

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062560.D
 Acq On : 31 May 2019 13:37
 Operator : VA/AP
 Sample : VD0531SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

Quant Time: May 31 23:25:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	796808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1054674	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	901906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	501241	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	514510	55.07	ug/l	0.00
Spiked Amount						
			Recovery	=	110.14%	
35) Dibromofluoromethane	6.94	113	505413	52.59	ug/l	0.00
Spiked Amount						
			Recovery	=	105.18%	
50) Toluene-d8	10.43	98	1078157	51.20	ug/l	0.00
Spiked Amount						
			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	13.57	95	530021	55.81	ug/l	0.00
Spiked Amount						
			Recovery	=	111.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	215456	23.314	ug/l	93
3) Chloromethane	1.75	50	180748	17.870	ug/l	98
4) Vinyl Chloride	1.85	62	143060	20.265	ug/l	99
5) Bromomethane	2.16	94	55207	24.082	ug/l	97
6) Chloroethane	2.26	64	77691	23.469	ug/l	97
7) Trichlorofluoromethane	2.53	101	336408	22.550	ug/l	95
8) Diethyl Ether	2.87	74	45226	23.632	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.15	101	175527	19.924	ug/l	89
10) Methyl Iodide	3.31	142	189745	18.982	ug/l	94
11) Tert butyl alcohol	4.10	59	36393	91.326	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	136509	21.904	ug/l #	85
13) Acrolein	3.04	56	16204	93.324	ug/l	84
14) Allyl chloride	3.62	41	197642	20.302	ug/l	83
15) Acrylonitrile	4.21	53	87383	91.729	ug/l	98
16) Acetone	3.24	43	187271	102.018	ug/l #	88
17) Carbon Disulfide	3.38	76	371697	18.348	ug/l	97
18) Methyl Acetate	3.65	43	58458	19.511	ug/l #	89
19) Methyl tert-butyl Ether	4.25	73	290258	19.226	ug/l	99
20) Methylene Chloride	3.82	84	135436	19.931	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	141084	19.948	ug/l	95
22) Diisopropyl ether	5.14	45	399919	20.109	ug/l	95
23) Vinyl Acetate	5.07	43	1224154	101.499	ug/l	98
24) 1,1-Dichloroethane	5.00	63	253161	19.726	ug/l	99
25) 2-Butanone	6.09	43	165602	95.788	ug/l	99
26) 2,2-Dichloropropane	6.03	77	300466	21.103	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	144450	19.870	ug/l	93
28) Bromochloromethane	6.45	49	90333	20.369	ug/l	93
29) Tetrahydrofuran	6.47	42	78199	100.977	ug/l	96
30) Chloroform	6.67	83	331445	21.432	ug/l	94
31) Cyclohexane	6.97	56	170816	19.686	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	352639	21.910	ug/l	93
36) 1,1-Dichloropropene	7.16	75	225243	21.454	ug/l	95
37) Ethyl Acetate	6.20	43	88244	19.937	ug/l #	90
38) Carbon Tetrachloride	7.13	117	353177	22.595	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	181618	20.432	ug/l	95
40) Benzene	7.46	78	439109	21.310	ug/l	98
41) Methacrylonitrile	6.47	41	107825	20.701	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	257151	22.404	ug/l	97
43) Isopropyl Acetate	9.25	43	109814	19.934	ug/l #	97
44) Trichloroethene	8.56	130	171973	20.890	ug/l	82
45) 1,2-Dichloropropane	8.95	63	109451	21.665	ug/l	99
46) Dibromomethane	9.08	93	91683	21.606	ug/l	93
47) Bromodichloromethane	9.38	83	247542	21.172	ug/l	97
48) Methyl methacrylate	9.14	41	77631	21.158	ug/l #	86
49) 1,4-Dioxane	9.10	88	11882	398.690	ug/l #	65
51) 4-Methyl-2-Pentanone	10.32	43	387563	100.838	ug/l	97
52) Toluene	10.52	92	278151	19.792	ug/l	92
53) t-1,3-Dichloropropene	10.93	75	210316	21.291	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	211201	20.565	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	94461	20.470	ug/l	90
56) Ethyl methacrylate	11.06	69	103674	21.079	ug/l	96
57) 1,3-Dichloropropane	11.42	76	140988	19.819	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	258687	102.551	ug/l	98
59) 2-Hexanone	11.55	43	287524	106.654	ug/l	96
60) Dibromochloromethane	11.70	129	186752	20.825	ug/l	96
61) 1,2-Dibromoethane	11.81	107	116756	21.033	ug/l	99
64) Tetrachloroethene	11.27	164	156648	19.648	ug/l	99
65) Chlorobenzene	12.40	112	347747	19.792	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	171816	20.677	ug/l	98
67) Ethyl Benzene	12.53	91	693144	21.532	ug/l	99
68) m/p-Xylenes	12.68	106	450050	40.414	ug/l	99
69) o-Xylene	13.05	106	199932	18.821	ug/l	79
70) Styrene	13.08	104	367392	20.369	ug/l	99
71) Bromoform	13.24	173	116860	20.034	ug/l #	96
73) Isopropylbenzene	13.41	105	714414	21.620	ug/l	95
74) N-amyl acetate	13.27	43	155008	18.397	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	105864	20.200	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	120709	20.073	ug/l	100
77) Bromobenzene	13.67	156	178230	19.672	ug/l	78
78) n-propylbenzene	13.78	91	772915	20.292	ug/l	98
79) 2-Chlorotoluene	13.85	91	472565	21.397	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	618812	21.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	31862	18.491	ug/l #	81
82) 4-Chlorotoluene	13.95	91	593784	22.458	ug/l	87
83) tert-Butylbenzene	14.20	119	667656	21.190	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	589402	20.485	ug/l	98
85) sec-Butylbenzene	14.37	105	721685	21.622	ug/l	97
86) p-Isopropyltoluene	14.50	119	642728	20.611	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	332658	21.181	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	339314	21.559	ug/l	96
89) n-Butylbenzene	14.81	91	597692	21.471	ug/l	98
90) Hexachloroethane	15.01	117	176541	21.339	ug/l	81
91) 1,2-Dichlorobenzene	14.82	146	293891	22.244	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.39	75	23133	21.287	ug/l	72

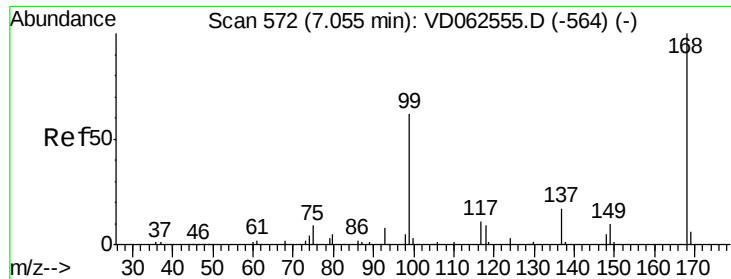
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD053119\
Data File : VD062560.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	208500	19.736	ug/l	95
94) Hexachlorobutadiene	16.05	225	164307	21.068	ug/l	98
95) Naphthalene	16.13	128	287722	19.999	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	154474	19.575	ug/l	96

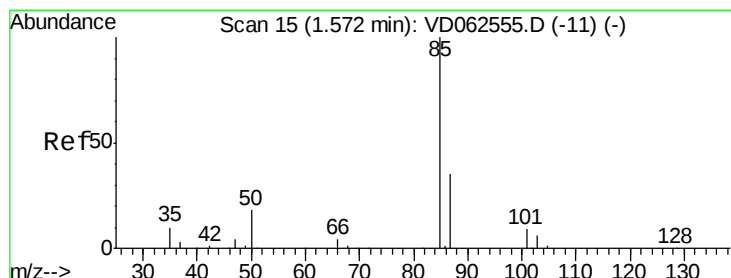
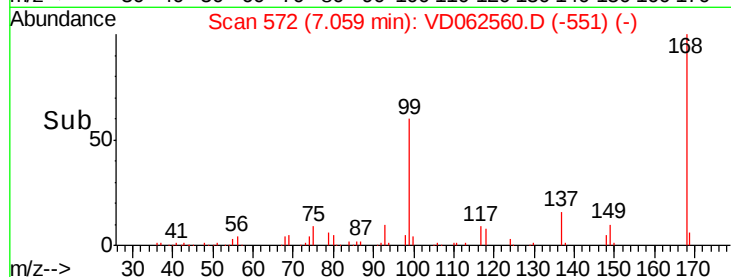
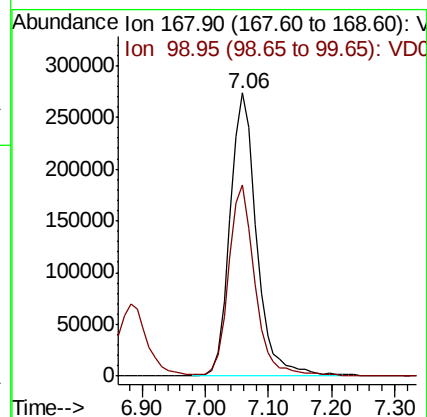
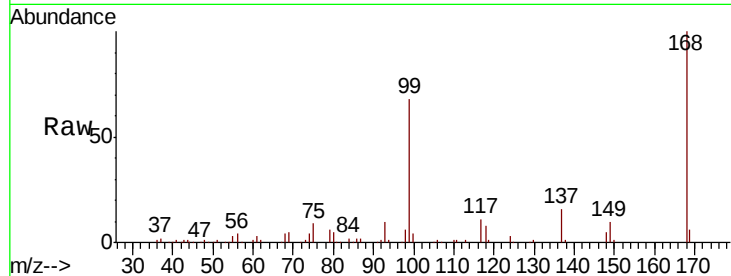
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

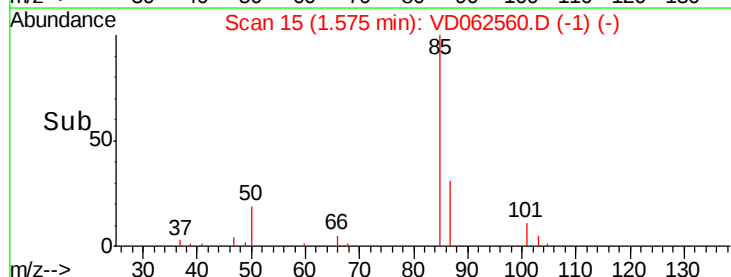
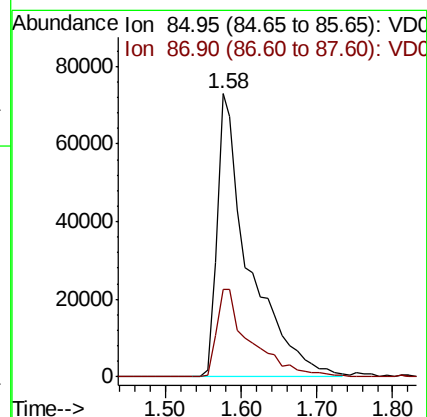
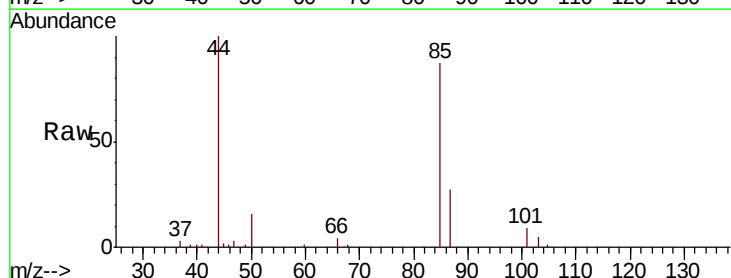
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

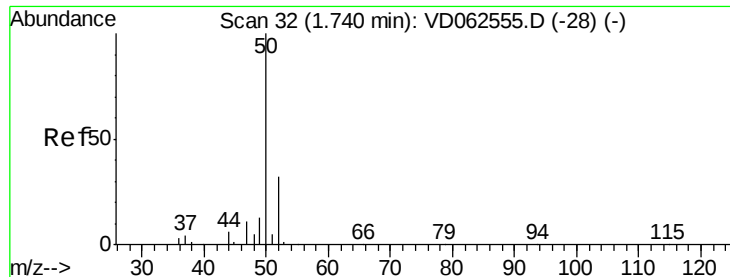
Tot Ion:168 Resp: 796808
Ion Ratio Lower Upper
168 100
99 67.7 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 23.314 ug/l
RT: 1.58 min Scan# 15
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 85 Resp: 215456
Ion Ratio Lower Upper
85 100
87 31.1 17.5 52.6





#3

Chloromethane

Concen: 17.870 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

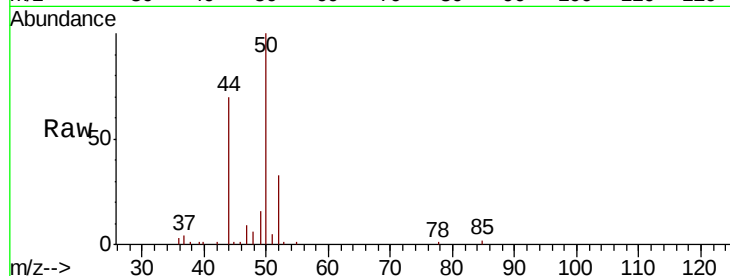
VD0531SBS01

Tot Ion: 50 Resp: 180748

Ion Ratio Lower Upper

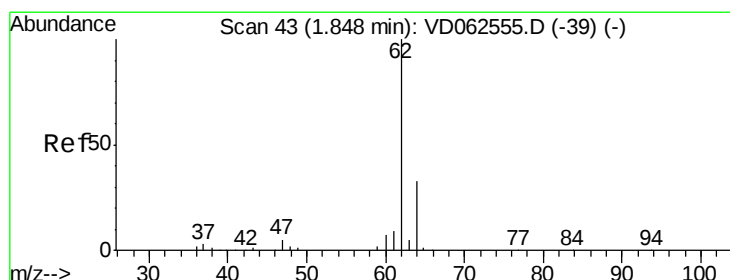
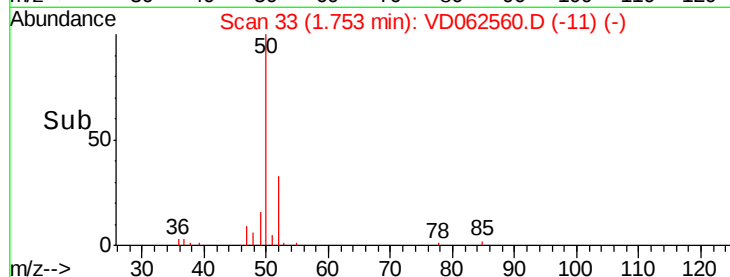
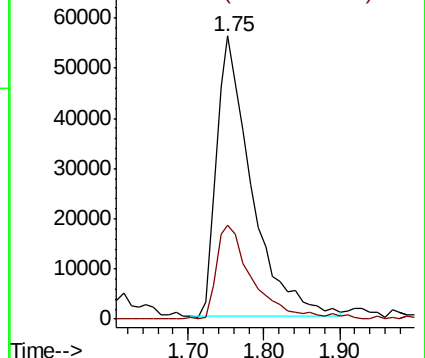
50 100

52 33.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.265 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062560.D

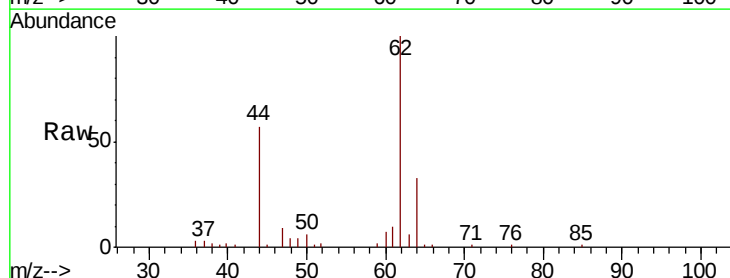
Acq: 31 May 2019 13:37

Tgt Ion: 62 Resp: 143060

Ion Ratio Lower Upper

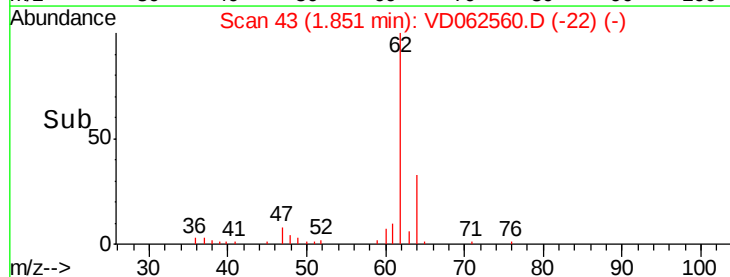
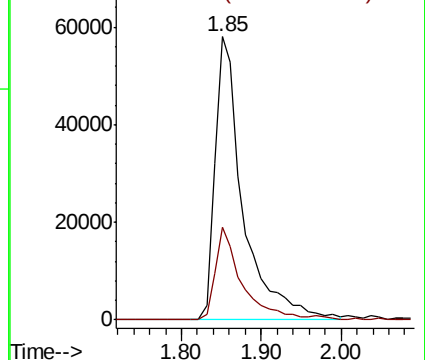
62 100

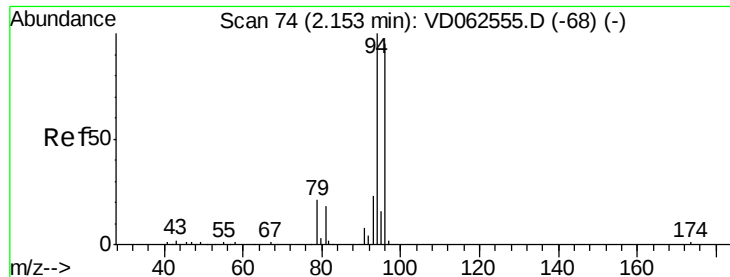
64 32.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 24.082 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

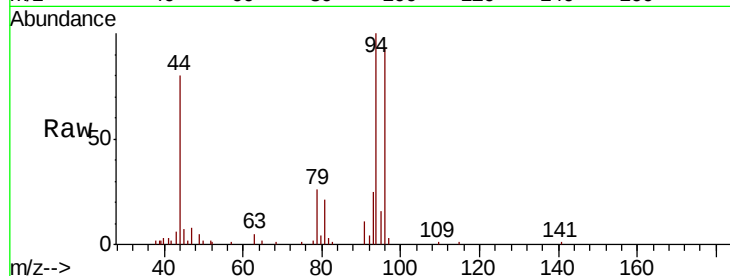
Tot Ion: 94 Resp: 55207

Ion Ratio Lower Upper

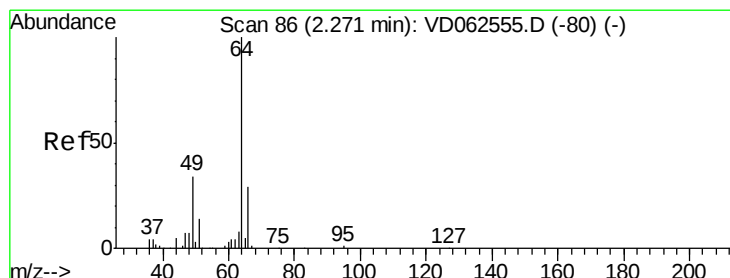
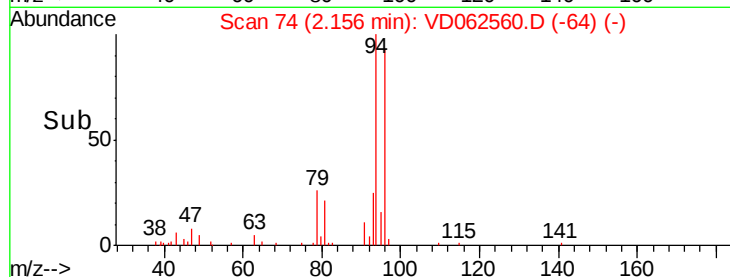
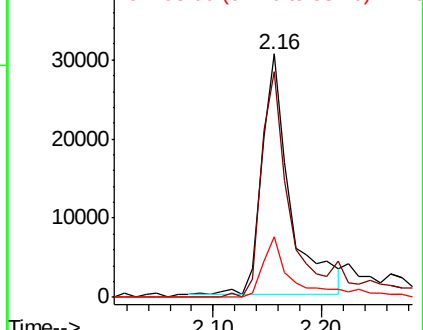
94 100

96 92.7 76.2 114.4

93 24.7 18.4 27.6



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: 23.469 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062560.D

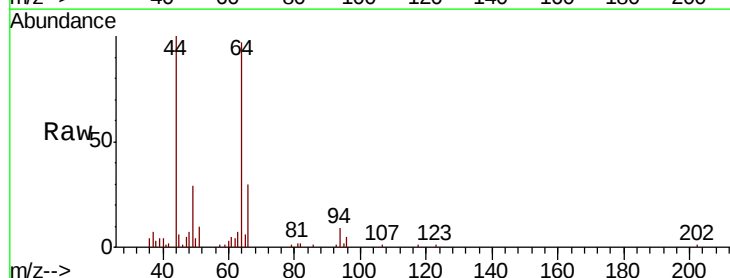
Acq: 31 May 2019 13:37

Tgt Ion: 64 Resp: 77691

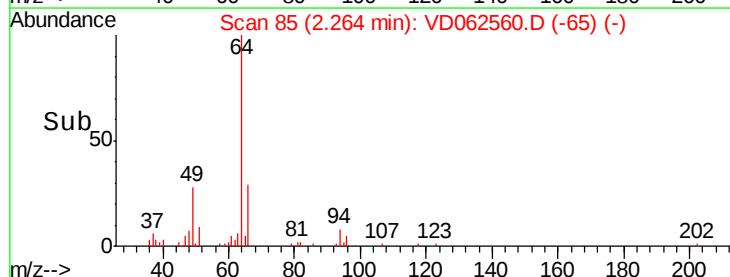
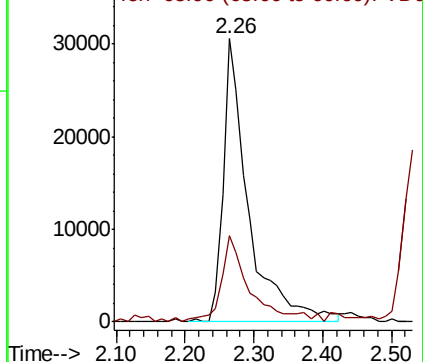
Ion Ratio Lower Upper

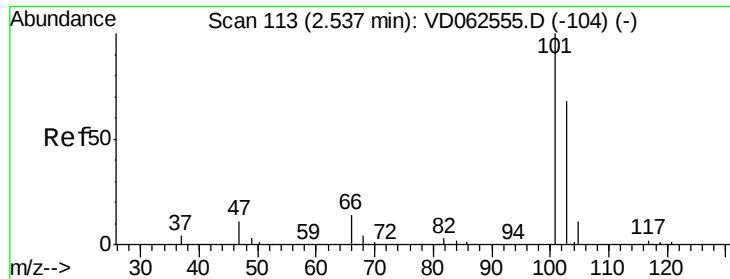
64 100

66 30.7 23.4 35.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



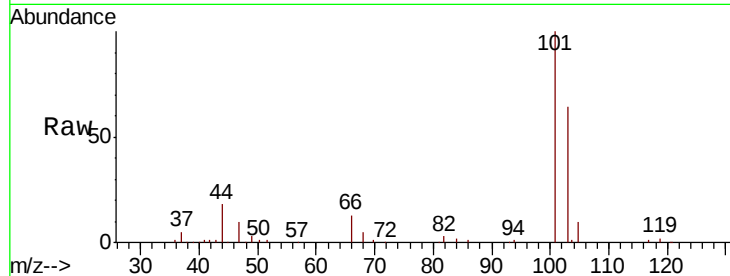


#7

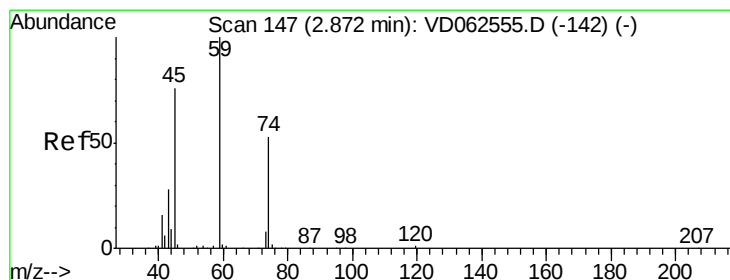
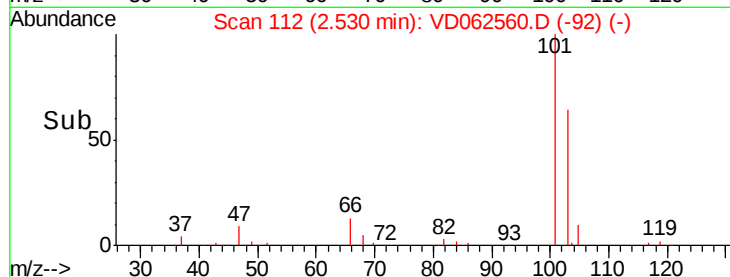
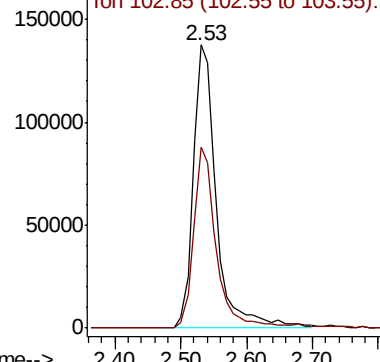
Trichlorofluoromethane
Concen: 22.550 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion:101 Resp: 336408
Ion Ratio Lower Upper
101 100
103 64.1 54.3 81.5



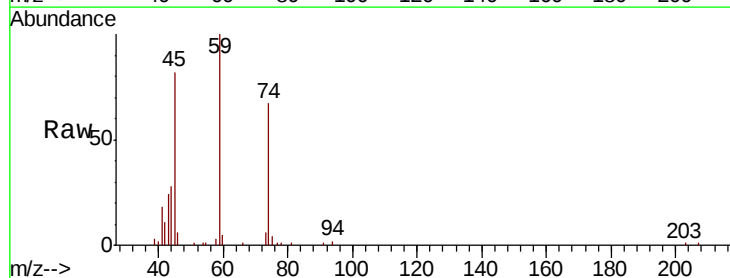
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



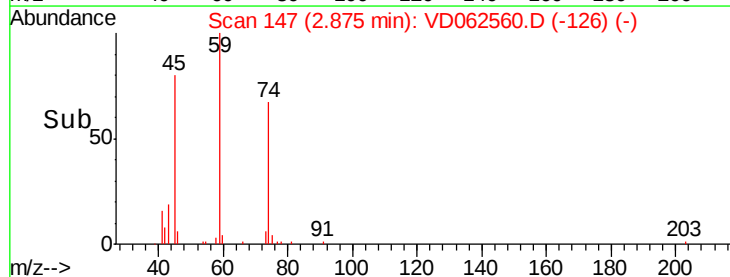
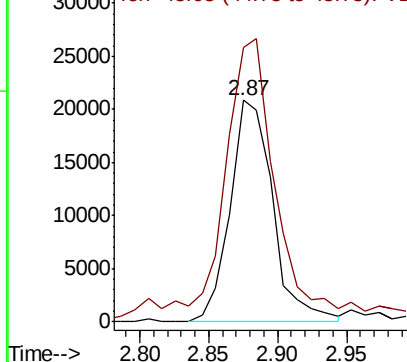
#8

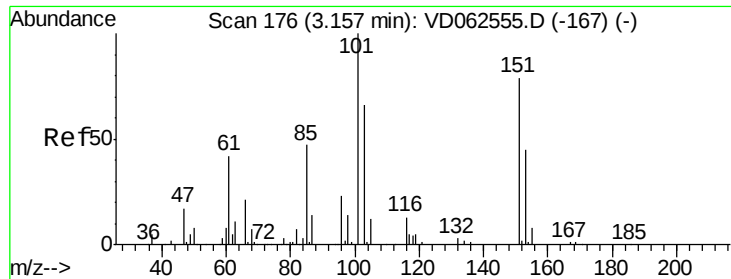
Diethyl Ether
Concen: 23.632 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 74 Resp: 45226
Ion Ratio Lower Upper
74 100
45 123.5 71.9 215.7



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: 19.924 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

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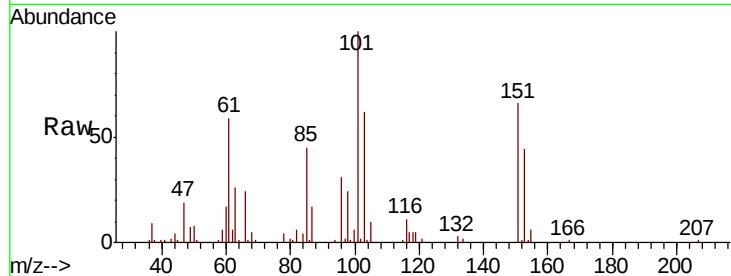
Tot Ion:101 Resp: 175527

Ion Ratio Lower Upper

101 100

85 44.7 37.6 56.4

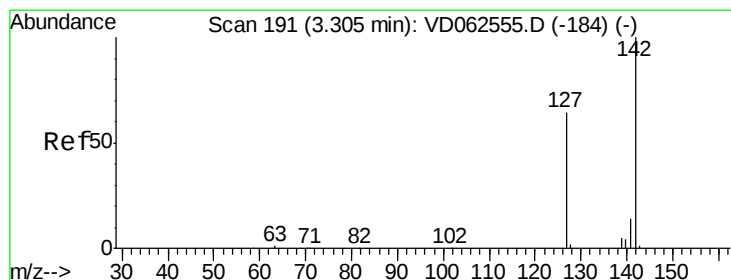
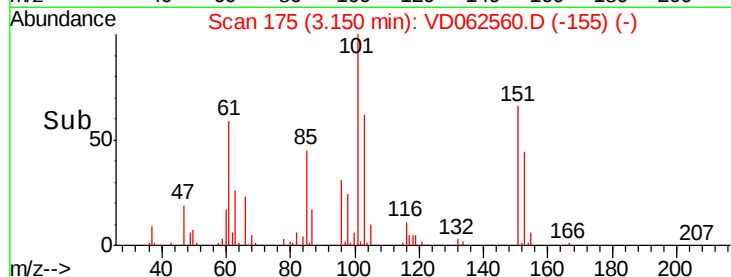
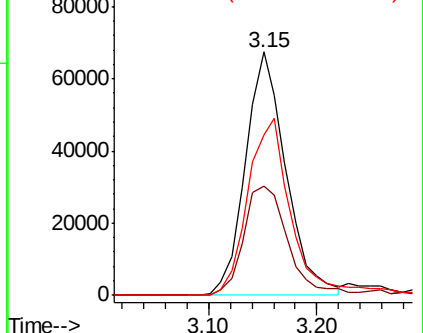
151 65.7 63.0 94.4



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: 18.982 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

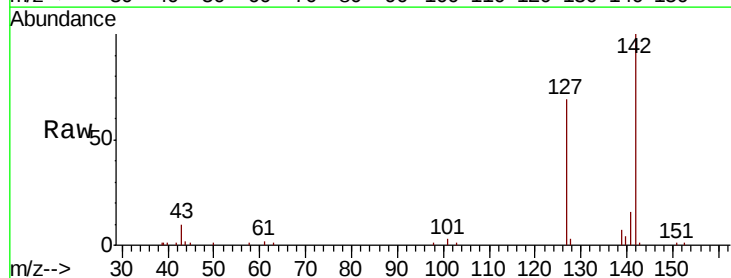
Tgt Ion:142 Resp: 189745

Ion Ratio Lower Upper

142 100

127 68.7 51.2 76.8

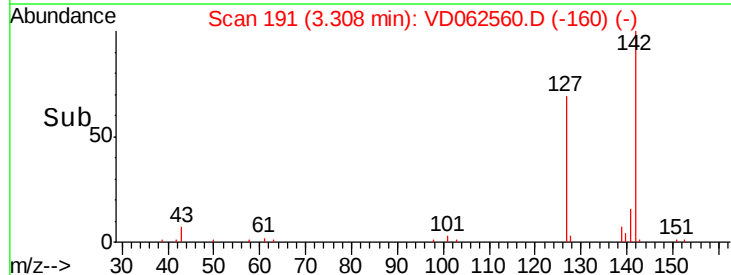
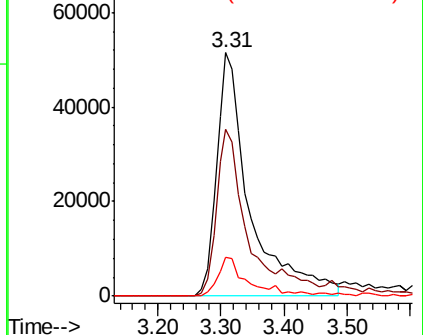
141 16.0 11.0 16.4

