

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062321.D
 Acq On : 14 May 2019 00:12
 Operator : FY/SY
 Sample : VD0513SBS02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Quant Time: May 14 05:13:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	538368	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	728588	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	649361	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	345949	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	317204	63.40	ug/l	0.04
Spiked Amount	50.000		Recovery	=	126.80%	
35) Dibromofluoromethane	6.93	113	346712	57.35	ug/l	0.04
Spiked Amount	50.000		Recovery	=	114.70%	
50) Toluene-d8	10.42	98	708400	48.60	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	13.57	95	340155	58.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	108709	21.113	ug/l	94
3) Chloromethane	1.76	50	71762	19.288	ug/l	99
4) Vinyl Chloride	1.86	62	75243	20.578	ug/l	96
5) Bromomethane	2.15	94	28904	33.736	ug/l	97
6) Chloroethane	2.26	64	36282	23.647	ug/l	98
7) Trichlorofluoromethane	2.53	101	199310	28.037	ug/l	93
8) Diethyl Ether	2.88	74	26542	19.360	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.15	101	124155	23.088	ug/l	92
10) Methyl Iodide	3.31	142	126810	15.603	ug/l #	86
11) Tert butyl alcohol	4.09	59	34147	133.709	ug/l #	95
12) 1,1-Dichloroethene	3.13	96	81857	19.941	ug/l #	73
13) Acrolein	3.05	56	15897	60.183	ug/l #	82
14) Allyl chloride	3.63	41	124342	20.833	ug/l #	77
15) Acrylonitrile	4.21	53	74173	110.498	ug/l #	84
16) Acetone	3.23	43	124302	118.472	ug/l #	84
17) Carbon Disulfide	3.38	76	200972	17.019	ug/l	99
18) Methyl Acetate	3.65	43	56420	29.945	ug/l #	85
19) Methyl tert-butyl Ether	4.25	73	213032	24.212	ug/l	91
20) Methylene Chloride	3.82	84	97653	22.291	ug/l #	84
21) trans-1,2-Dichloroethene	4.23	96	90298	19.768	ug/l #	82
22) Diisopropyl ether	5.14	45	269950	21.254	ug/l	93
23) Vinyl Acetate	5.07	43	825202	123.142	ug/l	97
24) 1,1-Dichloroethane	5.00	63	174329	22.752	ug/l	99
25) 2-Butanone	6.09	43	141919	124.008	ug/l	99
26) 2,2-Dichloropropane	6.04	77	191563	25.099	ug/l	89
27) cis-1,2-Dichloroethene	6.05	96	112079	21.921	ug/l	95
28) Bromochloromethane	6.45	49	80220	26.611	ug/l	90
29) Tetrahydrofuran	6.47	42	64541	122.397	ug/l	95
30) Chloroform	6.68	83	223917	24.249	ug/l	97
31) Cyclohexane	6.97	56	100650	19.174	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	234010	26.811	ug/l	97
36) 1,1-Dichloropropene	7.16	75	150114	25.129	ug/l	93
37) Ethyl Acetate	6.20	43	62454	24.652	ug/l #	85
38) Carbon Tetrachloride	7.12	117	222456	26.905	ug/l	97

