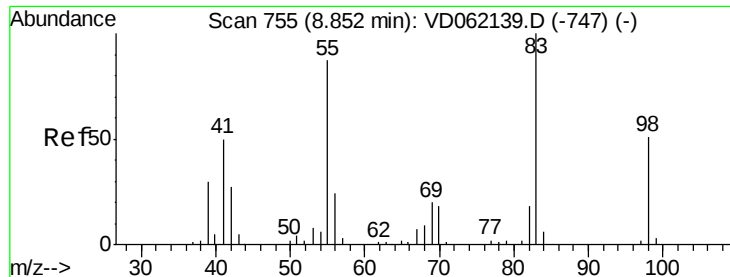
Tot Ion: 43 Resp: 64344
 Ion Ratio Lower Upper
 43 100
 61 12.7 14.7 22.1#
 70 5.9 7.8 11.6#



#38
 Carbon Tetrachloride
 Concen: 24.411 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. 0.03 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Tgt Ion: 117 Resp: 239116
 Ion Ratio Lower Upper
 117 100
 119 96.7 75.8 113.8
 121 29.7 25.9 38.9

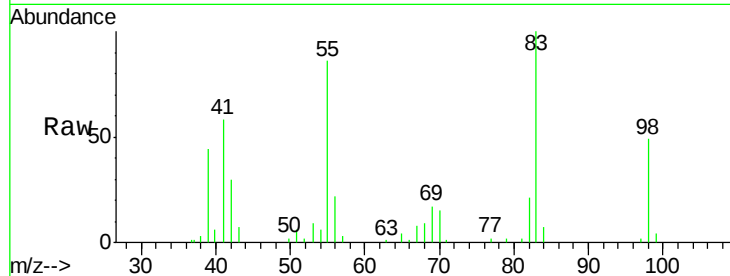




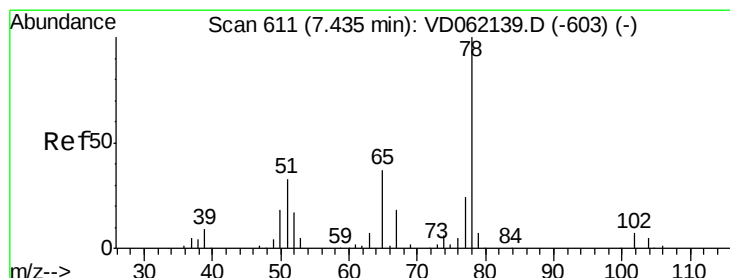
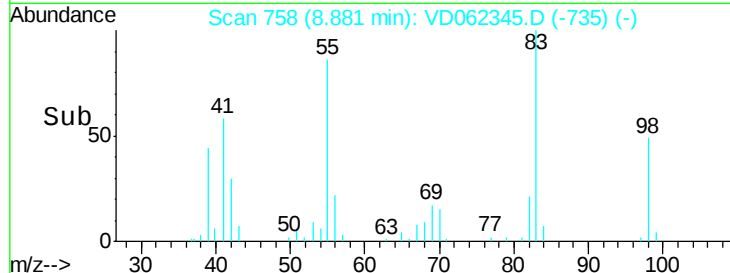
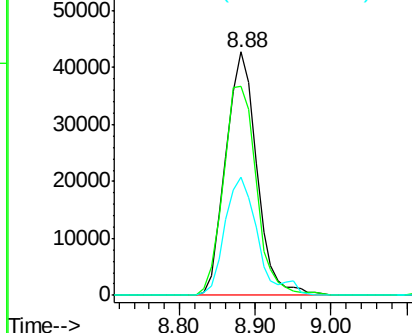
#39
Methvlcvclohexane
Concen: 17.967 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion: 83 Resp: 121830
Ion Ratio Lower Upper
83 100
55 85.8 68.2 102.4
98 48.6 38.2 57.4

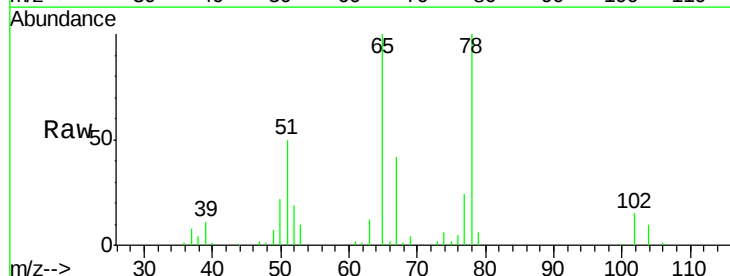


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

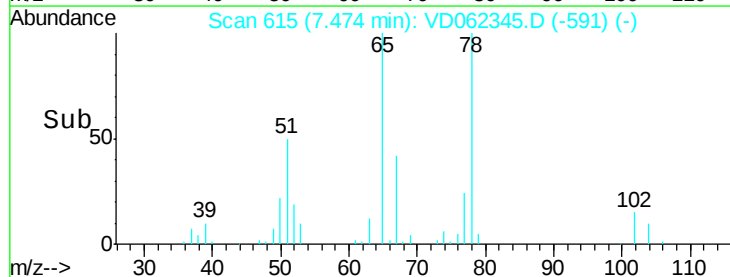
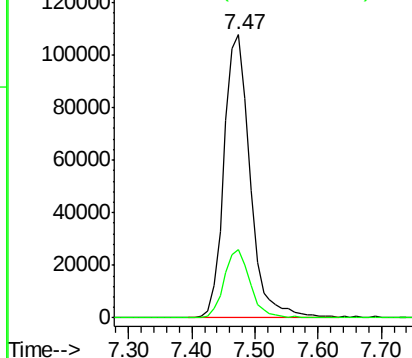


#40
Benzene
Concen: 19.317 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 78 Resp: 308693
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

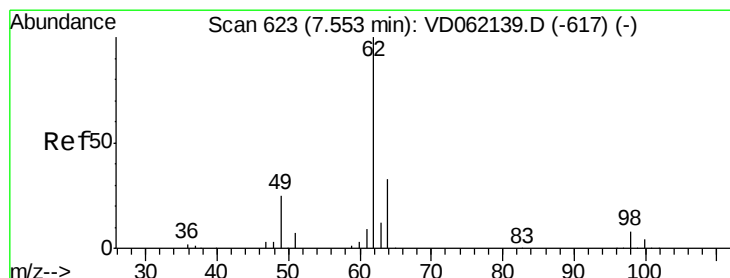
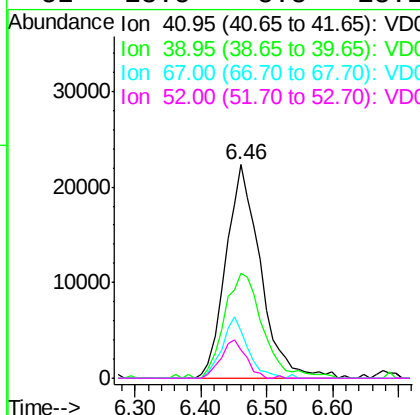
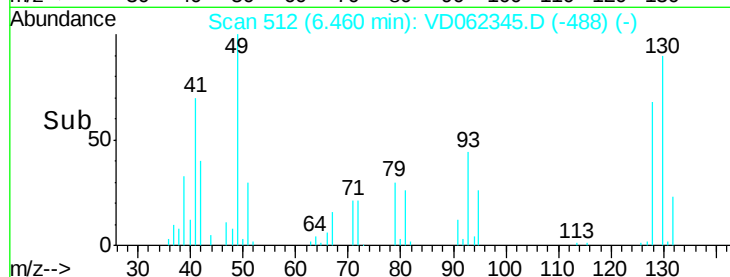
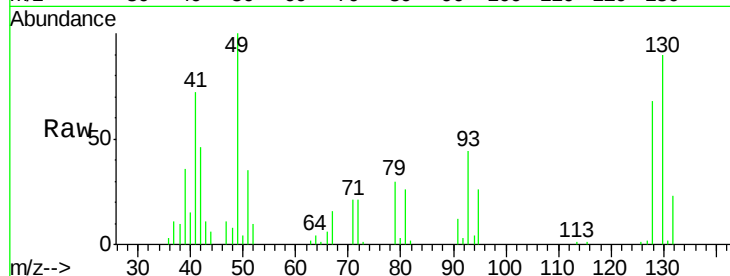




#41
Methacrylonitrile
Concen: 22.387 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

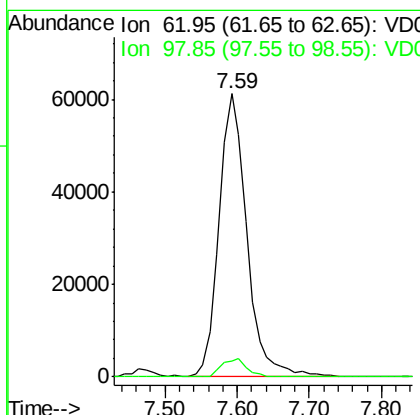
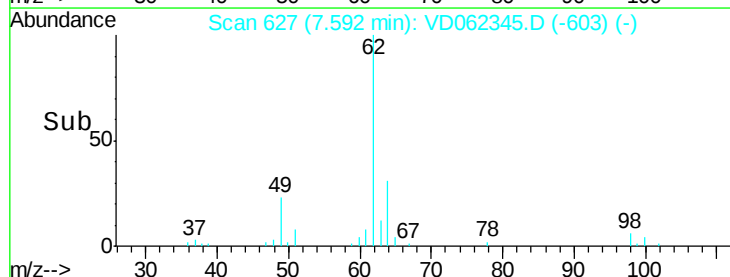
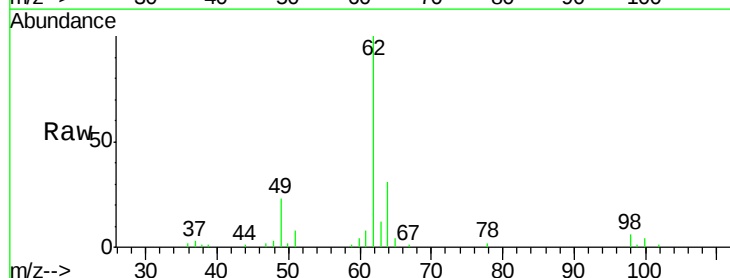
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

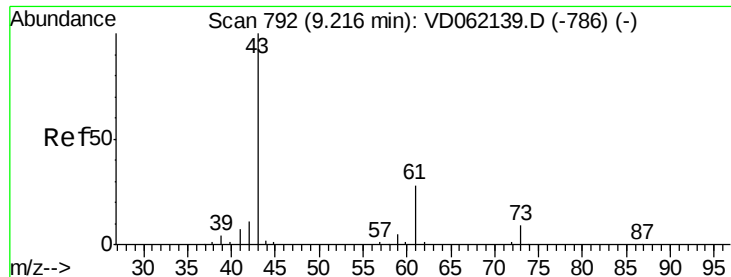
Tot Ion: 41 Resp: 82109
Ion Ratio Lower Upper
41 100
39 49.1 34.1 51.1
67 22.2 23.8 35.6#
52 13.5 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 24.107 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 62 Resp: 163227
Ion Ratio Lower Upper
62 100
98 5.8 0.0 17.8





#43

Isopropyl Acetate

Concen: 19.615 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

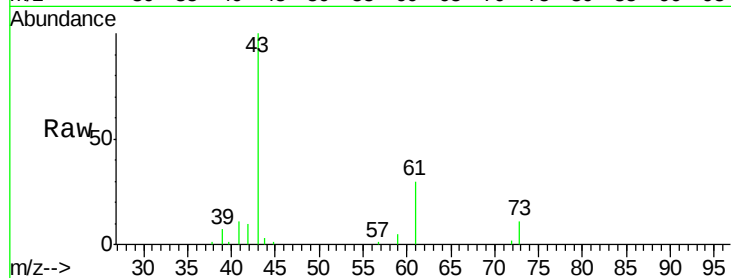
Tot Ion: 43 Resp: 83489

Ion Ratio Lower Upper

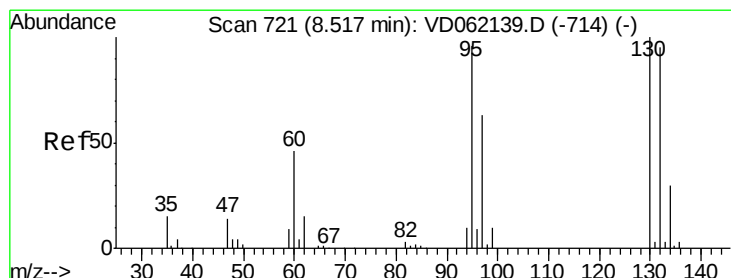
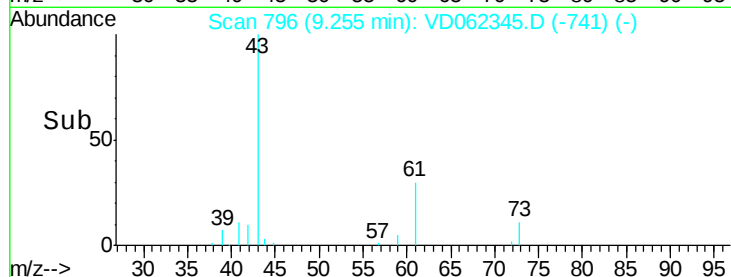
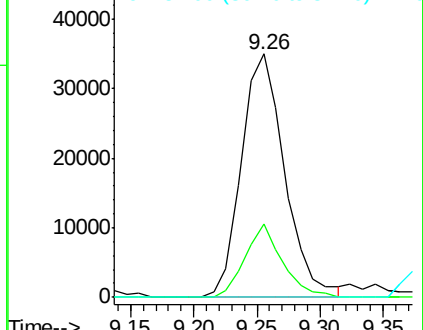
43 100

61 30.4 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: 19.459 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.04 min

Lab File: VD062345.D

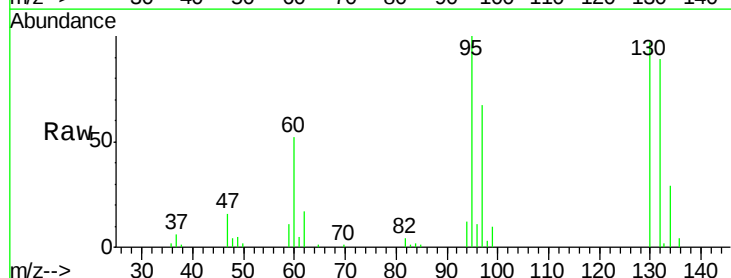
Acq: 14 May 2019 14:40

Tgt Ion:130 Resp: 118496

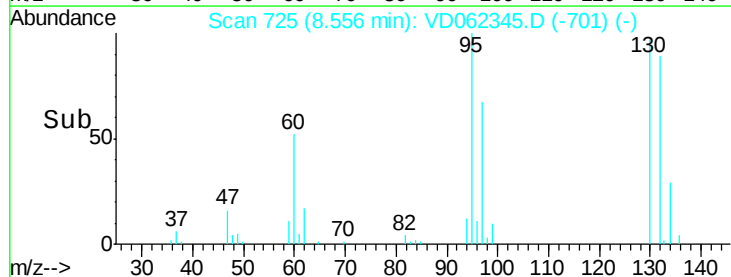
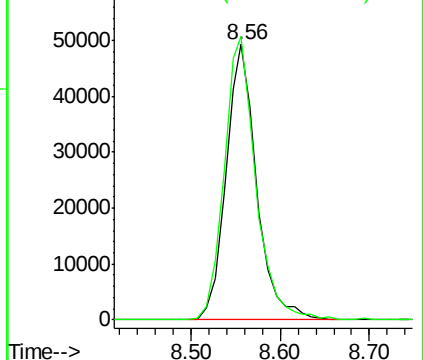
Ion Ratio Lower Upper

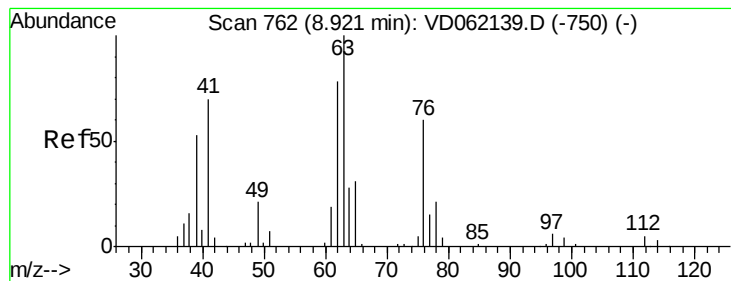
130 100

95 102.8 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: 19.238 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

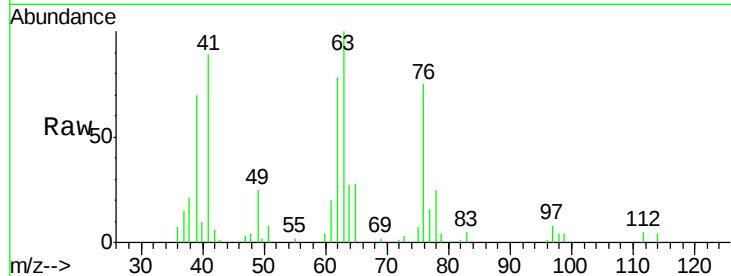
VD0514SBSD01

Tot Ion: 63 Resp: 76045

Ion Ratio Lower Upper

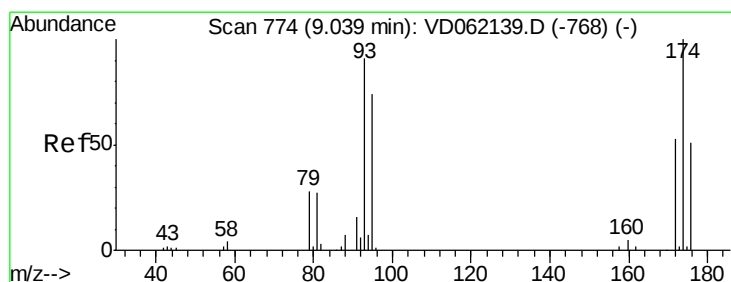
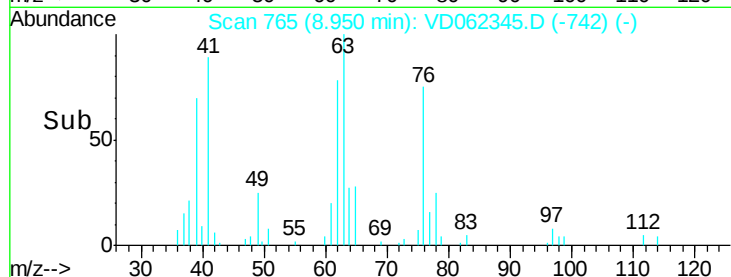
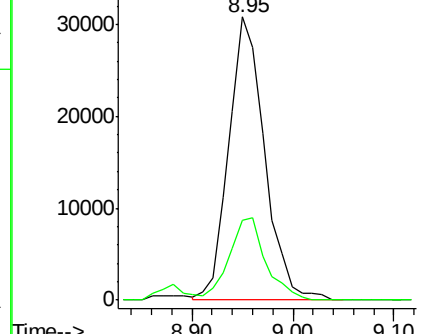
63 100