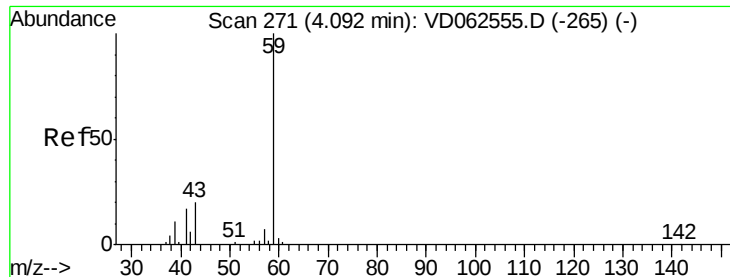


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

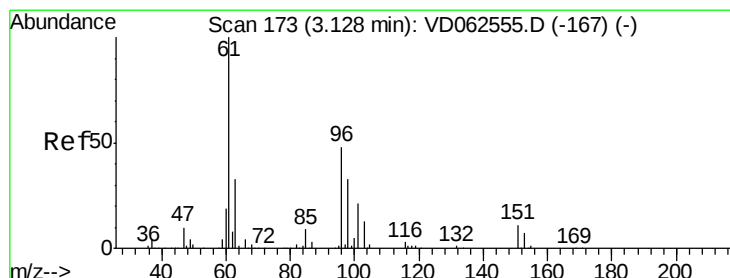
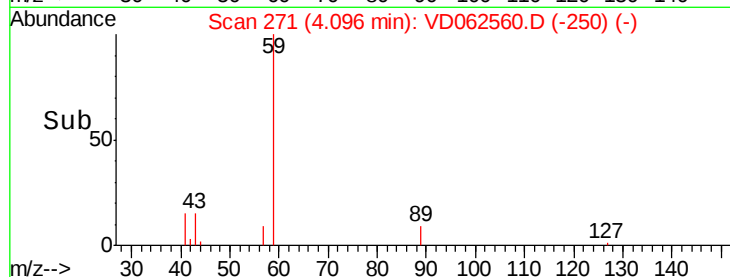
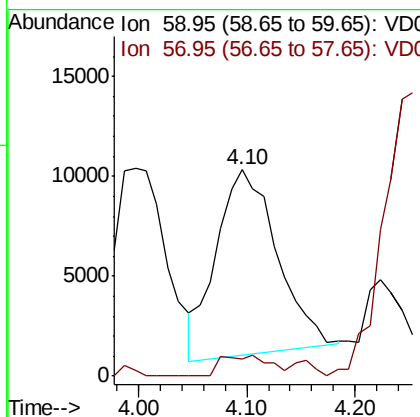
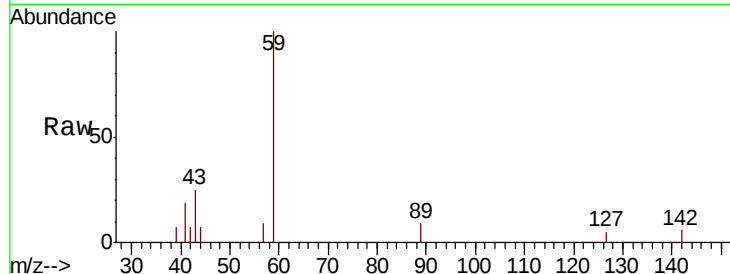




#11
Tert butyl alcohol
Concen: 91.326 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

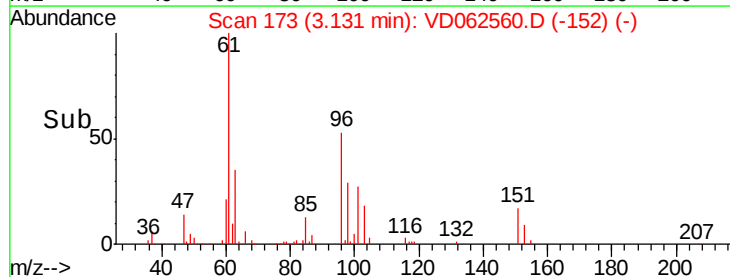
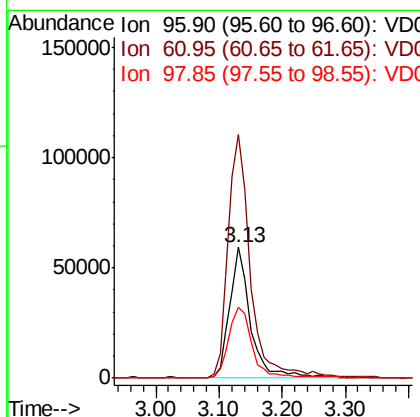
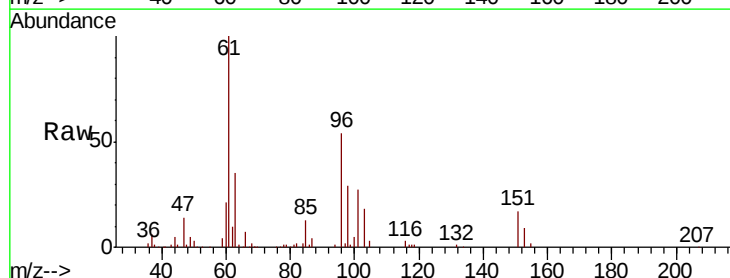
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

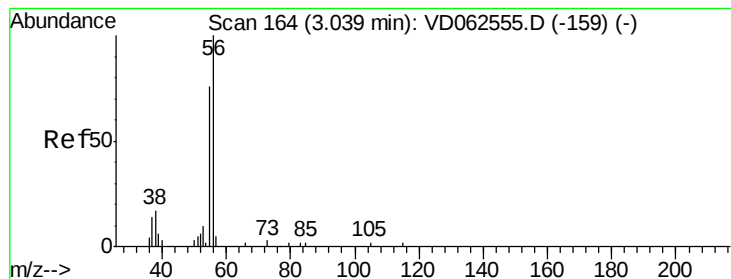
Tot Ion: 59 Resp: 36393
Ion Ratio Lower Upper
59 100
57 8.6 5.4 8.0#



#12
1,1-Dichloroethene
Concen: 21.904 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 96 Resp: 136509
Ion Ratio Lower Upper
96 100
61 186.2 166.6 250.0
98 53.7 54.4 81.6#





#13

Acrolein

Concen: 93.324 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

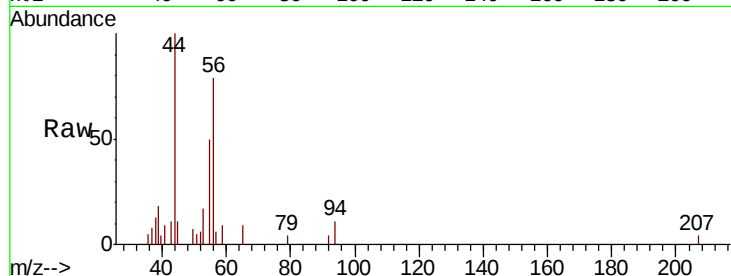
VD0531SBS01

Tot Ion: 56 Resp: 16204

Ion Ratio Lower Upper

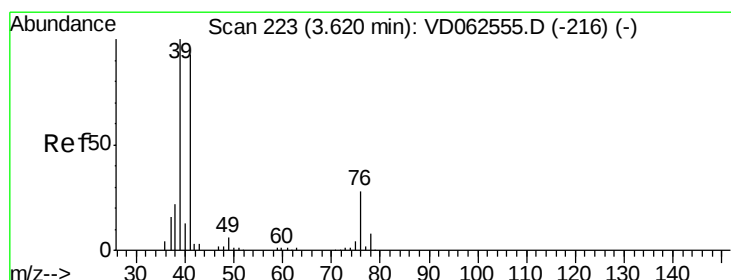
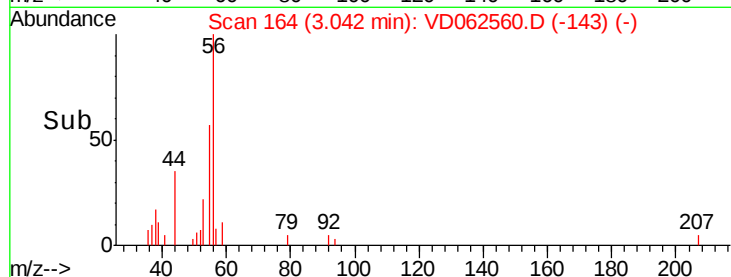
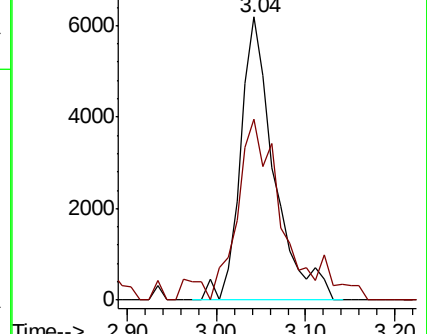
56 100

55 64.0 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.302 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

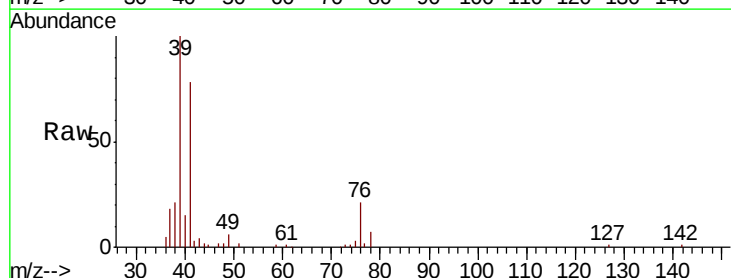
Tgt Ion: 41 Resp: 197642

Ion Ratio Lower Upper

41 100

39 128.6 86.3 129.5

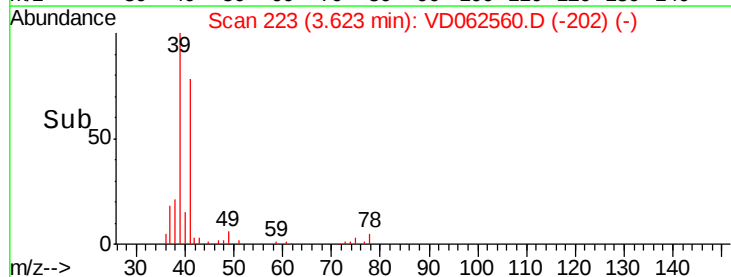
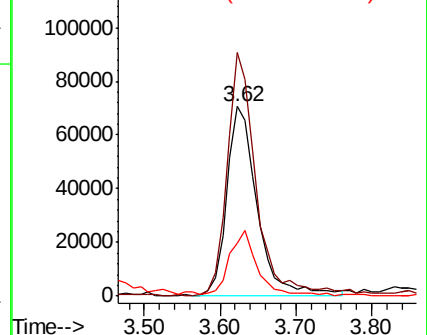
76 27.6 25.5 38.3

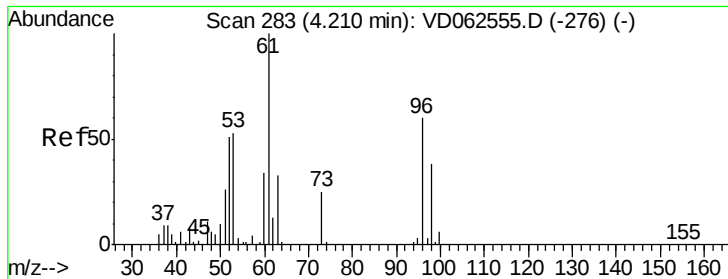


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 91.729 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

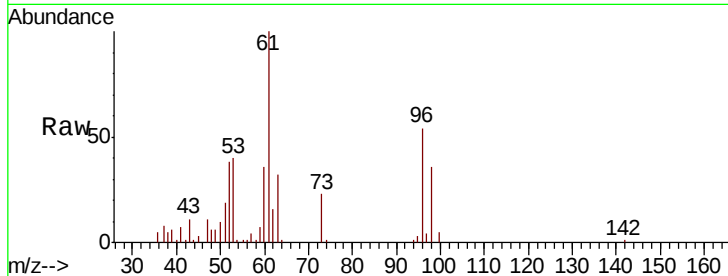
Tot Ion: 53 Resp: 87383

Ion Ratio Lower Upper

53 100

52 95.6 76.2 114.2

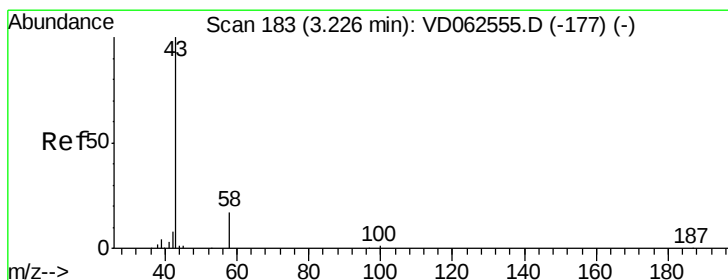
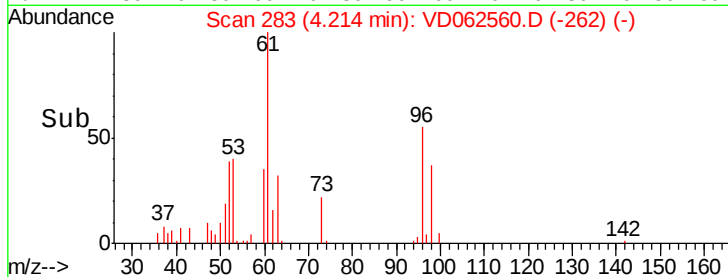
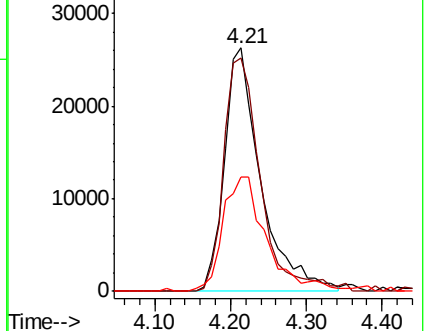
51 47.0 40.2 60.4



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: 102.018 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062560.D

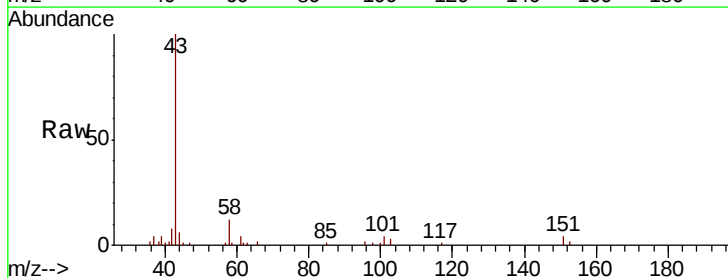
Acq: 31 May 2019 13:37

Tgt Ion: 43 Resp: 187271

Ion Ratio Lower Upper

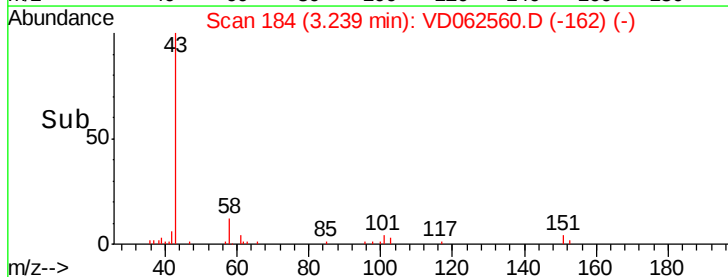
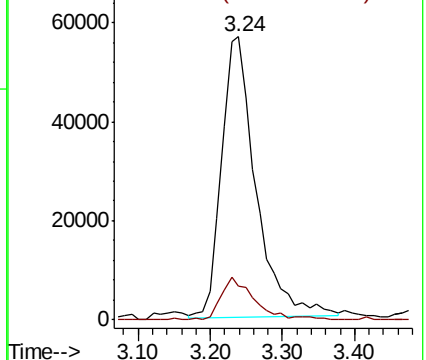
43 100

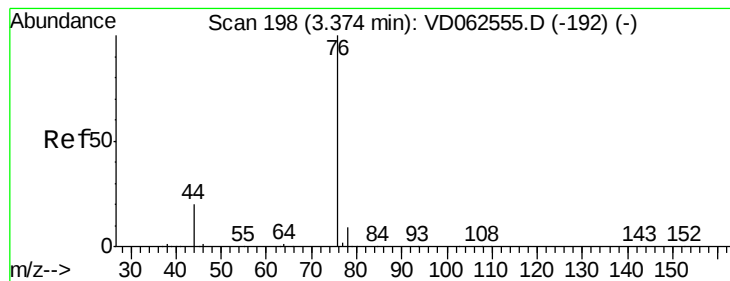
58 11.9 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.348 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

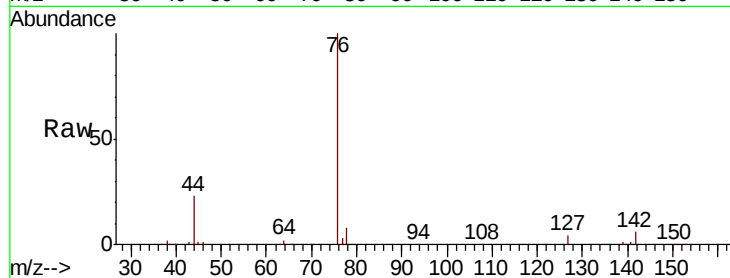
VD0531SBS01

Tot Ion: 76 Resp: 371697

Ion Ratio Lower Upper

76 100

78 8.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

150000

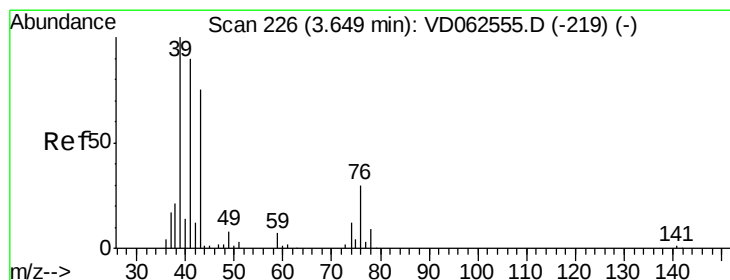
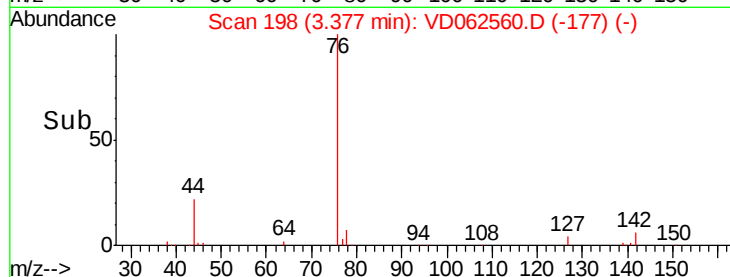
100000

50000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 19.511 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062560.D

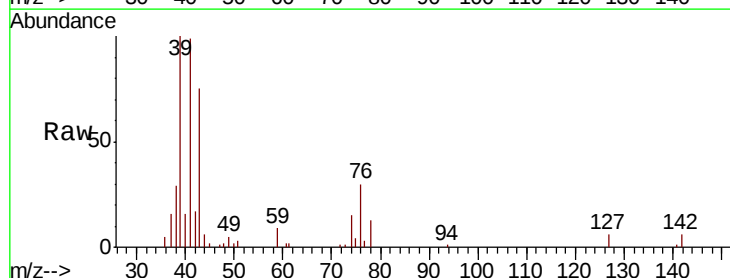
Acq: 31 May 2019 13:37

Tgt Ion: 43 Resp: 58458

Ion Ratio Lower Upper

43 100

74 20.0 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

20000

15000

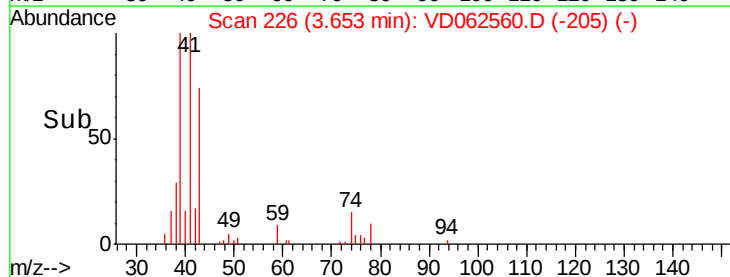
10000

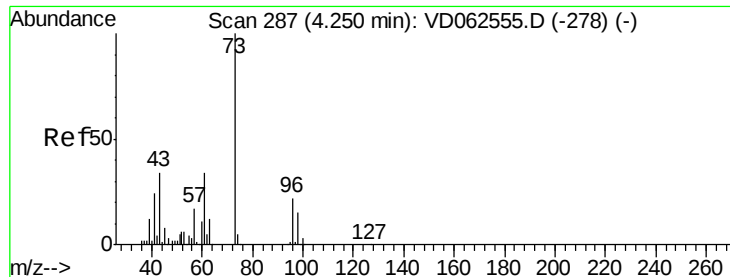
5000

0

3.60 3.70

Time-->



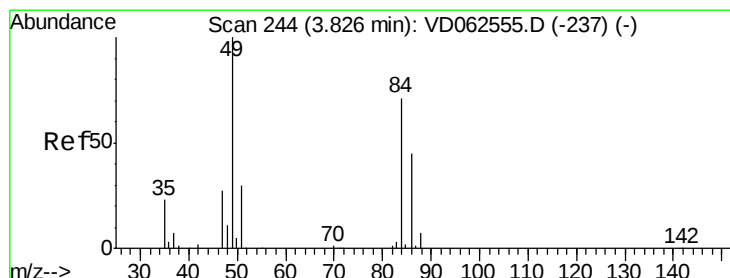
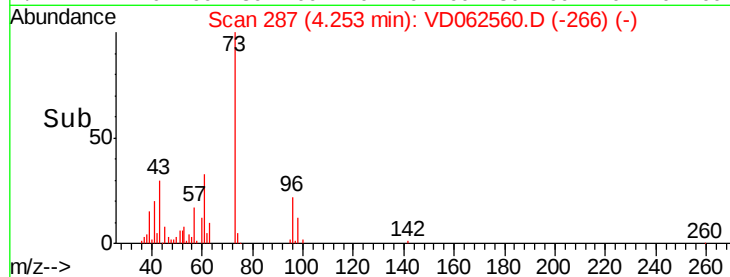
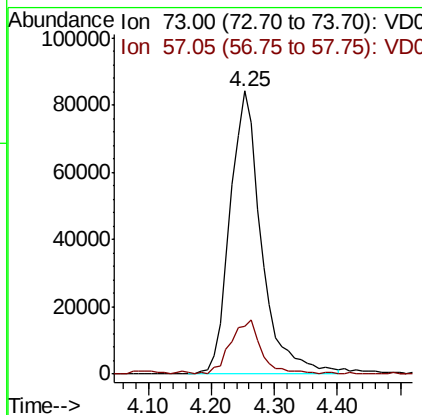
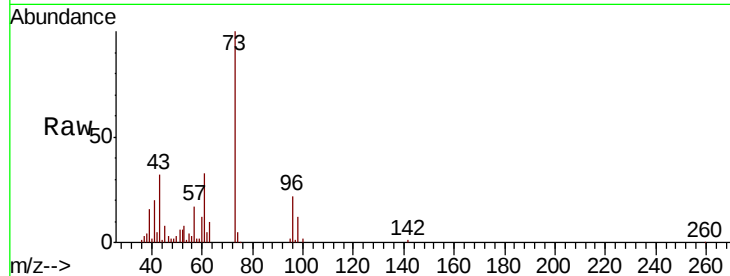


#19

Methyl tert-butyl Ether
 Concen: 19.226 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

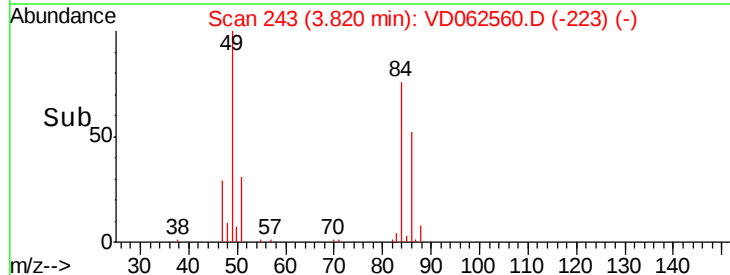
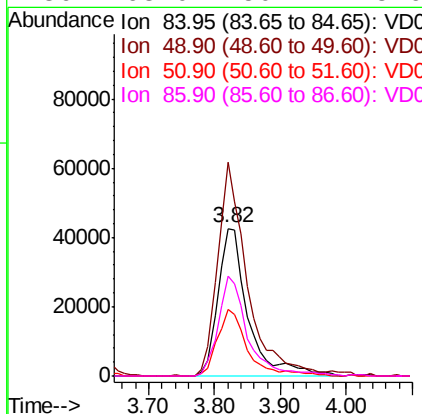
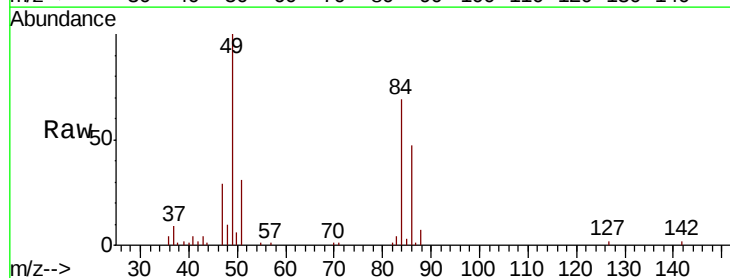
Tot Ion: 73 Resp: 290258
 Ion Ratio Lower Upper
 73 100
 57 16.8 13.8 20.8

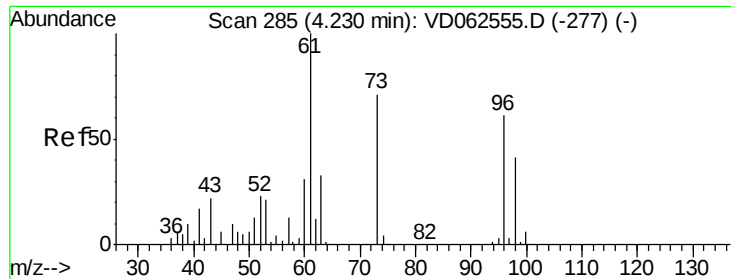


#20

Methylene Chloride
 Concen: 19.931 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion: 84 Resp: 135436
 Ion Ratio Lower Upper
 84 100
 49 144.9 112.3 168.5
 51 44.9 33.6 50.4
 86 68.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.948 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

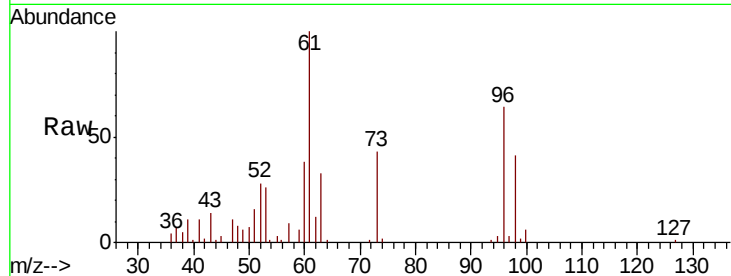
Tot Ion: 96 Resp: 141084

Ion Ratio Lower Upper

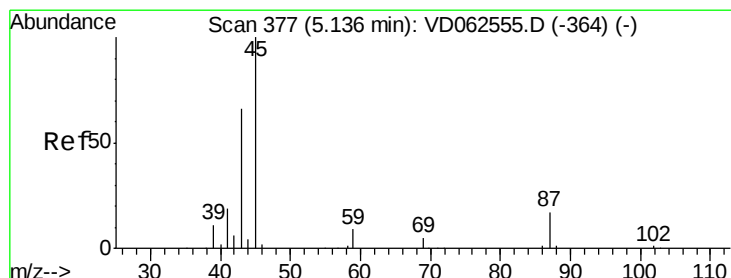
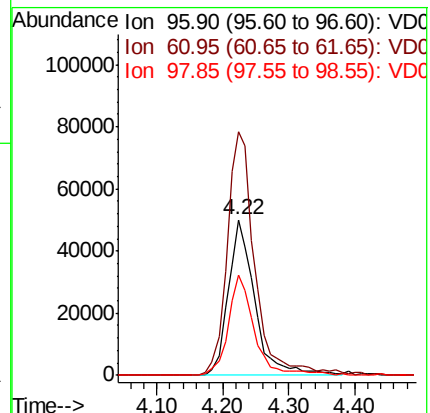
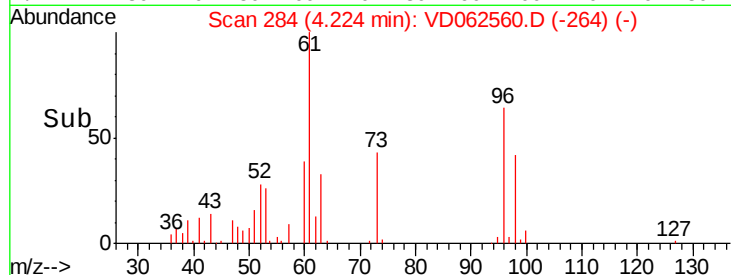
96 100

61 156.4 131.1 196.7

98 64.7 54.2 81.4



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: 20.109 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Tgt Ion: 45 Resp: 399919

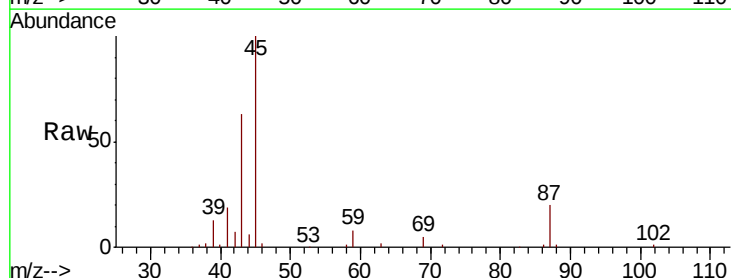
Ion Ratio Lower Upper

45 100

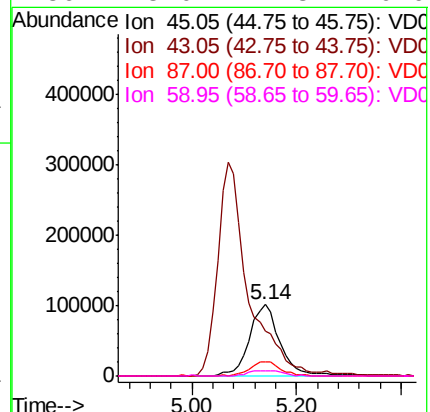
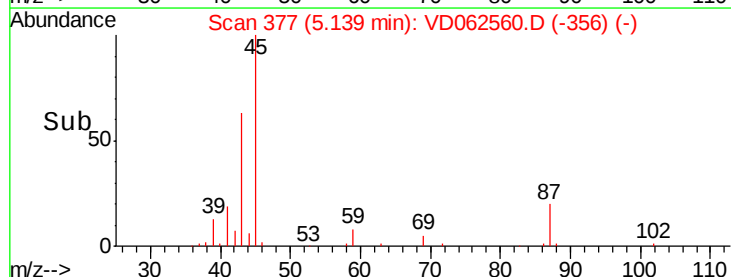
43 62.6 53.6 80.4