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Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Quant Time: May 14 05:13:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	123040	21.497	ug/l	87
40) Benzene	7.46	78	292299	21.669	ug/l	96
41) Methacrylonitrile	6.47	41	85750	27.698	ug/l #	78
42) 1,2-Dichloroethane	7.59	62	164215	28.733	ug/l	91
43) Isopropyl Acetate	9.26	43	82913	23.077	ug/l	90
44) Trichloroethene	8.55	130	111771	21.744	ug/l	76
45) 1,2-Dichloropropane	8.95	63	76620	22.963	ug/l	98
46) Dibromomethane	9.08	93	68780	25.349	ug/l #	87
47) Bromodichloromethane	9.38	83	171132	25.785	ug/l	99
48) Methyl methacrylate	9.14	41	55770	25.200	ug/l #	87
49) 1,4-Dioxane	9.10	88	11970	501.297	ug/l #	78
51) 4-Methyl-2-Pentanone	10.31	43	303440	131.385	ug/l	89
52) Toluene	10.52	92	204954	23.352	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	147150	25.654	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	145303	23.220	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	77095	24.826	ug/l	97
56) Ethyl methacrylate	11.06	69	78052	24.187	ug/l #	92
57) 1,3-Dichloropropane	11.42	76	109151	23.266	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	232837	132.092	ug/l	97
59) 2-Hexanone	11.54	43	231624	136.072	ug/l	86
60) Dibromochloromethane	11.70	129	133301	24.838	ug/l	98
61) 1,2-Dibromoethane	11.81	107	89806	23.787	ug/l	97
64) Tetrachloroethene	11.27	164	116390	22.922	ug/l	89
65) Chlorobenzene	12.41	112	251856	20.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	124356	23.625	ug/l	93
67) Ethyl Benzene	12.53	91	465412	22.986	ug/l	95
68) m/p-Xylenes	12.67	106	310400	42.135	ug/l	87
69) o-Xylene	13.05	106	143021	20.883	ug/l	74
70) Styrene	13.07	104	243194	20.962	ug/l #	88
71) Bromoform	13.24	173	87709	23.950	ug/l #	99
73) Isopropylbenzene	13.41	105	467126	22.526	ug/l	95
74) N-amyl acetate	13.27	43	119966	22.065	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	88953	22.658	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	97017	23.597	ug/l	97
77) Bromobenzene	13.67	156	137359	23.662	ug/l	89
78) n-propylbenzene	13.78	91	601359	24.310	ug/l	96
79) 2-Chlorotoluene	13.84	91	338463	23.890	ug/l	84
80) 1,3,5-Trimethylbenzene	13.94	105	373113	21.367	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	23301	20.076	ug/l #	72
82) 4-Chlorotoluene	13.95	91	380052	22.796	ug/l	82
83) tert-Butylbenzene	14.20	119	456326	23.249	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	390849	22.304	ug/l	91
85) sec-Butylbenzene	14.37	105	501127	23.287	ug/l	96
86) p-Isopropyltoluene	14.49	119	422545	21.977	ug/l	89
87) 1,3-Dichlorobenzene	14.46	146	229062	21.600	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	230246	22.097	ug/l	98
89) n-Butylbenzene	14.81	91	424728	24.611	ug/l	96
90) Hexachloroethane	15.01	117	116649	22.310	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	208323	23.853	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	16303	25.298	ug/l	91