65 28.3 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: 20.912 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

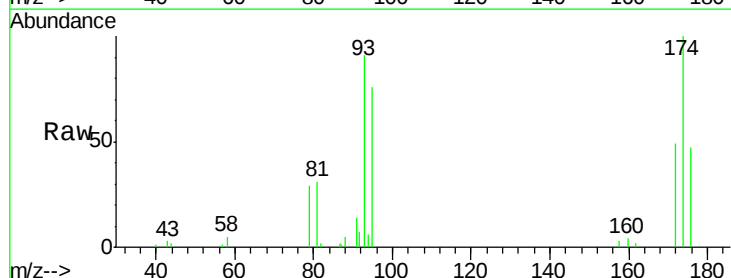
Tgt Ion: 93 Resp: 67219

Ion Ratio Lower Upper

93 100

95 83.7 64.8 97.2

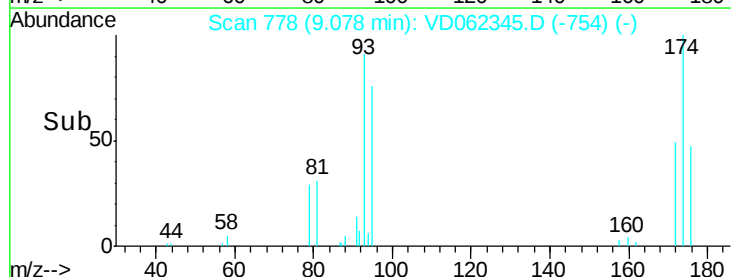
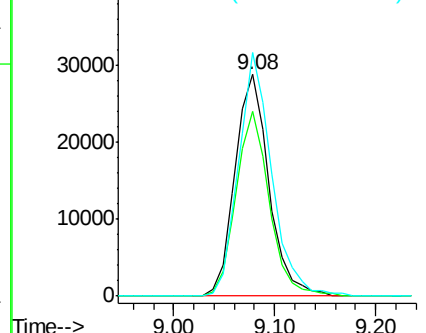
174 110.0 79.3 118.9

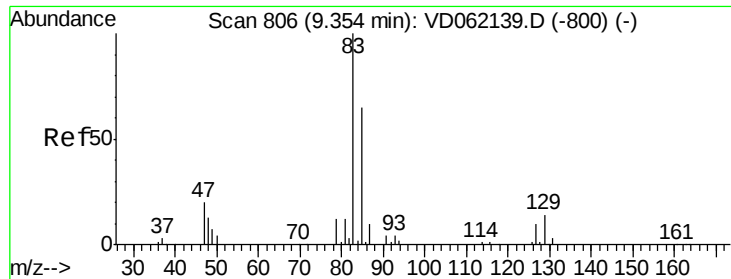


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.077 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

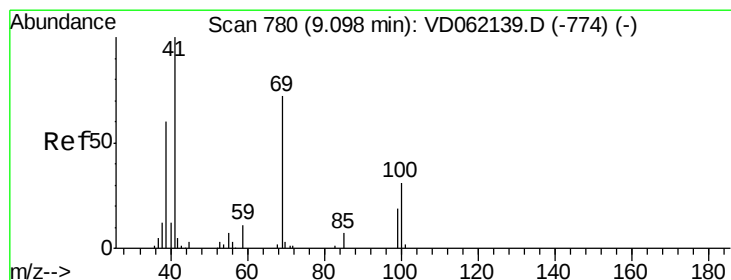
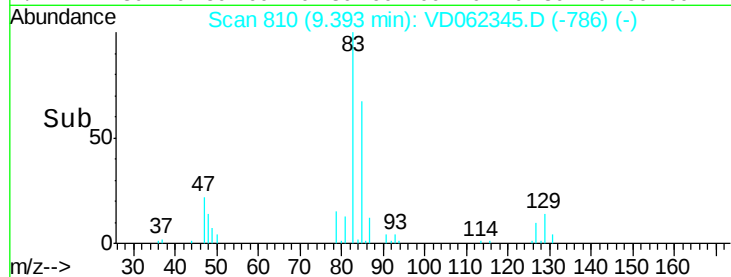
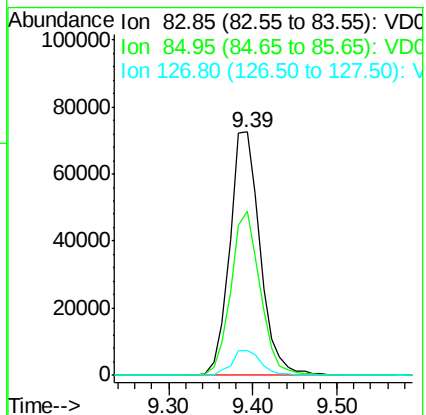
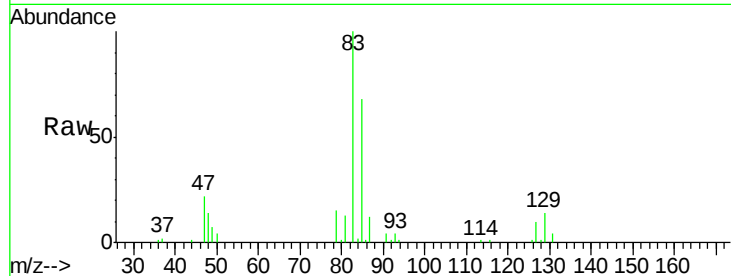
Tot Ion: 83 Resp: 181448

Ion Ratio Lower Upper

83 100

85 67.7 50.9 76.3

127 9.9 8.1 12.1



#48

Methyl methacrylate

Concen: 22.012 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

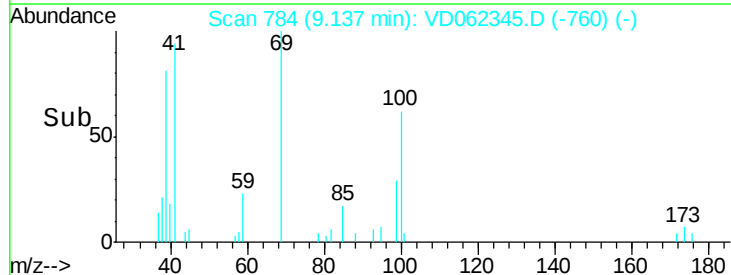
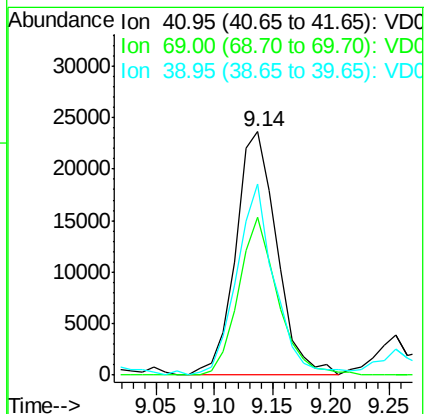
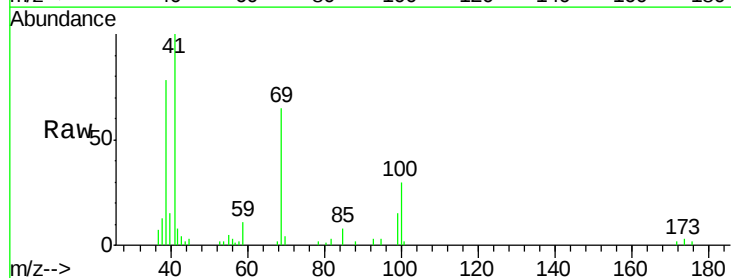
Tgt Ion: 41 Resp: 57712

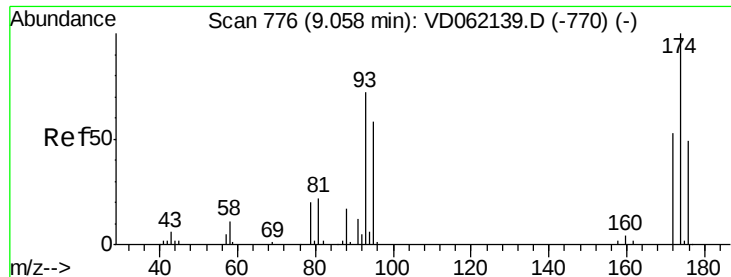
Ion Ratio Lower Upper

41 100

69 65.0 64.2 96.2

39 78.3 46.8 70.2#

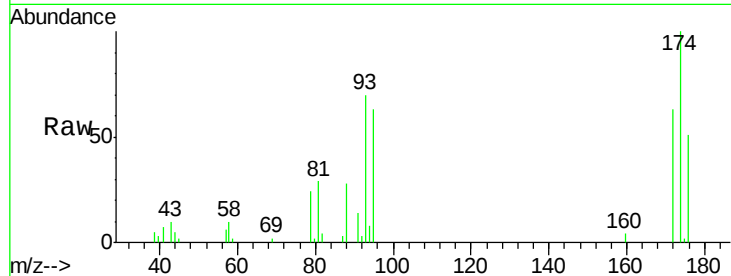




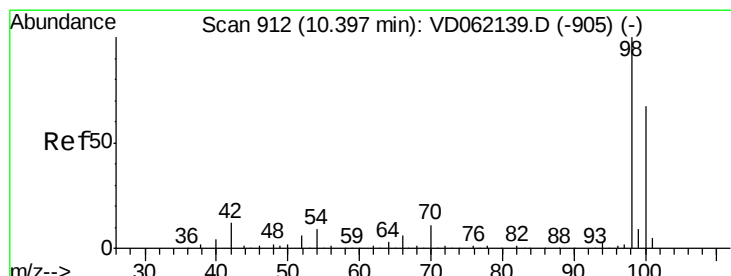
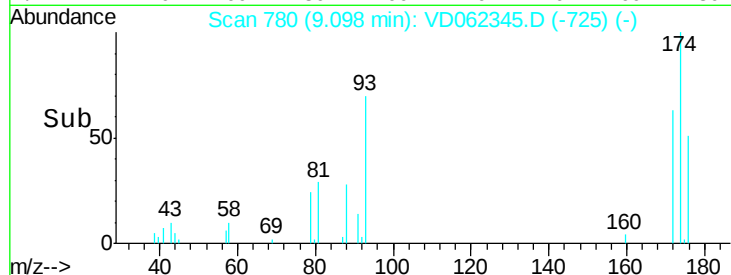
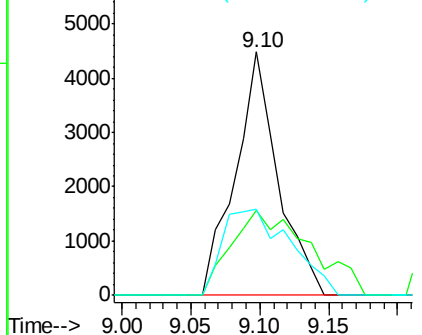
#49
1,4-Dioxane
Concen: 340.390 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion: 88 Resp: 9629
Ion Ratio Lower Upper
88 100
43 35.1 23.4 35.0#
58 35.3 44.0 66.0#

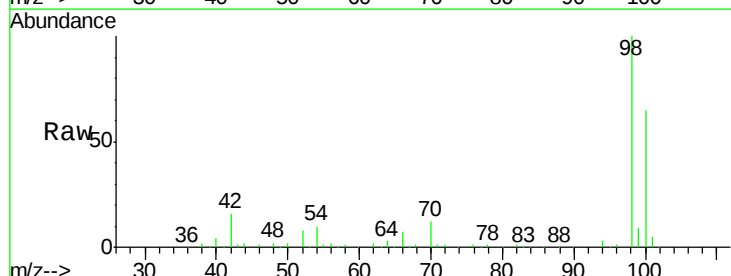


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

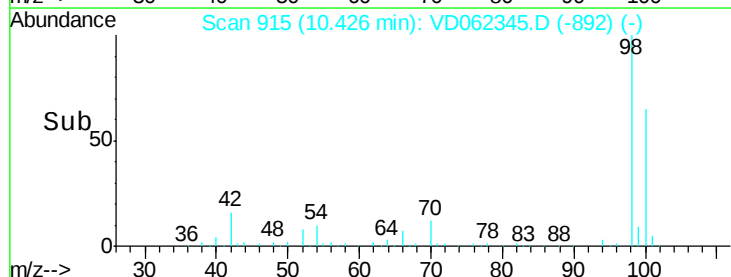
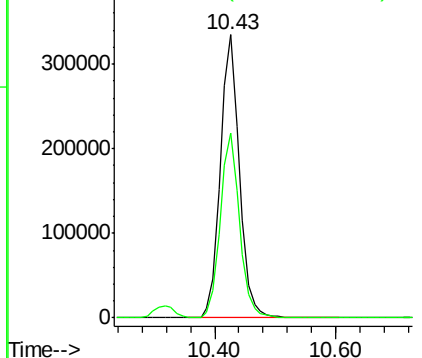


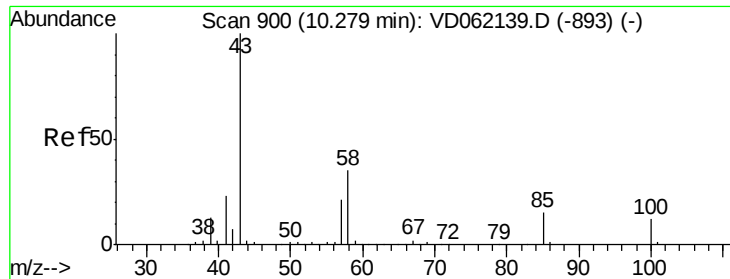
#50
Toluene-d8
Concen: 42.383 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 98 Resp: 731849
Ion Ratio Lower Upper
98 100
100 65.4 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: 106.517 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

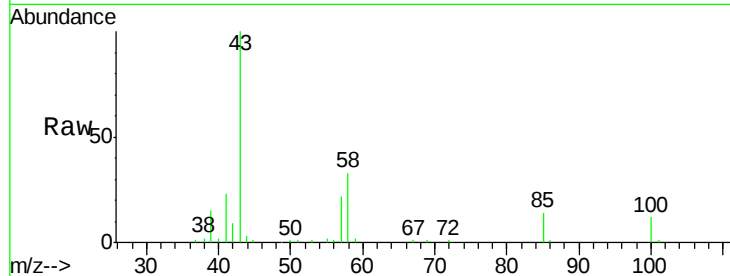
VD0514SBS01

Tot Ion: 43 Resp: 291441

Ion Ratio Lower Upper

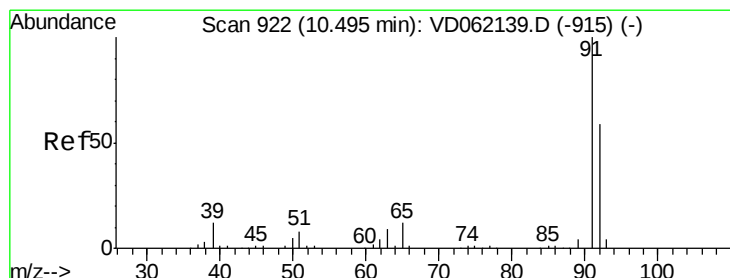
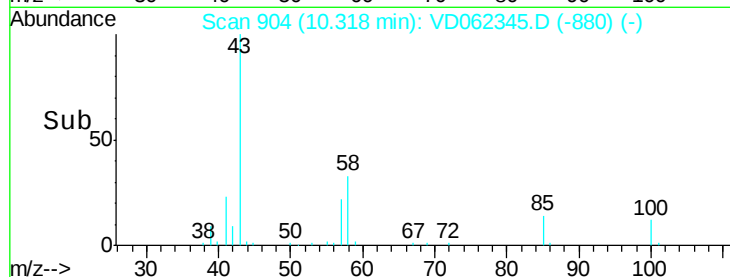
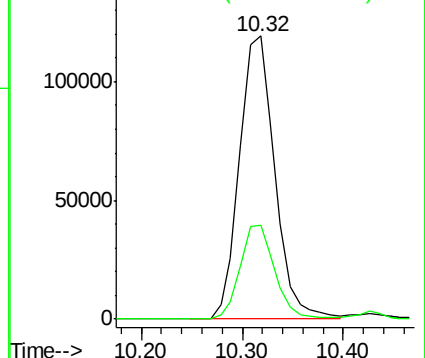
43 100

58 33.1 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: 19.172 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062345.D