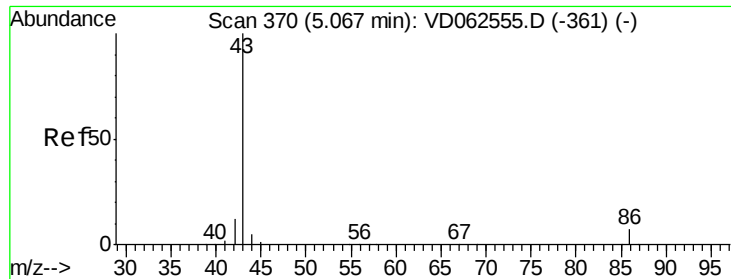
87 19.8 14.2 21.4

59 8.0 7.3 10.9



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

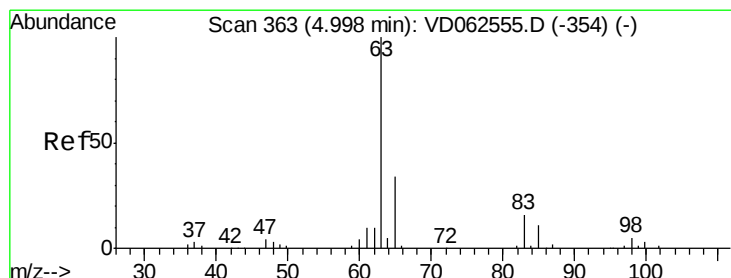
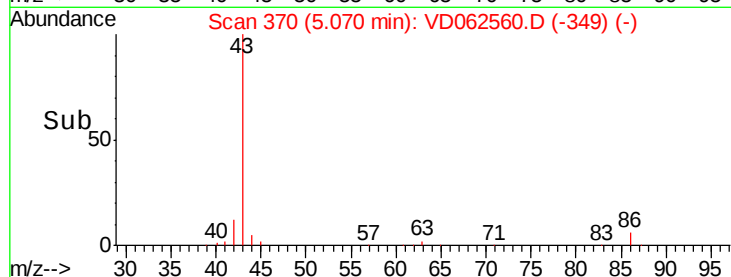
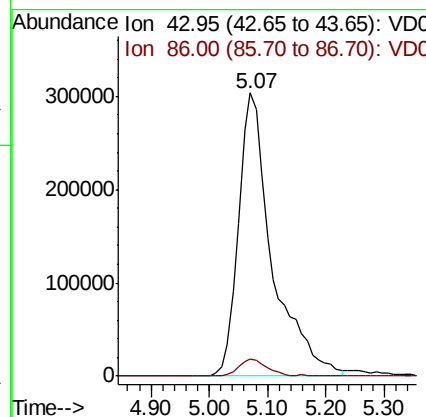
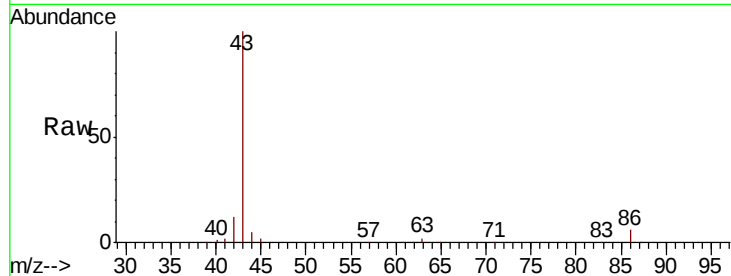




#23
 Vinyl Acetate
 Concen: 101.499 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

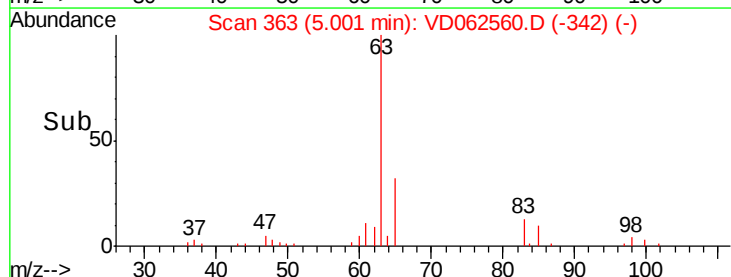
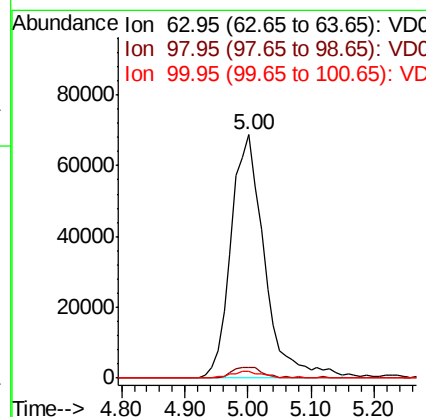
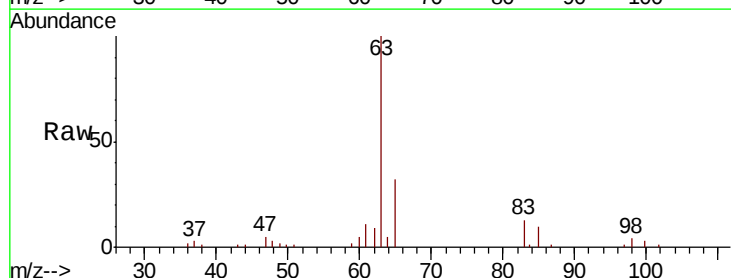
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

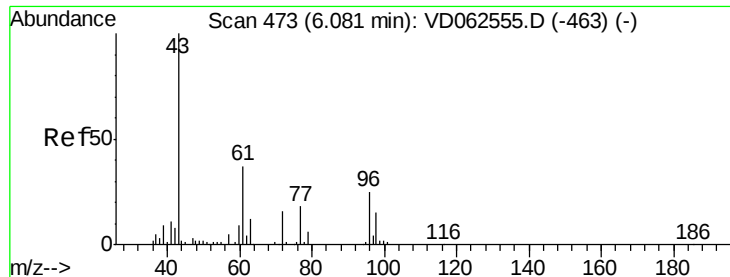
Tot Ion: 43 Resp: 1224154
 Ion Ratio Lower Upper
 43 100
 86 6.2 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 19.726 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion: 63 Resp: 253161
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.5 7.5
 100 3.0 1.6 4.7





#25

2-Butanone

Concen: 95.788 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

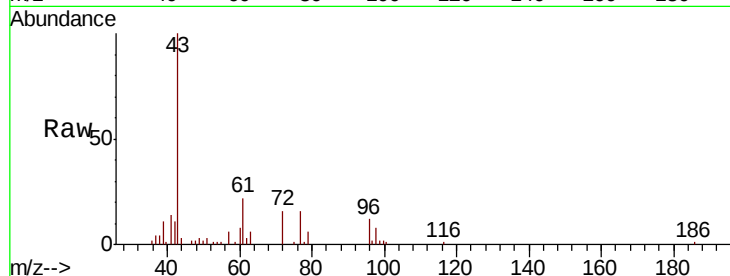
VD0531SBS01

Tot Ion: 43 Resp: 165602

Ion Ratio Lower Upper

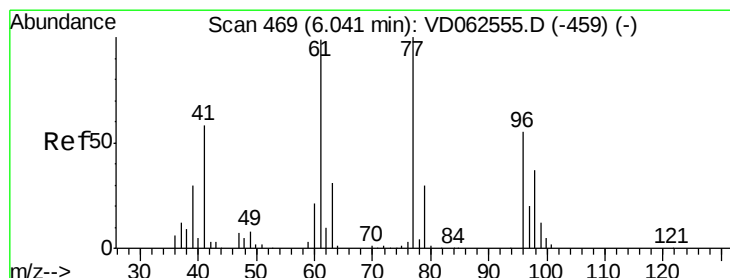
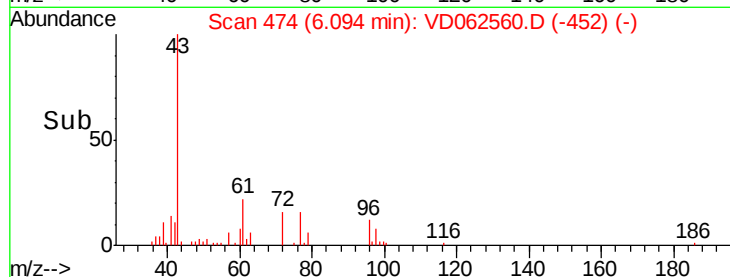
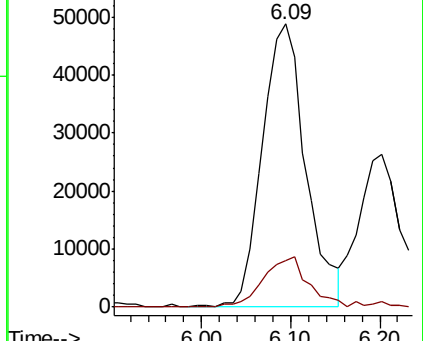
43 100

72 16.5 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.103 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062560.D

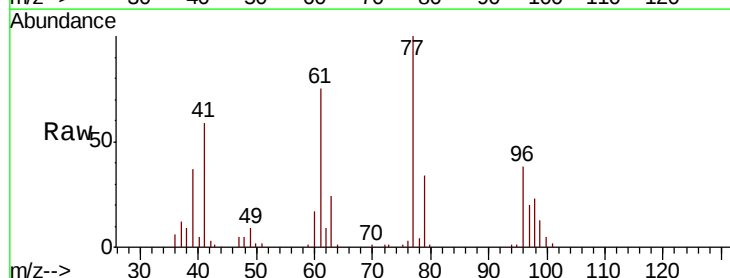
Acq: 31 May 2019 13:37

Tgt Ion: 77 Resp: 300466

Ion Ratio Lower Upper

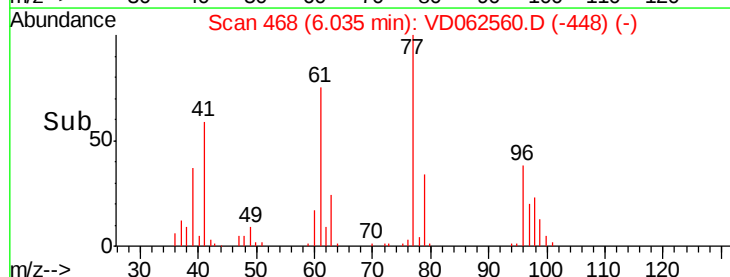
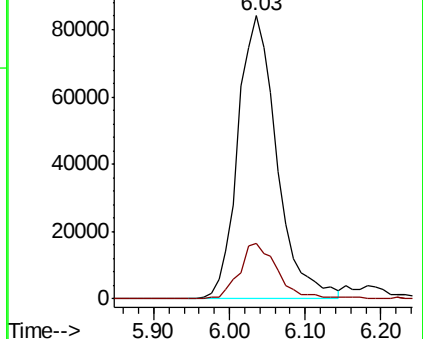
77 100

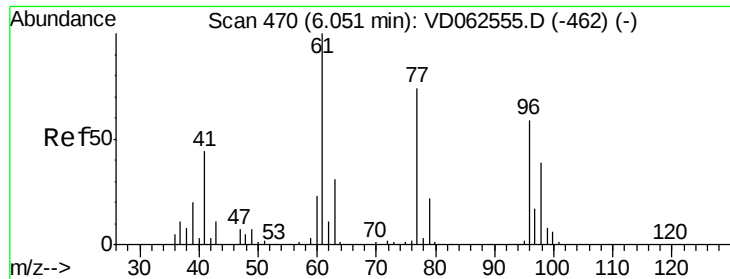
97 19.6 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



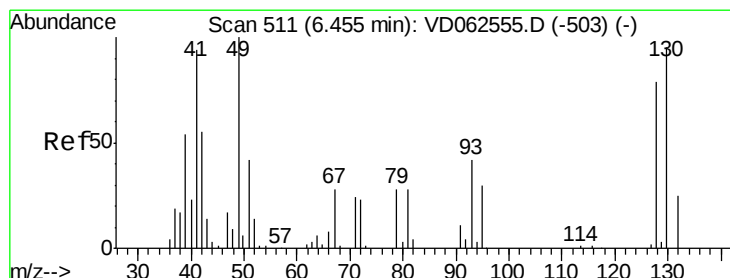
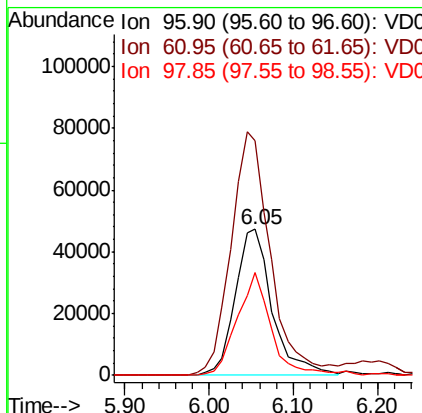
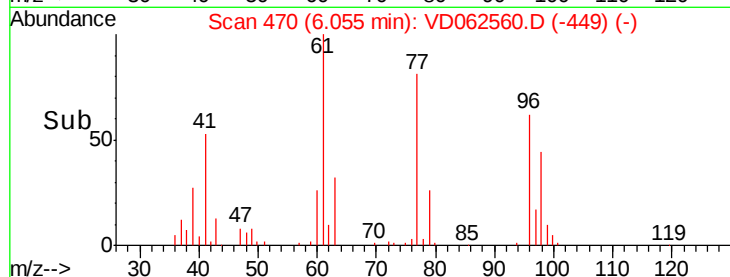
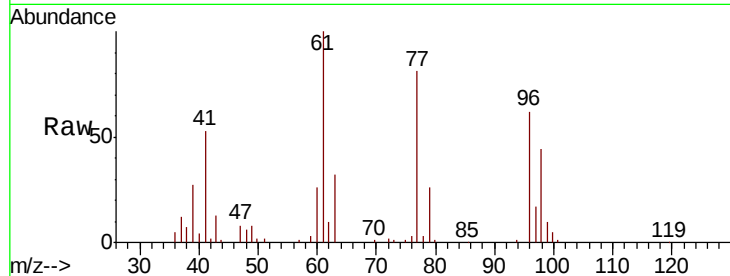


#27

cis-1,2-Dichloroethene
Concen: 19.870 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

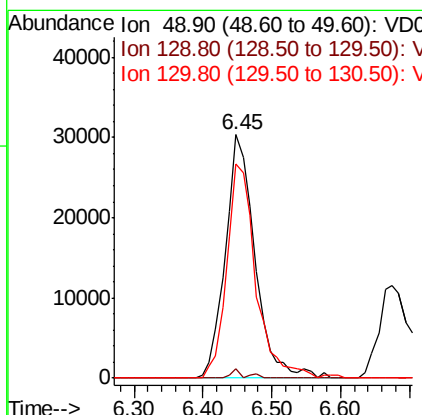
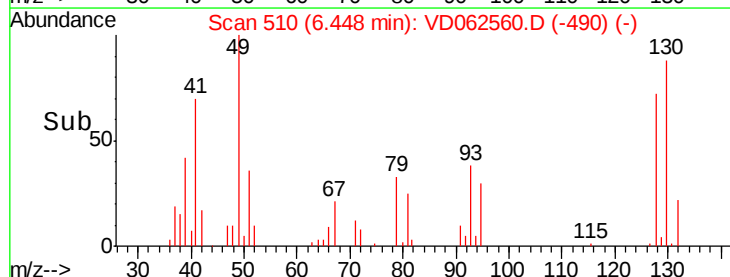
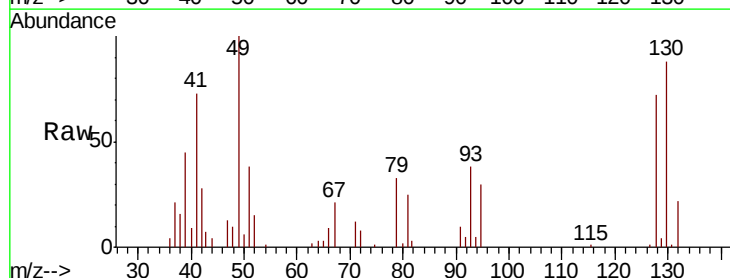
Tot Ion: 96 Resp: 144450
Ion Ratio Lower Upper
96 100
61 160.6 0.0 342.4
98 70.3 0.0 134.6

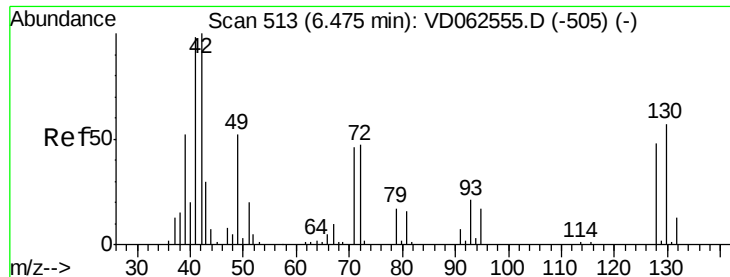


#28

Bromochloromethane
Concen: 20.369 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 49 Resp: 90333
Ion Ratio Lower Upper
49 100
129 4.0 0.0 5.6
130 88.0 75.8 113.8

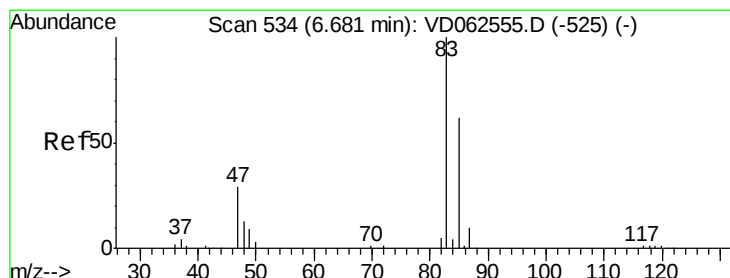
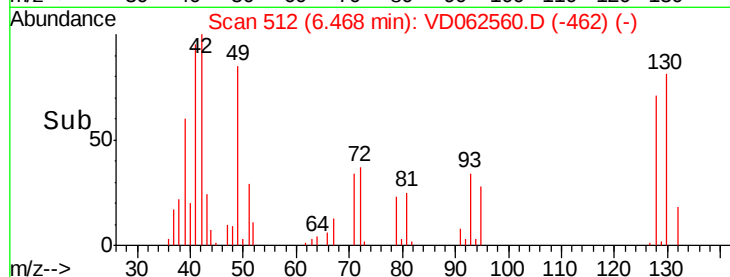
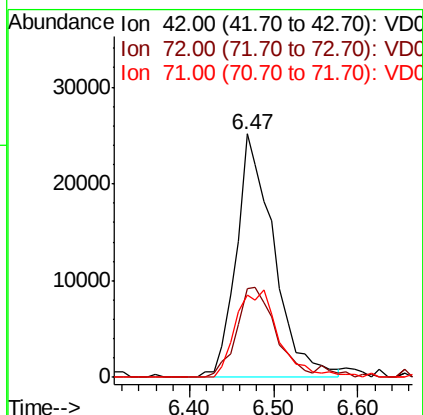
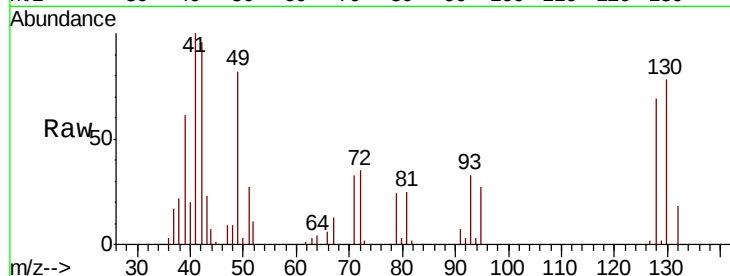




#29
Tetrahydrofuran
Concen: 100.977 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

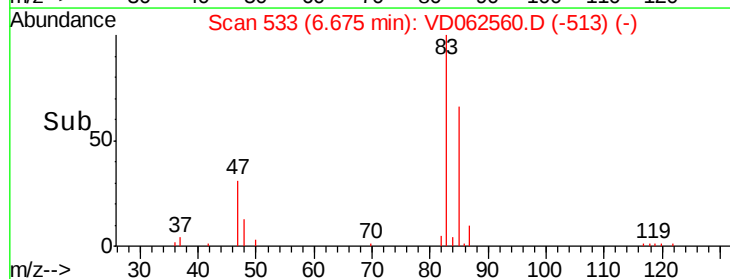
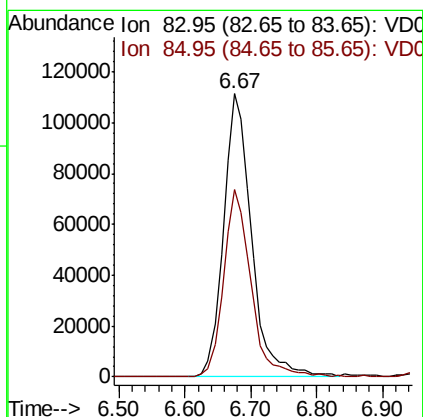
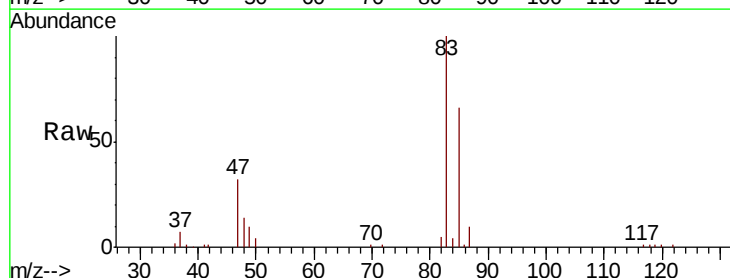
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

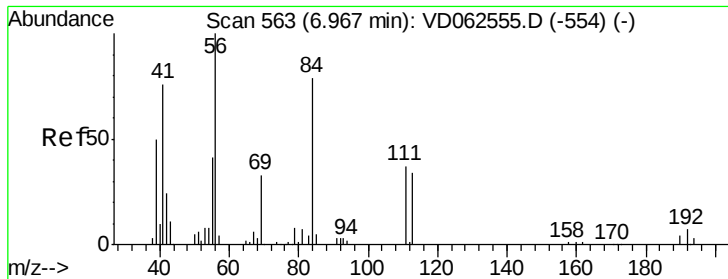
Tot Ion: 42 Resp: 78199
Ion Ratio Lower Upper
42 100
72 38.5 34.5 51.7
71 41.4 33.0 49.6



#30
Chloroform
Concen: 21.432 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 83 Resp: 331445
Ion Ratio Lower Upper
83 100
85 66.4 49.4 74.0

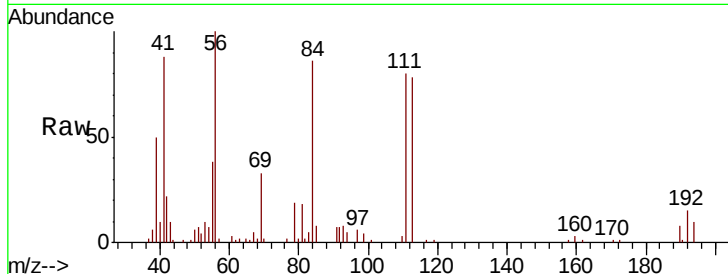




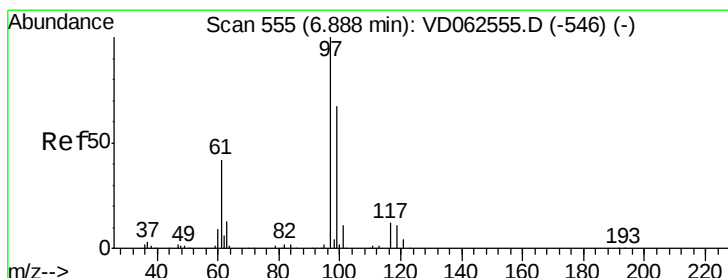
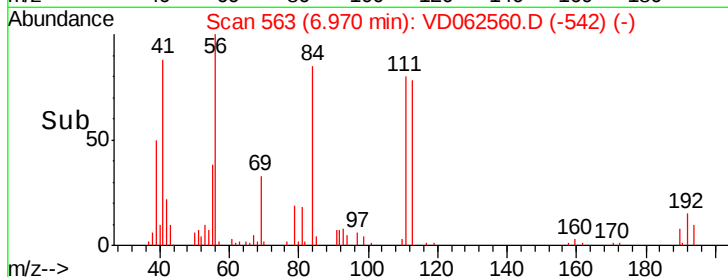
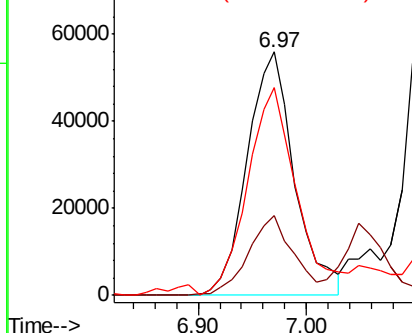
#31
Cyclohexane
Concen: 19.686 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

Tot Ion: 56 Resp: 170816
Ion Ratio Lower Upper
56 100
69 33.0 26.2 39.2
84 85.5 65.2 97.8

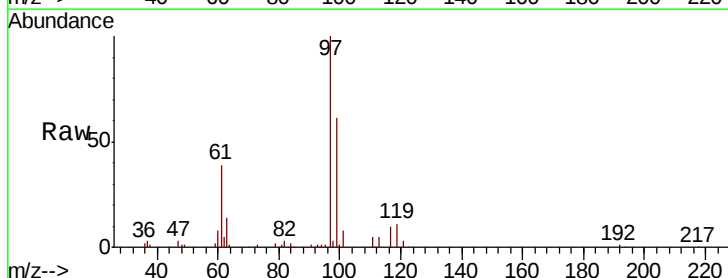


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

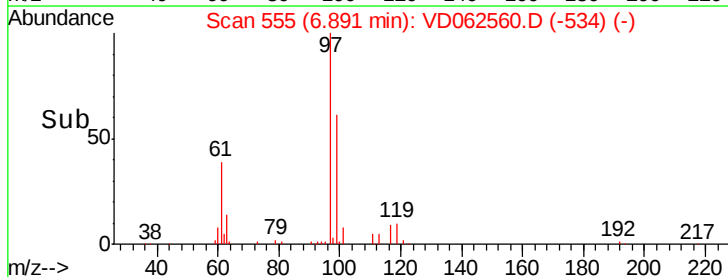
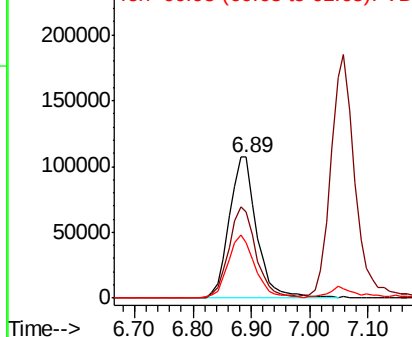


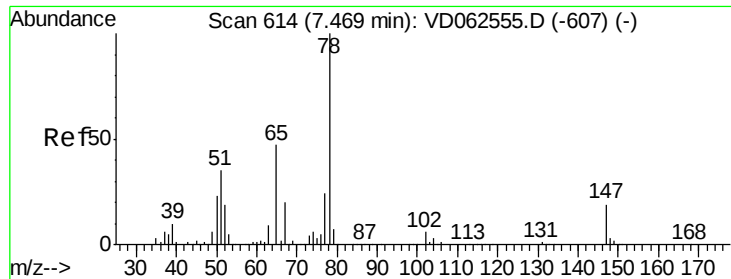
#32
1,1,1-Trichloroethane
Concen: 21.910 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 97 Resp: 352639
Ion Ratio Lower Upper
97 100
99 60.8 53.6 80.4
61 39.1 33.9 50.9



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

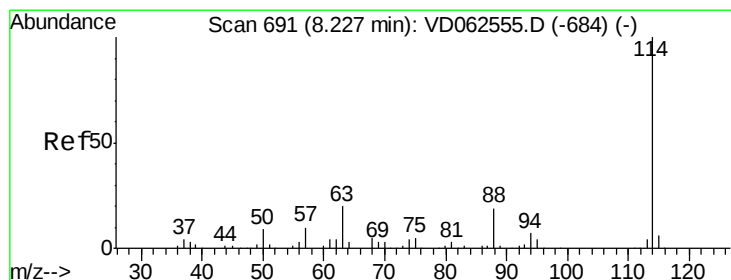
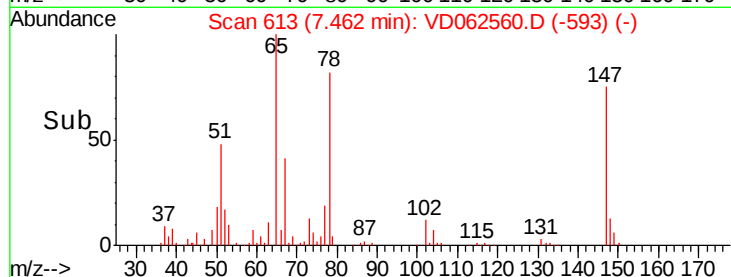
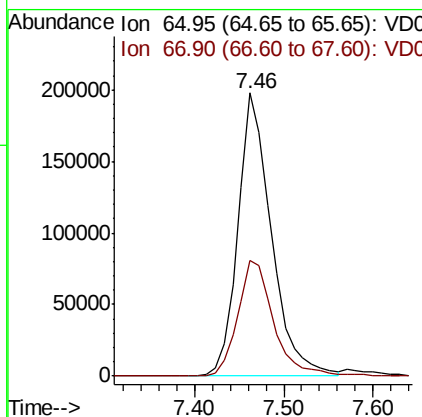
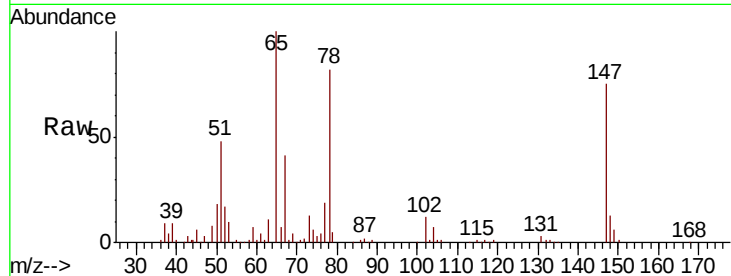




#33
 1,2-Dichloroethane-d4
 Concen: 55.070 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

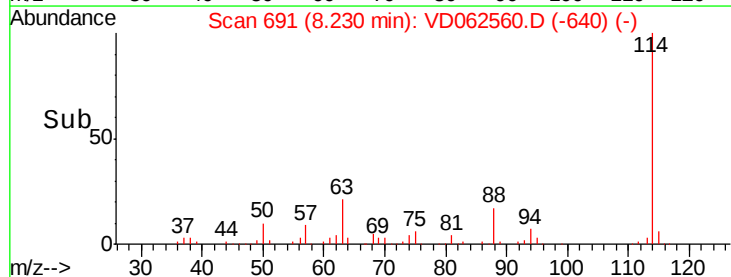
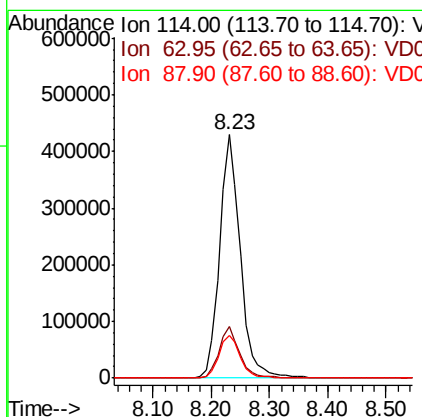
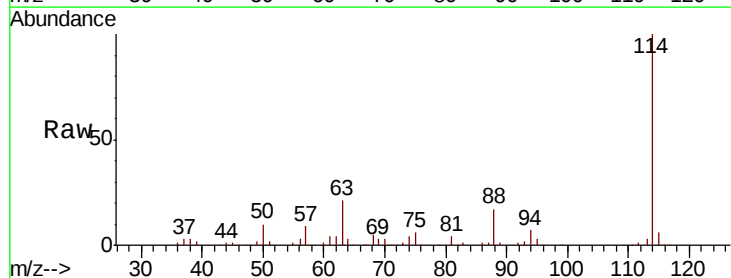
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

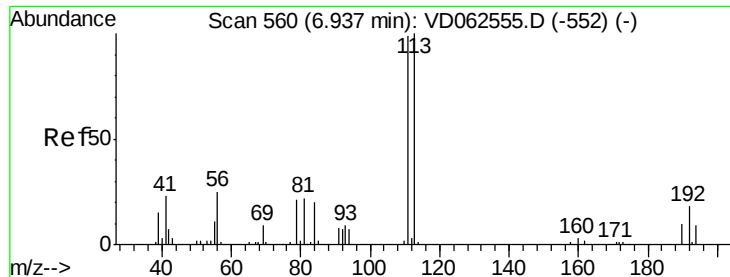
Tot Ion: 65 Resp: 514510
 Ion Ratio Lower Upper
 65 100
 67 41.0 0.0 83.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion: 114 Resp: 1054674
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.6
 88 17.5 0.0 37.6