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

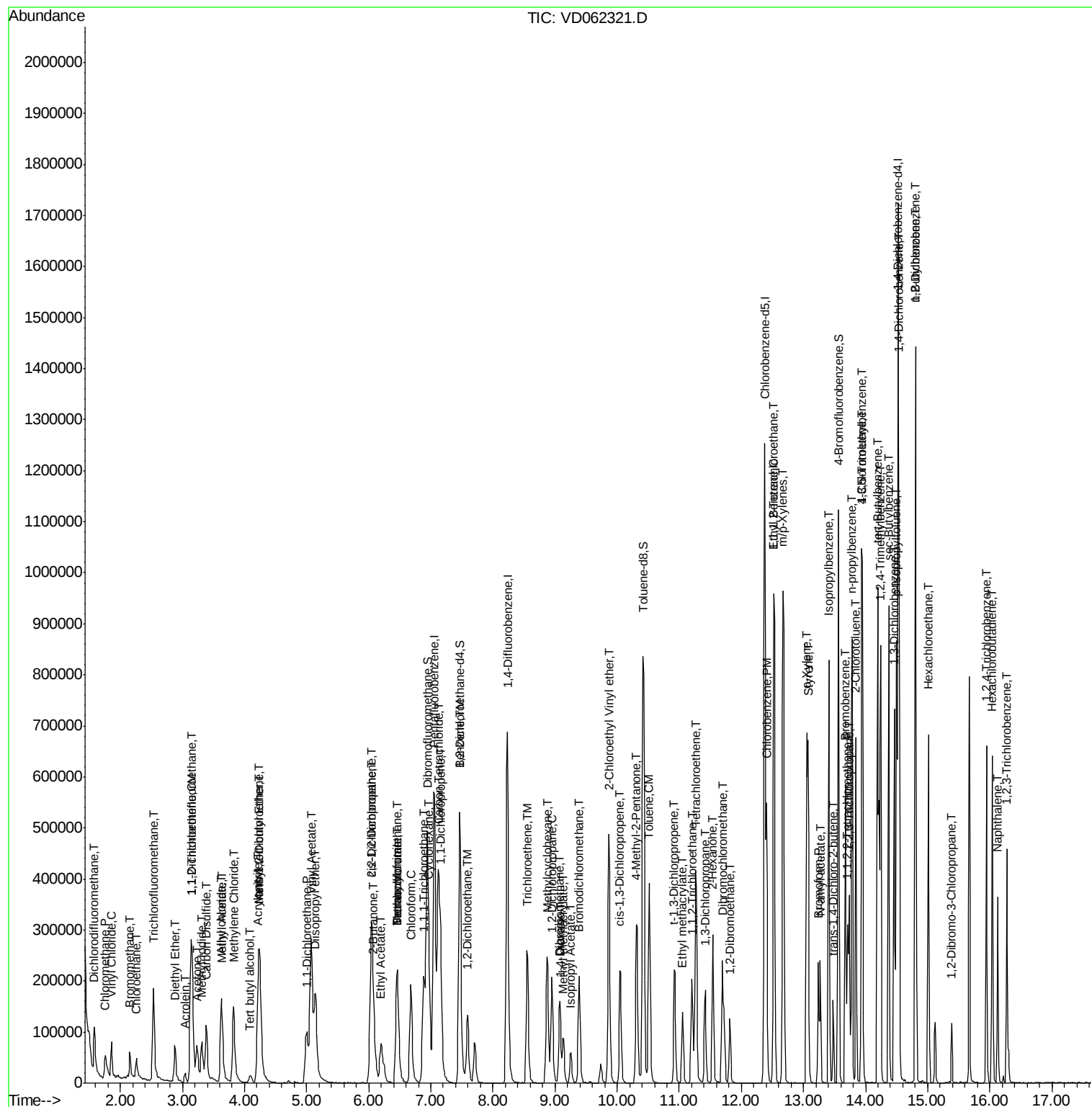
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	150476	23.672	ug/l	96
94) Hexachlorobutadiene	16.05	225	117507	24.854	ug/l	98
95) Naphthalene	16.12	128	218545	24.625	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	112151	28.060	ug/l	96

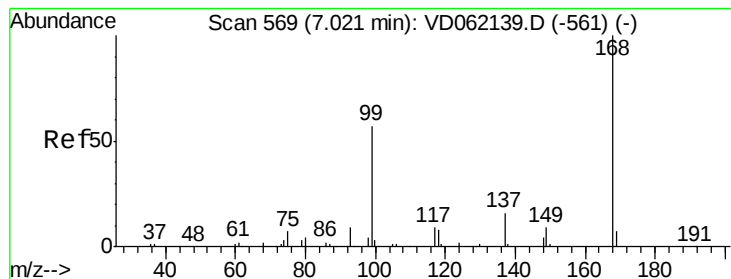
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062321.D
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 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