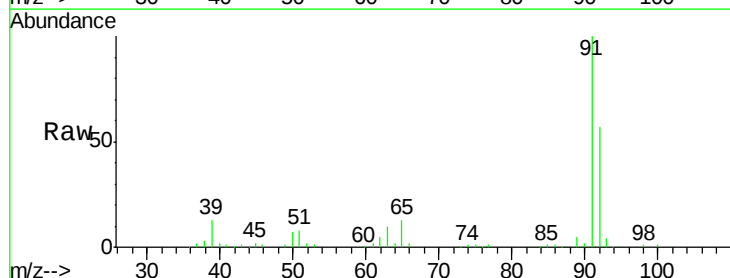
Acq: 14 May 2019 14:40

Tgt Ion: 92 Resp: 199345

Ion Ratio Lower Upper

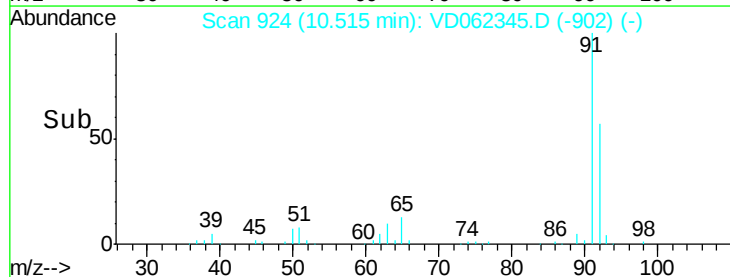
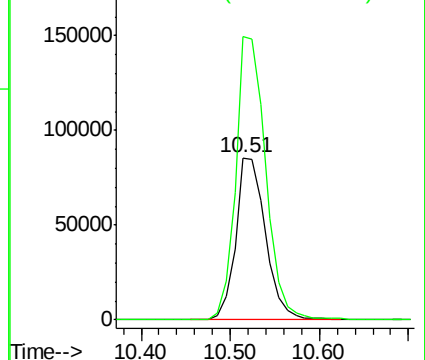
92 100

91 174.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

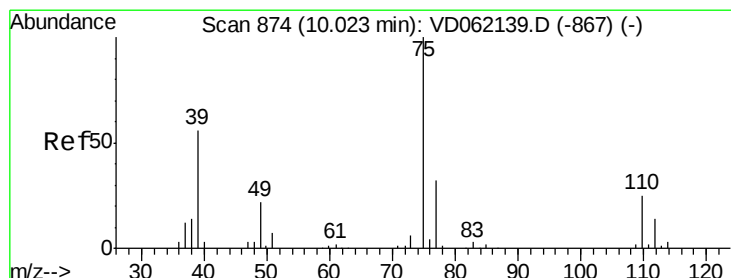
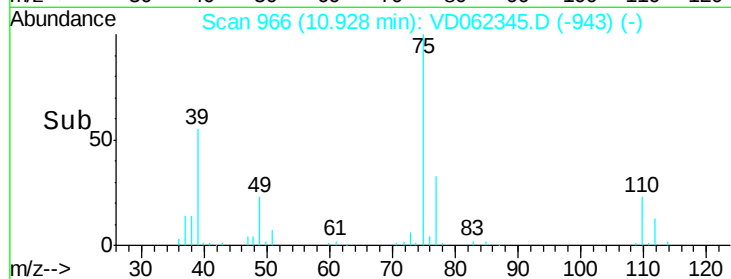
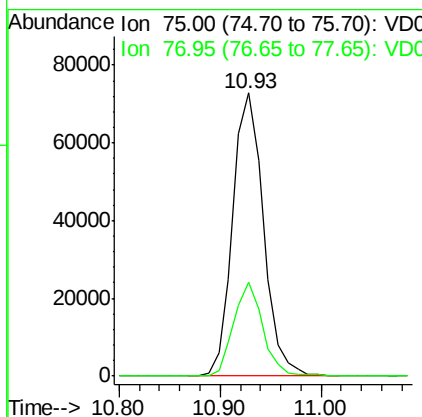
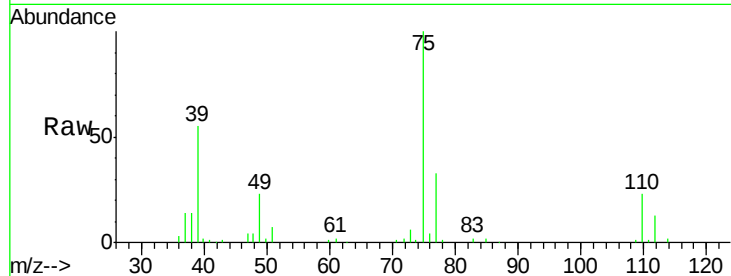




#53
 t-1,3-Dichloropropene
 Concen: 22.733 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

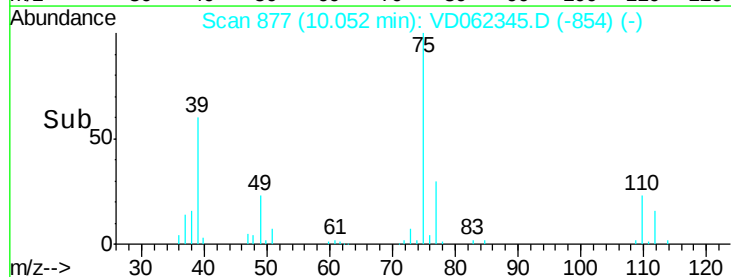
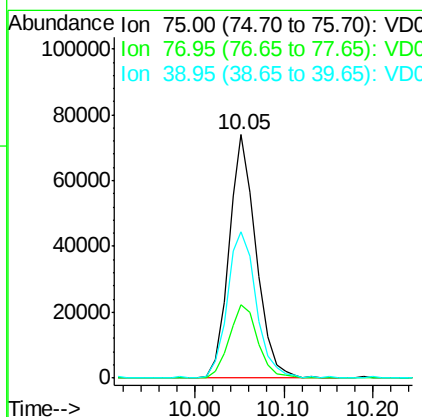
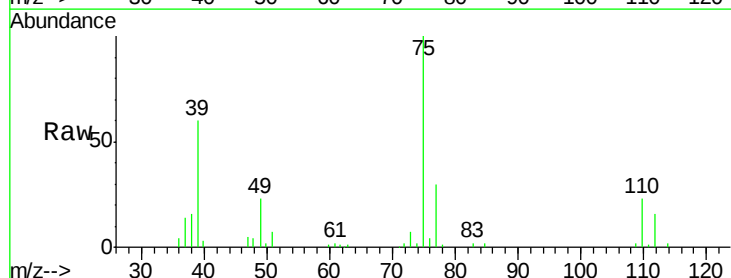
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD01

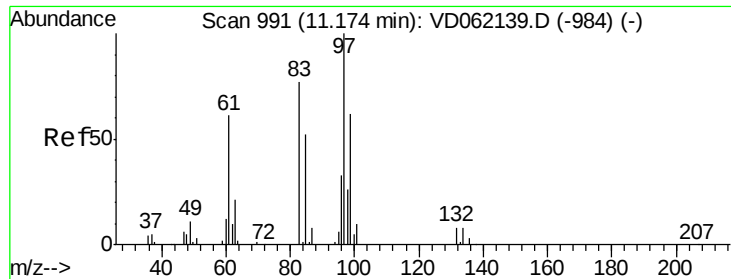
Tot Ion: 75 Resp: 154483
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.164 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Tgt Ion: 75 Resp: 156895
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.5 38.3
 39 60.3 39.4 59.2#

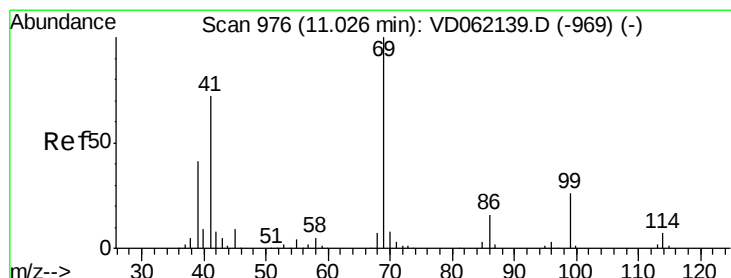
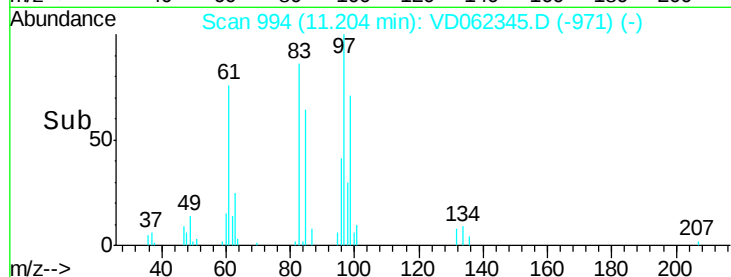
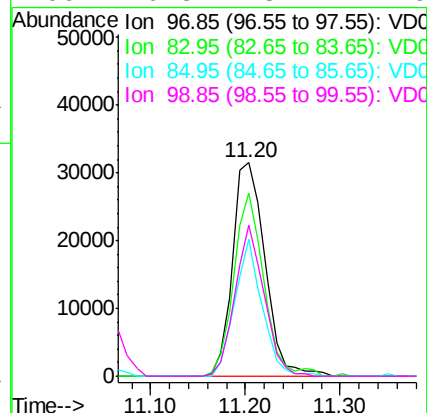
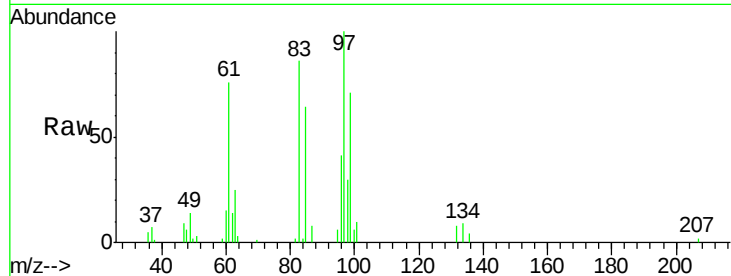




#55
 1,1,2-Trichloroethane
 Concen: 20.357 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

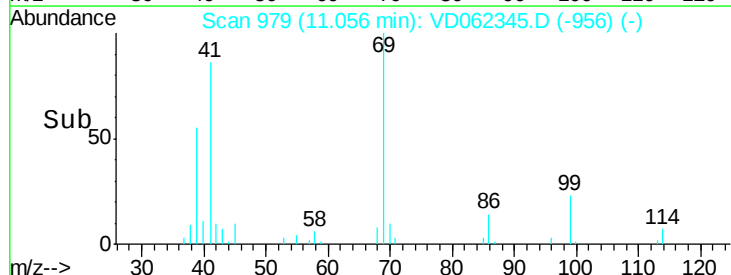
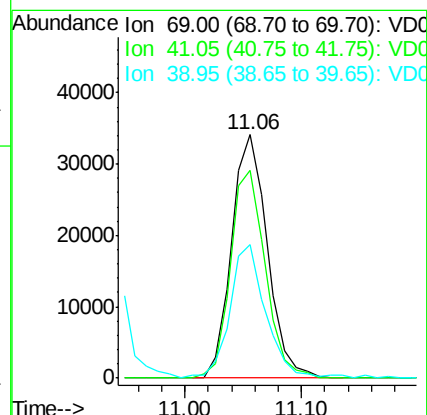
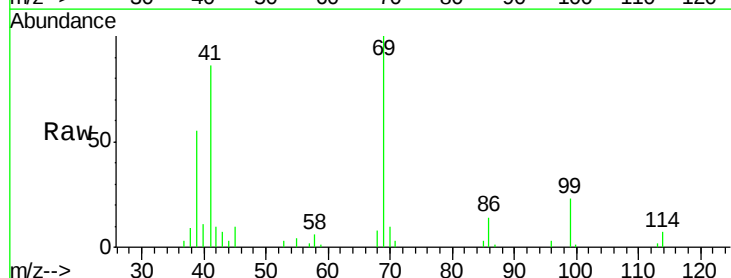
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD01

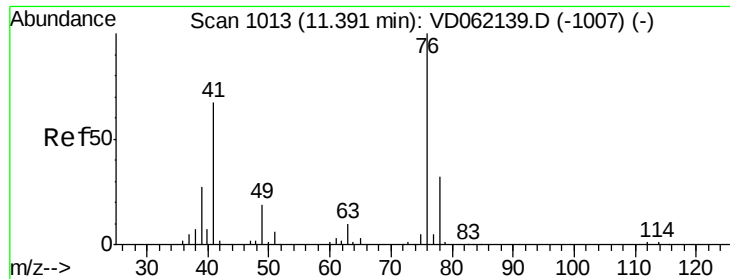
Tot Ion: 97 Resp: 74893
 Ion Ratio Lower Upper
 97 100
 83 85.7 65.7 98.5
 85 64.1 45.6 68.4
 99 70.8 48.4 72.6



#56
 Ethyl methacrylate
 Concen: 18.878 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Tgt Ion: 69 Resp: 72171
 Ion Ratio Lower Upper
 69 100
 41 85.5 56.3 84.5#
 39 54.7 29.4 44.2#

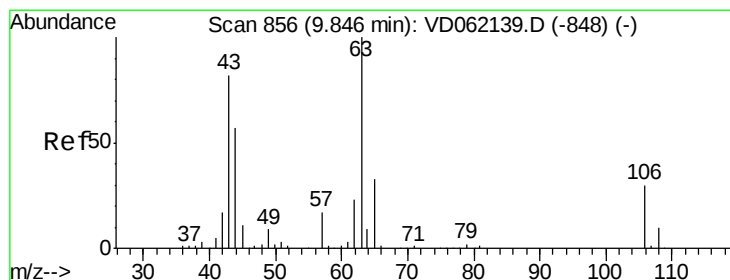
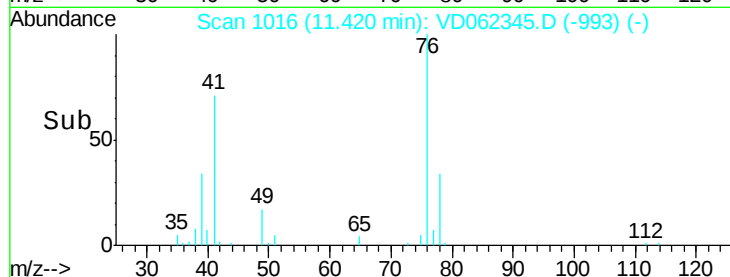
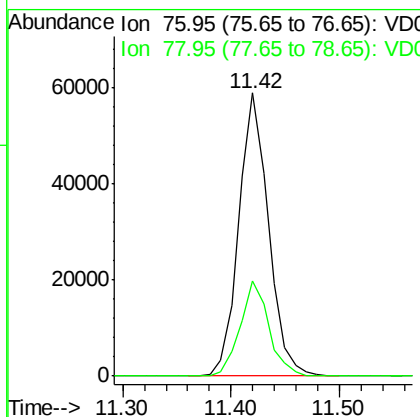
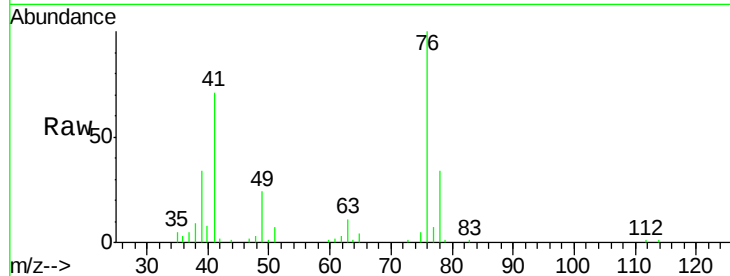




#57
 1,3-Dichloropropane
 Concen: 20.198 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

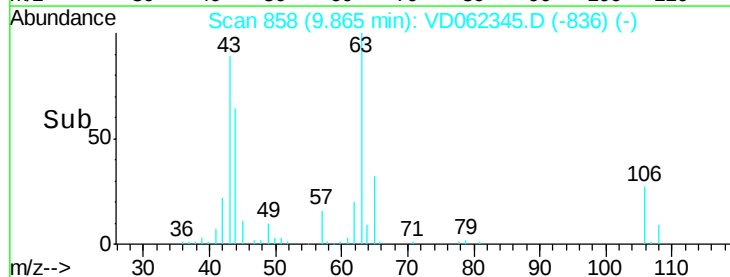
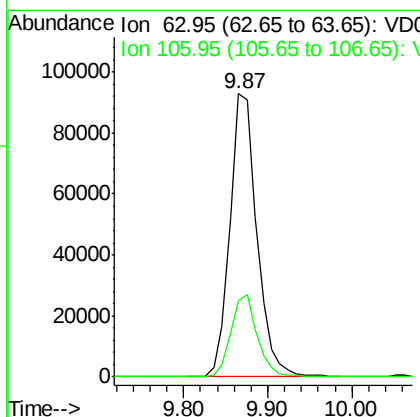
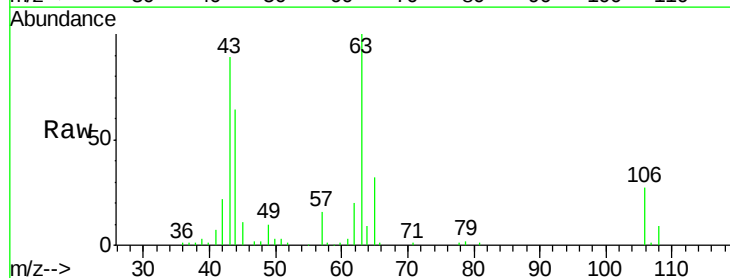
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD01

Tot Ion: 76 Resp: 112259
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.324 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Tgt Ion: 63 Resp: 207413
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.6 34.0