#35

Dibromofluoromethane

Concen: 52.588 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

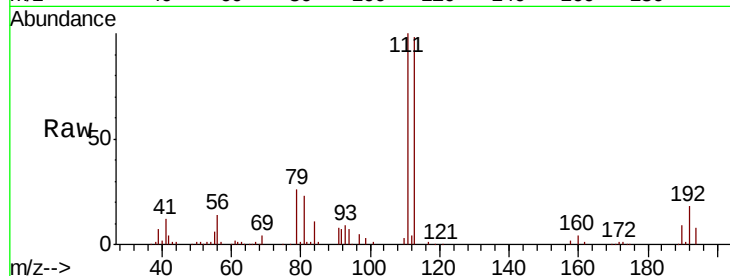
Tot Ion:113 Resp: 505413

Ion Ratio Lower Upper

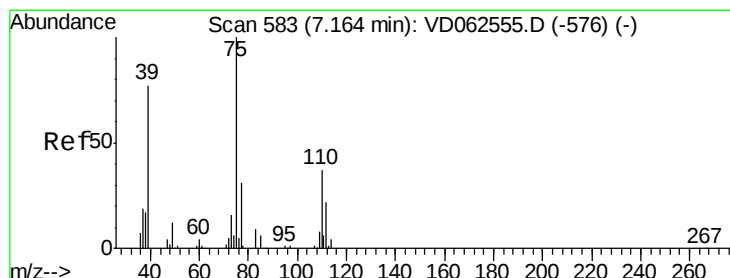
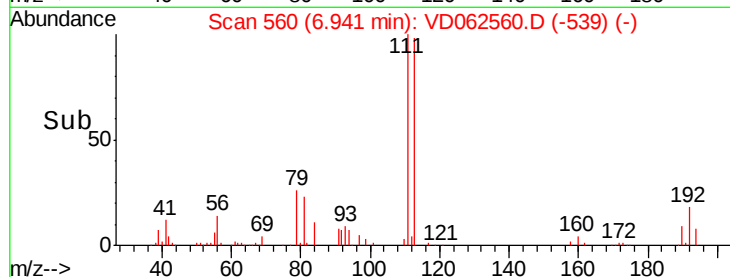
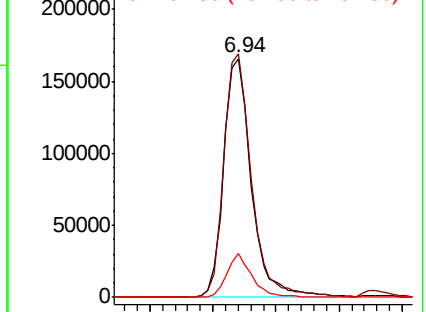
113 100

111 102.0 78.8 118.2

192 18.1 14.6 22.0



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



#36

1,1-Dichloropropene

Concen: 21.454 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

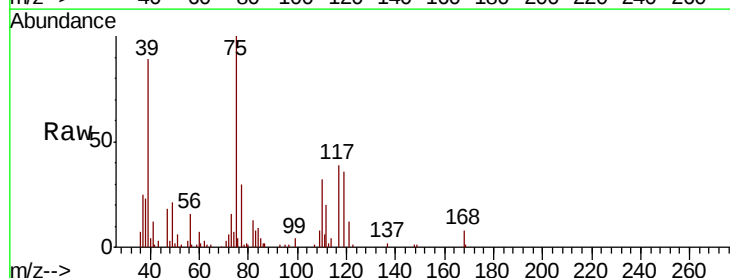
Tgt Ion: 75 Resp: 225243

Ion Ratio Lower Upper

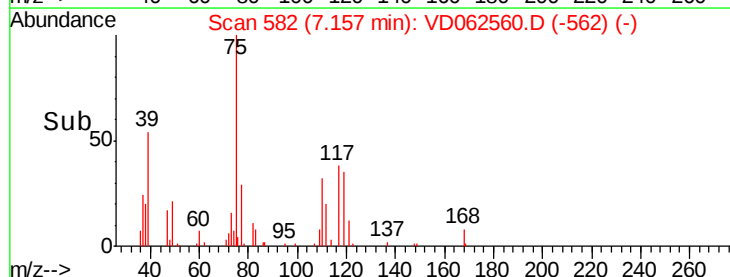
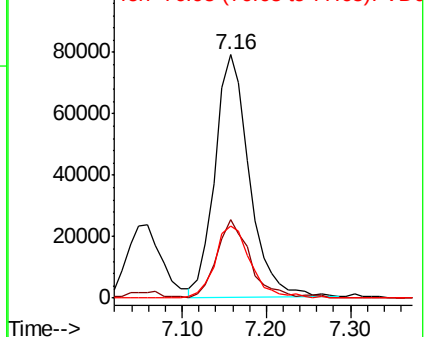
75 100

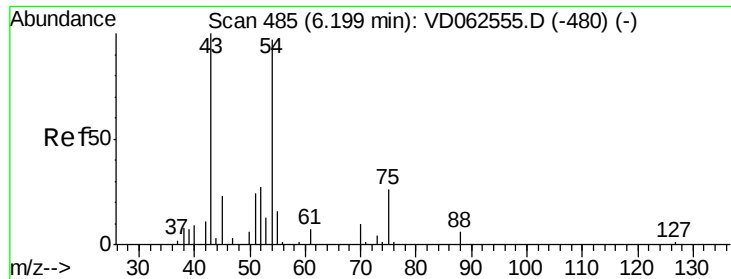
110 32.1 18.3 54.8

77 29.7 24.4 36.6



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

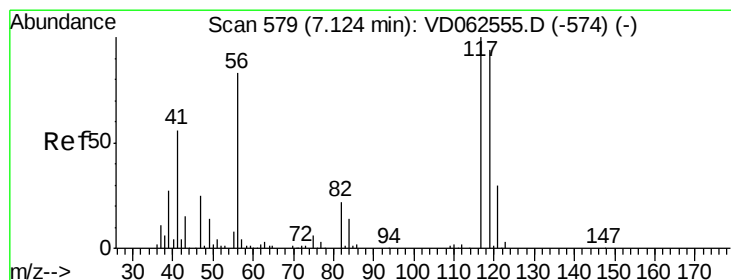
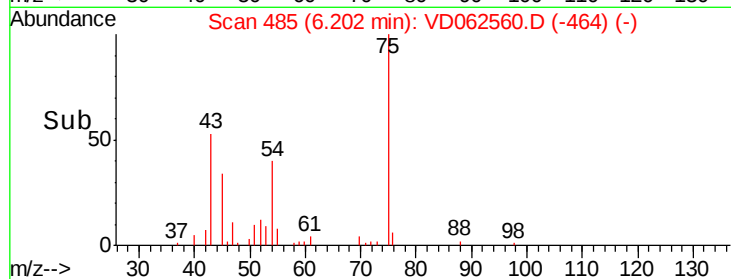
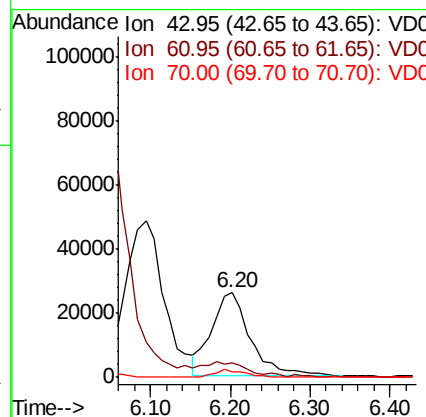
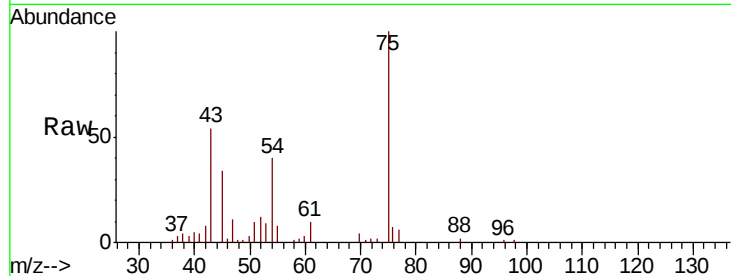




#37
Ethyl Acetate
Concen: 19.937 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

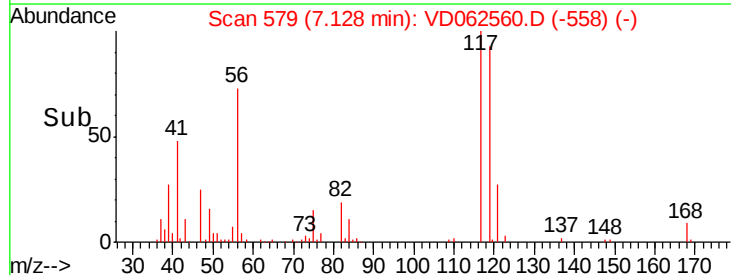
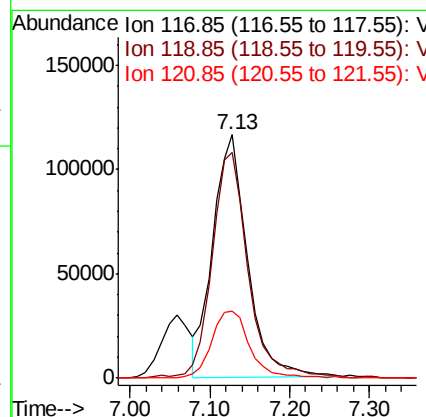
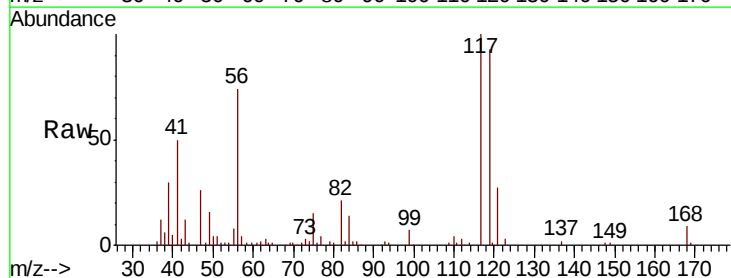
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

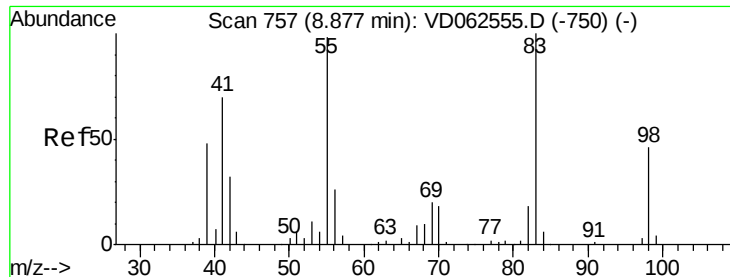
Tot Ion: 43 Resp: 88244
Ion Ratio Lower Upper
43 100
61 17.8 9.8 14.8#
70 6.7 6.5 9.7



#38
Carbon Tetrachloride
Concen: 22.595 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 117 Resp: 353177
Ion Ratio Lower Upper
117 100
119 92.8 71.4 107.2
121 27.4 22.5 33.7

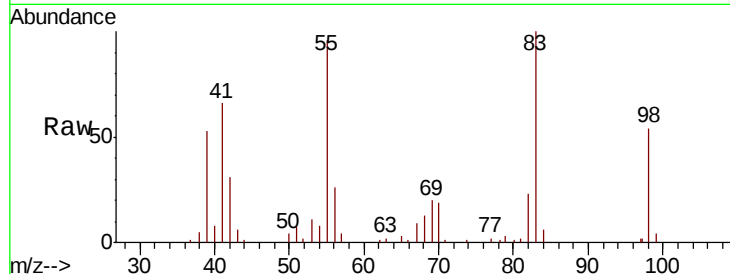




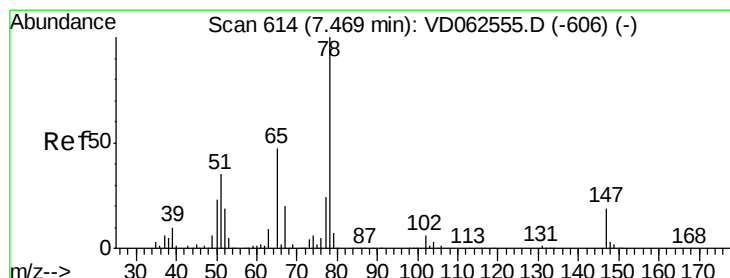
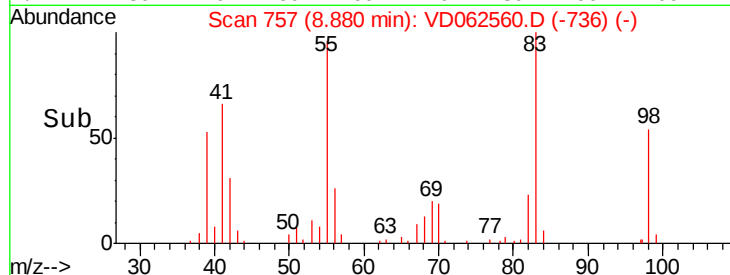
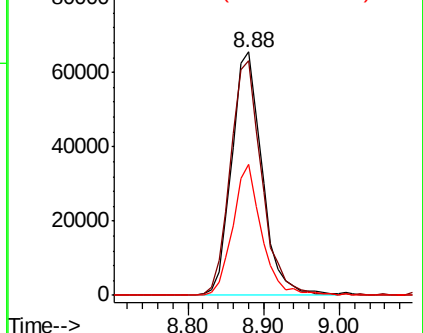
#39
Methvlcvclohexane
Concen: 20.432 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

Tot Ion: 83 Resp: 181618
Ion Ratio Lower Upper
83 100
55 96.3 78.7 118.1
98 54.1 37.2 55.8

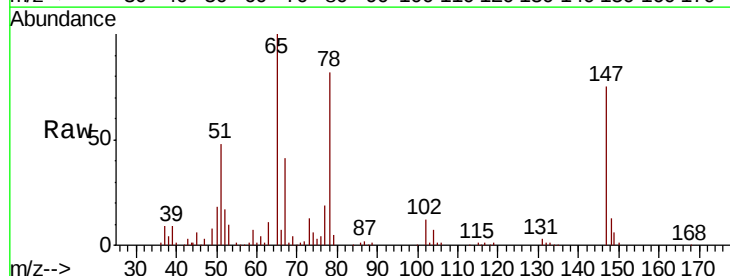


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

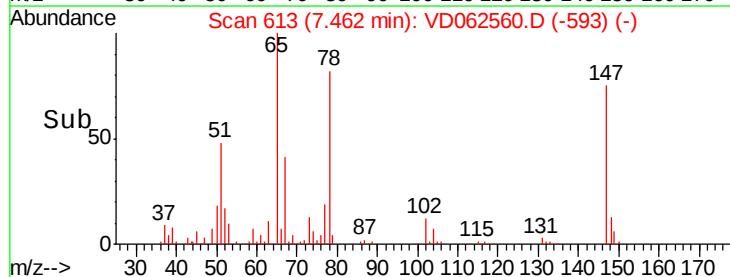
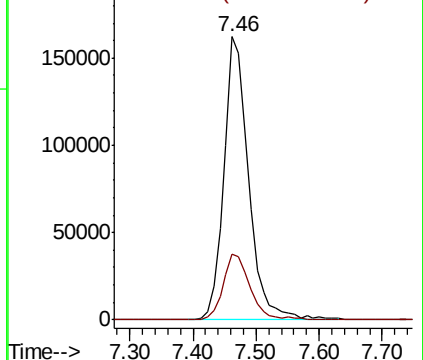


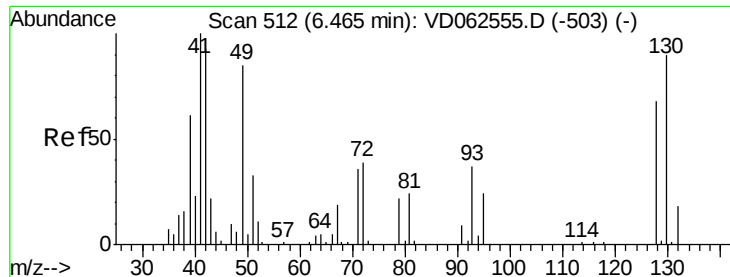
#40
Benzene
Concen: 21.310 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 78 Resp: 439109
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7



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





#41

Methacrylonitrile

Concen: 20.701 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

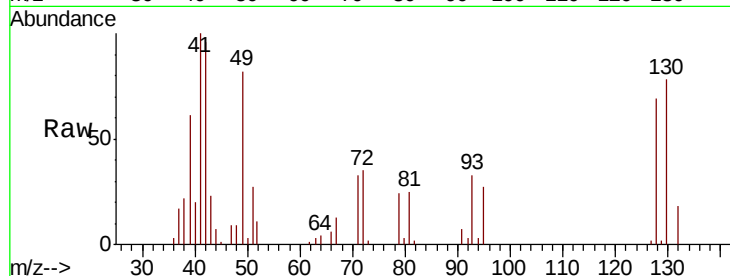
ClientSampleId :

VD0531SBS01

Tot Ion: 41 Resp: 107825

Ion Ratio Lower Upper

41	100		
39	60.6	49.0	73.6
67	12.8	15.5	23.3
52	10.6	8.9	13.3



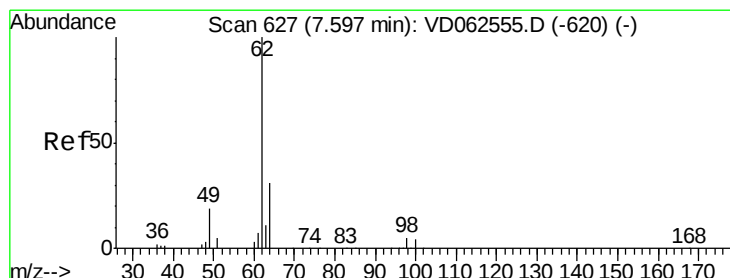
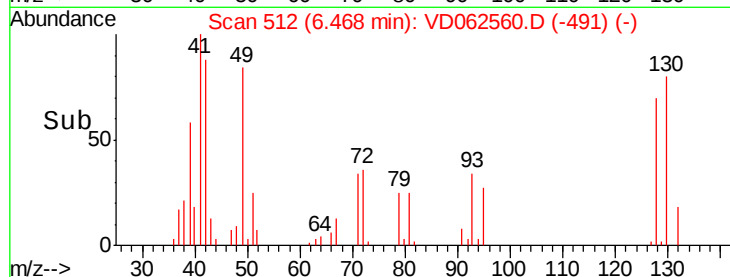
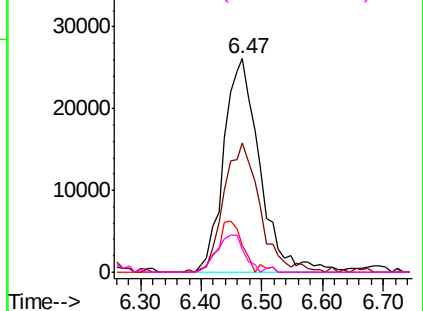
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.404 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

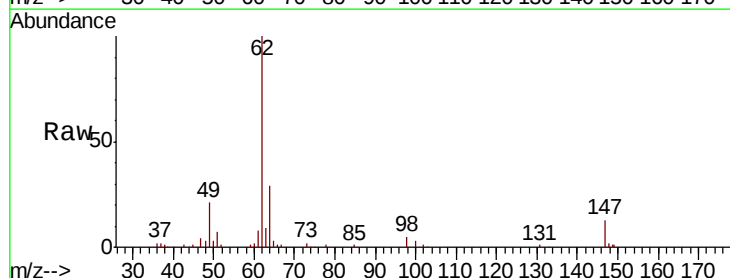
Lab File: VD062560.D

Acq: 31 May 2019 13:37

Tgt Ion: 62 Resp: 257151

Ion Ratio Lower Upper

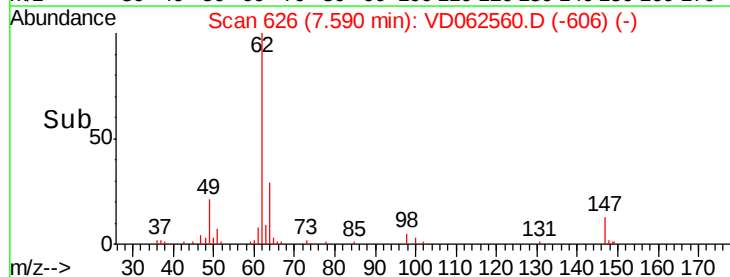
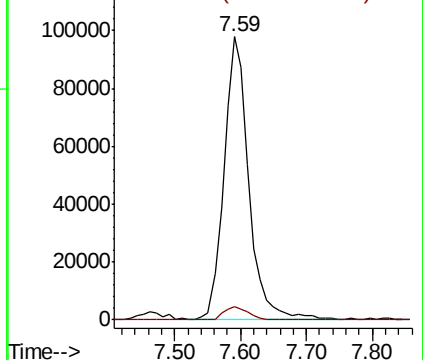
62	100		
98	4.6	0.0	11.0

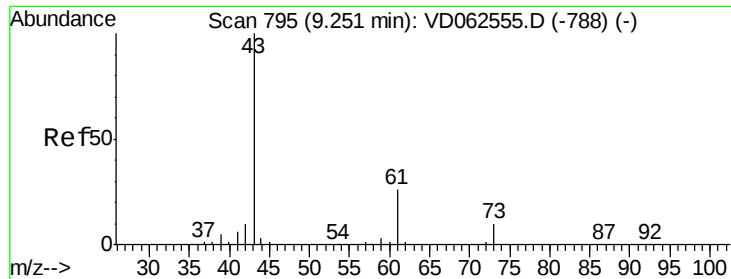


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



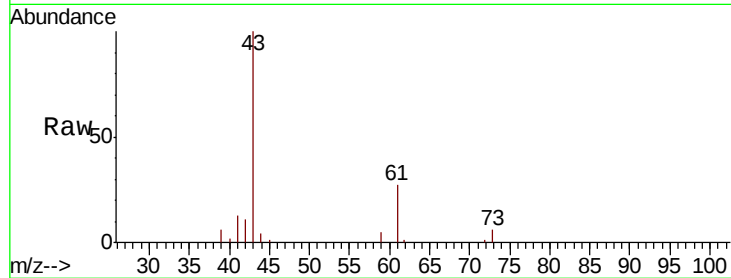


#43

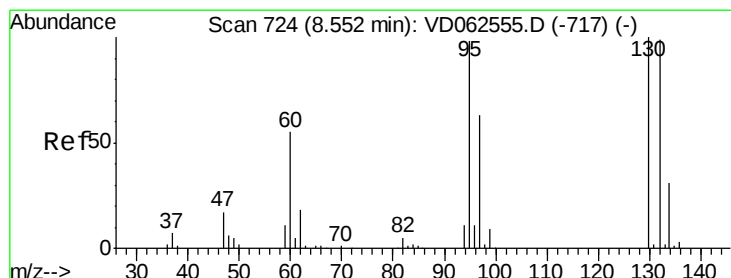
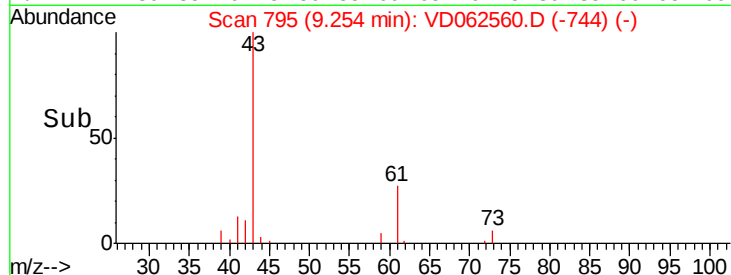
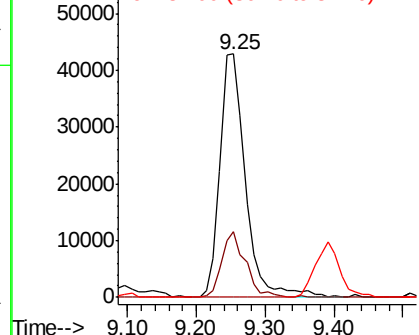
Isopropyl Acetate
 Concen: 19.934 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

Tot Ion: 43 Resp: 109814
 Ion Ratio Lower Upper
 43 100
 61 27.1 20.5 30.7
 87 0.0 0.2 0.2#



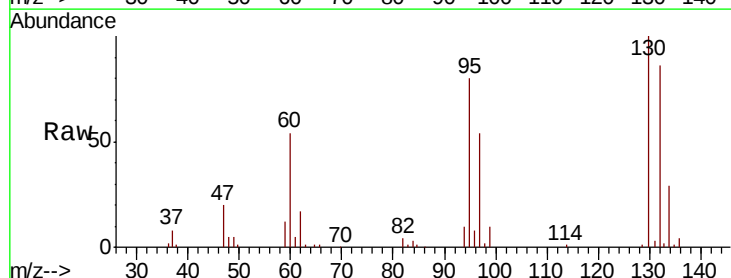
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



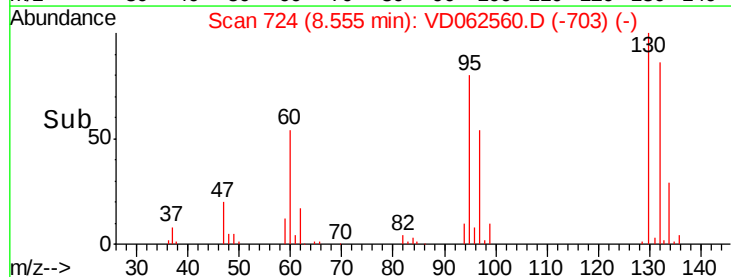
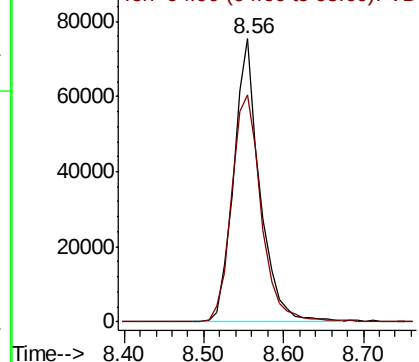
#44

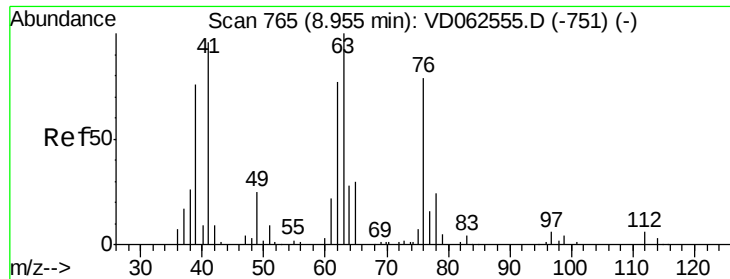
Trichloroethene
 Concen: 20.890 ug/l
 RT: 8.56 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion:130 Resp: 171973
 Ion Ratio Lower Upper
 130 100
 95 80.3 0.0 196.6



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





#45

1,2-Dichloropropane

Concen: 21.665 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

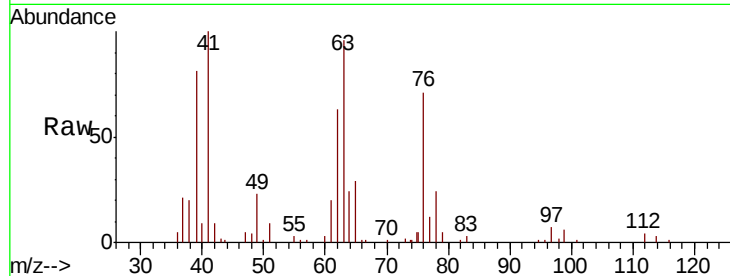
VD0531SBS01

Tot Ion: 63 Resp: 109451

Ion Ratio Lower Upper

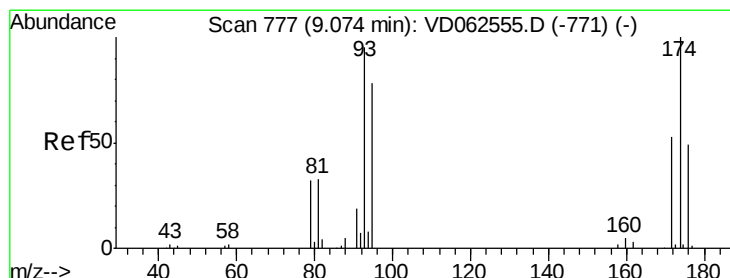
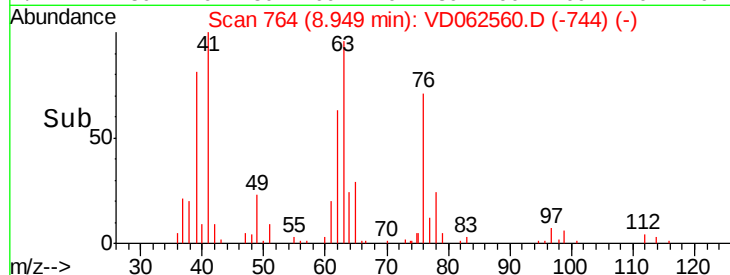
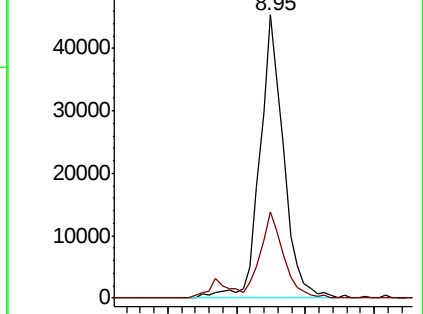
63 100

65 30.4 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.606 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

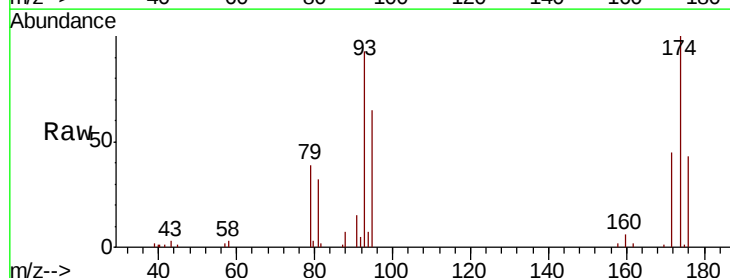
Tgt Ion: 93 Resp: 91683

Ion Ratio Lower Upper

93 100

95 70.3 66.1 99.1

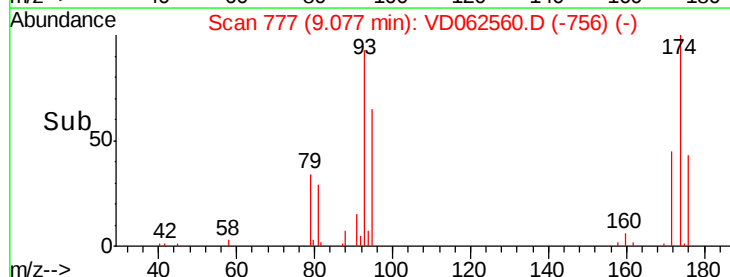
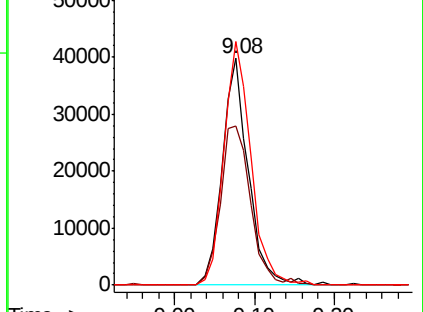
174 107.4 84.2 126.4

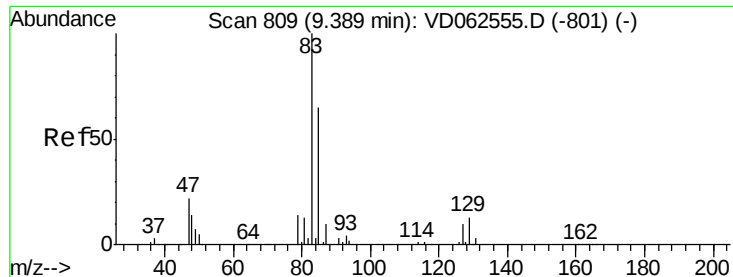


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.172 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