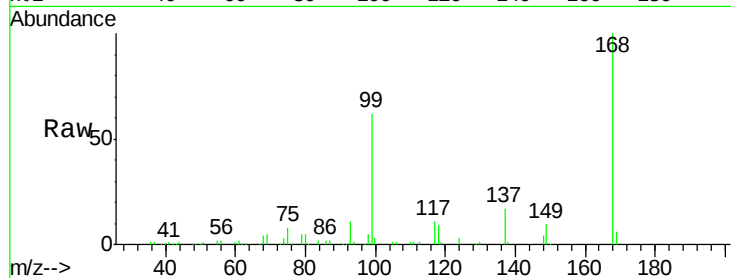
VD0513SBS02

Tot Ion:168 Resp: 538368

Ion Ratio Lower Upper

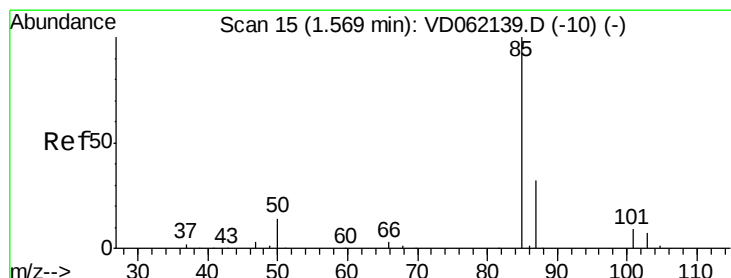
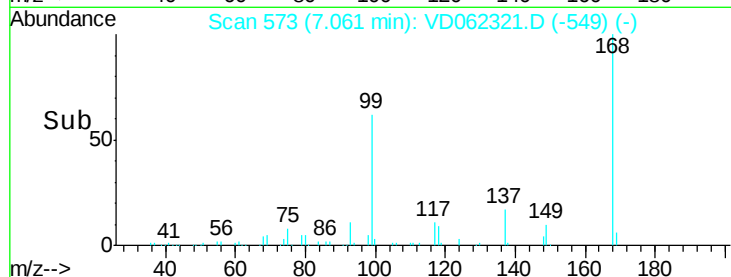
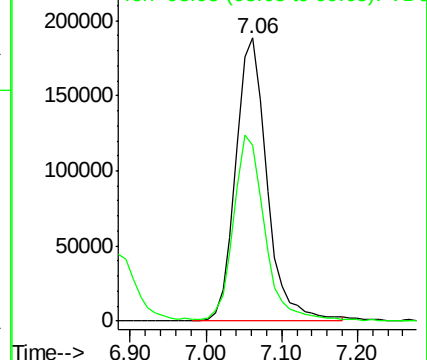
168 100

99 62.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.113 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062321.D

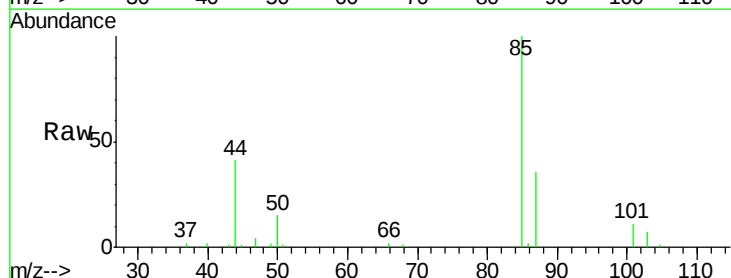
Acq: 14 May 2019 00:12

Tgt Ion: 85 Resp: 108709

Ion Ratio Lower Upper

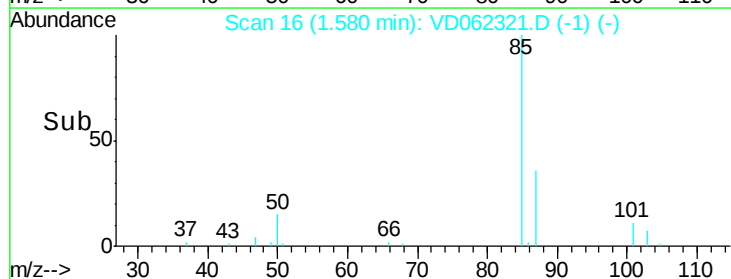
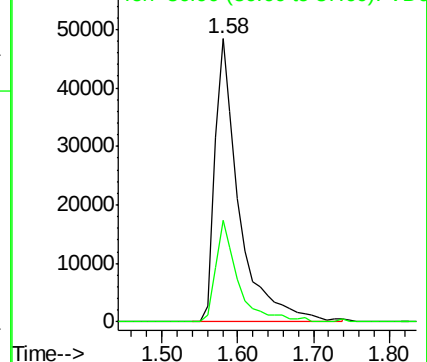
85 100