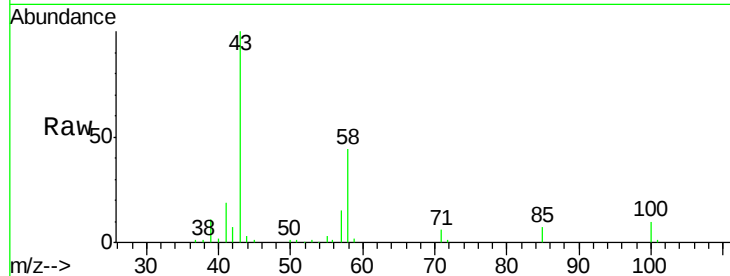




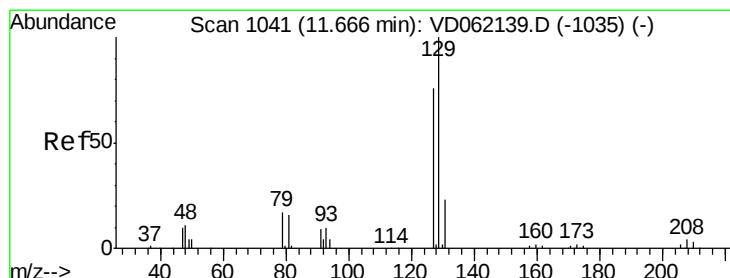
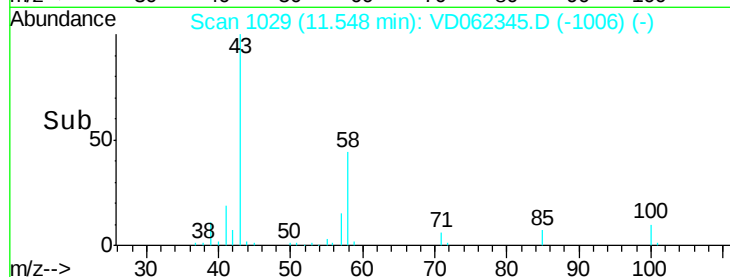
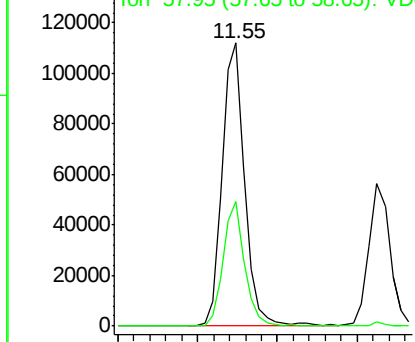
#59
2-Hexanone
Concen: 111.230 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion: 43 Resp: 224307
Ion Ratio Lower Upper
43 100
58 44.0 25.4 76.4

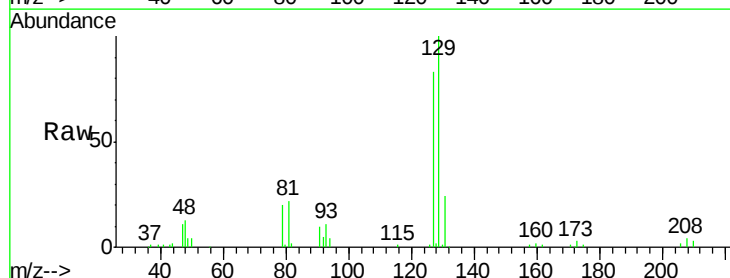


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

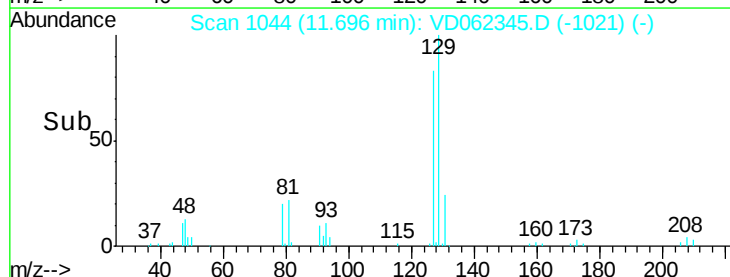
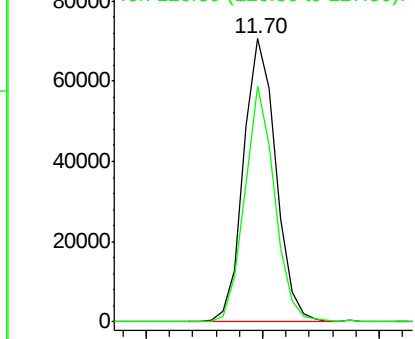


#60
Dibromochloromethane
Concen: 21.344 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 129 Resp: 135706
Ion Ratio Lower Upper
129 100
127 83.4 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: 19.533 ug/l

RT: 11.81 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

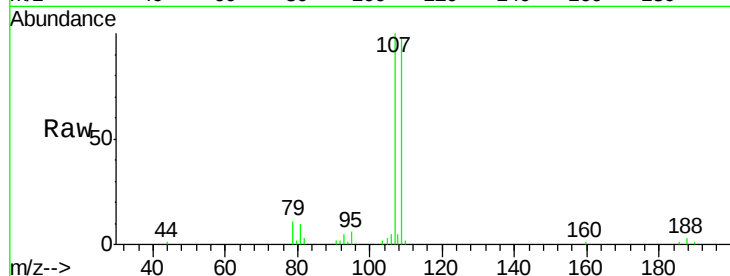
VD0514SBSD01

Tot Ion:107 Resp: 87365

Ion Ratio Lower Upper

107 100

109 97.6 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

50000

40000

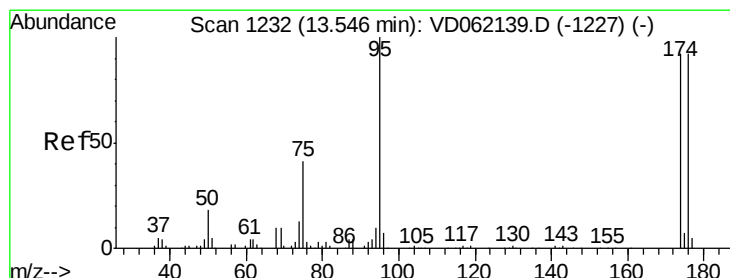
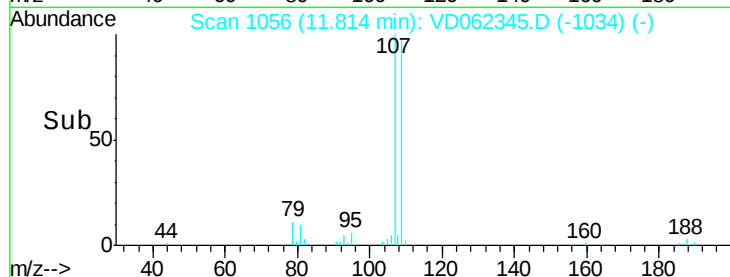
30000

20000

10000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 48.022 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

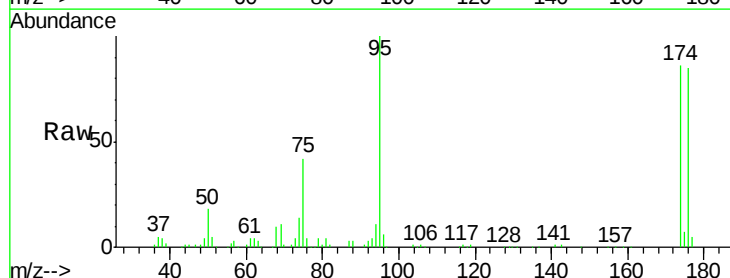
Tgt Ion: 95 Resp: 332978

Ion Ratio Lower Upper

95 100

174 86.1 0.0 181.8

176 85.0 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

13.57

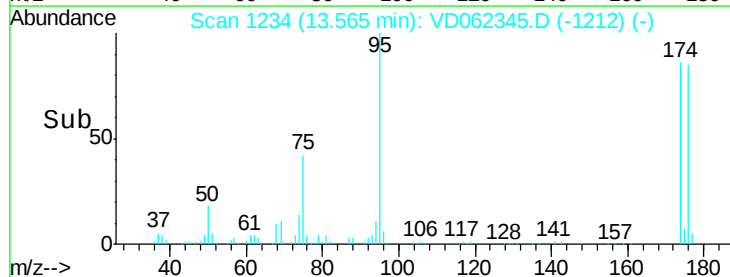
300000

200000

100000

0

Time--> 13.50 13.60

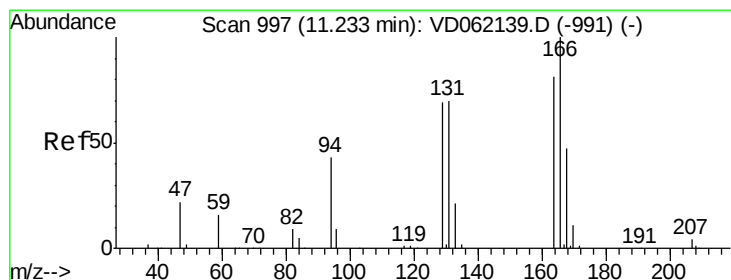
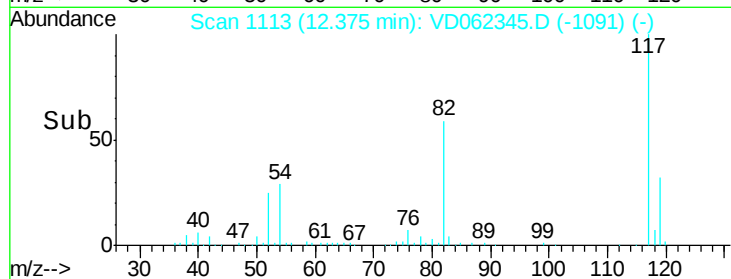
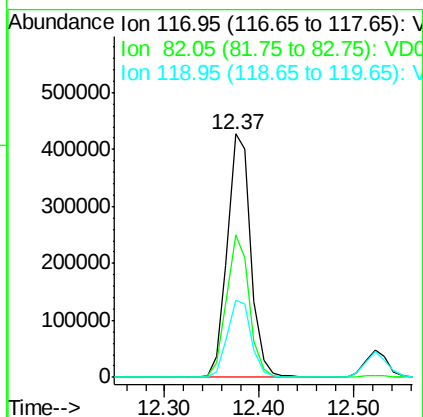
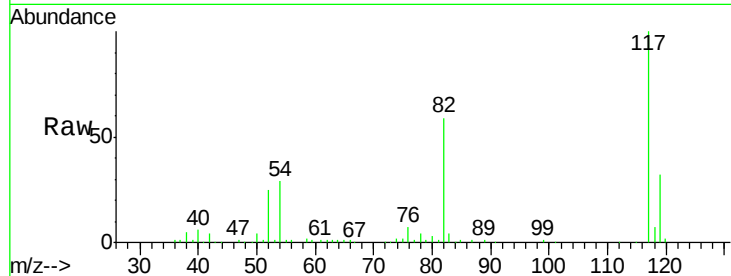




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

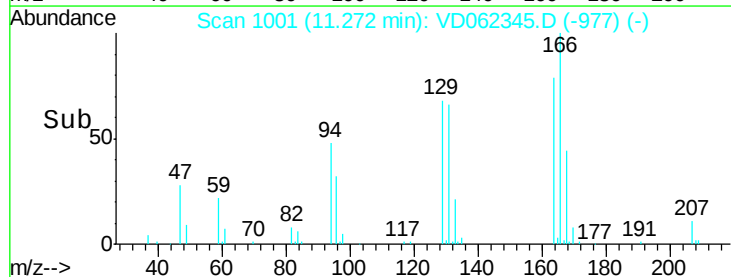
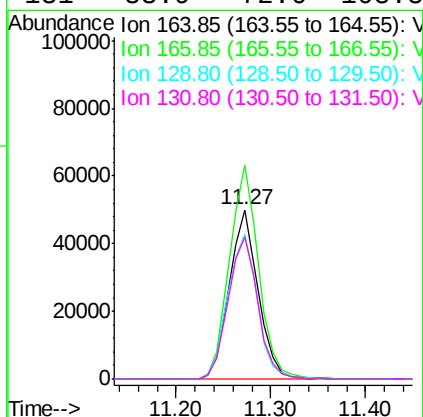
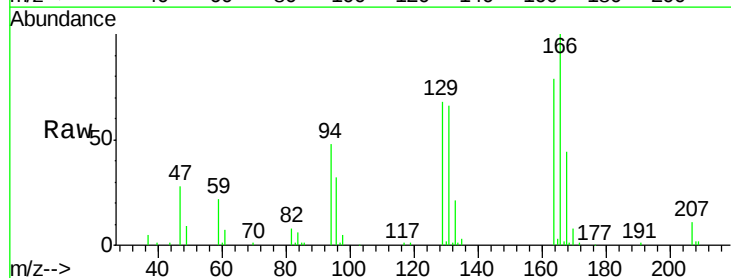
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

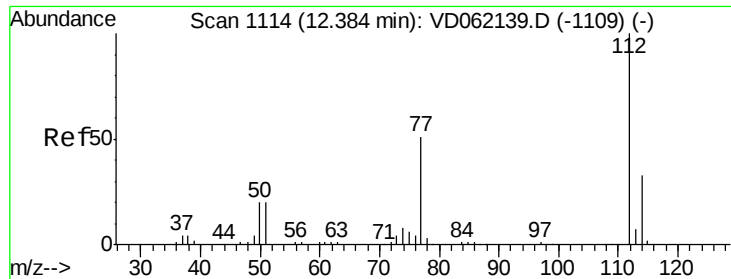
Tot Ion:117 Resp: 735031
Ion Ratio Lower Upper
117 100
82 58.7 36.2 54.2#
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 18.310 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion:164 Resp: 105241
Ion Ratio Lower Upper
164 100
166 126.3 101.5 152.3
129 85.6 74.6 112.0
131 83.9 72.6 108.8

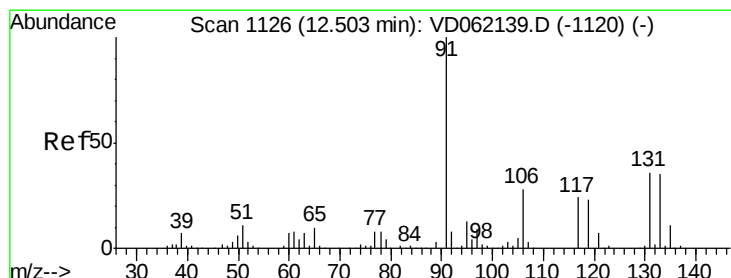
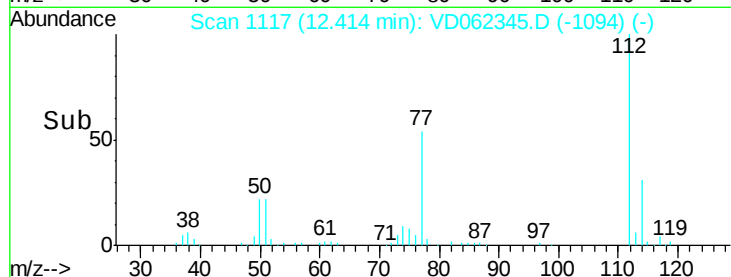
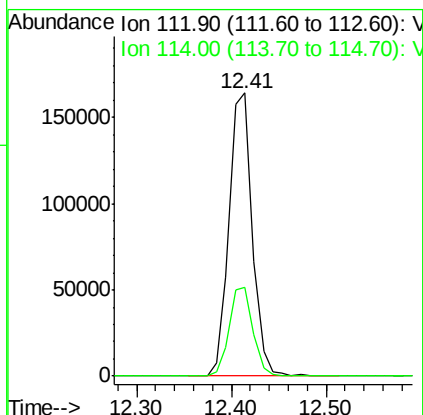
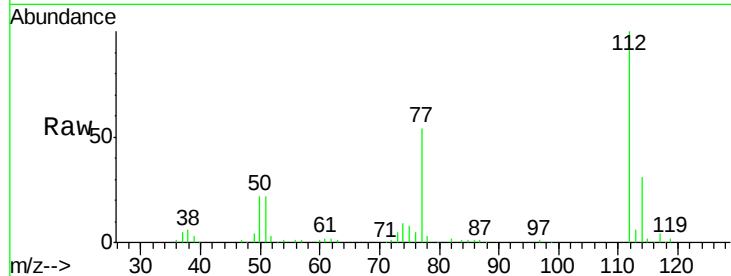




#65
Chlorobenzene
Concen: 20.476 ug/l
RT: 12.41 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

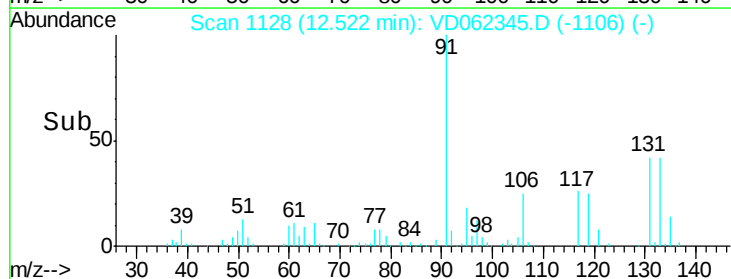
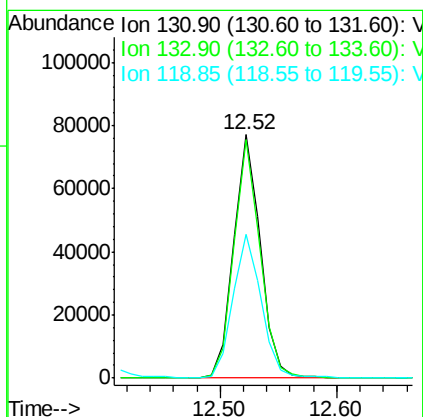
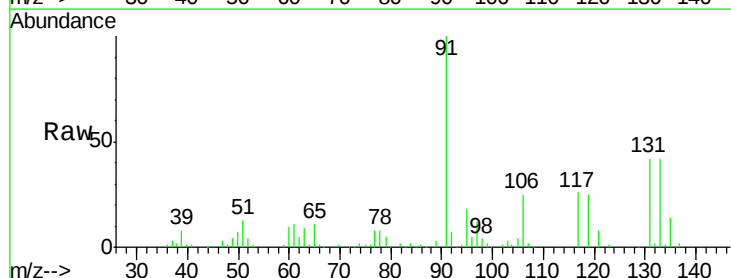
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion:112 Resp: 280324
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.539 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion:131 Resp: 122376
Ion Ratio Lower Upper
131 100
133 97.9 48.6 145.8
119 59.3 34.7 104.1