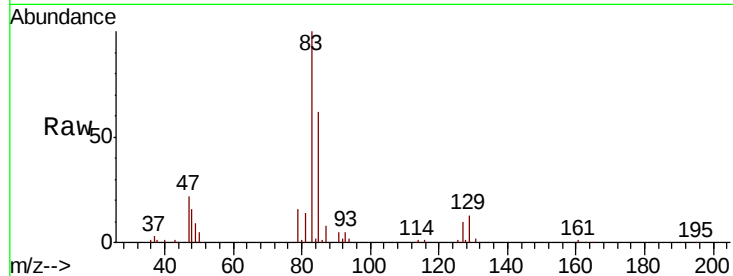
Tot Ion: 83 Resp: 247542

Ion Ratio Lower Upper

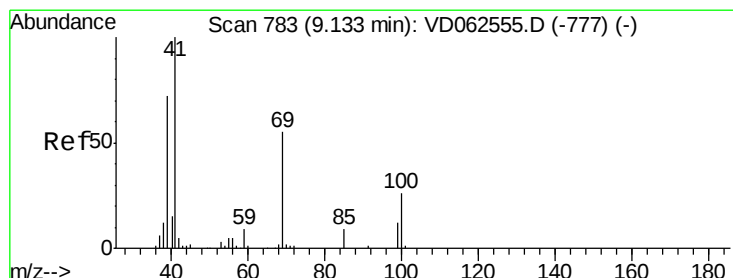
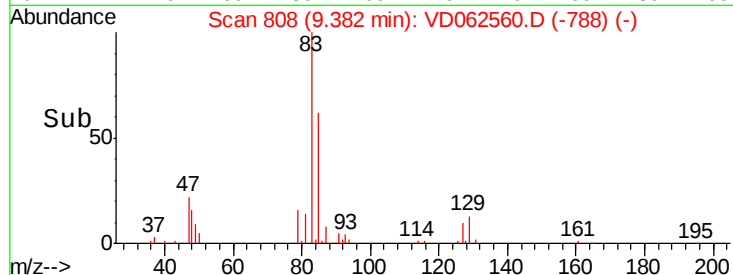
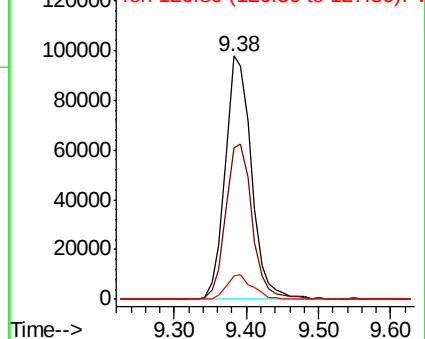
83 100

85 62.1 51.8 77.8

127 9.6 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.158 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

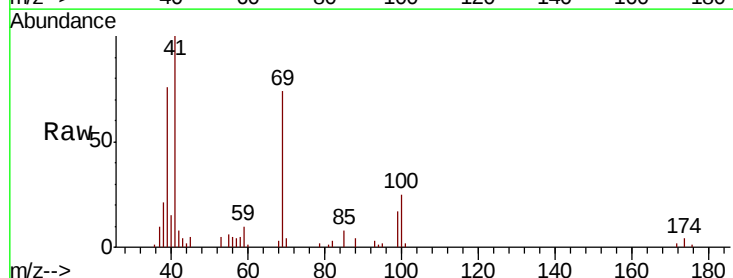
Tgt Ion: 41 Resp: 77631

Ion Ratio Lower Upper

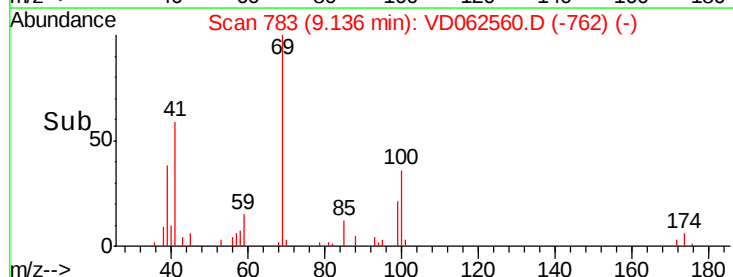
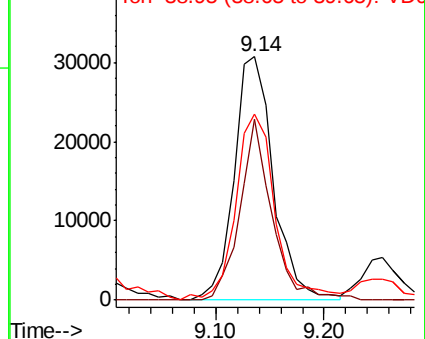
41 100

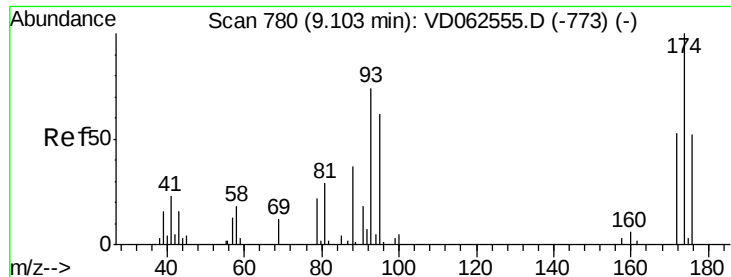
69 74.1 43.6 65.4#

39 76.3 58.1 87.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

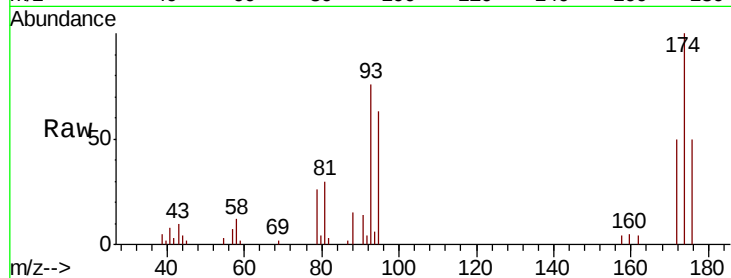




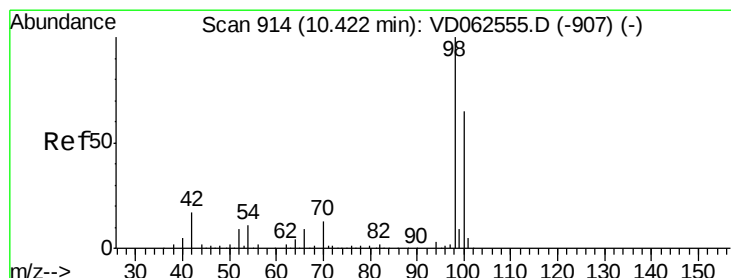
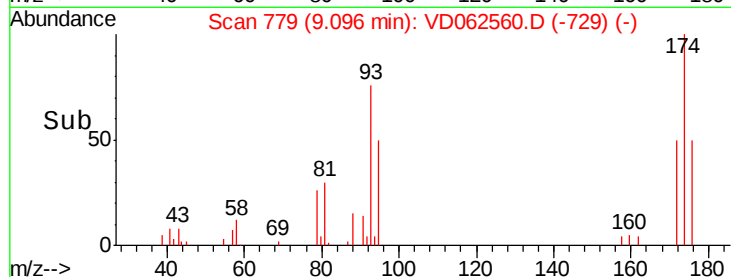
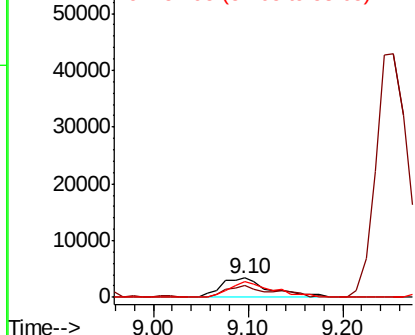
#49
 1,4-Dioxane
 Concen: 398.690 ug/l
 RT: 9.10 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

Tot Ion: 88 Resp: 11882
 Ion Ratio Lower Upper
 88 100
 43 62.3 37.1 55.7#
 58 79.5 39.3 58.9#

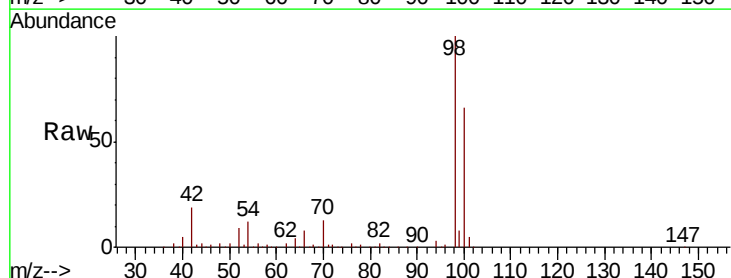


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

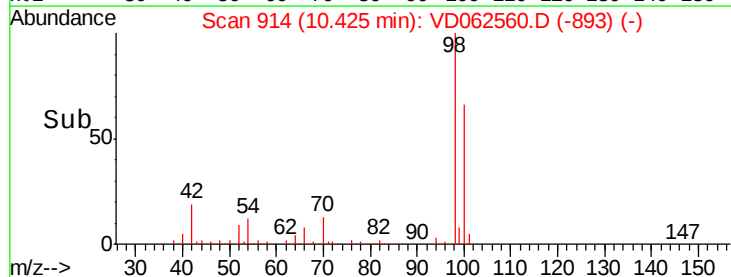
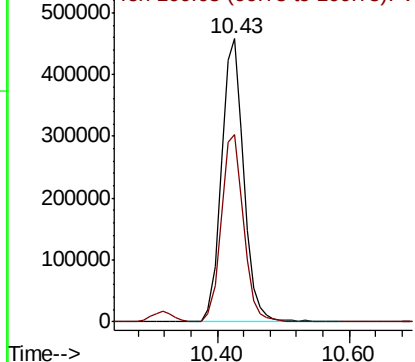


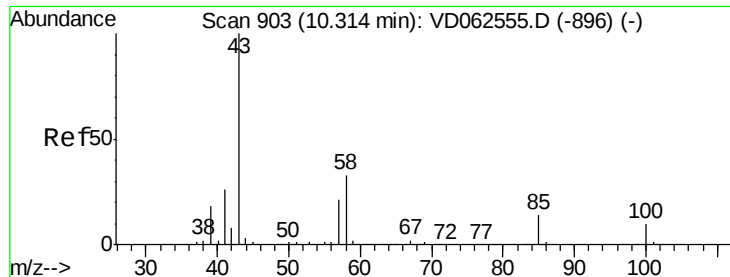
#50
 Toluene-d8
 Concen: 51.200 ug/l
 RT: 10.43 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion: 98 Resp: 1078157
 Ion Ratio Lower Upper
 98 100
 100 66.2 52.3 78.5



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: 100.838 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

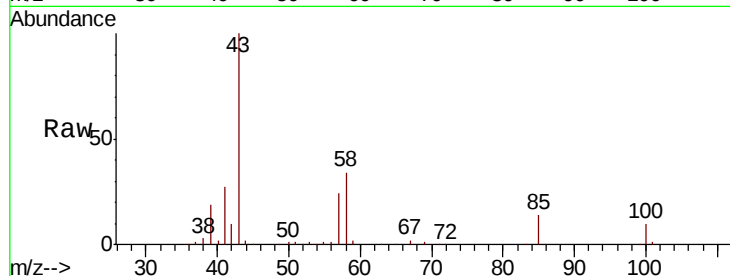
VD0531SBS01

Tot Ion: 43 Resp: 387563

Ion Ratio Lower Upper

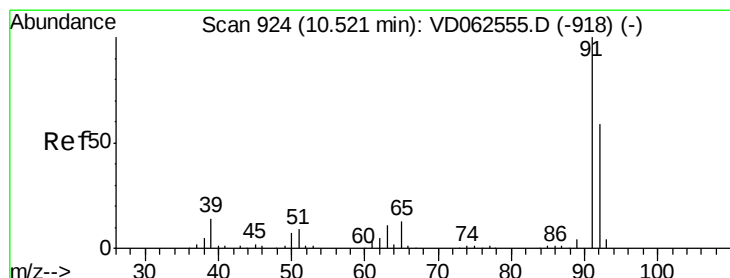
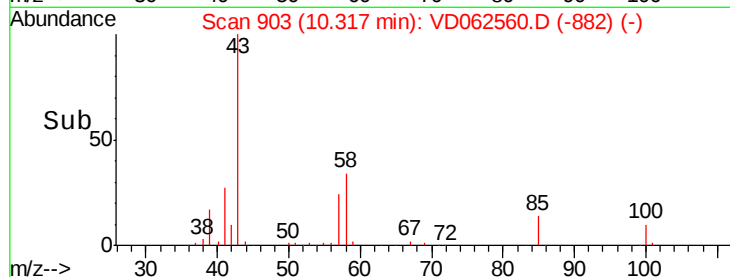
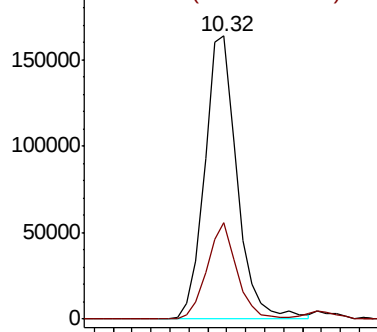
43 100

58 34.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.792 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD062560.D

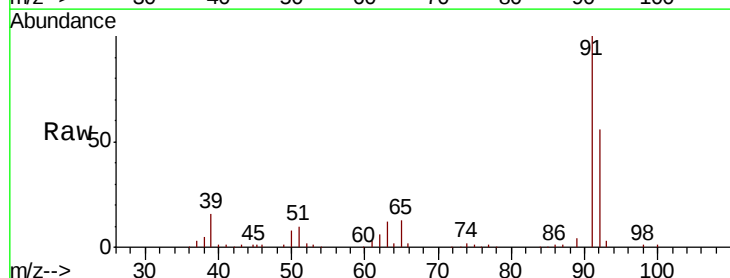
Acq: 31 May 2019 13:37

Tgt Ion: 92 Resp: 278151

Ion Ratio Lower Upper

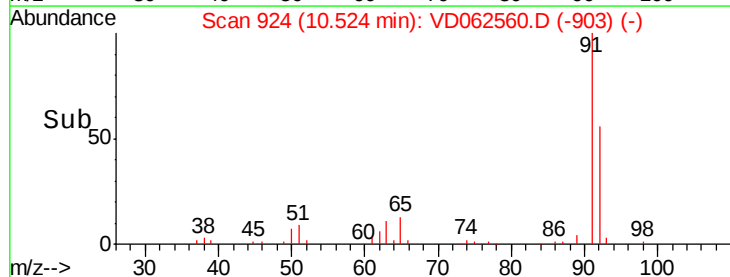
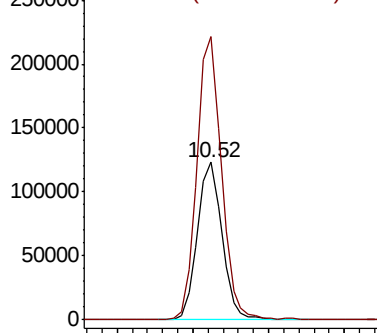
92 100

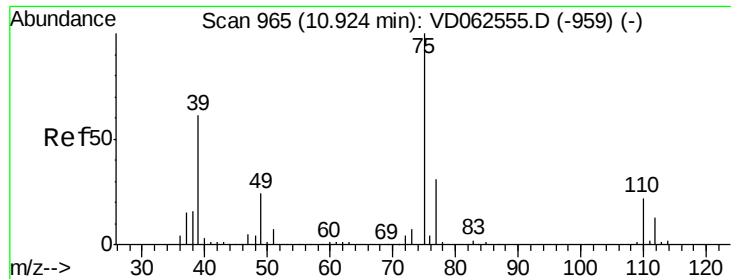
91 179.7 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

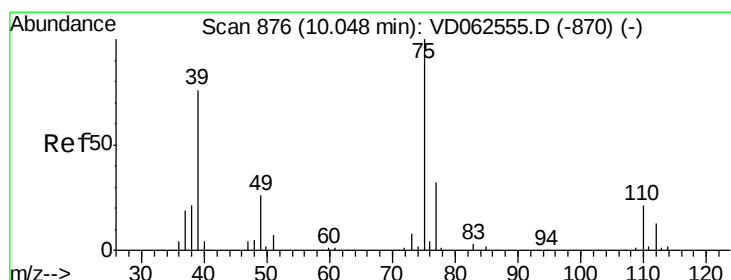
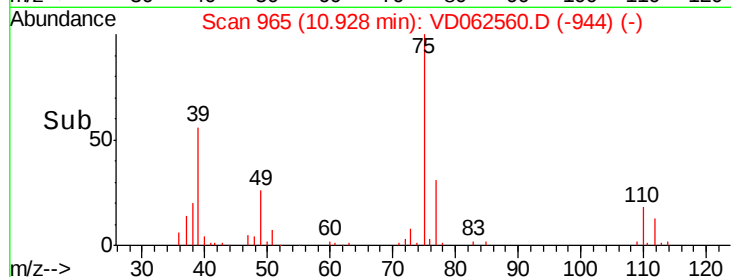
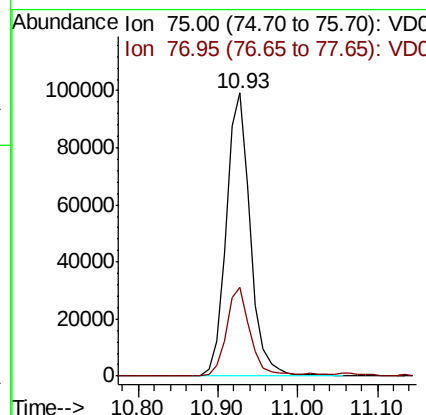
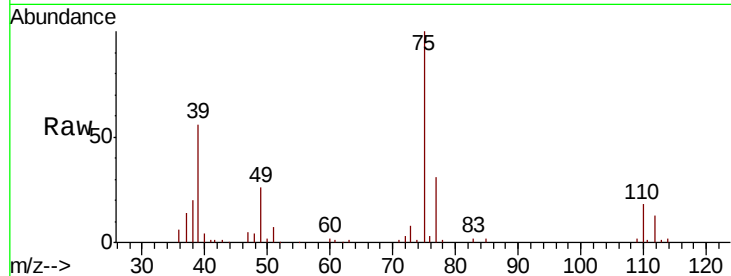




#53
 t-1,3-Dichloropropene
 Concen: 21.291 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

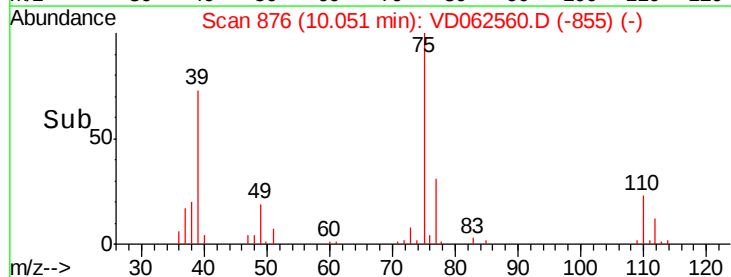
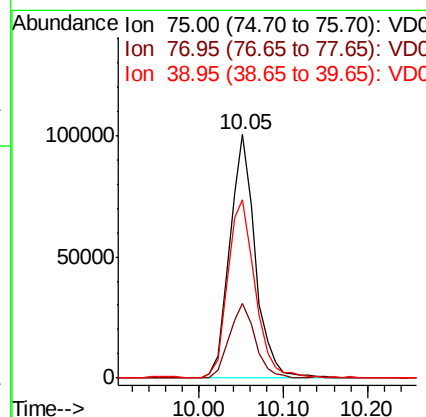
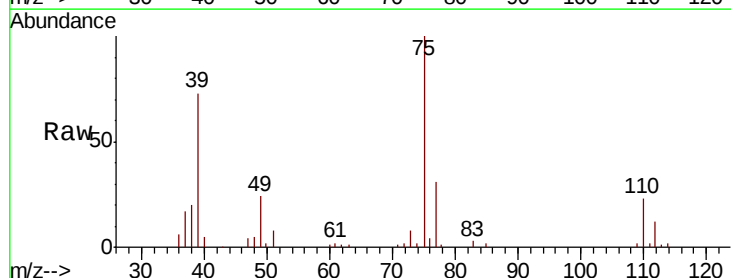
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

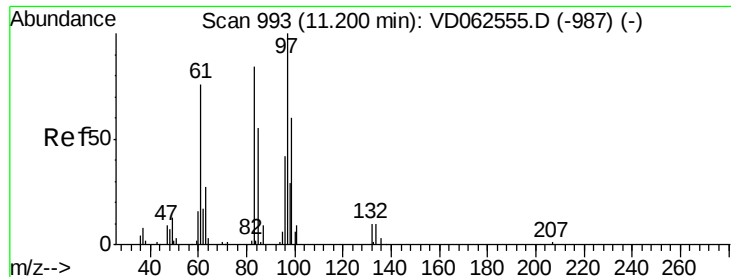
Tot Ion: 75 Resp: 210316
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.565 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion: 75 Resp: 211201
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.7 38.5
 39 73.3 61.0 91.6

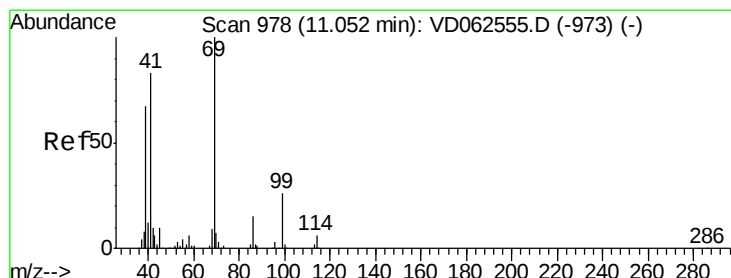
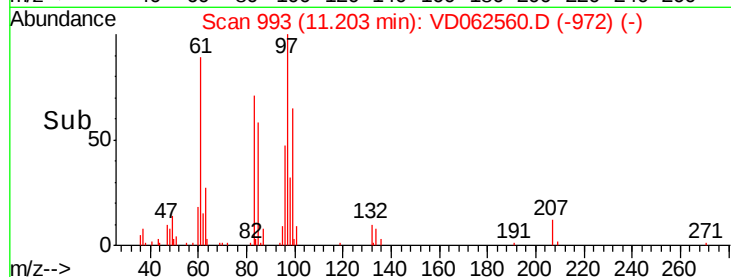
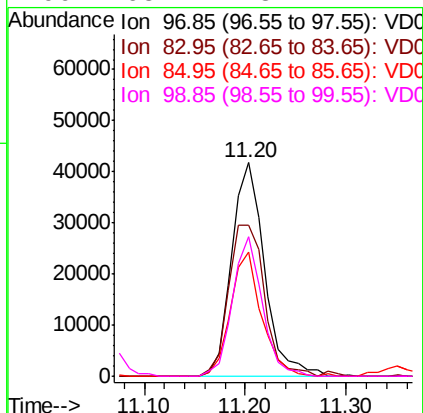
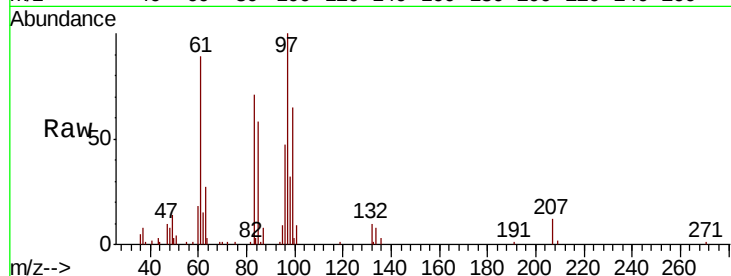




#55
 1,1,2-Trichloroethane
 Concen: 20.470 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

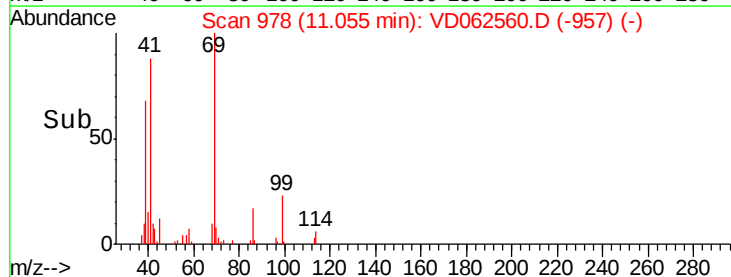
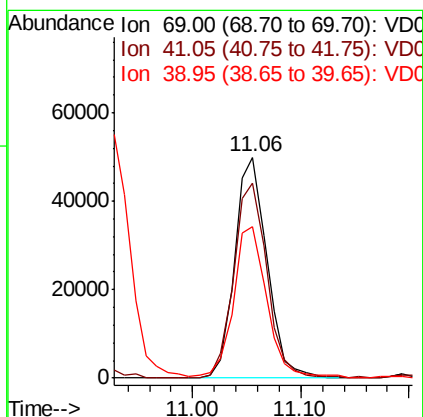
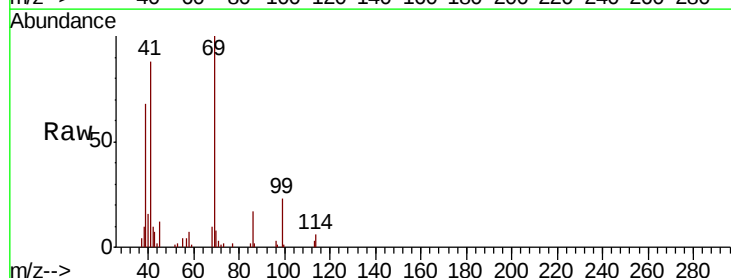
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

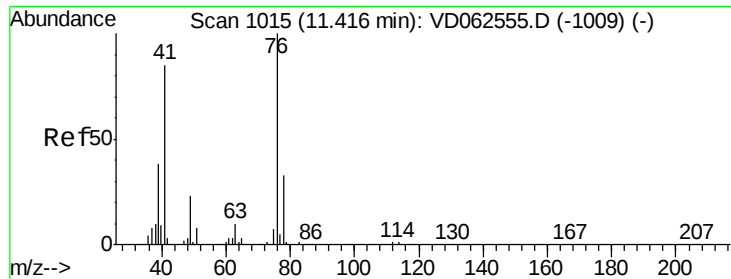
Tot Ion: 97 Resp: 94461
 Ion Ratio Lower Upper
 97 100
 83 70.8 67.3 100.9
 85 58.4 43.8 65.8
 99 65.2 48.2 72.2



#56
 Ethyl methacrylate
 Concen: 21.079 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion: 69 Resp: 103674
 Ion Ratio Lower Upper
 69 100
 41 88.0 66.1 99.1
 39 68.5 54.2 81.2

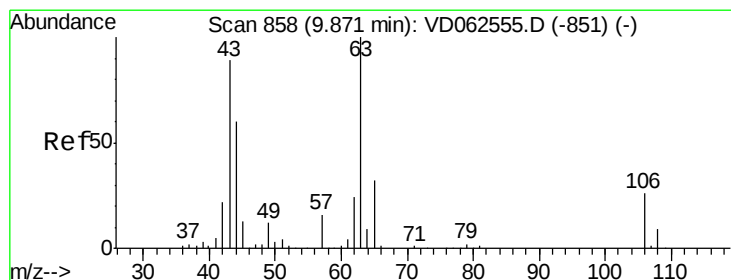
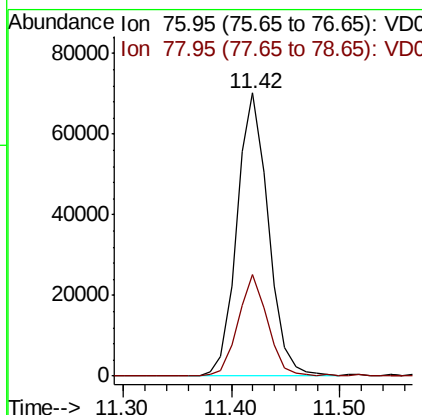
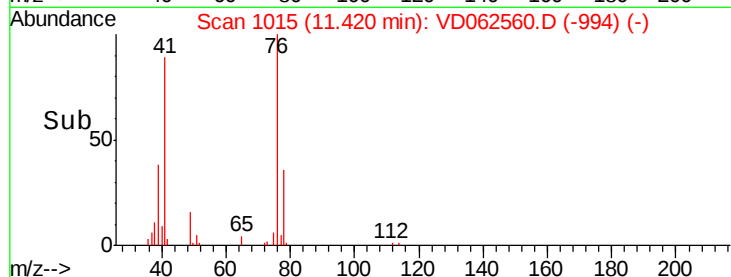
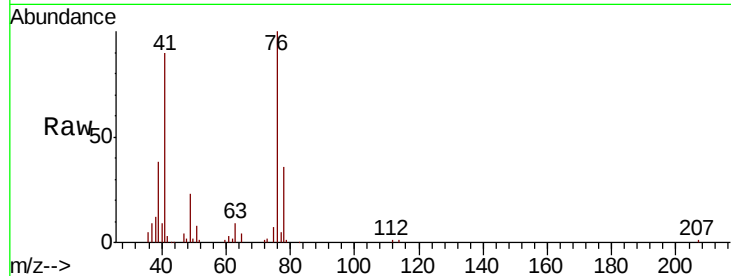




#57
 1,3-Dichloropropane
 Concen: 19.819 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

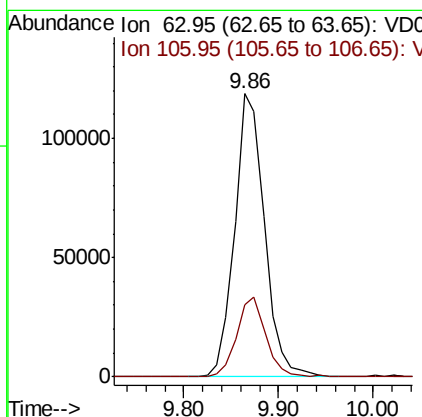
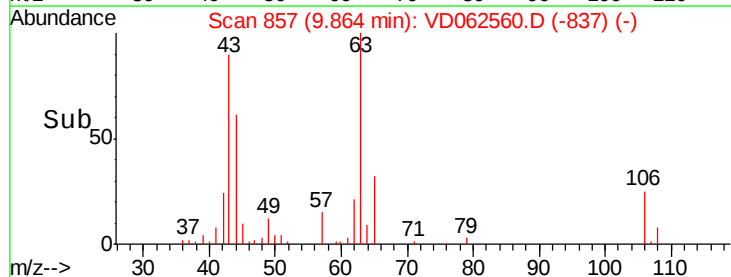
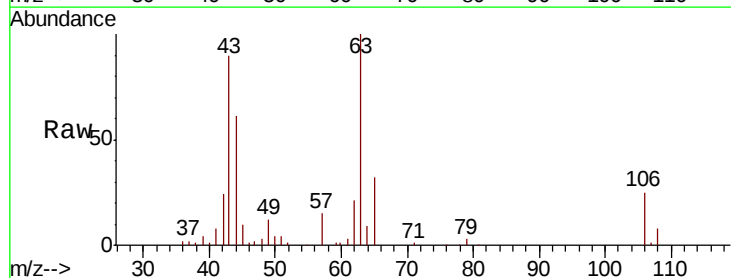
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

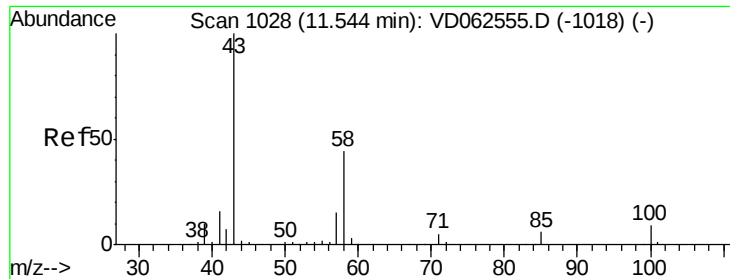
Tot Ion: 76 Resp: 140988
 Ion Ratio Lower Upper
 76 100
 78 35.9 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.551 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion: 63 Resp: 258687
 Ion Ratio Lower Upper
 63 100
 106 25.4 21.0 31.4