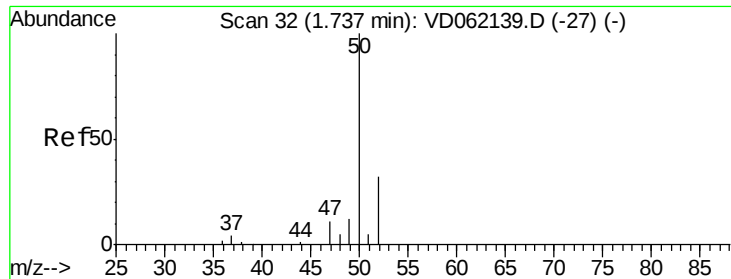
87 35.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.288 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

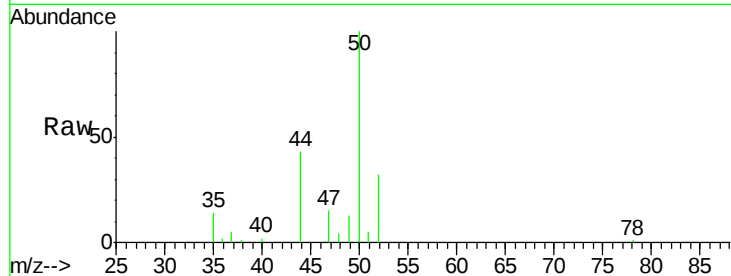
VD0513SBS02

Tot Ion: 50 Resp: 71762

Ion Ratio Lower Upper

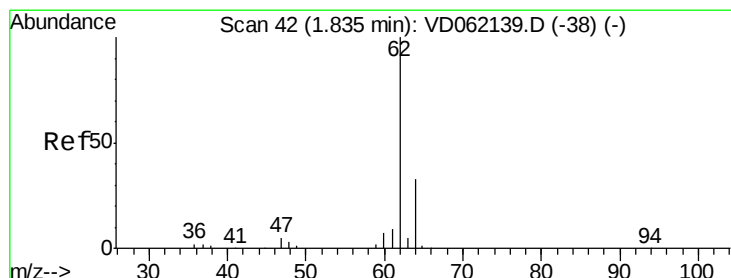
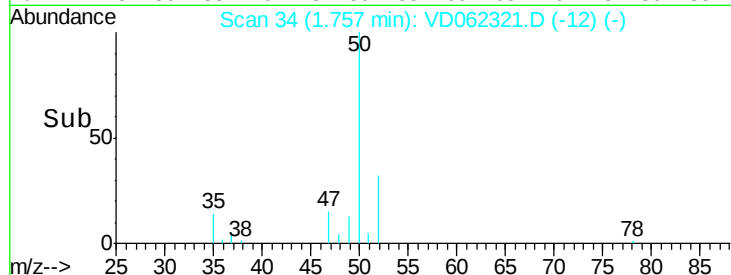
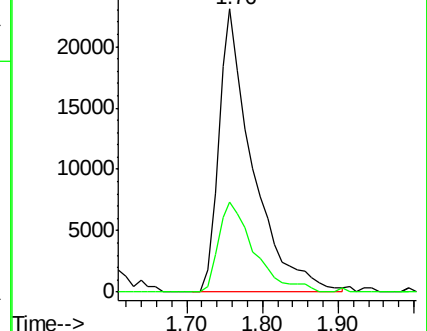
50 100

52 31.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.578 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062321.D