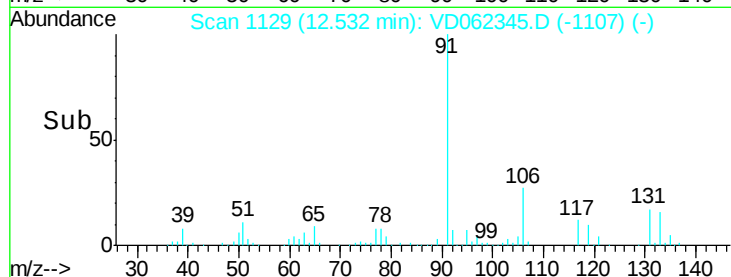
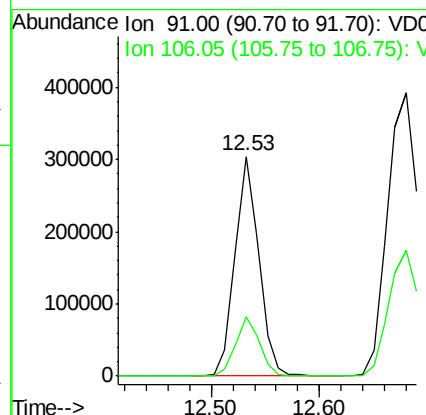
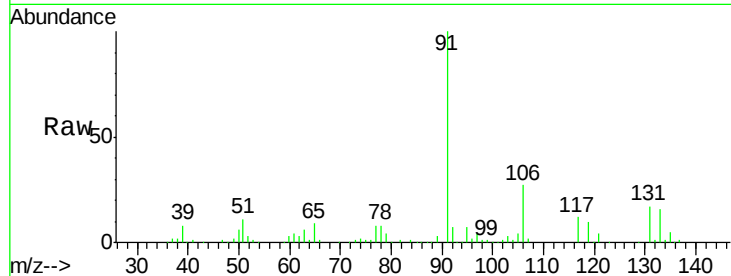




#67
Ethyl Benzene
Concen: 20.545 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

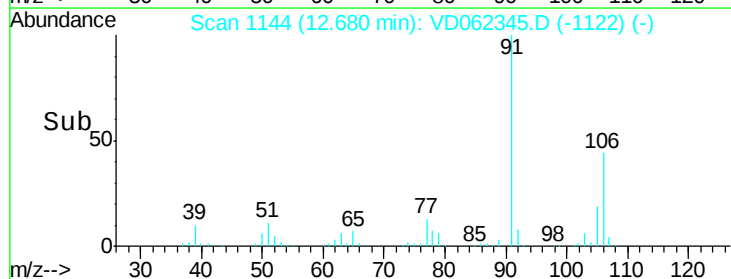
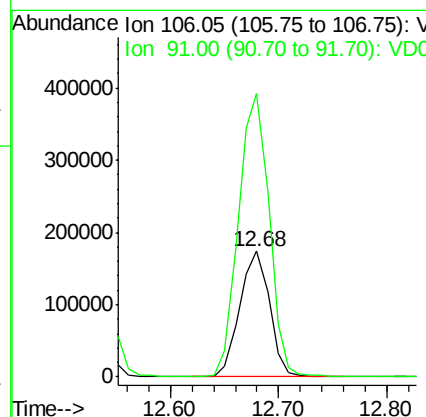
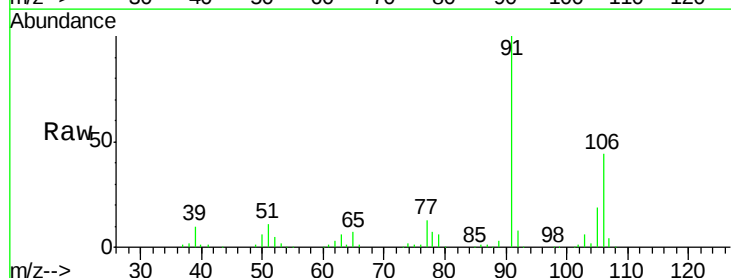
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion: 91 Resp: 470890
Ion Ratio Lower Upper
91 100
106 26.9 24.7 37.1



#68
m/p-Xylenes
Concen: 39.721 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 106 Resp: 331222
Ion Ratio Lower Upper
106 100
91 224.8 164.0 246.0

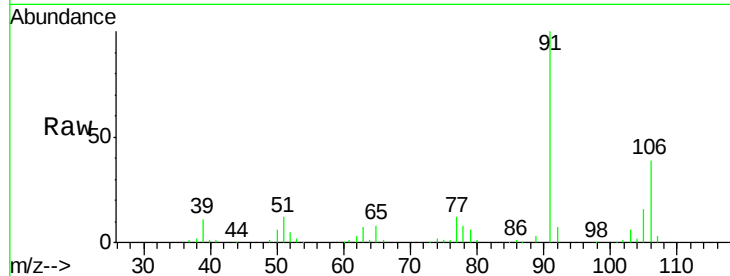




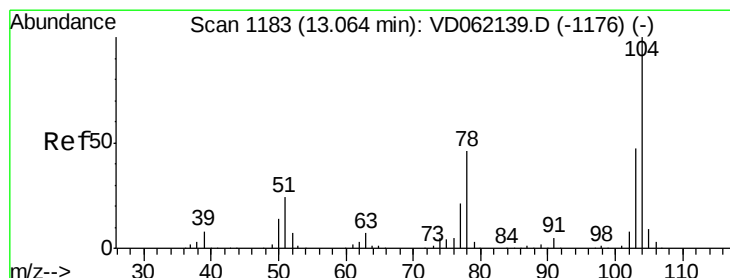
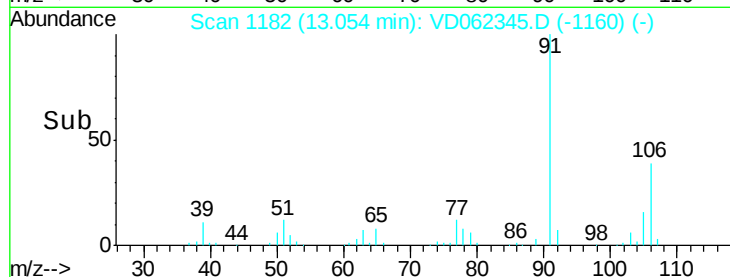
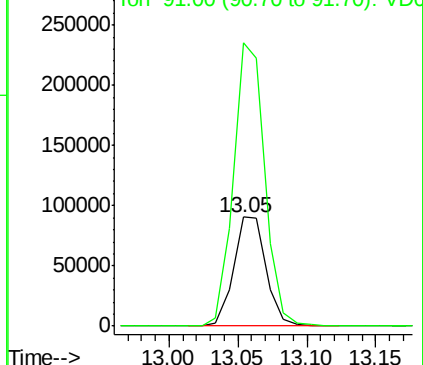
#69
o-Xylene
Concen: 19.123 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion:106 Resp: 148244
Ion Ratio Lower Upper
106 100
91 259.6 106.7 319.9

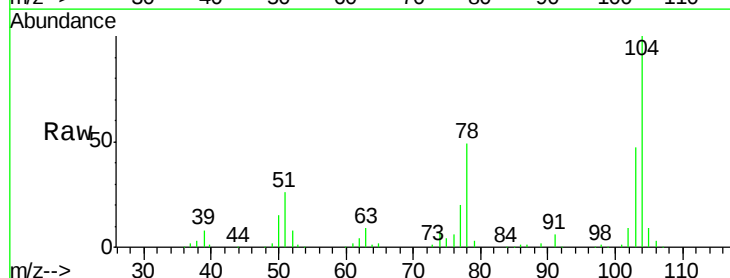


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

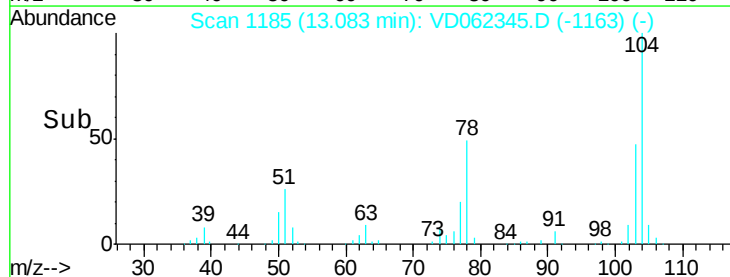
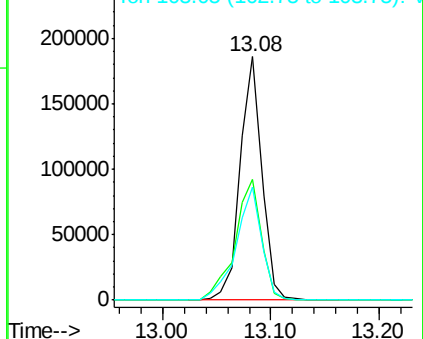


#70
Styrene
Concen: 19.817 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion:104 Resp: 260246
Ion Ratio Lower Upper
104 100
78 49.4 35.4 53.2
103 46.5 37.5 56.3



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





#71

Bromoform

Concen: 20.769 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

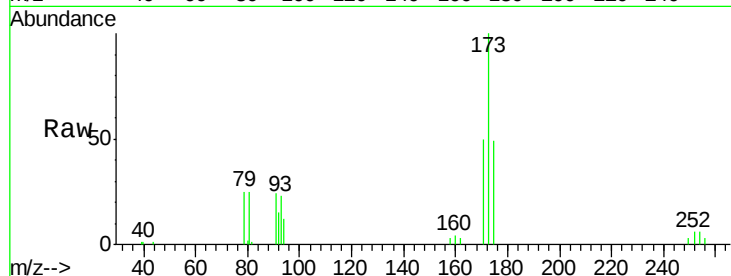
Tot Ion:173 Resp: 86094

Ion Ratio Lower Upper

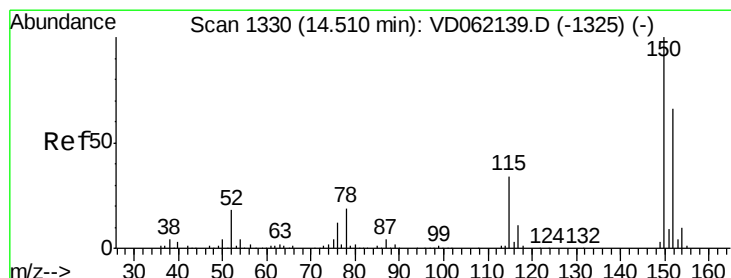
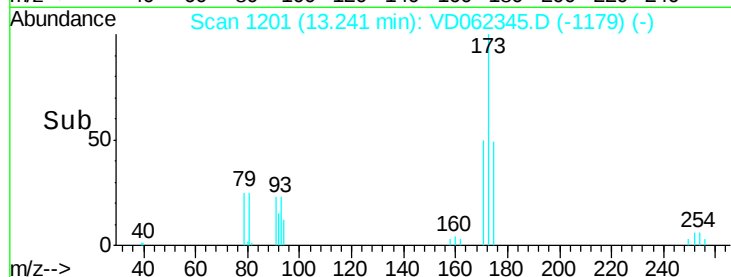
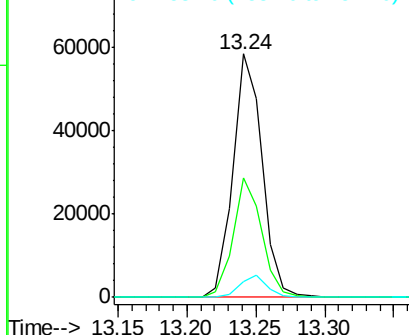
173 100

175 49.1 24.4 73.4

254 6.4 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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

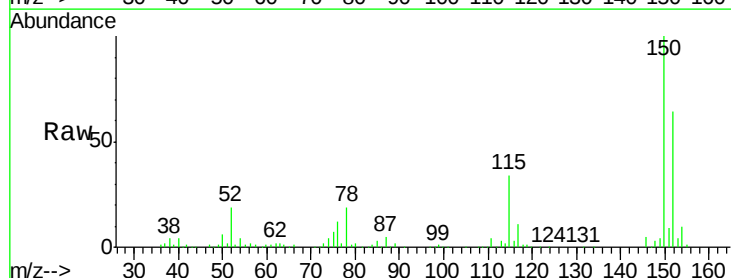
Tgt Ion:152 Resp: 408429

Ion Ratio Lower Upper

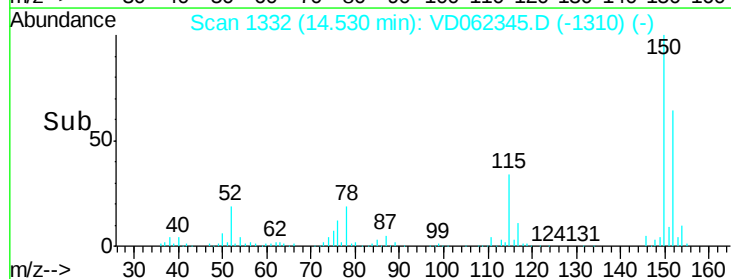
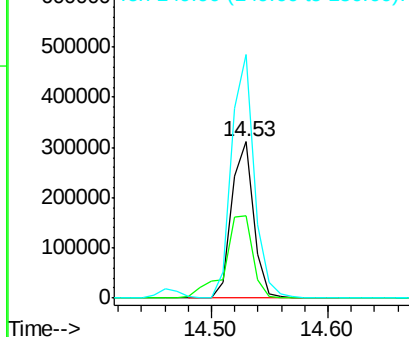
152 100

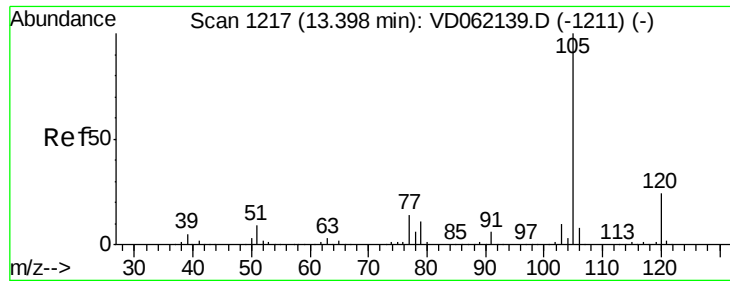
115 52.5 30.9 92.7

150 155.7 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: 20.533 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

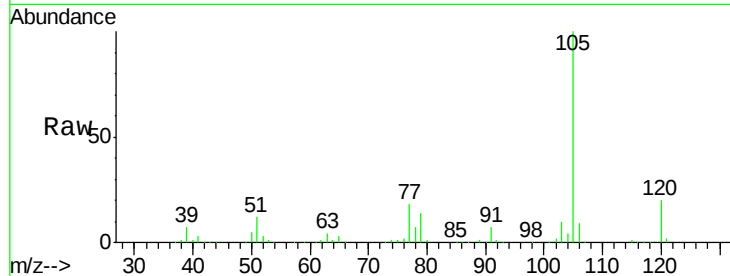
VD0514SBSD01

Tot Ion:105 Resp: 502693

Ion Ratio Lower Upper

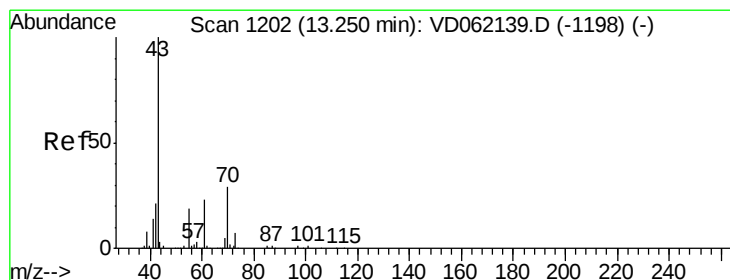
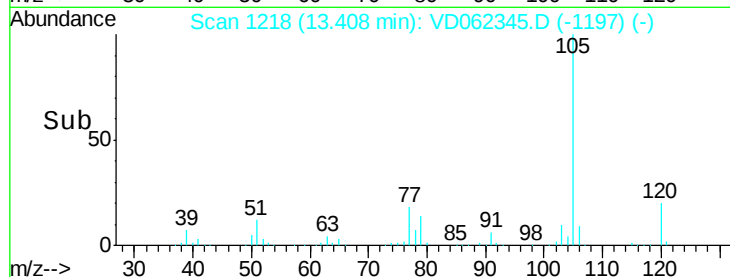
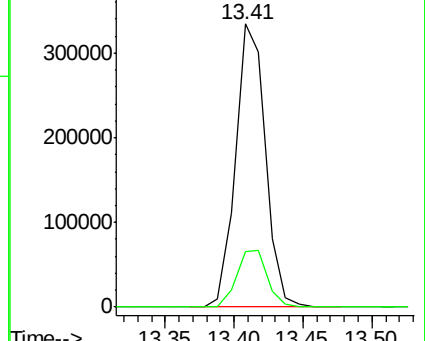
105 100

120 19.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.358 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Tgt Ion: 43 Resp: 124256

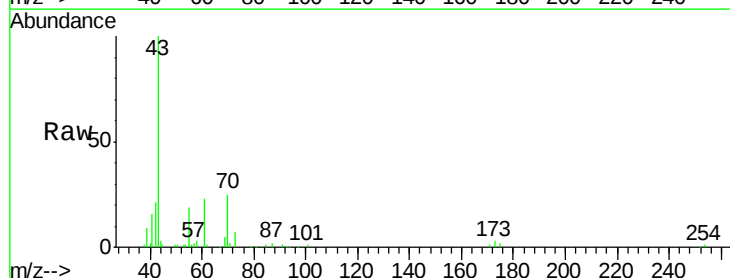
Ion Ratio Lower Upper

43 100

70 25.4 24.2 36.4

55 19.4 16.0 24.0

61 23.1 21.6 32.4

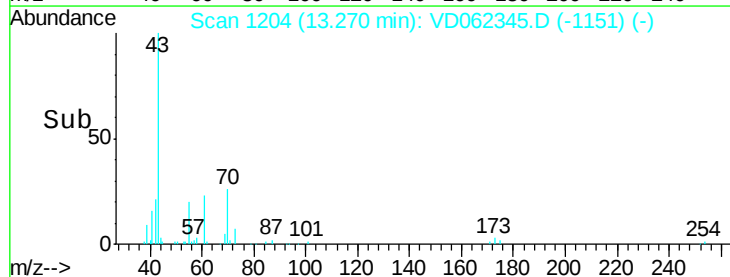
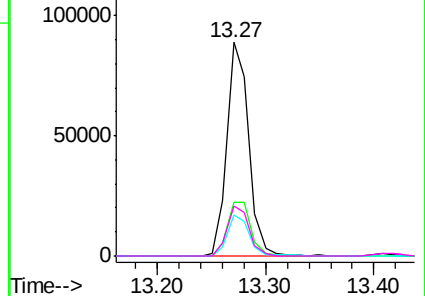