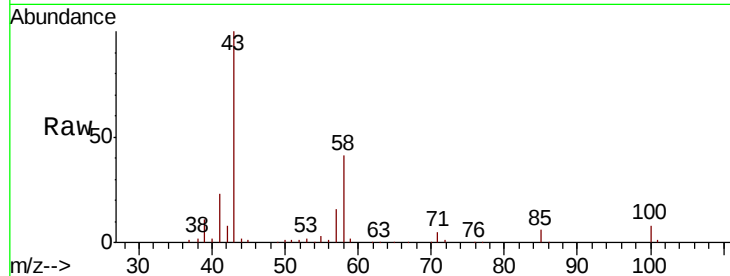




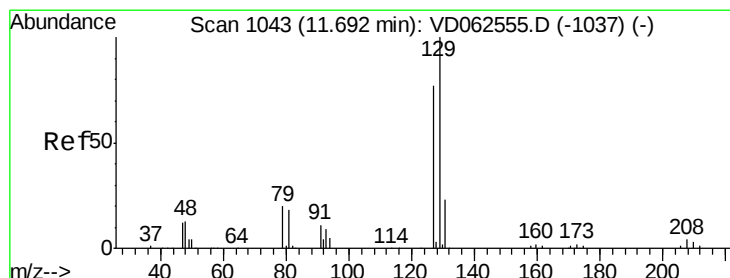
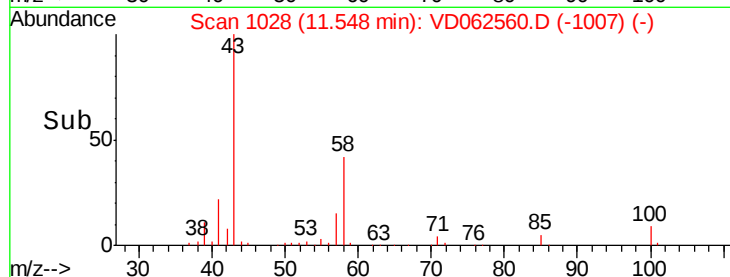
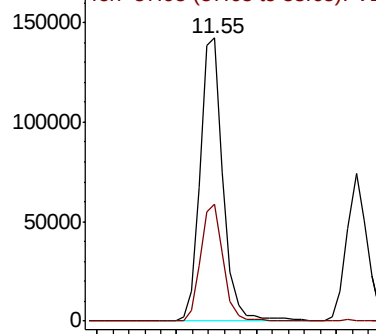
#59
2-Hexanone
Concen: 106.654 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

Tot Ion: 43 Resp: 287524
Ion Ratio Lower Upper
43 100
58 41.2 22.0 66.0

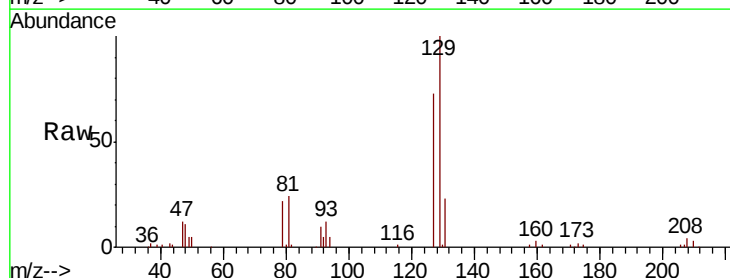


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

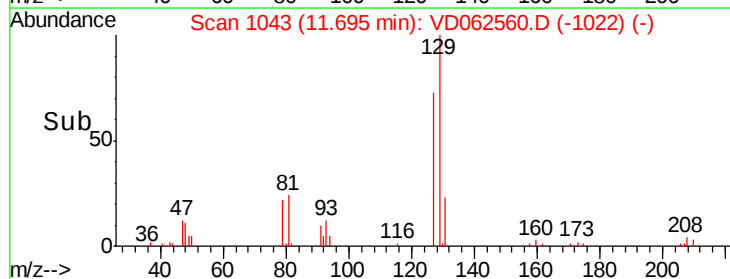
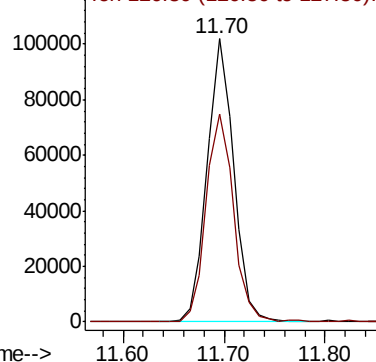


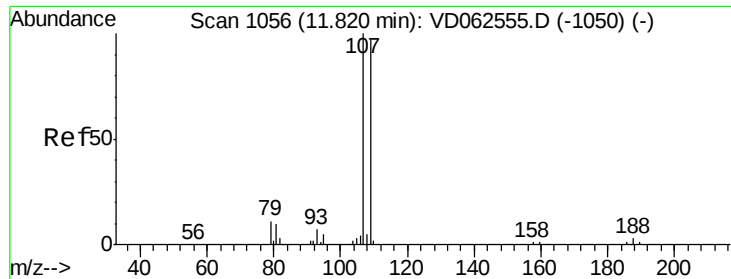
#60
Dibromochloromethane
Concen: 20.825 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 129 Resp: 186752
Ion Ratio Lower Upper
129 100
127 73.4 38.6 115.8



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

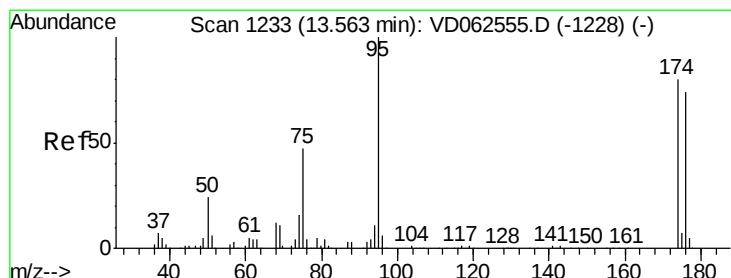
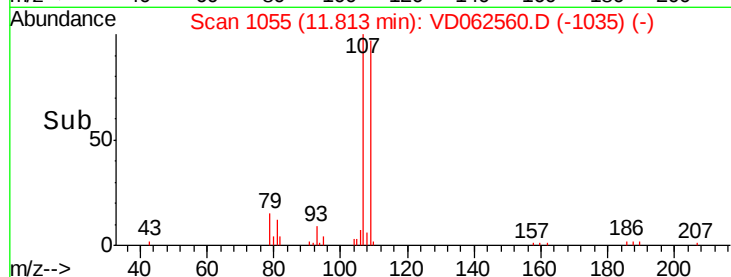
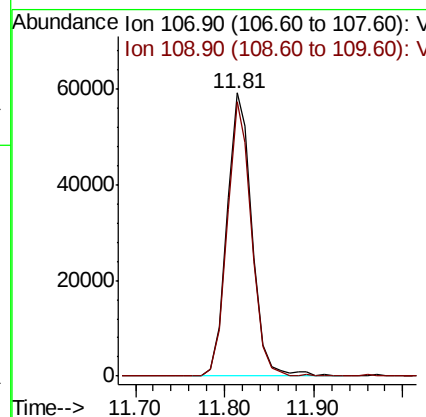
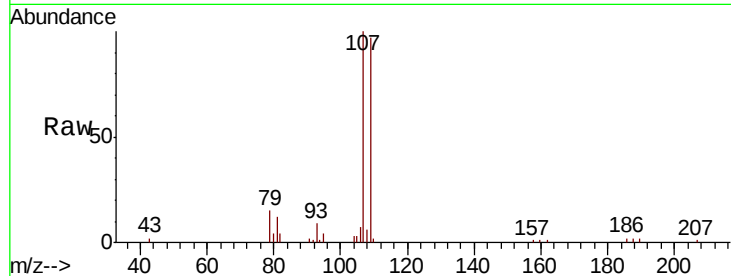




#61
 1,2-Dibromoethane
 Concen: 21.033 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

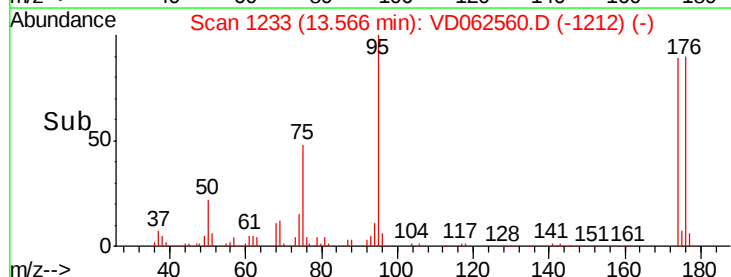
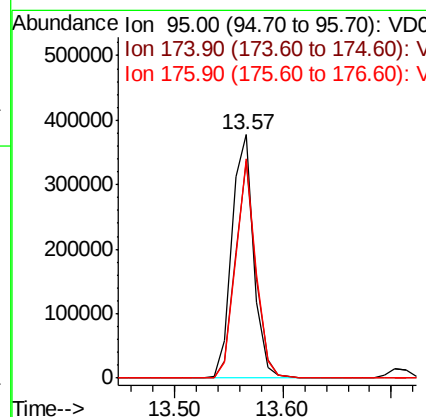
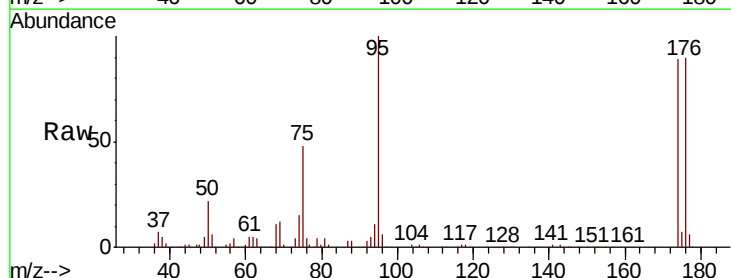
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

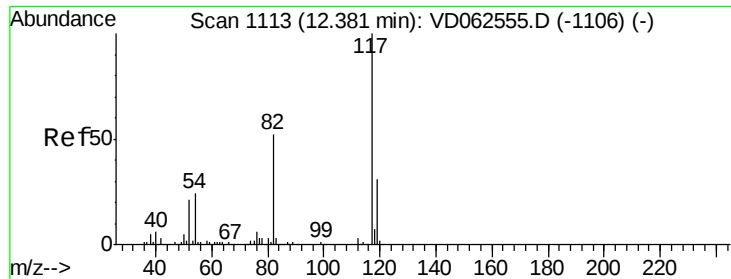
Tot Ion:107 Resp: 116756
 Ion Ratio Lower Upper
 107 100
 109 97.1 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 55.813 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion: 95 Resp: 530021
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 160.2
 176 90.3 0.0 148.0

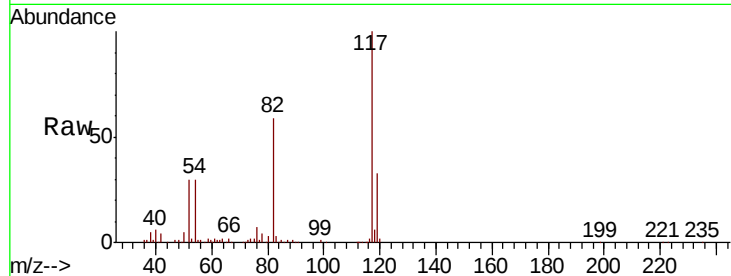




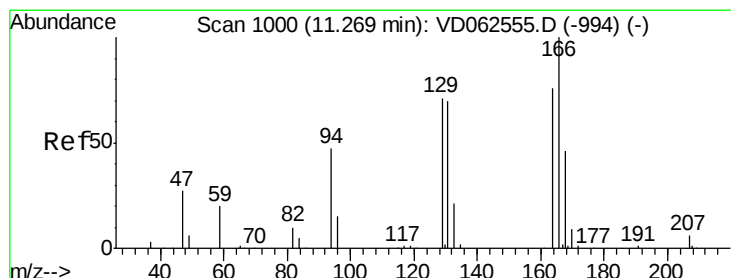
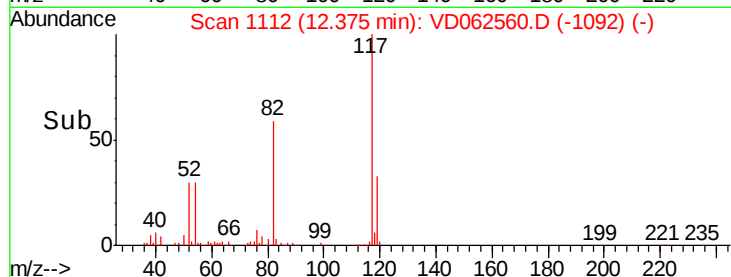
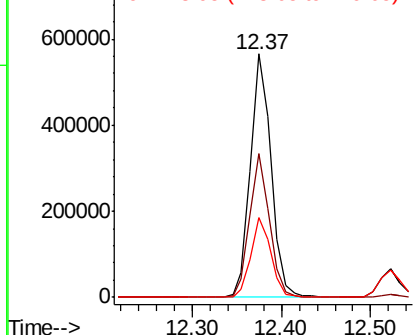
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	41.4	62.2
119	32.8	24.9	37.3

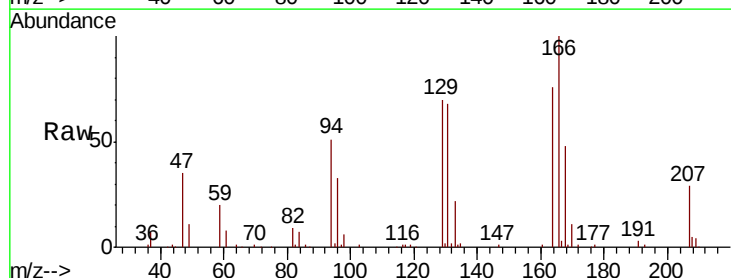


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

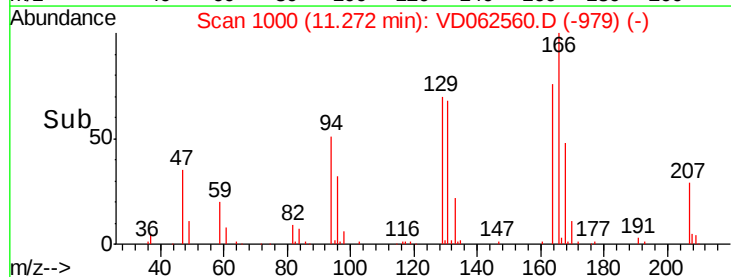
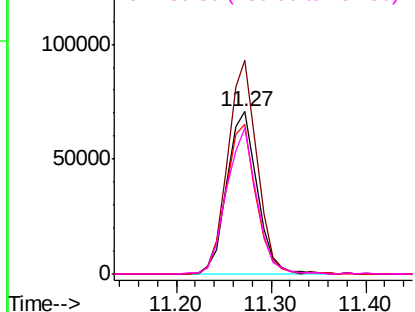


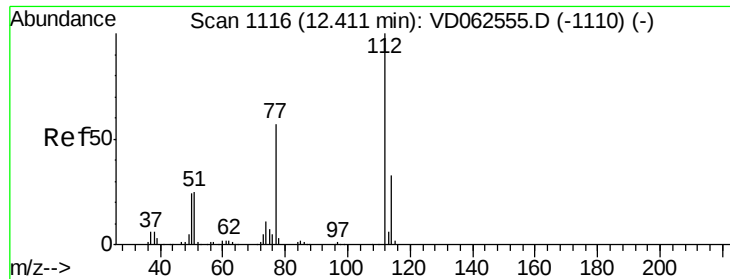
#64
Tetrachloroethene
Concen: 19.648 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	105.3	157.9
129	92.5	75.3	112.9
131	90.1	73.3	109.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

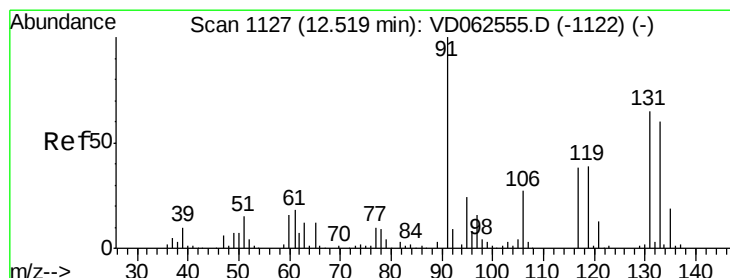
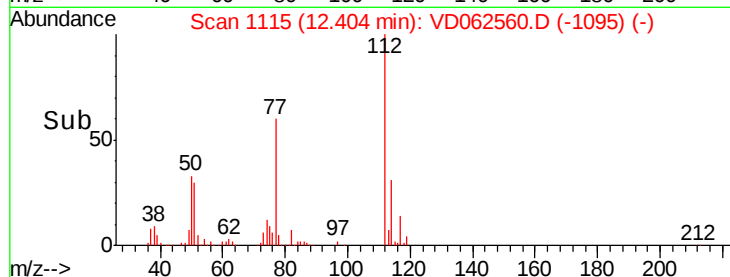
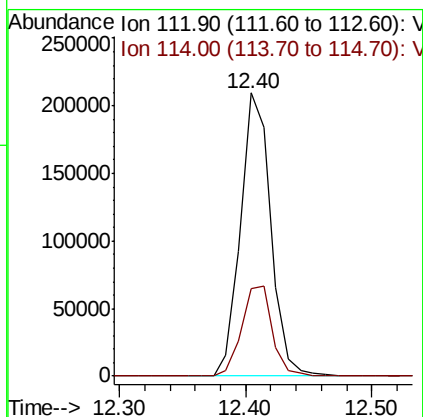
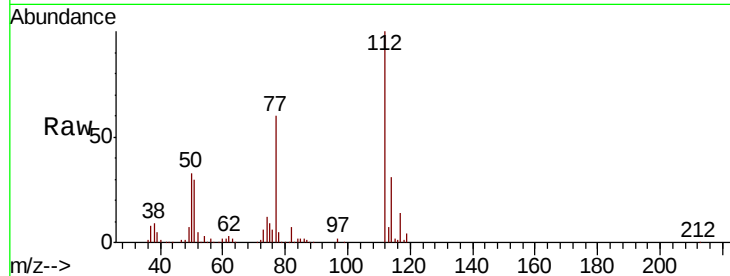




#65
Chlorobenzene
Concen: 19.792 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

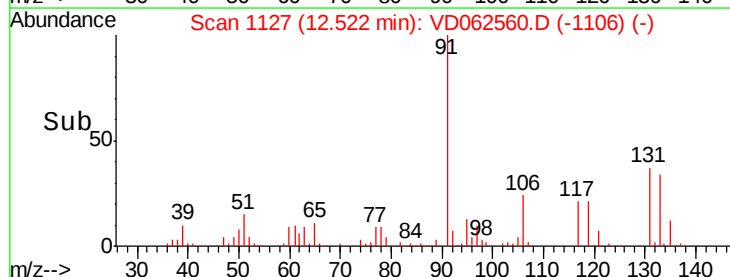
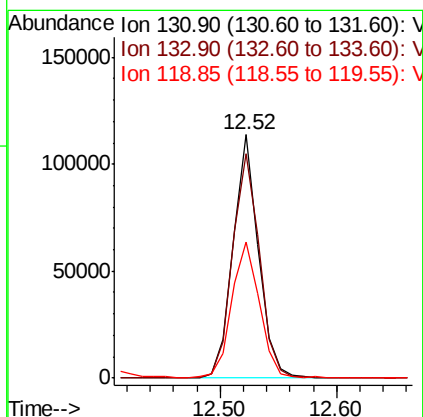
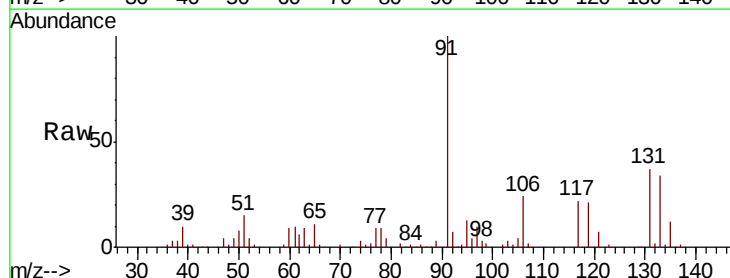
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

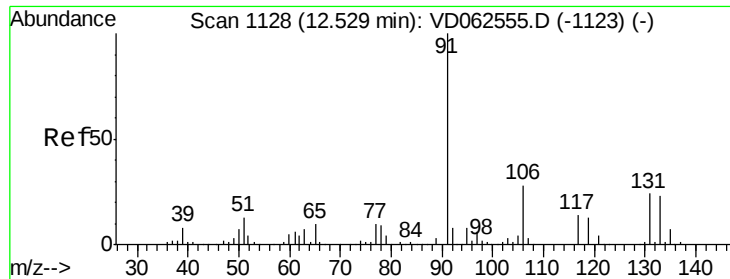
Tot Ion:112 Resp: 347747
Ion Ratio Lower Upper
112 100
114 30.8 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.677 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion:131 Resp: 171816
Ion Ratio Lower Upper
131 100
133 92.3 46.2 138.6
119 55.9 29.5 88.6

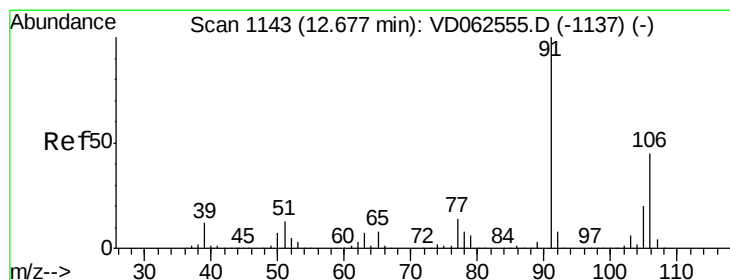
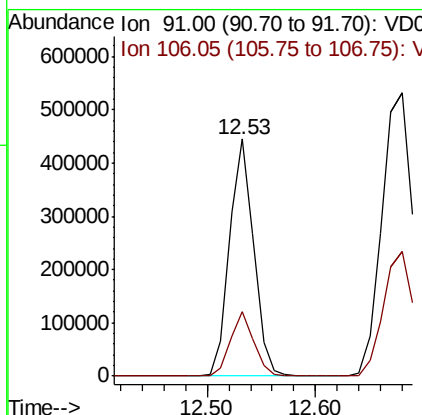
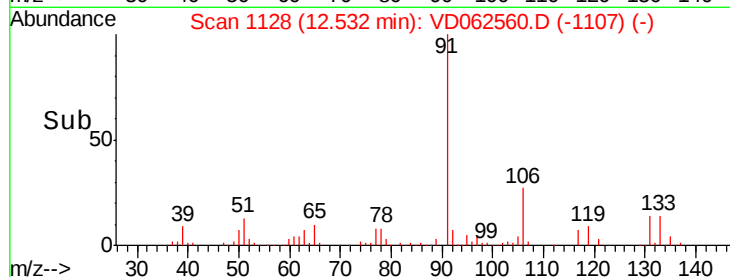
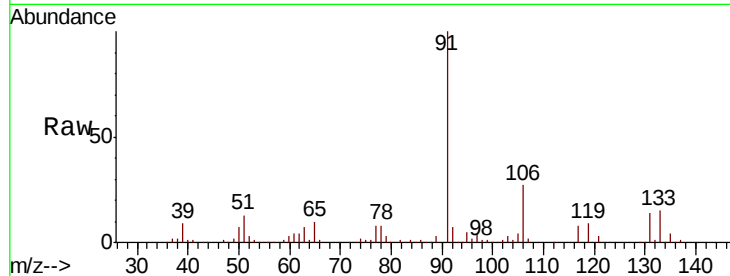




#67
Ethyl Benzene
Concen: 21.532 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

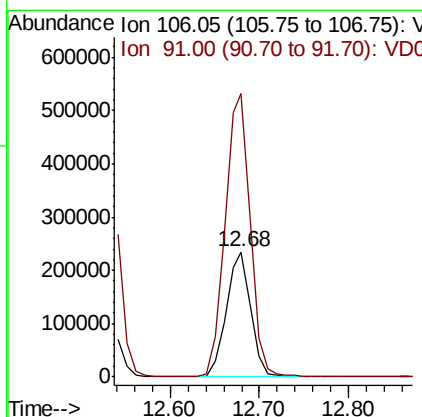
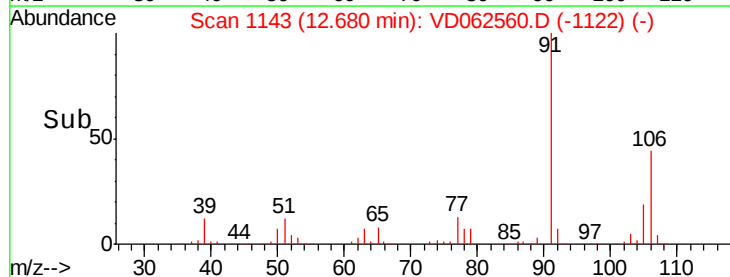
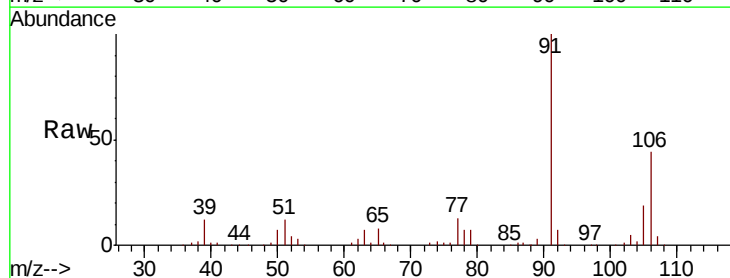
Instrument :
MSVOA_D
ClientSampleID :
VD0531SBS01

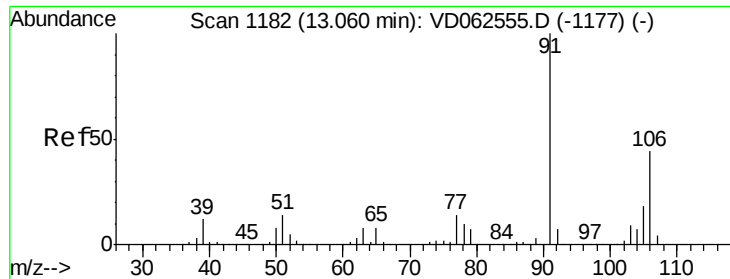
Tot Ion: 91 Resp: 693144
Ion Ratio Lower Upper
91 100
106 27.1 22.2 33.2



#68
m/p-Xylenes
Concen: 40.414 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion: 106 Resp: 450050
Ion Ratio Lower Upper
106 100
91 226.0 178.9 268.3

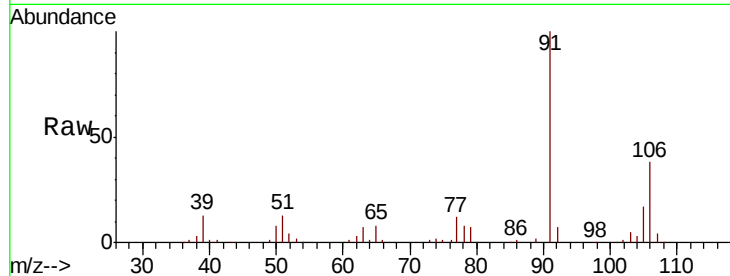




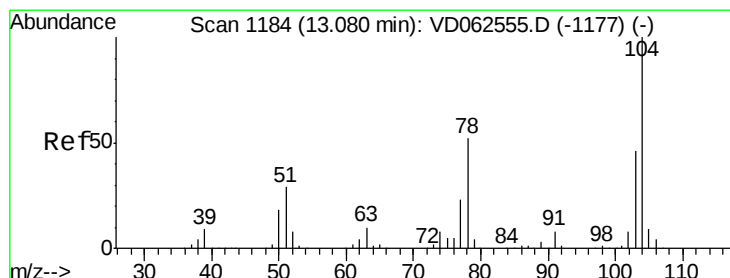
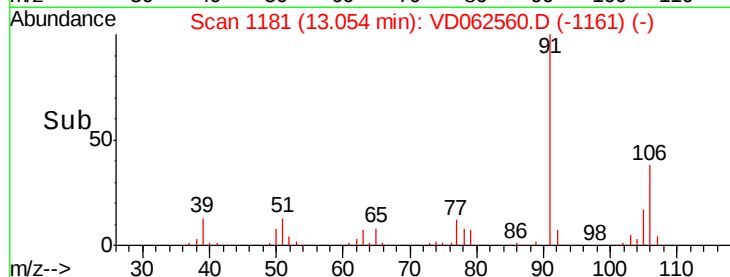
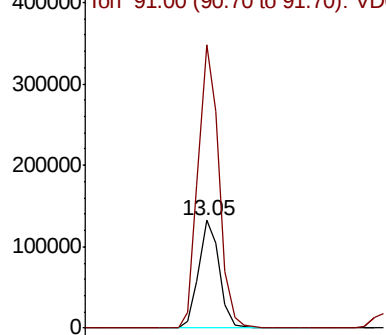
#69
o-Xylene
Concen: 18.821 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

Tot Ion:106 Resp: 199932
Ion Ratio Lower Upper
106 100
91 262.2 113.9 341.8

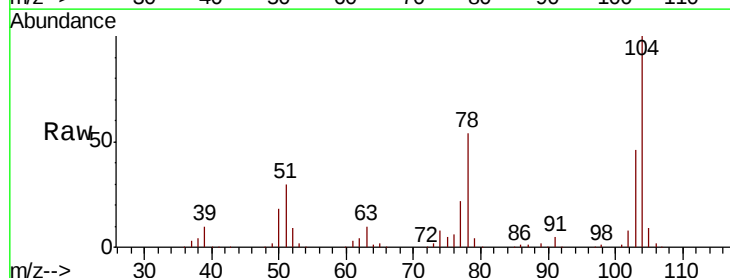


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

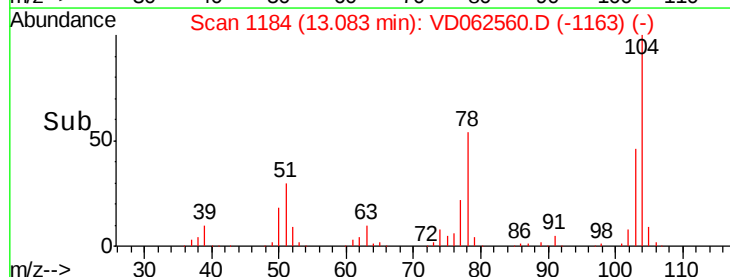
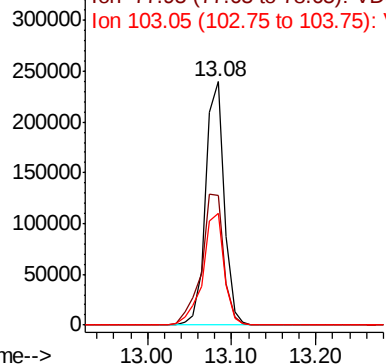


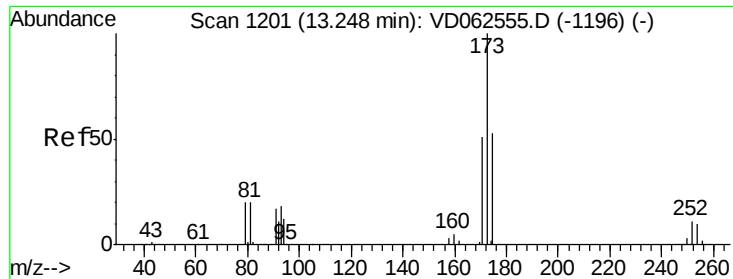
#70
Styrene
Concen: 20.369 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion:104 Resp: 367392
Ion Ratio Lower Upper
104 100
78 53.5 41.5 62.3
103 45.9 36.6 55.0



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

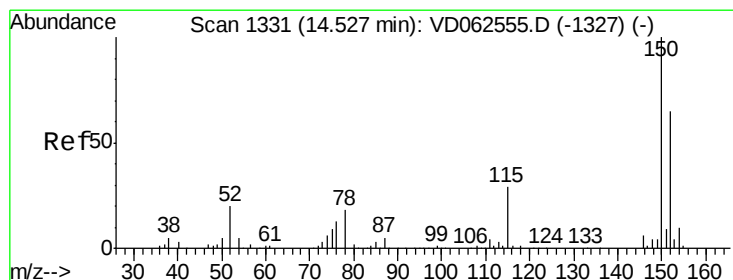
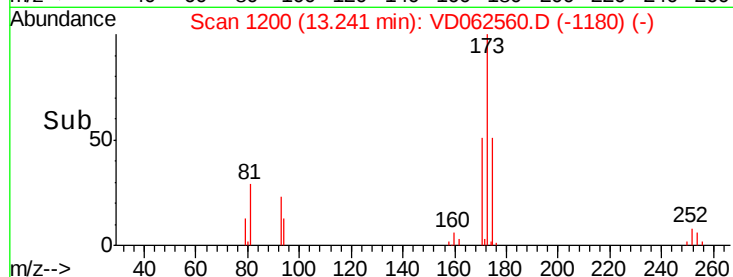
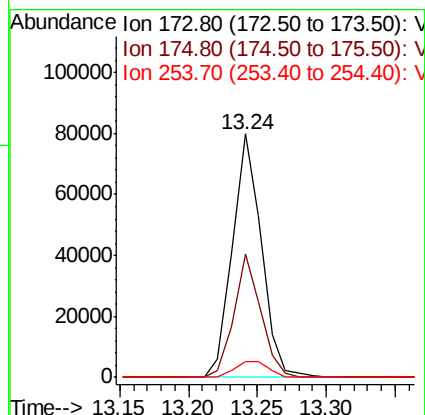
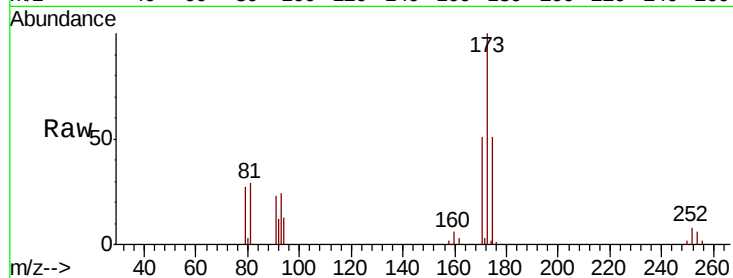