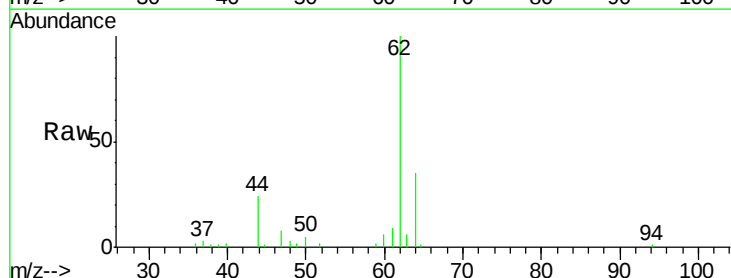
Acq: 14 May 2019 00:12

Tgt Ion: 62 Resp: 75243

Ion Ratio Lower Upper

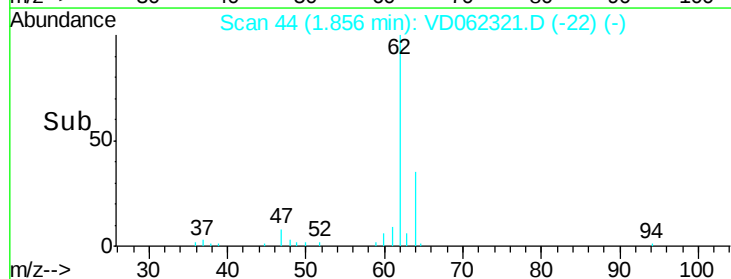
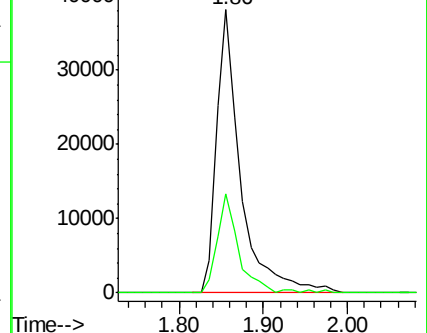
62 100

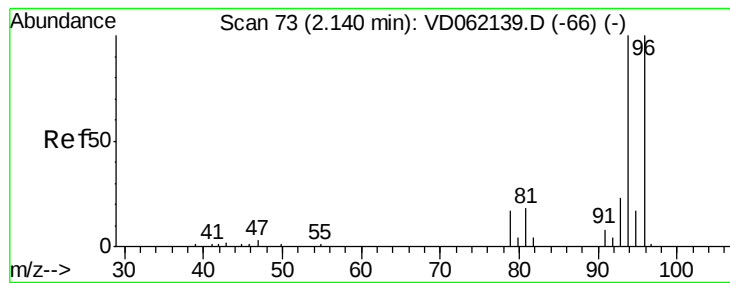
64 35.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 33.736 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

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ClientSampleId :