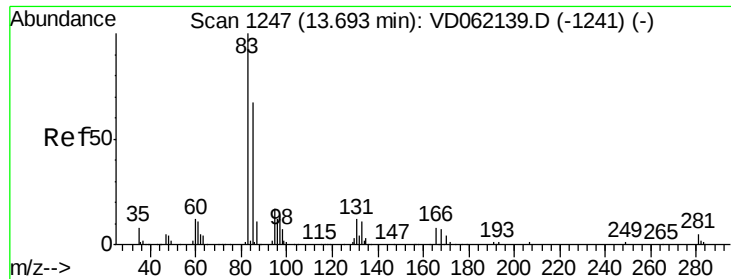
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.495 ug/l

RT: 13.71 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

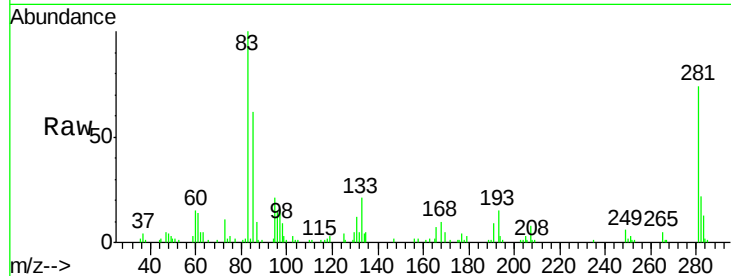
Tot Ion: 83 Resp: 85721

Ion Ratio Lower Upper

83 100

131 12.1 5.0 14.9

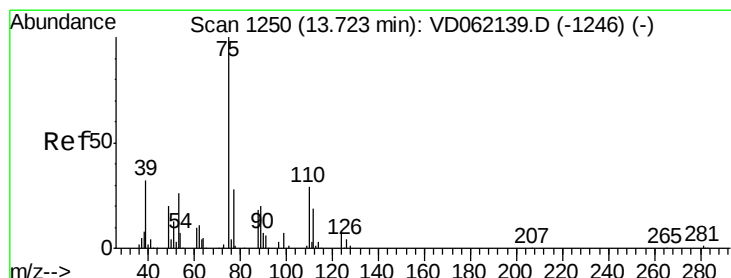
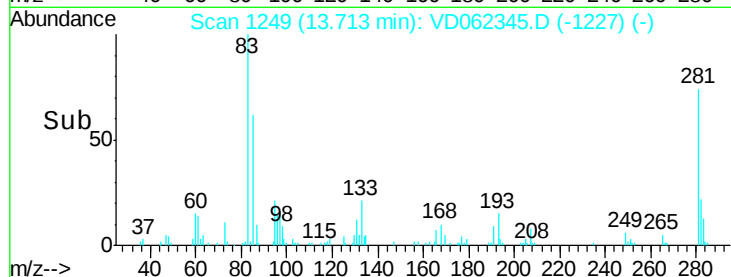
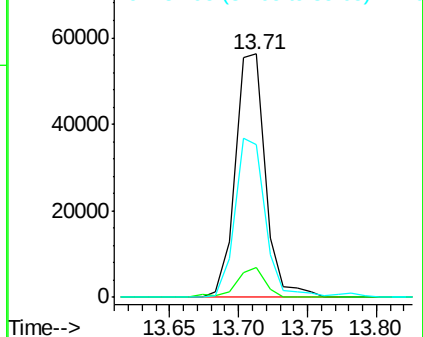
85 62.5 32.6 97.7



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: 18.477 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062345.D

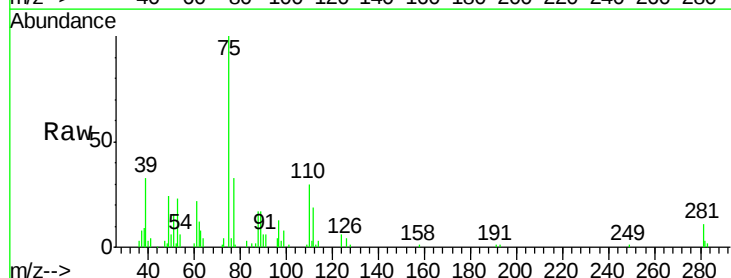
Acq: 14 May 2019 14:40

Tgt Ion: 75 Resp: 89687

Ion Ratio Lower Upper

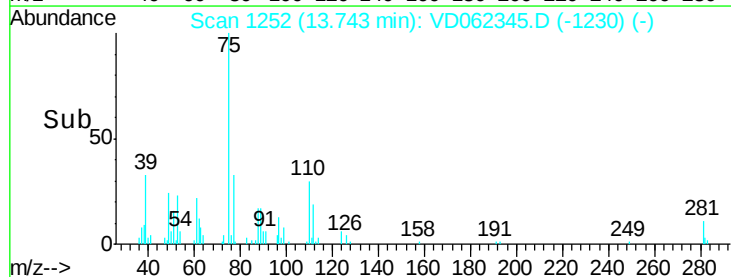
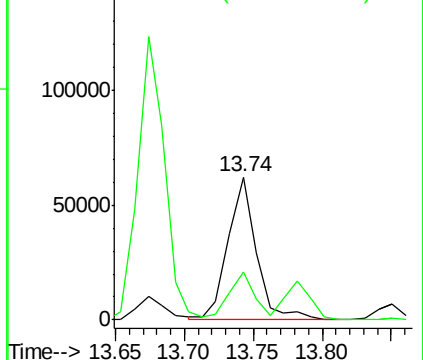
75 100

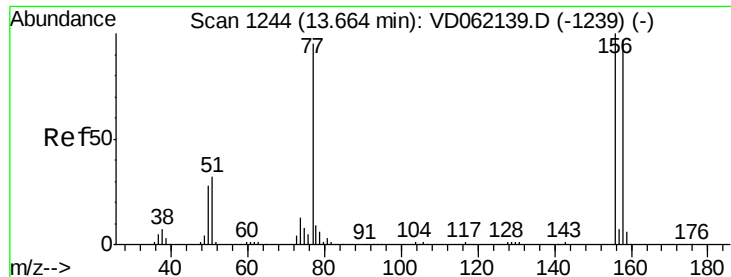
77 33.0 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.400 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

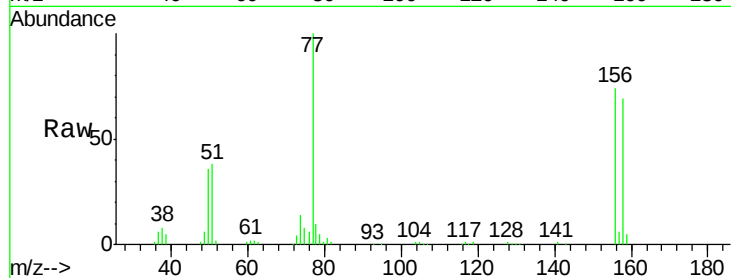
Tot Ion:156 Resp: 132960

Ion Ratio Lower Upper

156 100

77 135.2 53.1 159.4

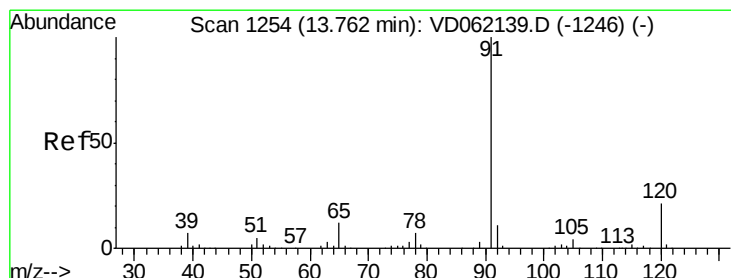
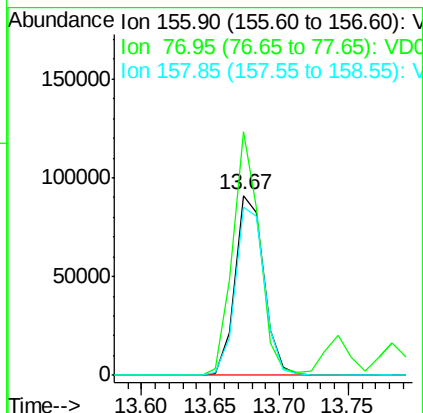
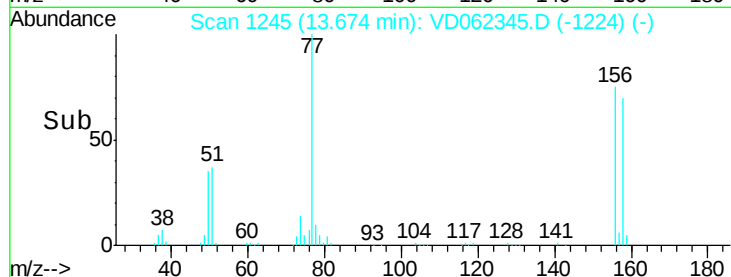
158 93.3 49.4 148.0



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: 19.062 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062345.D

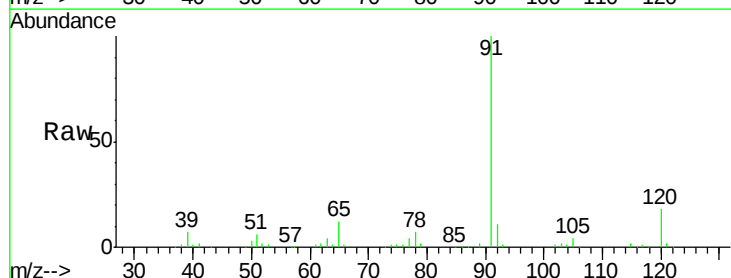
Acq: 14 May 2019 14:40

Tgt Ion: 91 Resp: 556709

Ion Ratio Lower Upper

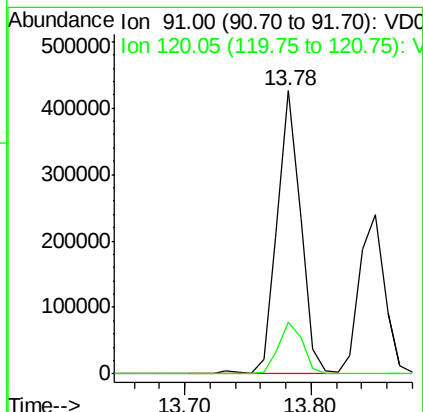
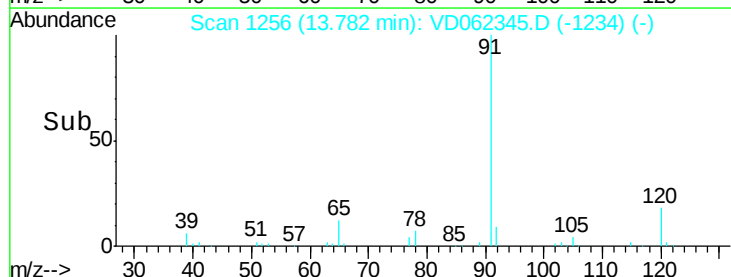
91 100

120 18.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

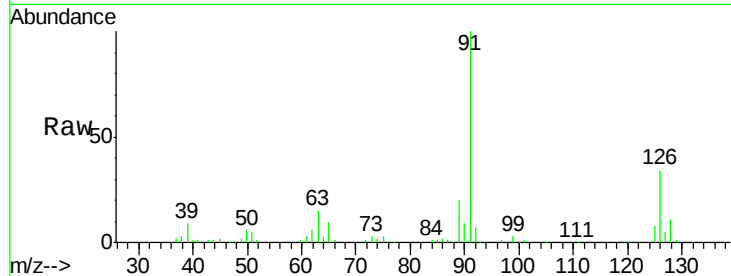




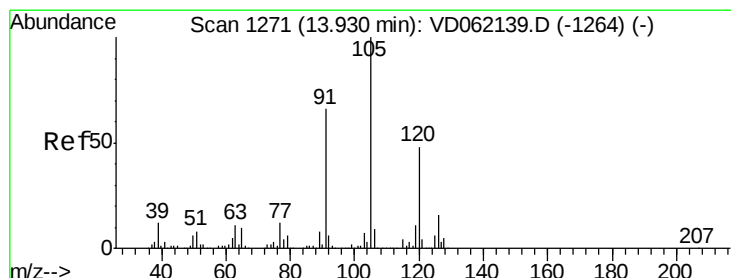
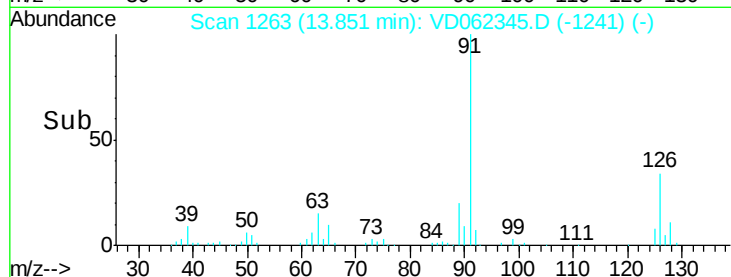
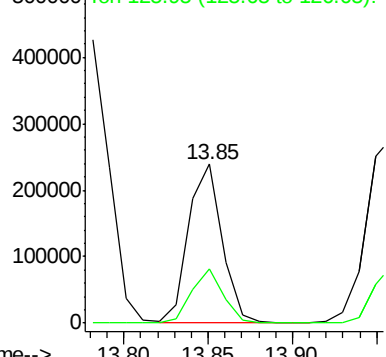
#79
2-Chlorotoluene
Concen: 19.625 ug/l
RT: 13.85 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion: 91 Resp: 328251
Ion Ratio Lower Upper
91 100
126 34.1 18.6 55.8

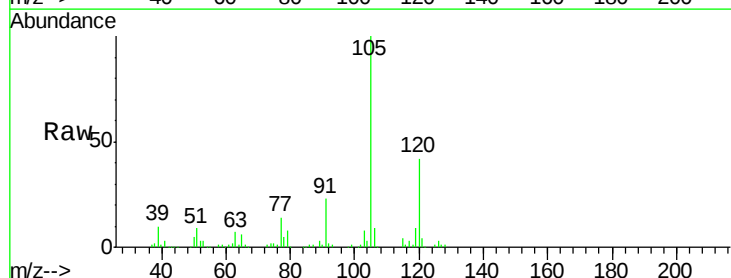


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

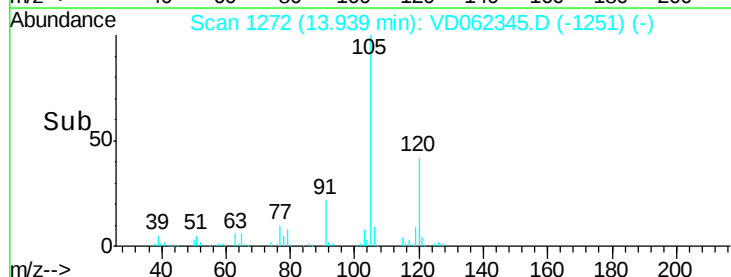
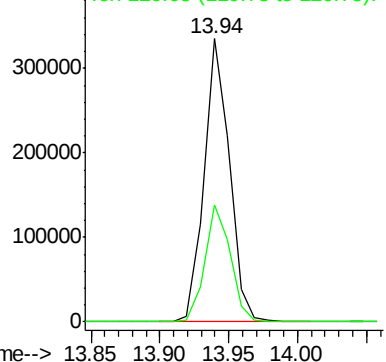


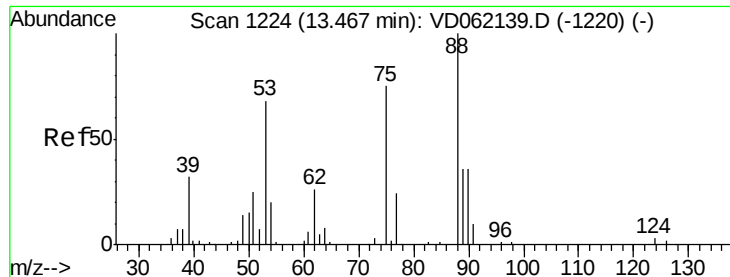
#80
1,3,5-Trimethylbenzene
Concen: 20.734 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 105 Resp: 427457
Ion Ratio Lower Upper
105 100
120 41.5 24.0 72.0



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

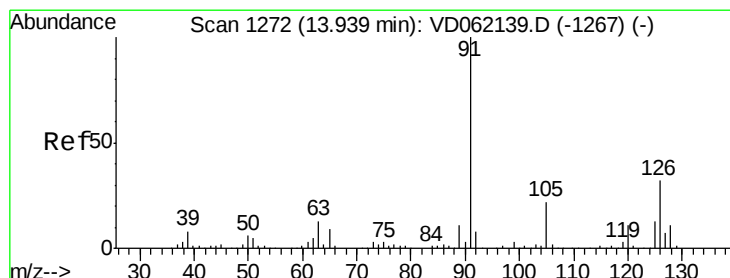
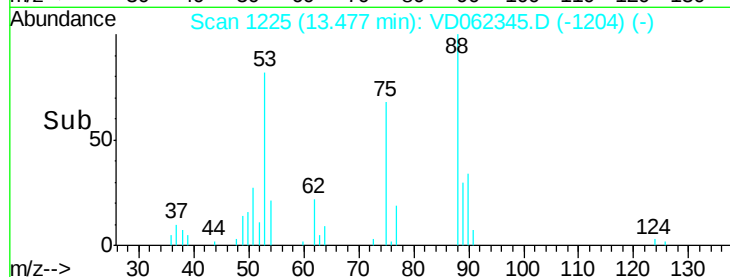
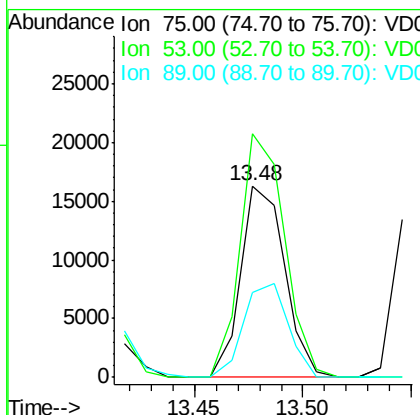
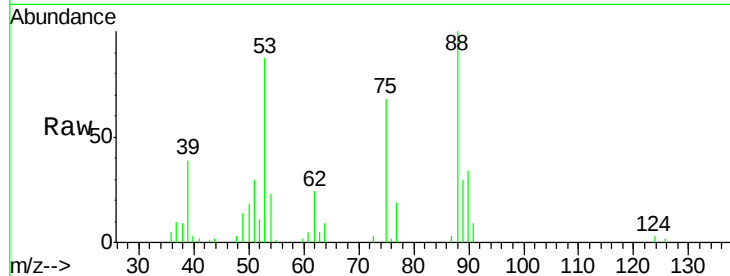