#71
Bromoform
Concen: 20.034 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

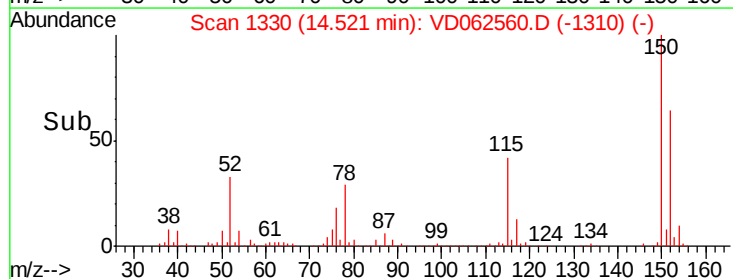
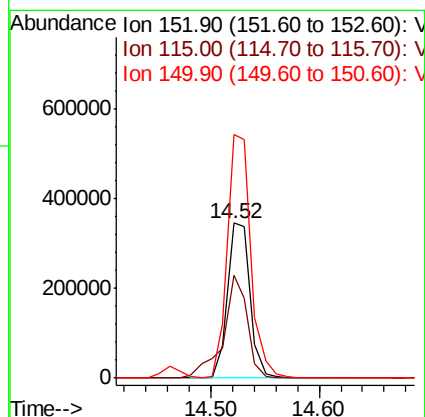
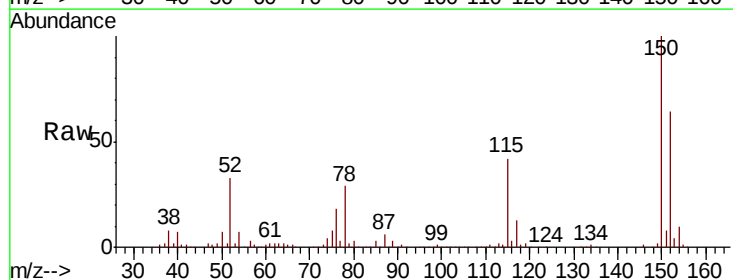
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

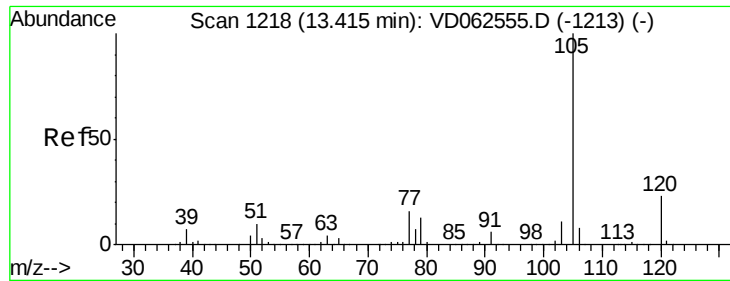
Tot Ion:173 Resp: 116860
Ion Ratio Lower Upper
173 100
175 50.8 26.6 79.7
254 6.5 8.1 12.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion:152 Resp: 501241
Ion Ratio Lower Upper
152 100
115 66.0 28.4 85.3
150 156.9 0.0 310.4





#73

Isopropylbenzene

Concen: 21.620 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

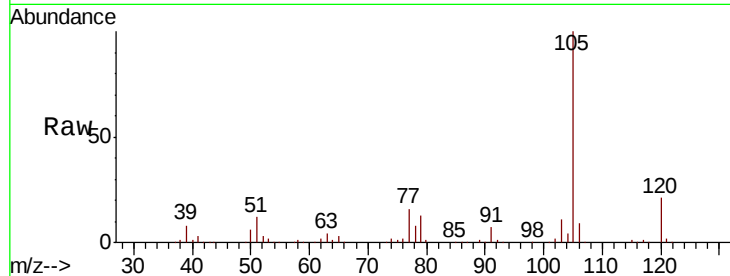
VD0531SBS01

Tot Ion:105 Resp: 714414

Ion Ratio Lower Upper

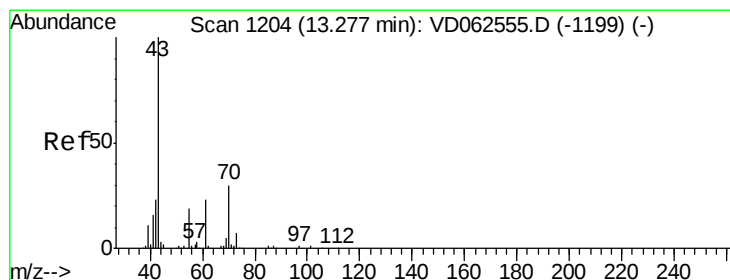
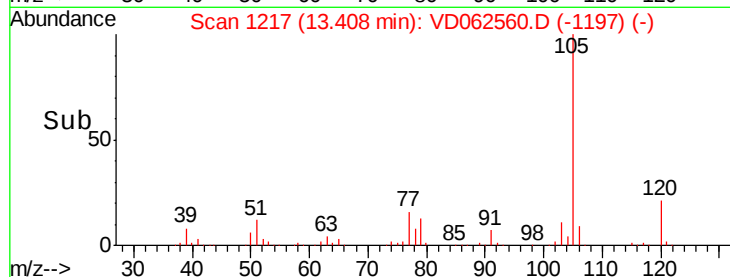
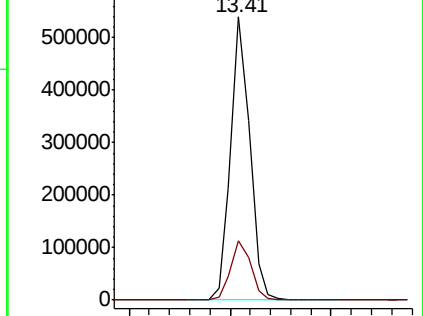
105 100

120 20.9 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.397 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Tgt Ion: 43 Resp: 155008

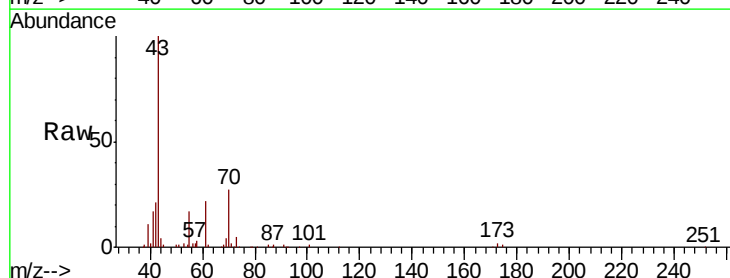
Ion Ratio Lower Upper

43 100

70 26.7 23.7 35.5

55 17.3 15.0 22.4

61 22.3 18.4 27.6

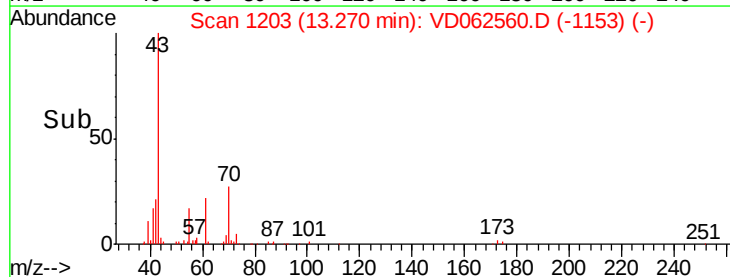
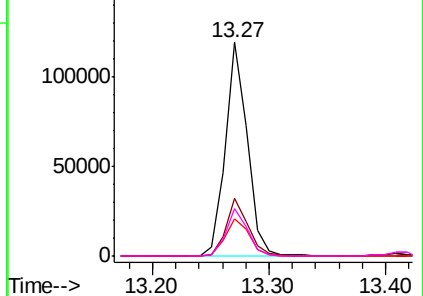


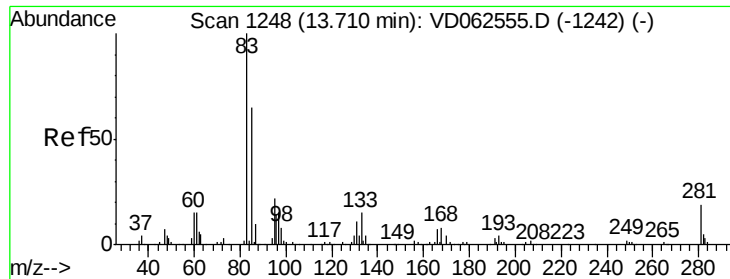
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.200 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

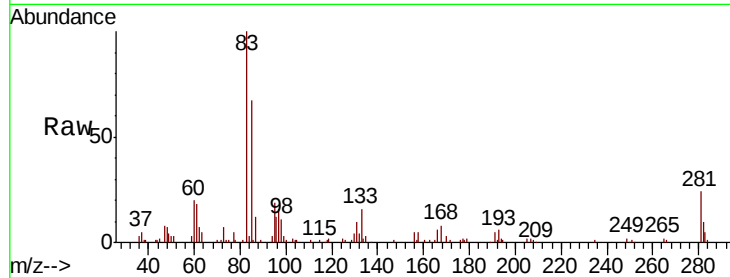
Tot Ion: 83 Resp: 105864

Ion Ratio Lower Upper

83 100

131 10.4 5.7 17.1

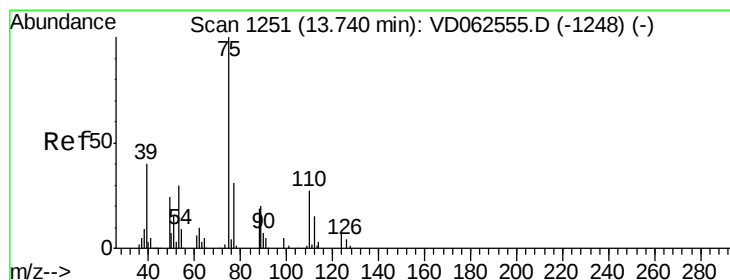
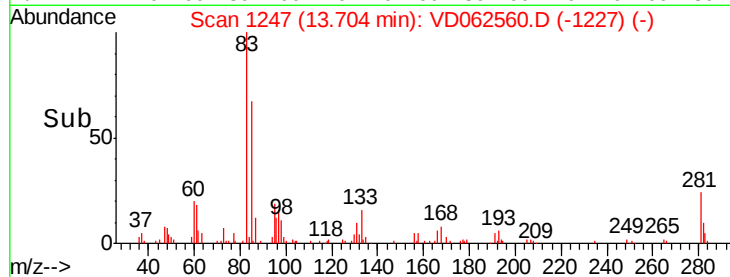
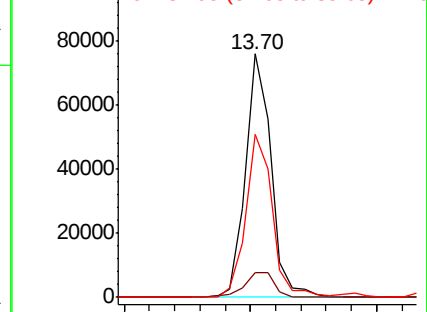
85 66.8 32.6 97.8



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: 20.073 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062560.D

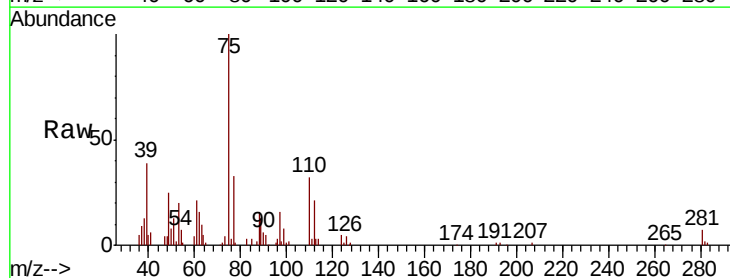
Acq: 31 May 2019 13:37

Tgt Ion: 75 Resp: 120709

Ion Ratio Lower Upper

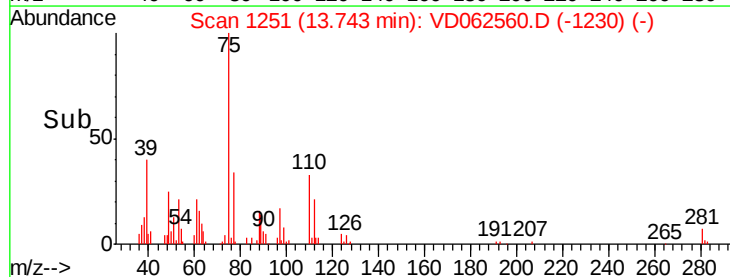
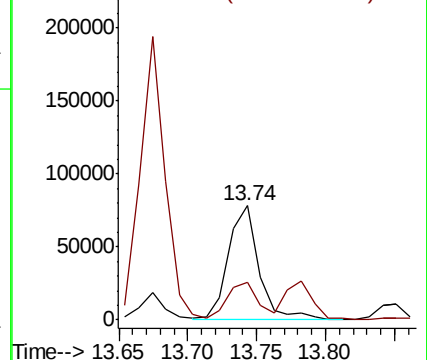
75 100

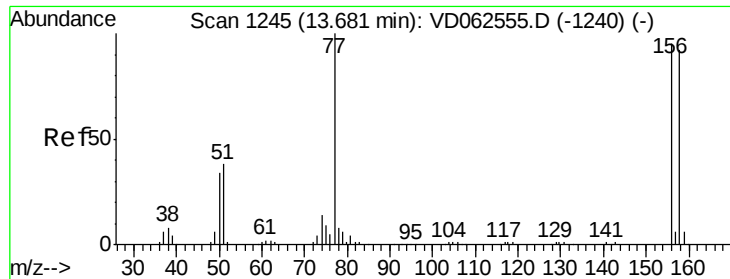
77 33.1 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.672 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

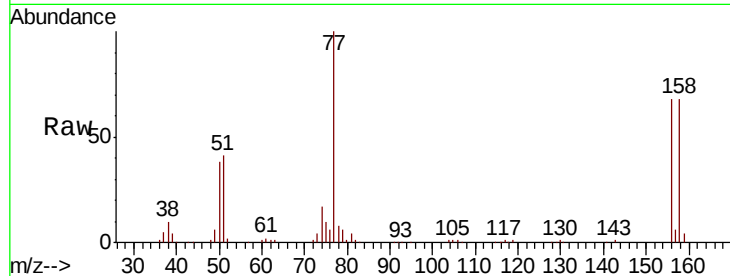
Tot Ion:156 Resp: 178230

Ion Ratio Lower Upper

156 100

77 146.4 52.9 158.7

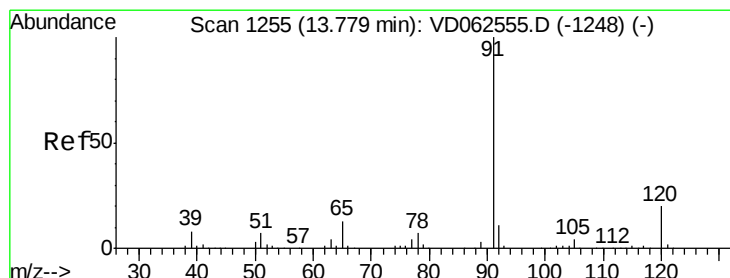
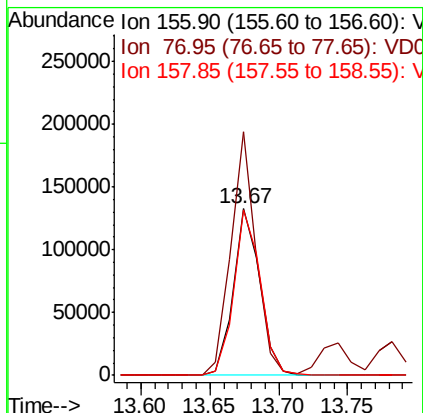
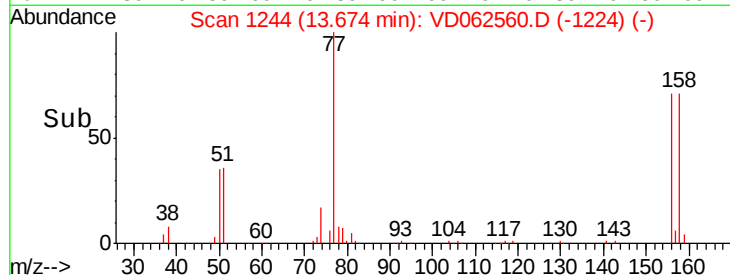
158 99.7 48.5 145.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.292 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062560.D

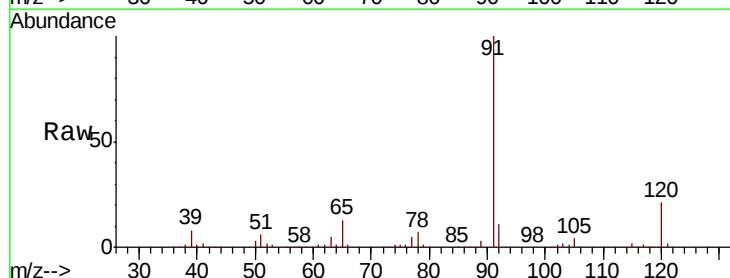
Acq: 31 May 2019 13:37

Tgt Ion: 91 Resp: 772915

Ion Ratio Lower Upper

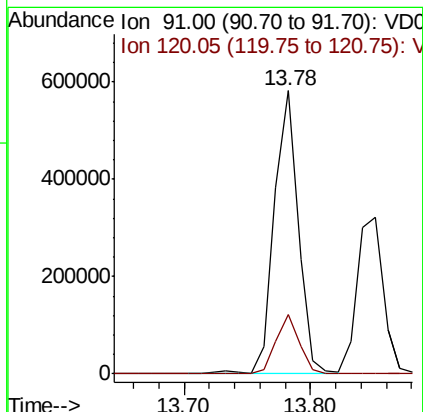
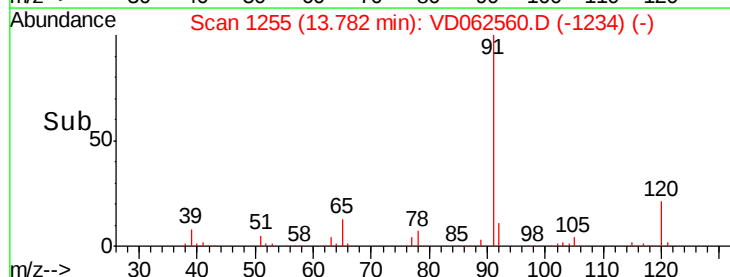
91 100

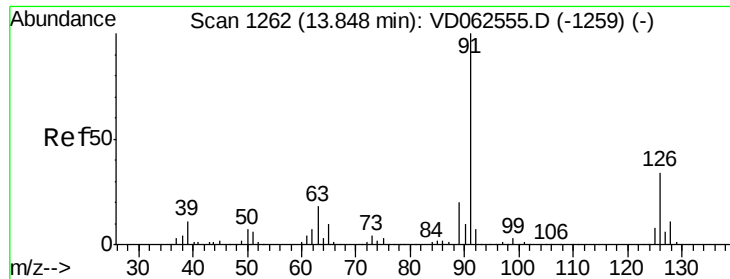
120 21.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.397 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

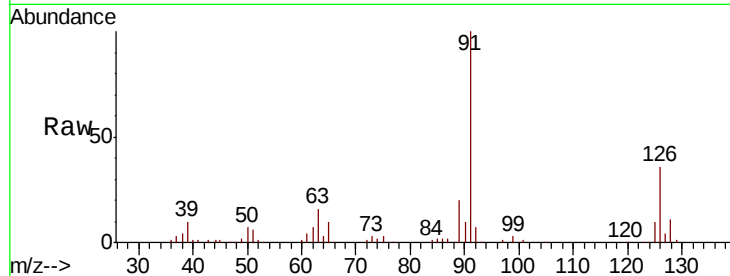
VD0531SBS01

Tot Ion: 91 Resp: 472565

Ion Ratio Lower Upper

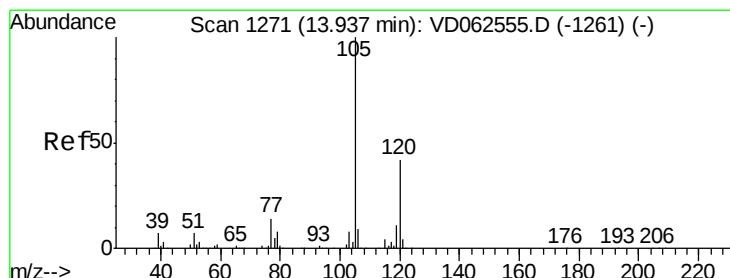
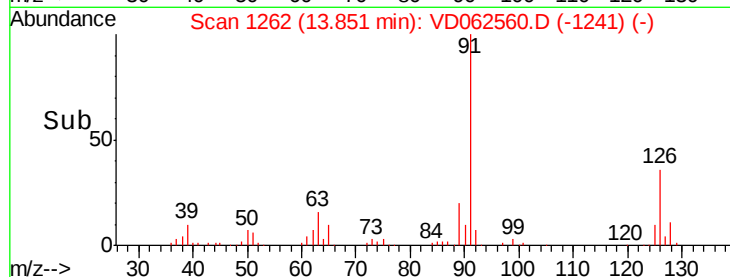
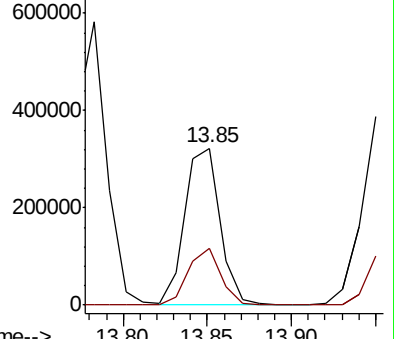
91 100

126 36.1 16.7 50.1



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: 21.915 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062560.D

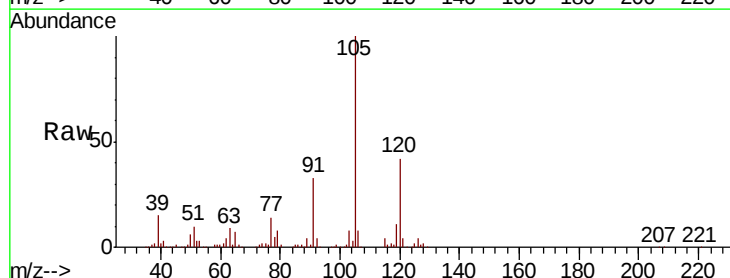
Acq: 31 May 2019 13:37

Tgt Ion:105 Resp: 618812

Ion Ratio Lower Upper

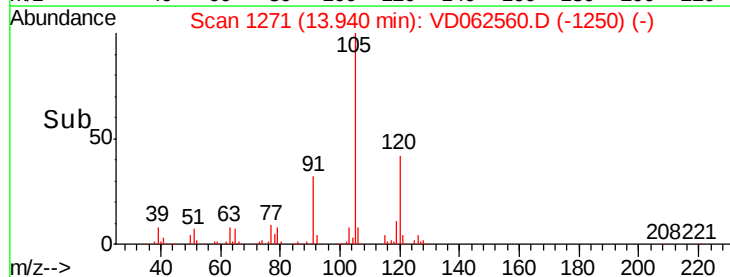
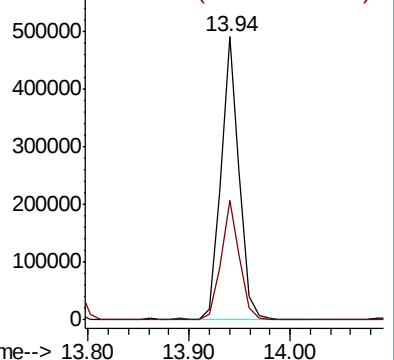
105 100

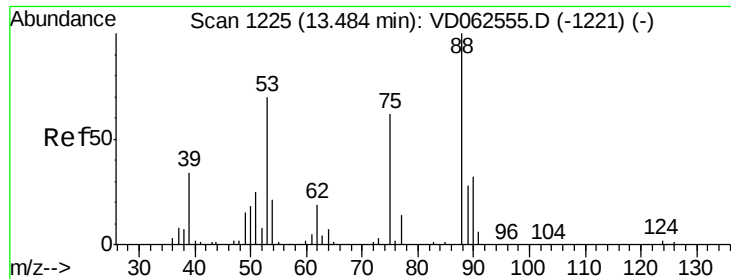
120 42.4 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.491 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

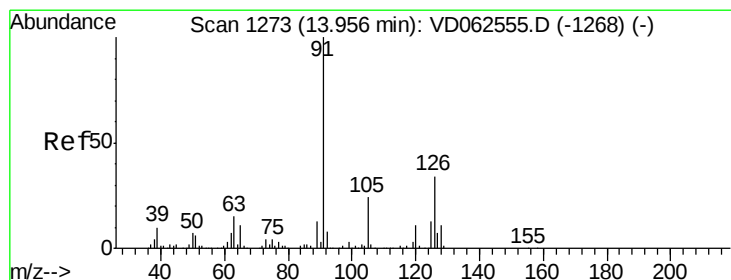
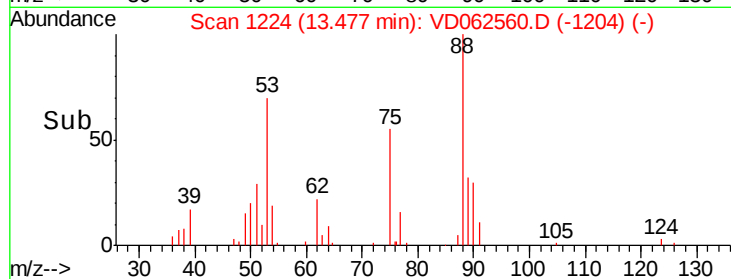
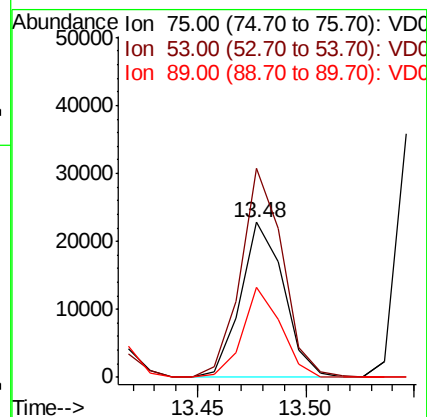
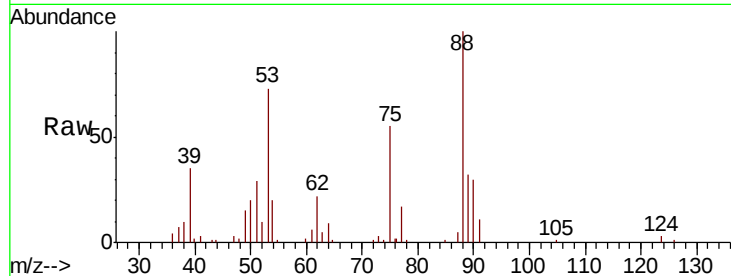
Tot Ion: 75 Resp: 31862

Ion Ratio Lower Upper

75 100

53 134.5 91.0 136.4

89 58.1 36.9 55.3#



#82

4-Chlorotoluene

Concen: 22.458 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062560.D

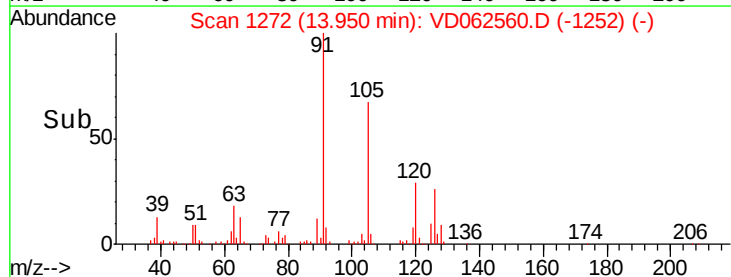
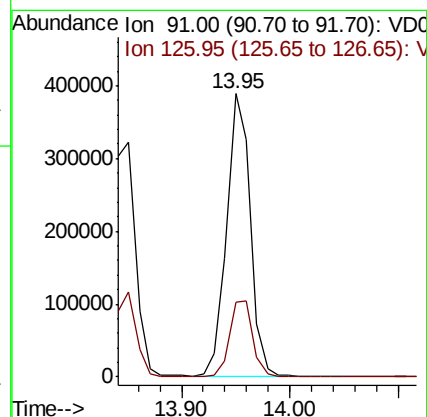
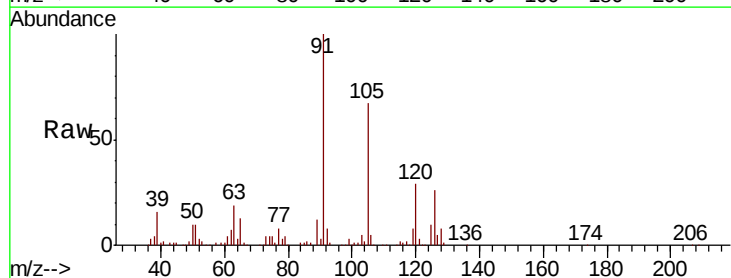
Acq: 31 May 2019 13:37

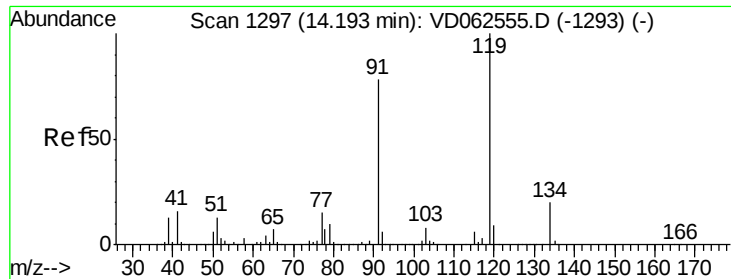
Tgt Ion: 91 Resp: 593784

Ion Ratio Lower Upper

91 100

126 26.3 16.9 50.7

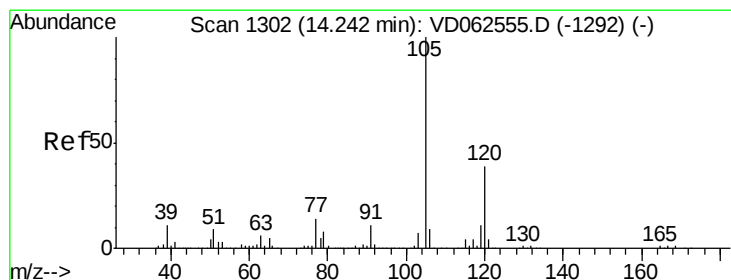
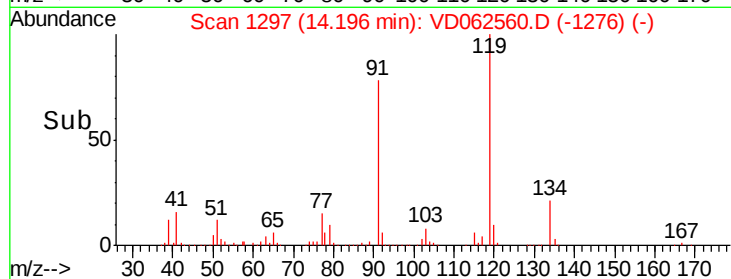
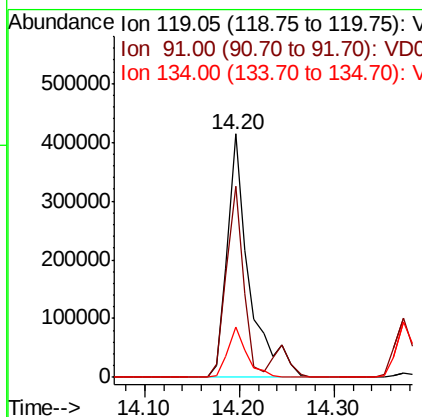
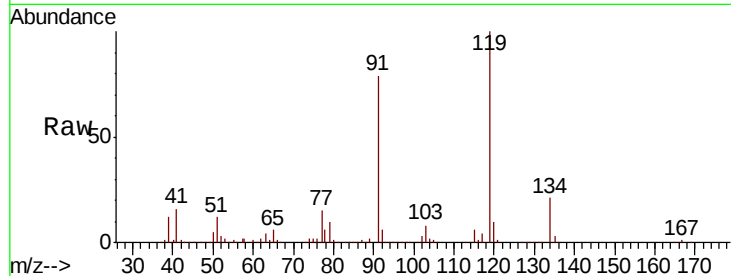