VD0513SBS02

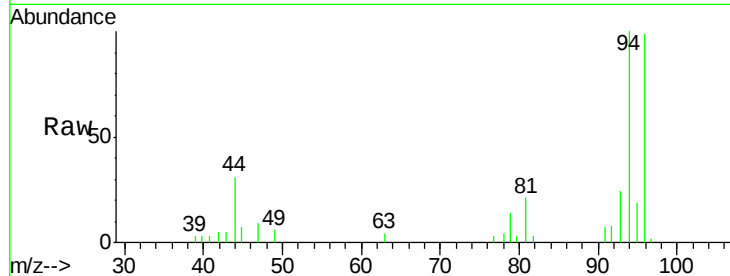
Tot Ion: 94 Resp: 28904

Ion Ratio Lower Upper

94 100

96 98.8 76.6 115.0

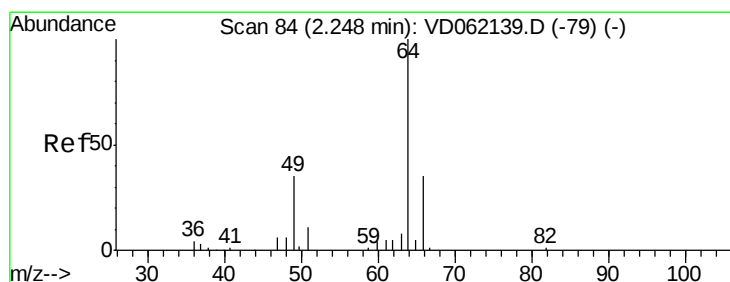
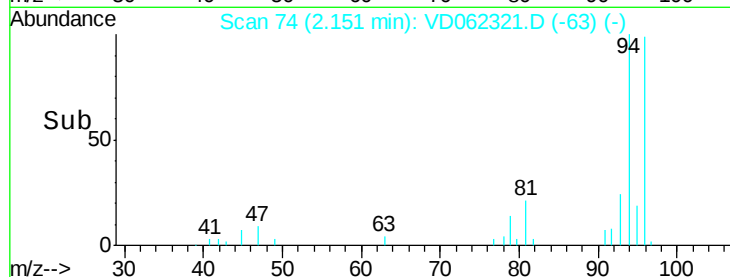
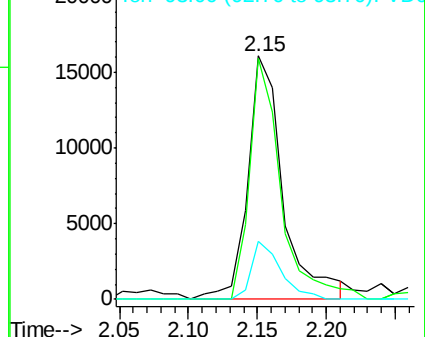
93 23.7 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 23.647 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062321.D

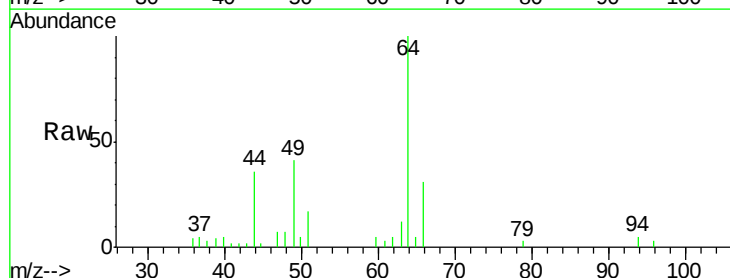
Acq: 14 May 2019 00:12

Tgt Ion: 64 Resp: 36282

Ion Ratio Lower Upper

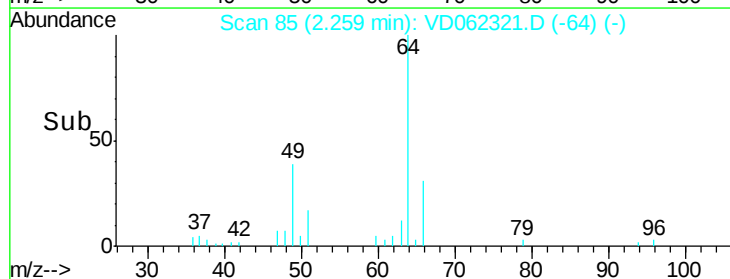
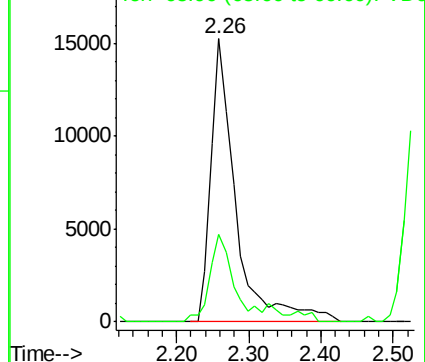
64 100

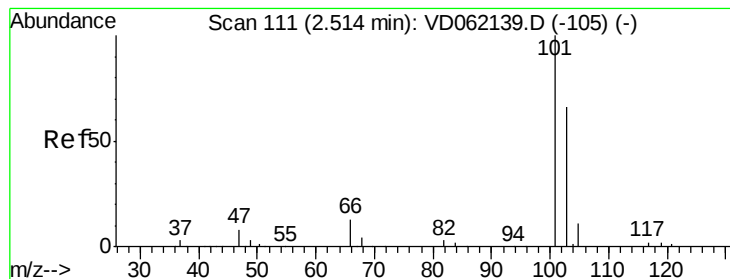
66 31.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