#81
trans-1,4-Dichloro-2-butene
Concen: 16.746 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

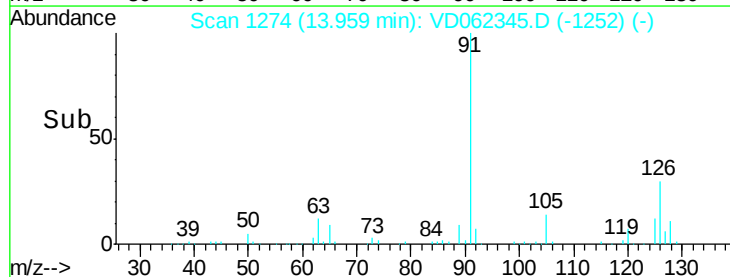
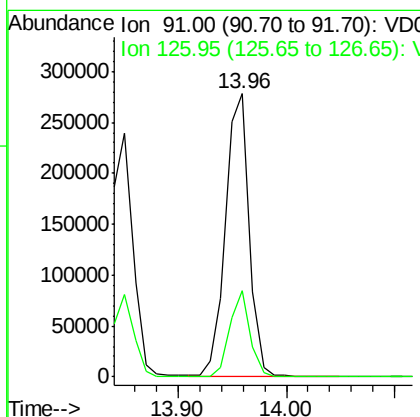
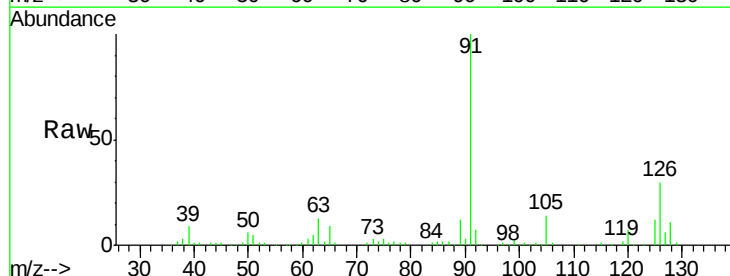
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion: 75 Resp: 22947
Ion Ratio Lower Upper
75 100
53 127.3 65.8 98.8#
89 44.1 35.0 52.6



#82
4-Chlorotoluene
Concen: 21.650 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 91 Resp: 426128
Ion Ratio Lower Upper
91 100
126 30.5 19.1 57.5

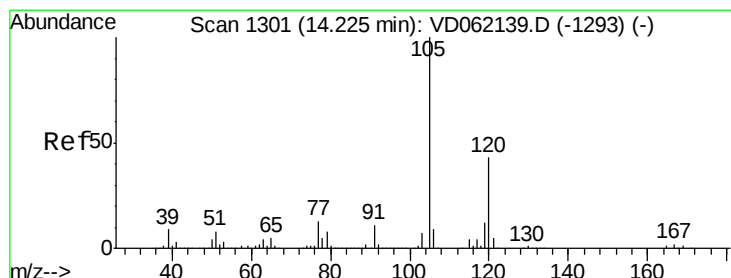
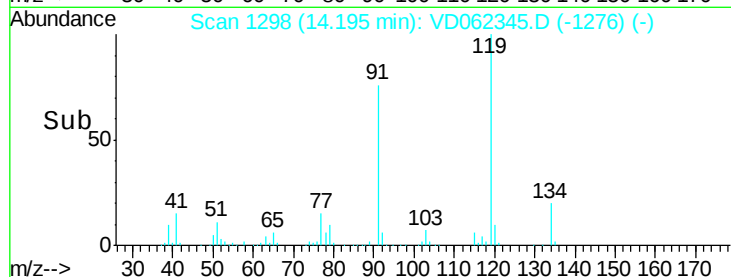
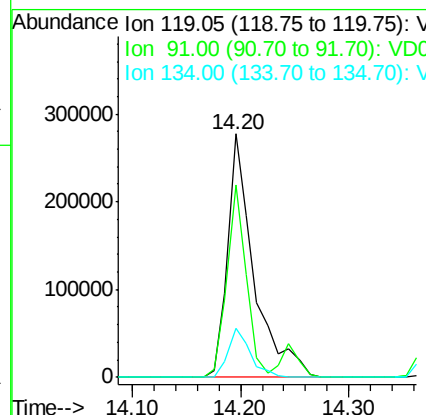
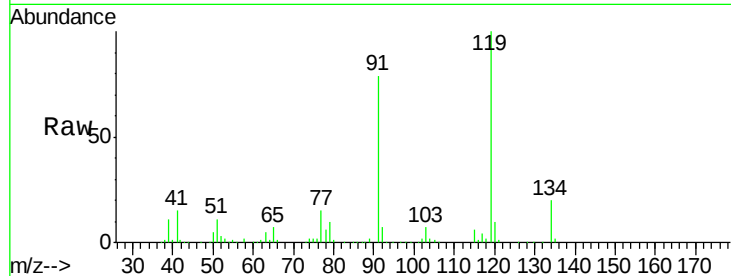




#83
tert-Butylbenzene
Concen: 20.152 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

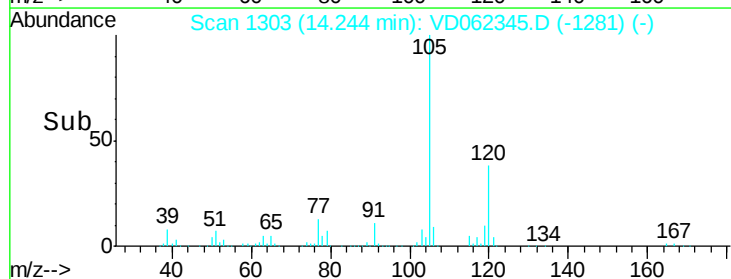
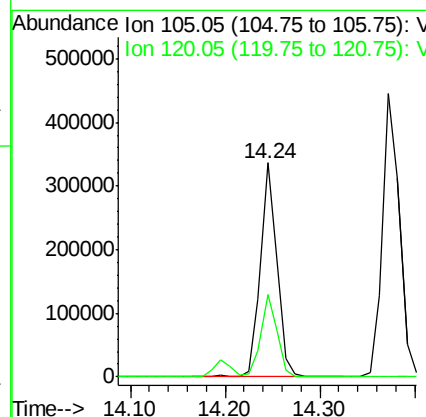
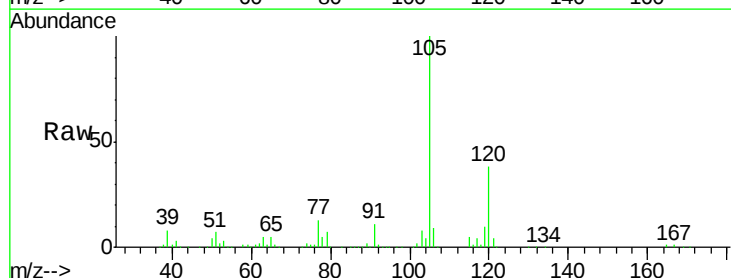
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

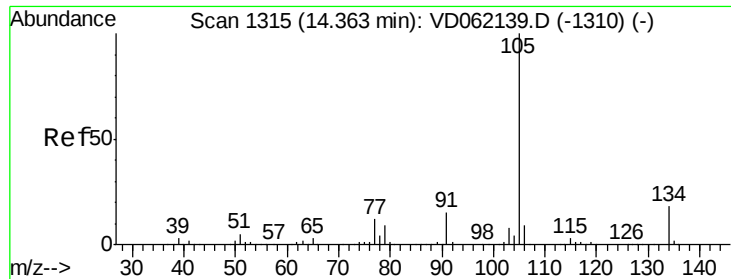
Tot Ion:119 Resp: 466978
Ion Ratio Lower Upper
119 100
91 79.0 34.2 102.6
134 20.1 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 19.746 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion:105 Resp: 408507
Ion Ratio Lower Upper
105 100
120 38.5 23.1 69.2

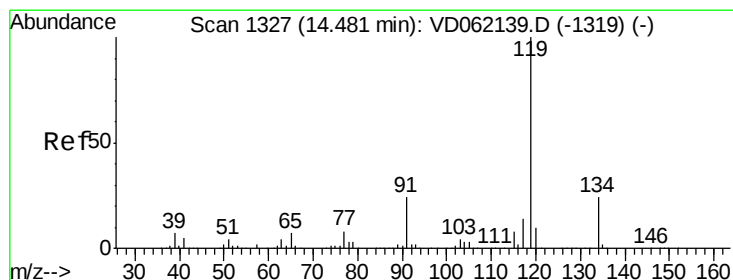
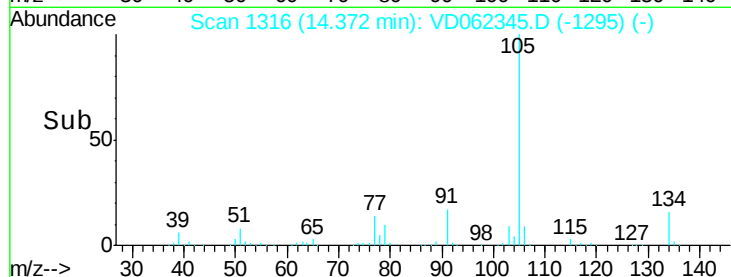
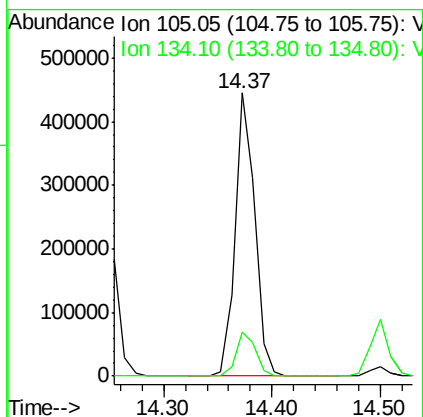
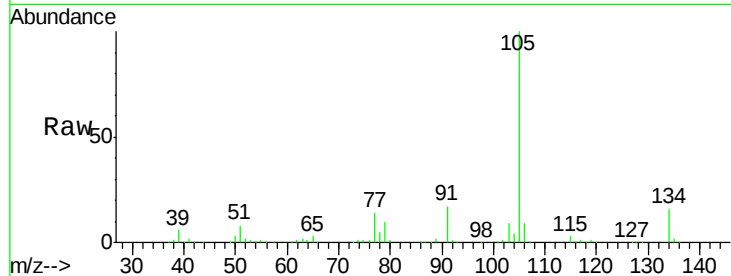




#85
 sec-Butylbenzene
 Concen: 22.240 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

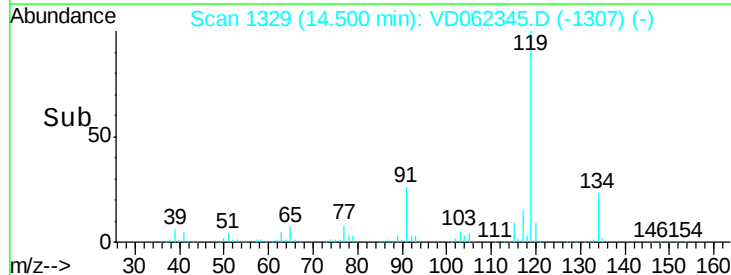
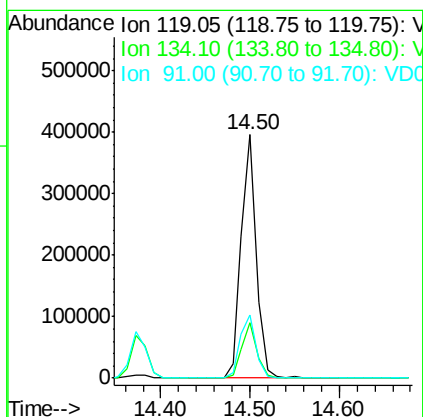
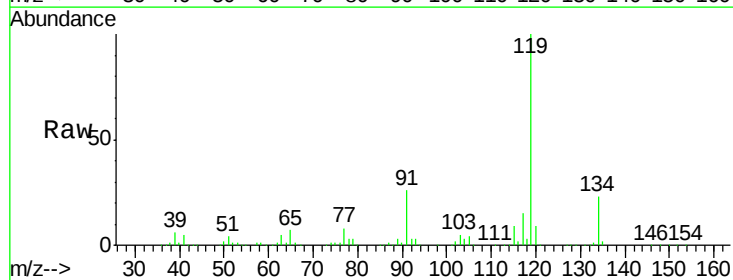
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD01

Tot Ion:105 Resp: 565043
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.679 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Tgt Ion:119 Resp: 469399
 Ion Ratio Lower Upper
 119 100
 134 22.6 12.8 38.3
 91 25.9 10.7 32.1

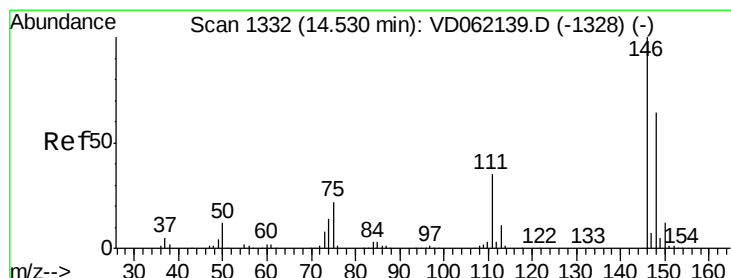
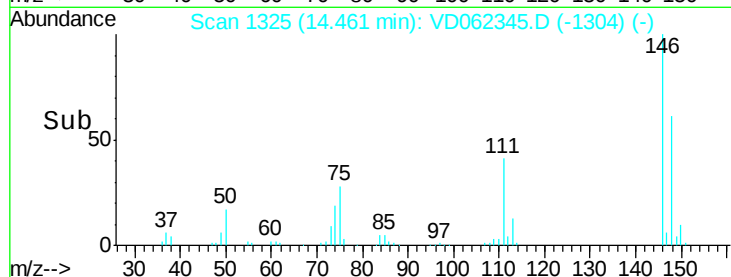
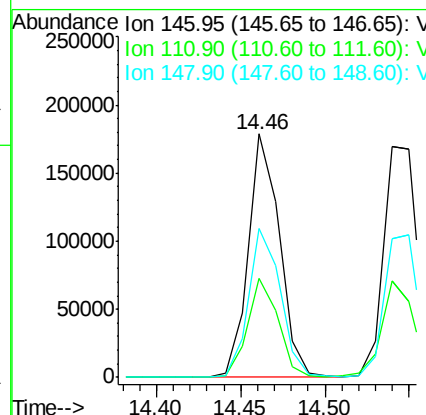
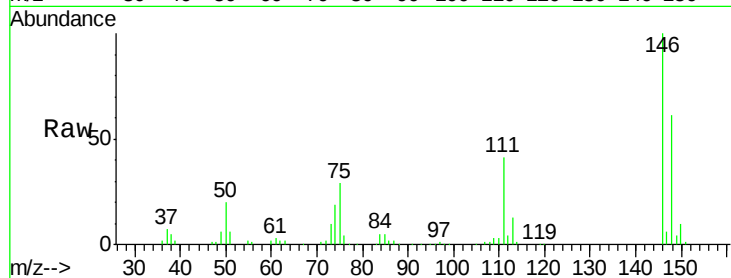




#87
 1,3-Dichlorobenzene
 Concen: 18.397 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

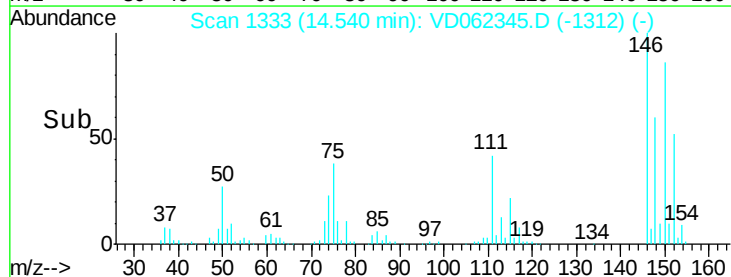
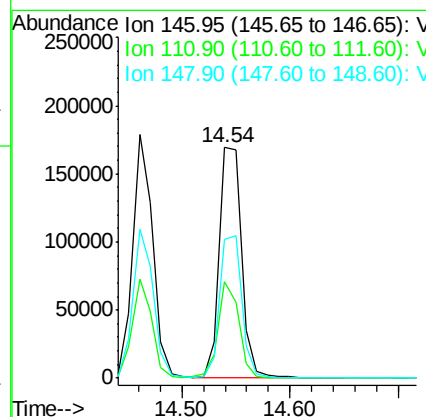
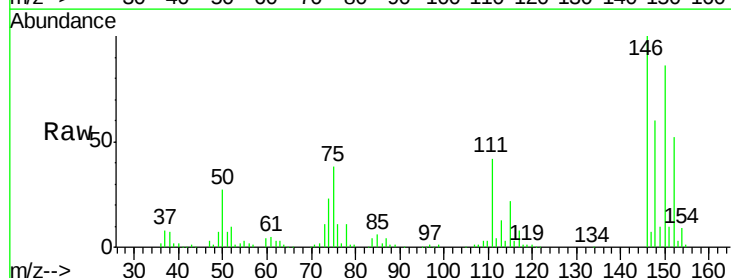
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD01

Tot Ion:146 Resp: 230322
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 61.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.649 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Tgt Ion:146 Resp: 241718
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.2 60.5
 148 60.0 32.0 96.2