#83
 tert-Butylbenzene
 Concen: 21.190 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

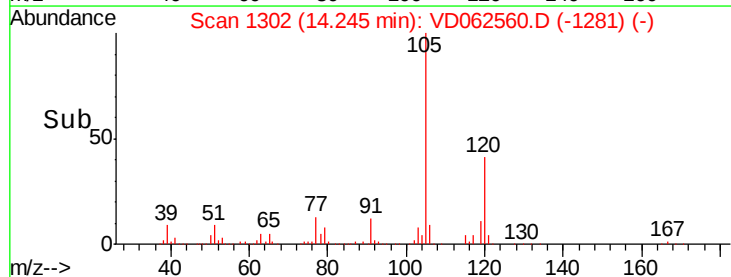
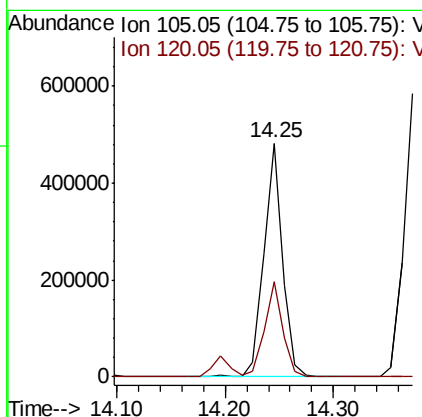
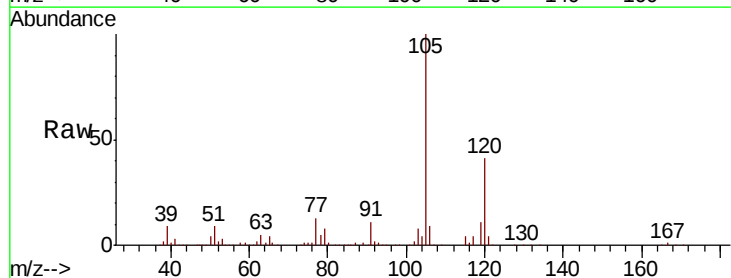
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

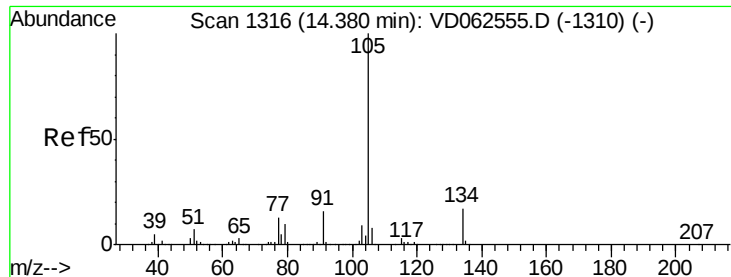
Tot Ion:119 Resp: 667656
 Ion Ratio Lower Upper
 119 100
 91 78.7 39.1 117.5
 134 20.7 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.485 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion:105 Resp: 589402
 Ion Ratio Lower Upper
 105 100
 120 40.7 19.6 58.8

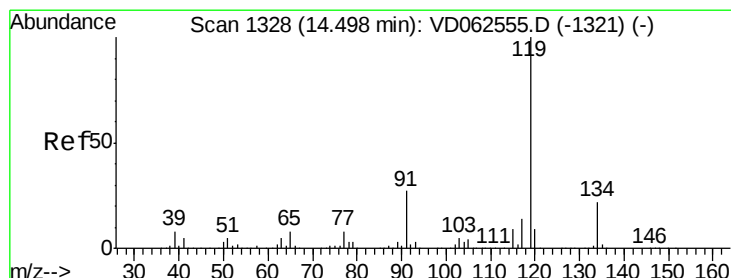
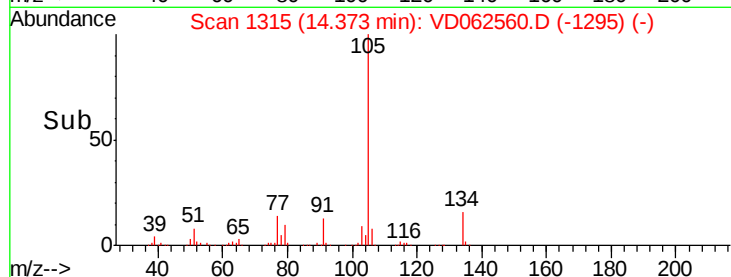
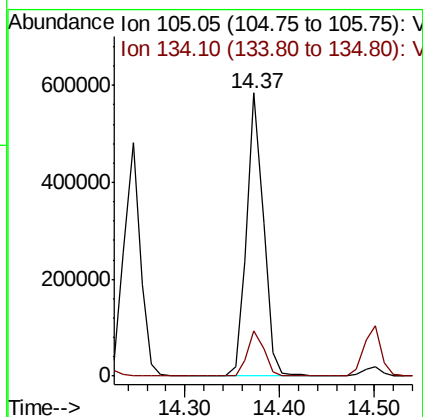
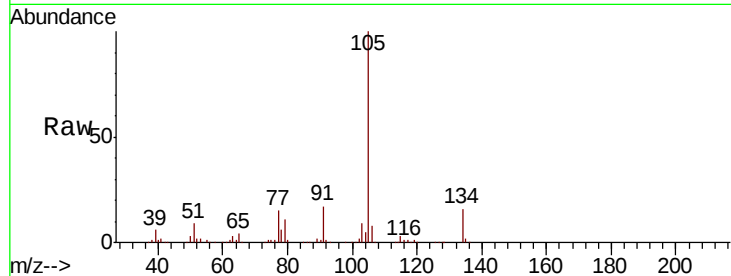




#85
 sec-Butylbenzene
 Concen: 21.622 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

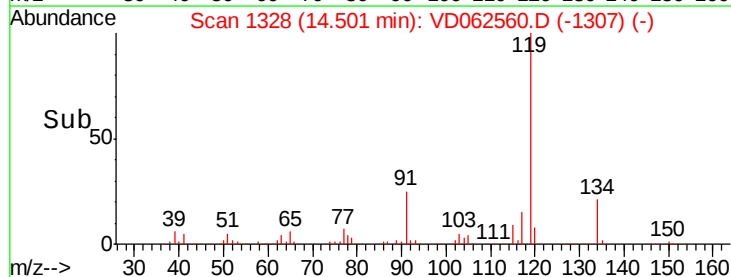
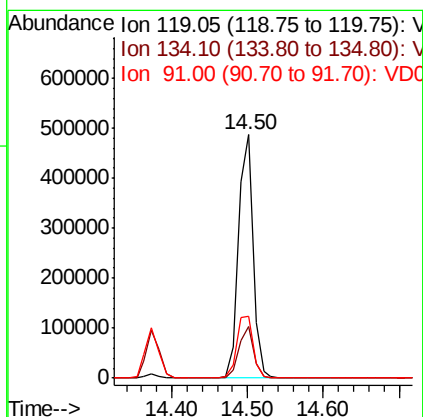
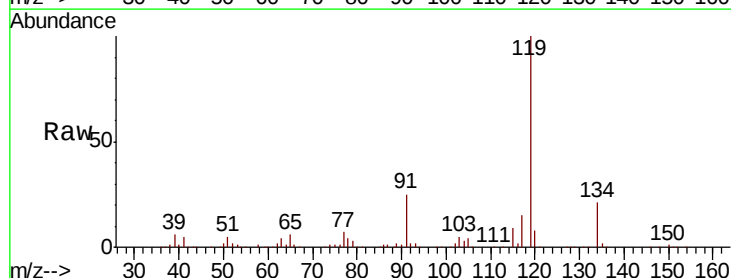
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

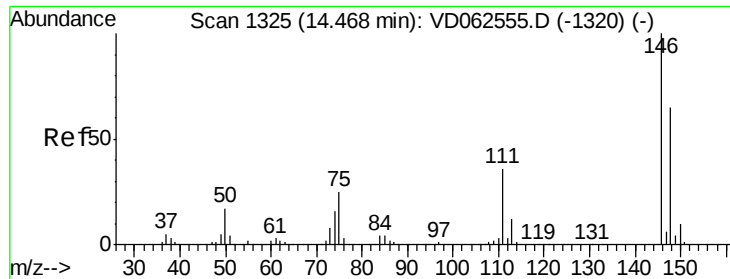
Tot Ion:105 Resp: 721685
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 20.611 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion:119 Resp: 642728
 Ion Ratio Lower Upper
 119 100
 134 21.2 11.2 33.6
 91 25.4 13.6 40.7

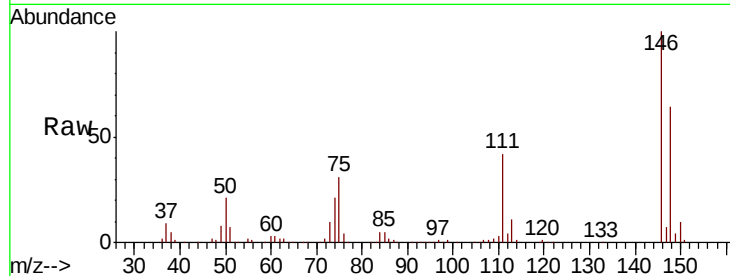




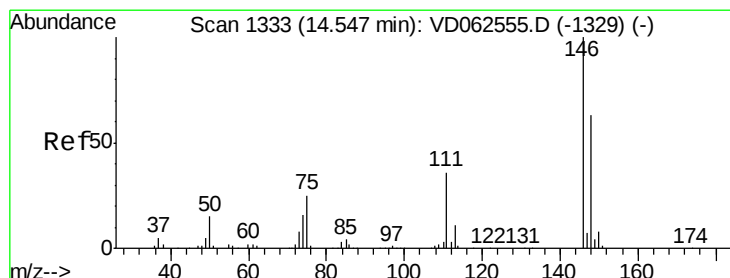
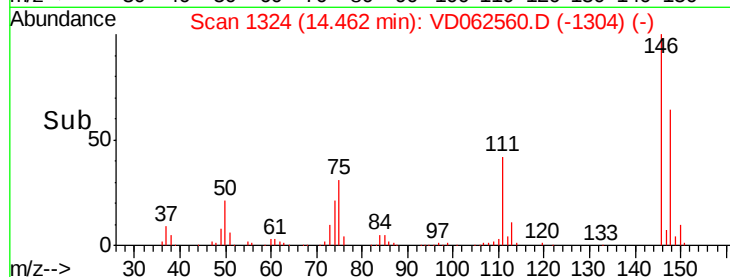
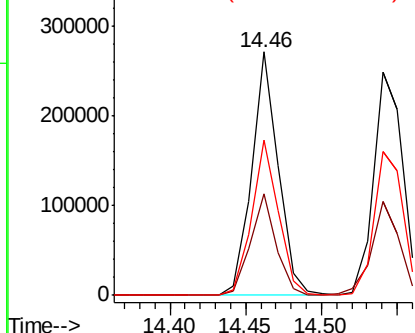
#87
 1,3-Dichlorobenzene
 Concen: 21.181 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

Tot Ion:146 Resp: 332658
 Ion Ratio Lower Upper
 146 100
 111 41.7 18.1 54.4
 148 63.9 32.3 96.9

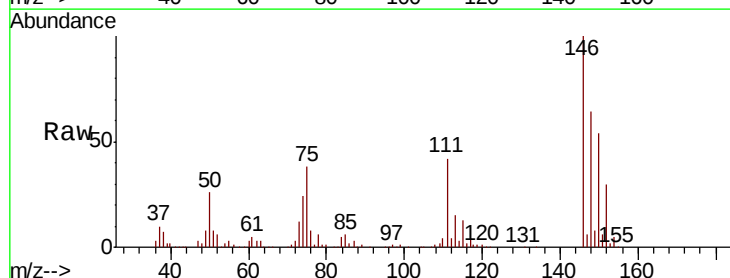


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

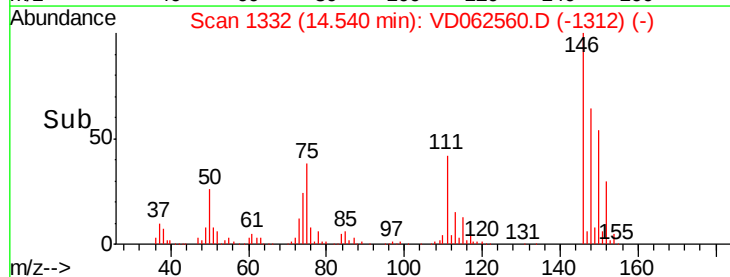
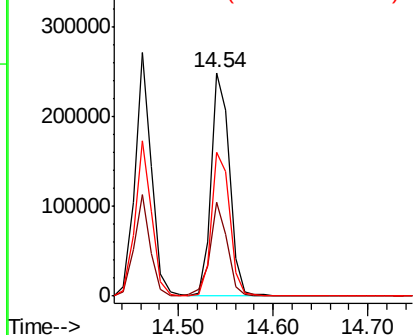


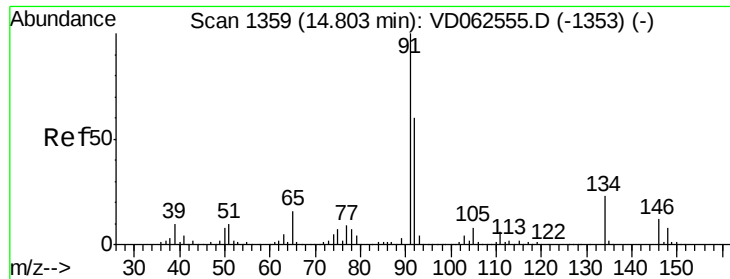
#88
 1,4-Dichlorobenzene
 Concen: 21.559 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion:146 Resp: 339314
 Ion Ratio Lower Upper
 146 100
 111 42.1 18.2 54.6
 148 64.3 31.6 94.8



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





#89

n-Butylbenzene

Concen: 21.471 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

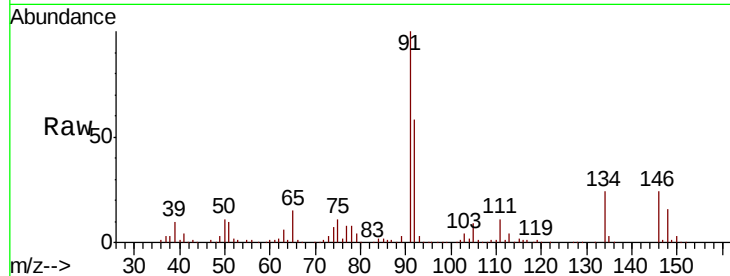
Tot Ion: 91 Resp: 597692

Ion Ratio Lower Upper

91 100

92 57.9 29.8 89.4

134 23.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

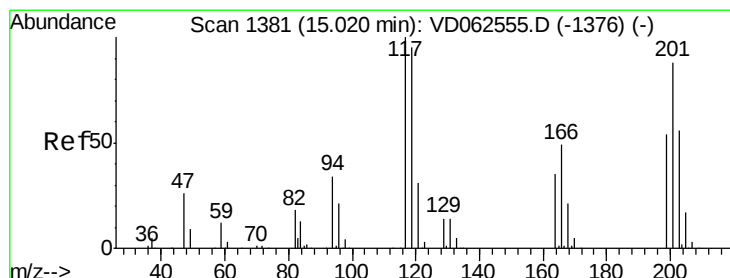
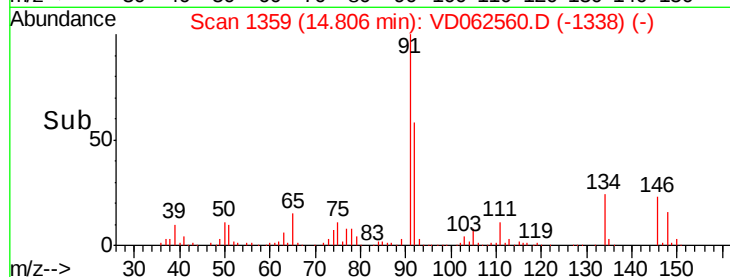
14.81

400000

200000

0

Time-->



#90

Hexachloroethane

Concen: 21.339 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062560.D

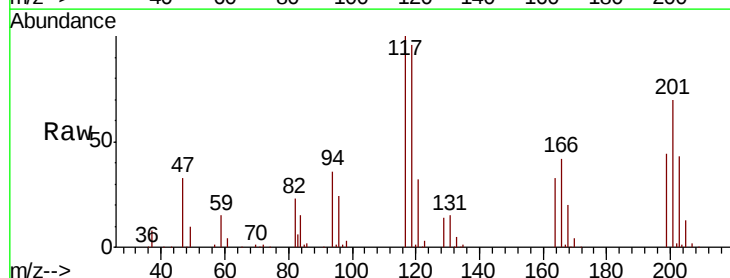
Acq: 31 May 2019 13:37

Tgt Ion: 117 Resp: 176541

Ion Ratio Lower Upper

117 100

201 69.7 43.8 131.4



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

15.01

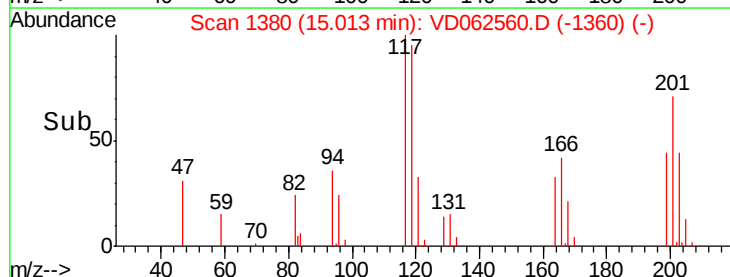
150000

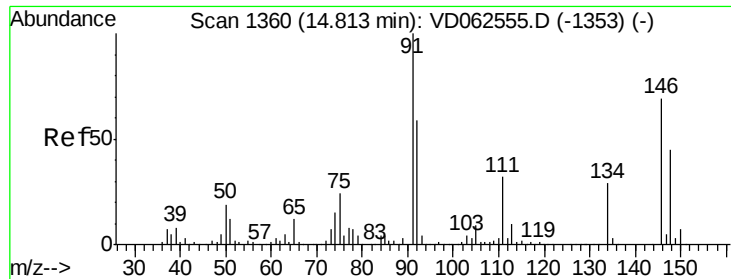
100000

50000

0

Time-->





#91

1,2-Dichlorobenzene

Concen: 22.244 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

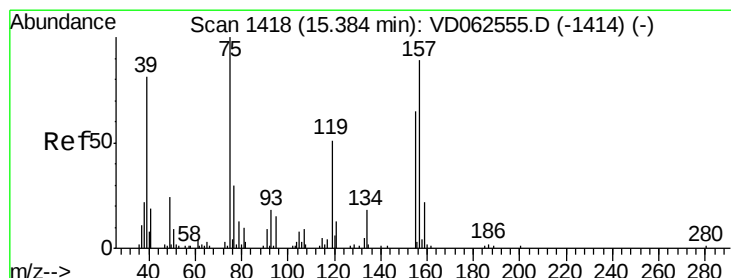
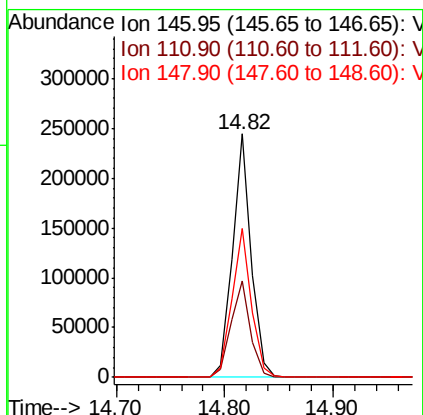
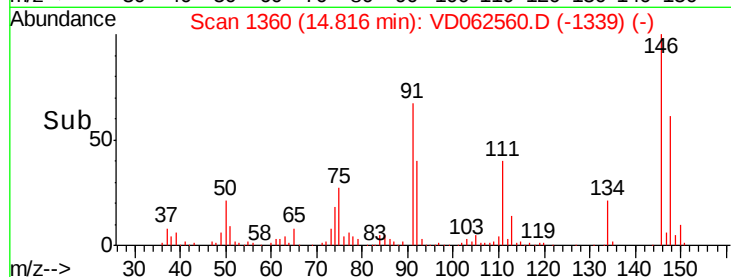
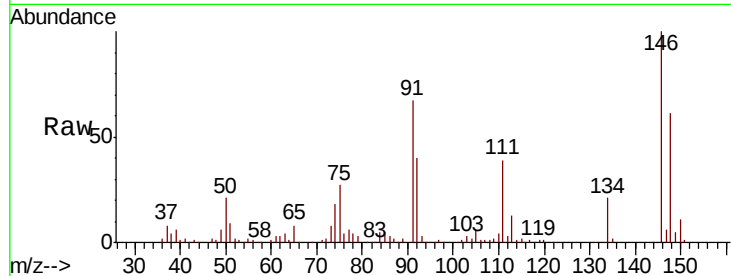
Tot Ion:146 Resp: 293891

Ion Ratio Lower Upper

146 100

111 39.5 22.8 68.4

148 60.9 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.287 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062560.D

Acq: 31 May 2019 13:37

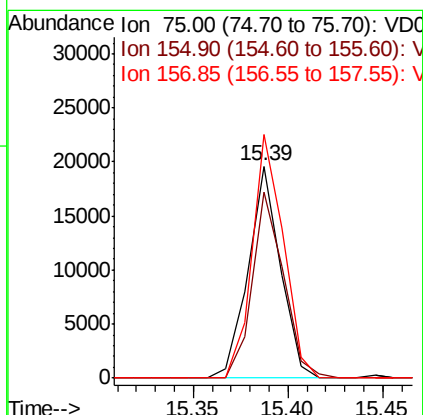
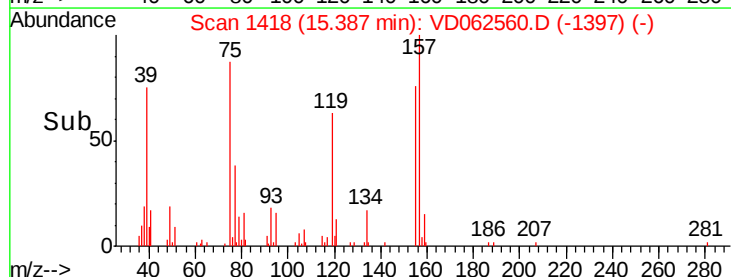
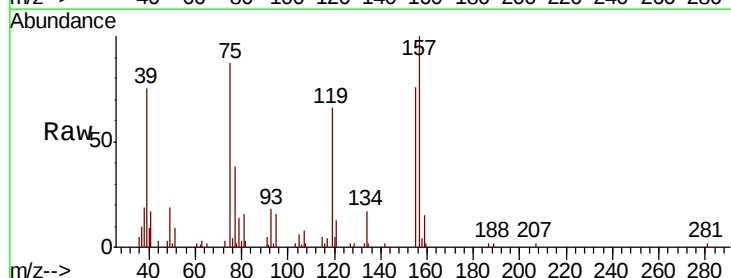
Tgt Ion: 75 Resp: 23133

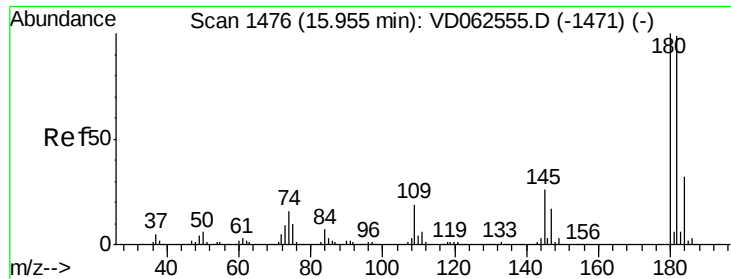
Ion Ratio Lower Upper

75 100

155 87.6 32.6 97.8

157 114.9 44.5 133.7

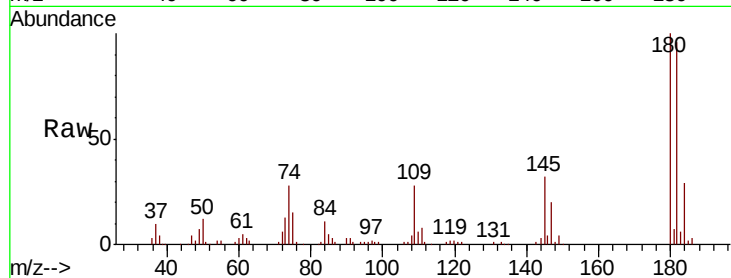




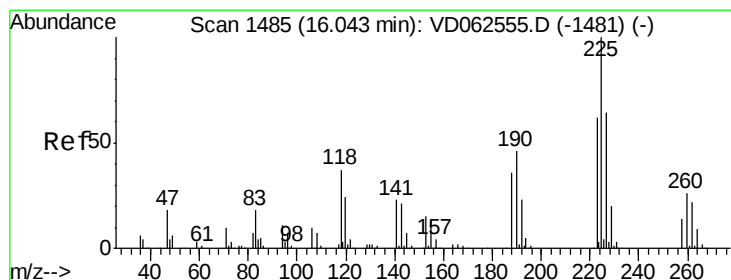
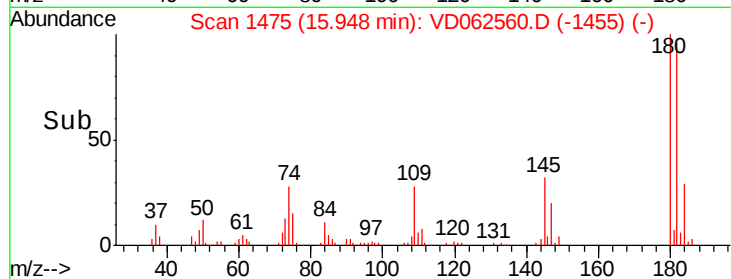
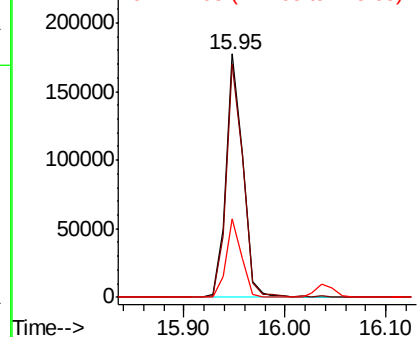
#93
 1,2,4-Trichlorobenzene
 Concen: 19.736 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	49.5	148.3
145	32.0	13.1	39.3

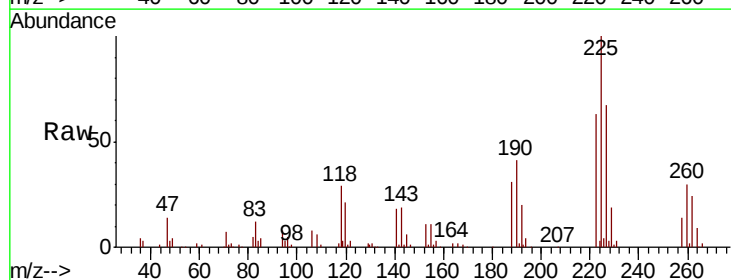


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

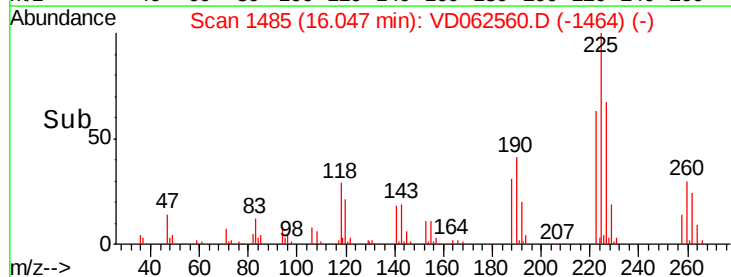
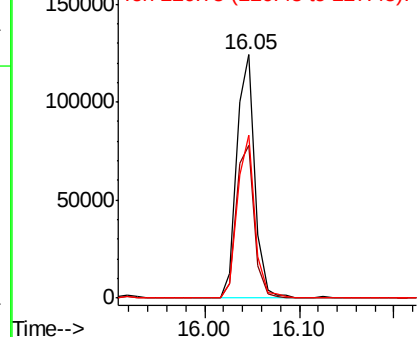


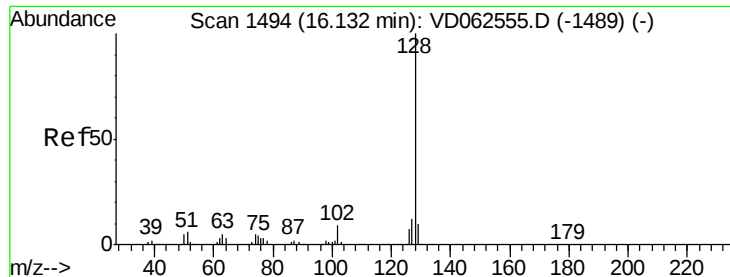
#94
 Hexachlorobutadiene
 Concen: 21.068 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062560.D
 Acq: 31 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.1	93.5
227	66.9	32.1	96.5



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

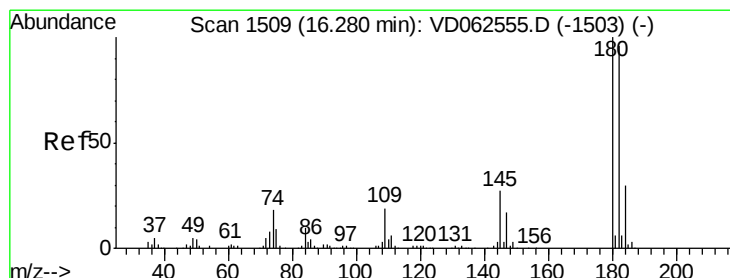
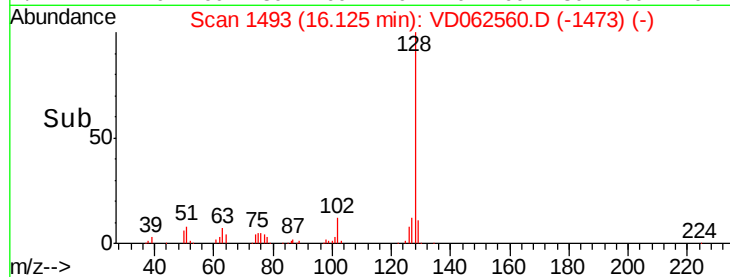
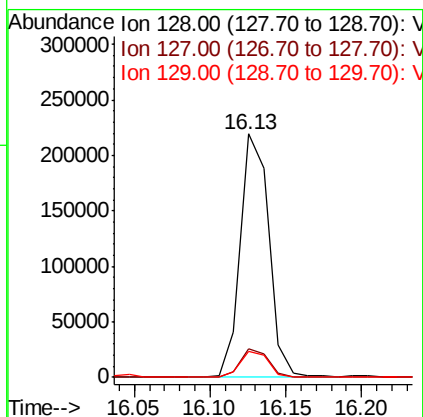
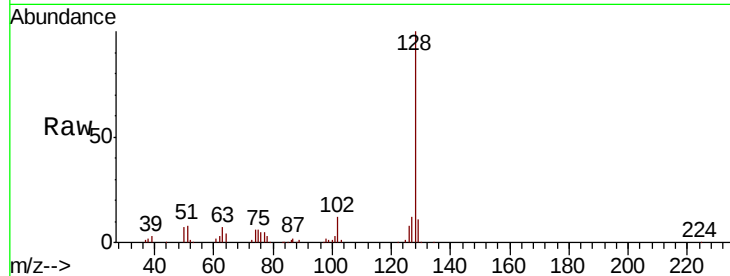




#95
Naphthalene
Concen: 19.999 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

Tot Ion:128 Resp: 287722
Ion Ratio Lower Upper
128 100
127 12.0 9.7 14.5
129 10.7 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 19.575 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062560.D
Acq: 31 May 2019 13:37

Tgt Ion:180 Resp: 154474
Ion Ratio Lower Upper
180 100
182 95.1 48.1 144.3
145 33.6 13.3 39.9