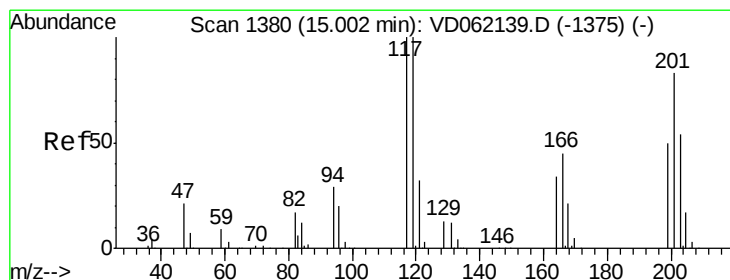
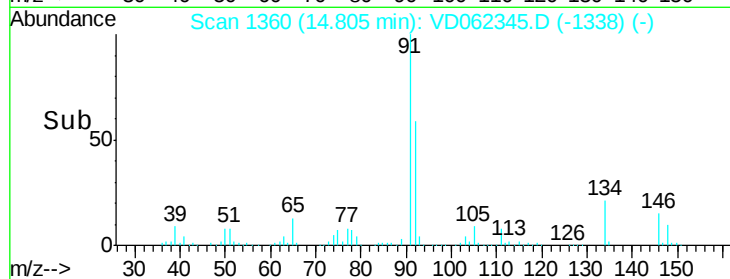
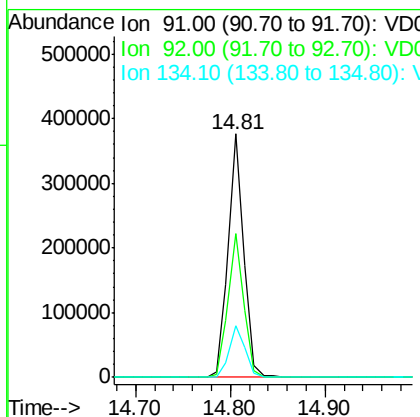
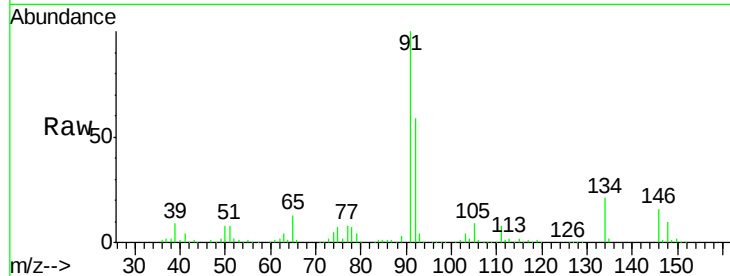




#89
n-Butylbenzene
Concen: 21.085 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

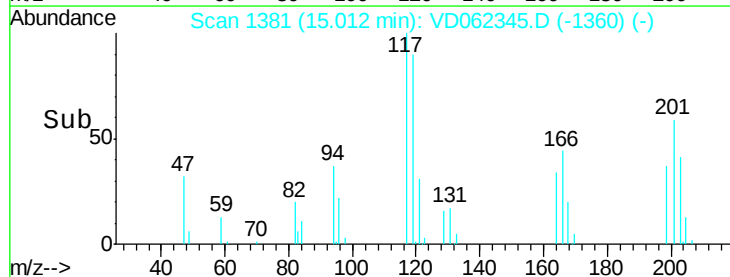
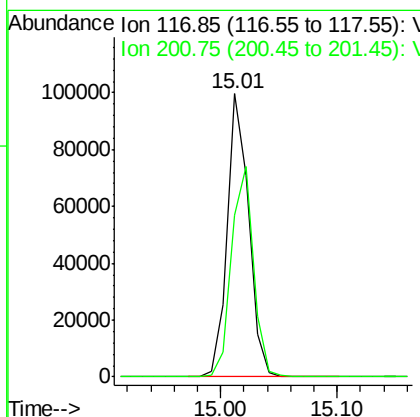
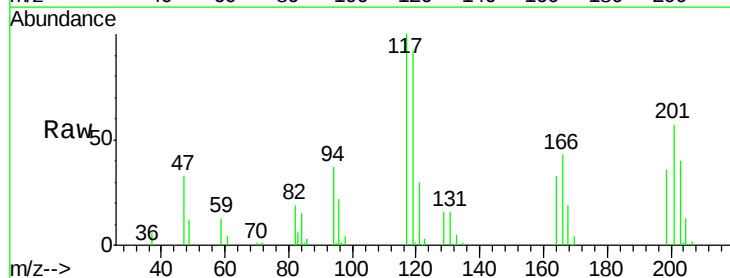
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

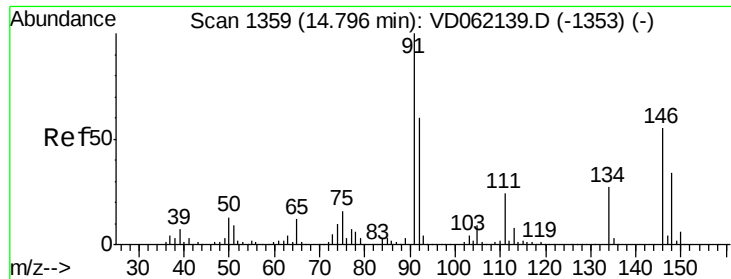
Tot Ion: 91 Resp: 429599
Ion Ratio Lower Upper
91 100
92 59.2 30.3 91.0
134 21.2 14.5 43.6



#90
Hexachloroethane
Concen: 20.639 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion: 117 Resp: 127403
Ion Ratio Lower Upper
117 100
201 57.4 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 20.142 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.02 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD01

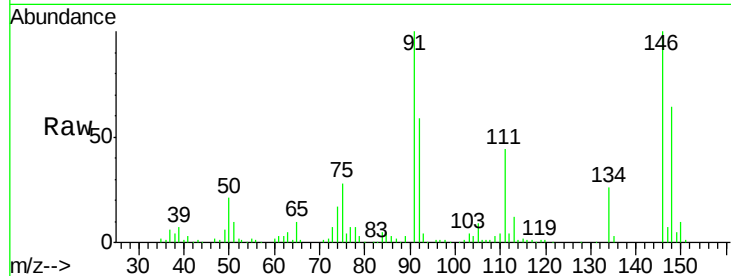
Tot Ion:146 Resp: 207685

Ion Ratio Lower Upper

146 100

111 43.8 20.0 59.9

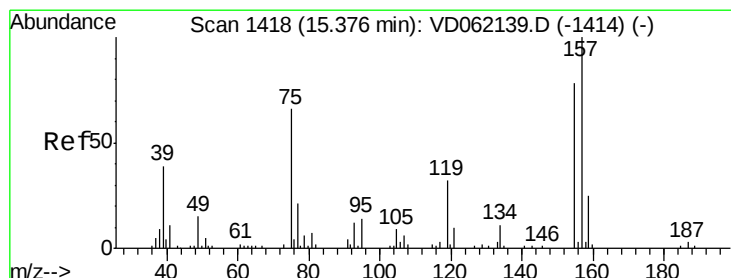
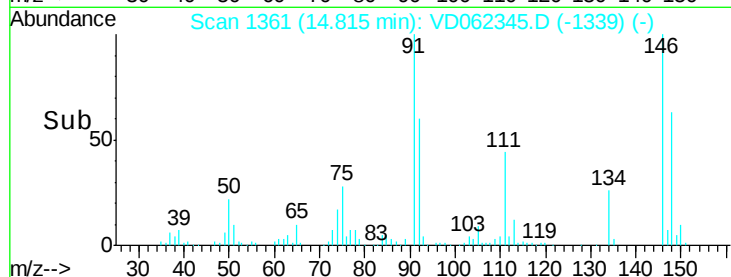
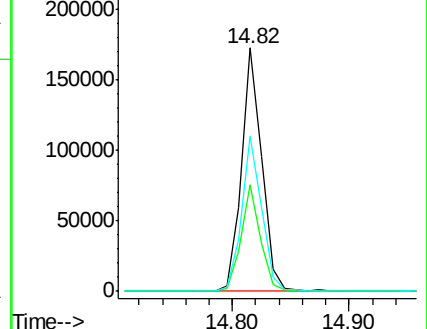
148 63.6 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.751 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VD062345.D

Acq: 14 May 2019 14:40

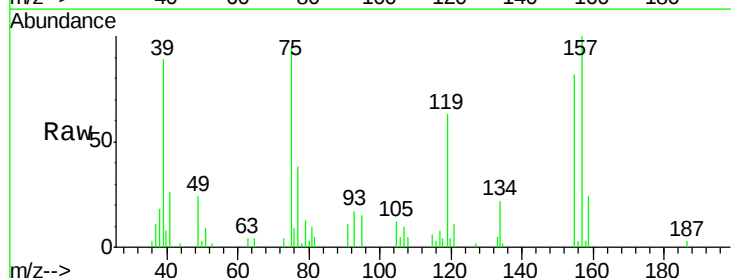
Tgt Ion: 75 Resp: 15788

Ion Ratio Lower Upper

75 100

155 86.2 55.3 165.8

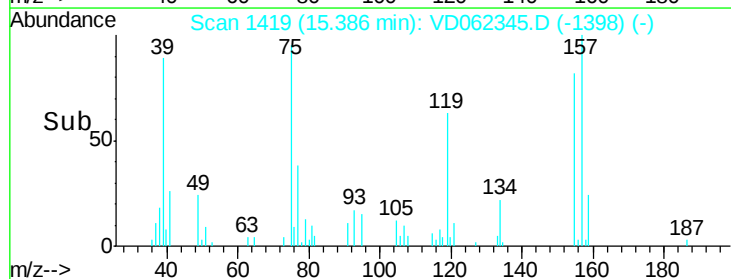
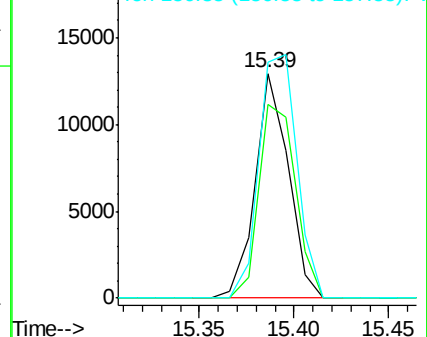
157 105.1 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

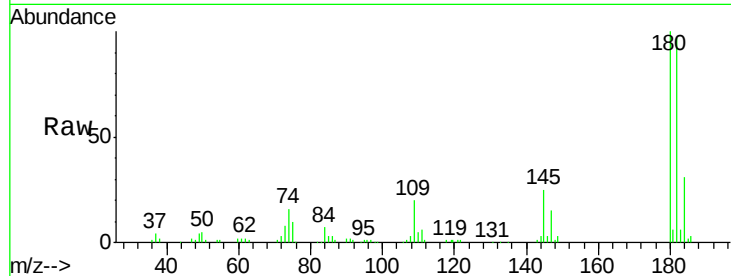




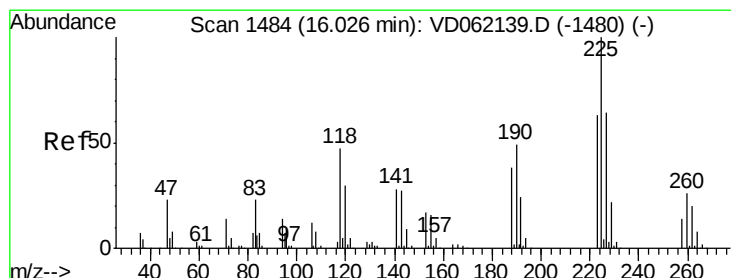
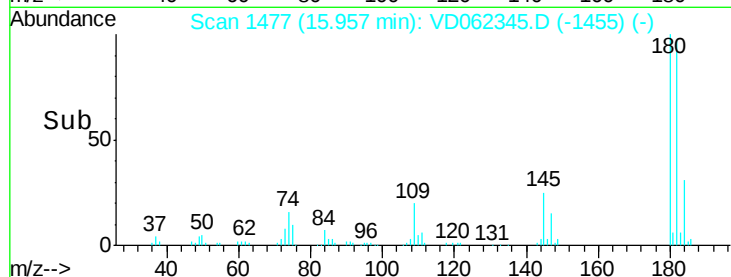
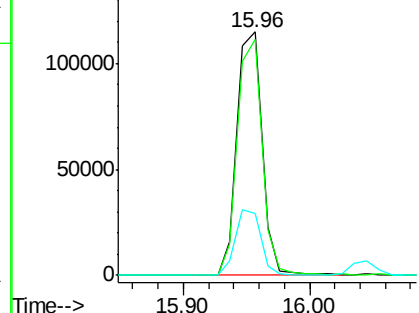
#93
 1,2,4-Trichlorobenzene
 Concen: 21.093 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	49.3	147.8
145	25.4	16.2	48.6

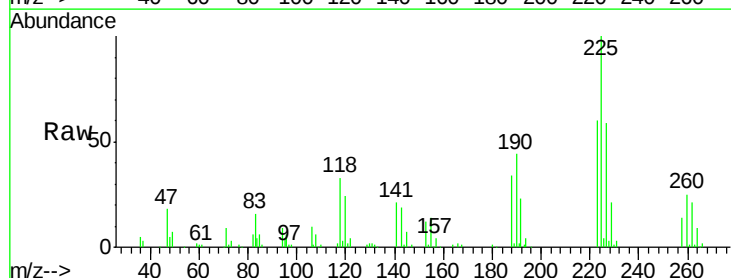


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

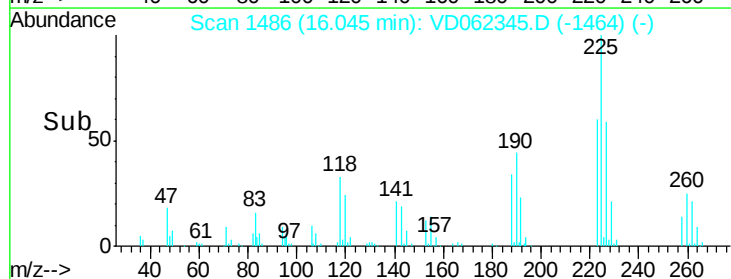
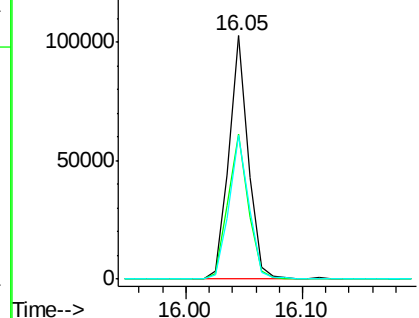


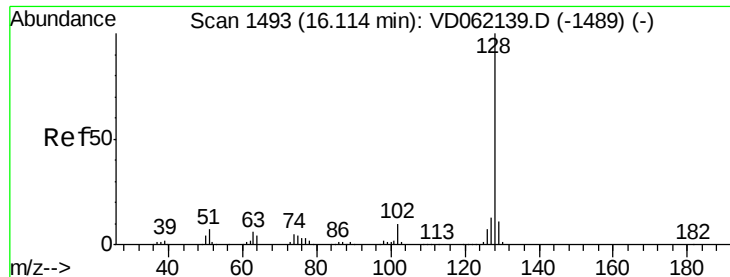
#94
 Hexachlorobutadiene
 Concen: 21.193 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062345.D
 Acq: 14 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.6	30.6	92.0
227	58.9	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

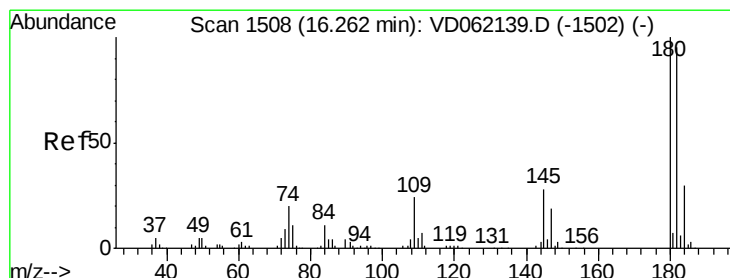
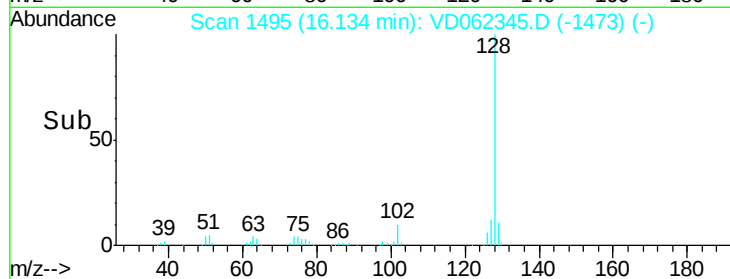
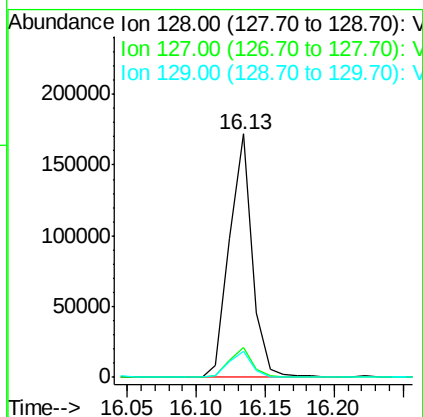
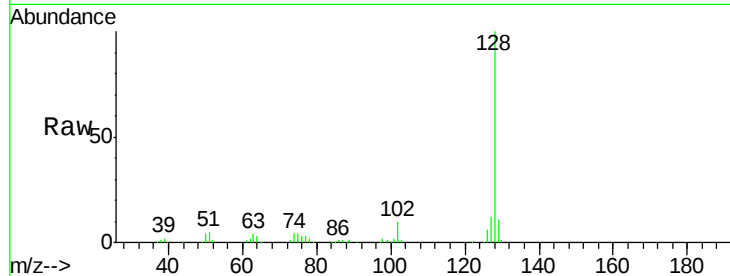




#95
Naphthalene
Concen: 18.899 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Tot Ion:128 Resp: 198021
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.608 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062345.D
Acq: 14 May 2019 14:40

Tgt Ion:180 Resp: 111396
Ion Ratio Lower Upper
180 100
182 96.0 47.0 141.0
145 24.3 17.0 51.0