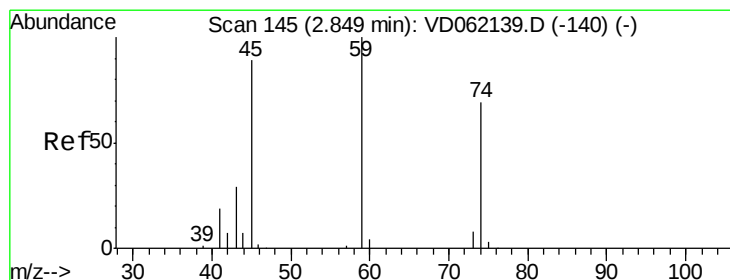
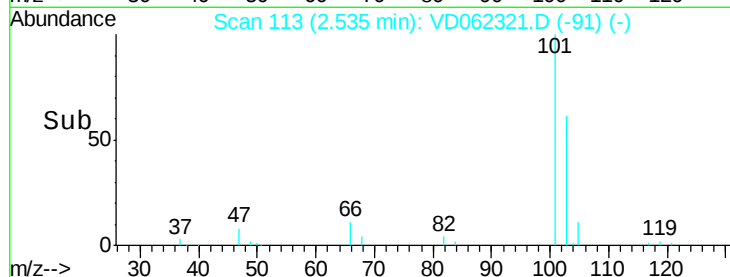
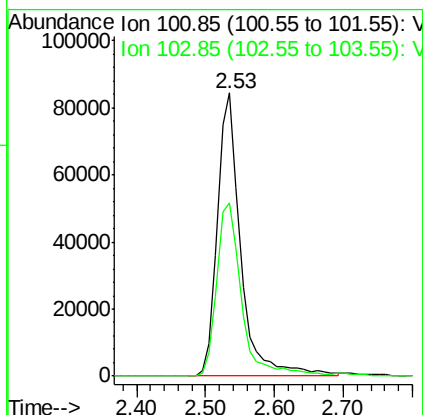
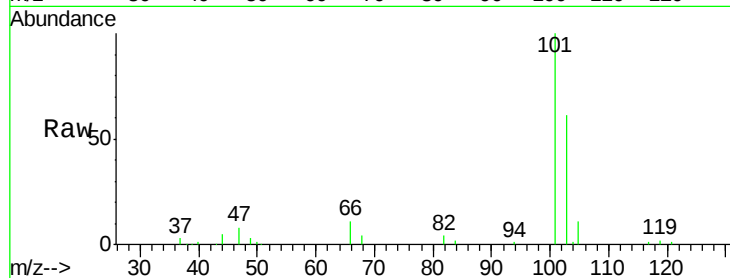


#7

Trichlorofluoromethane
 Concen: 28.037 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

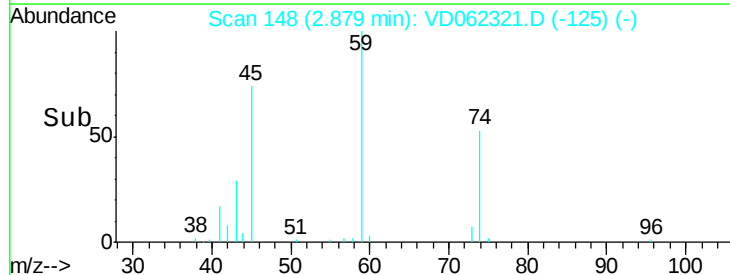
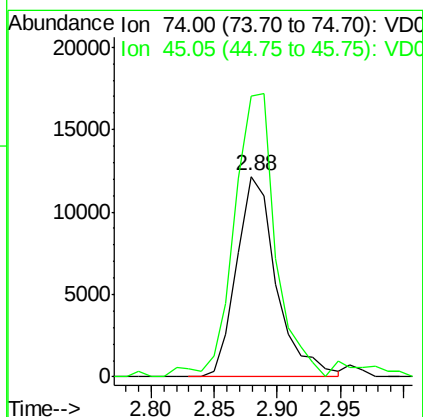
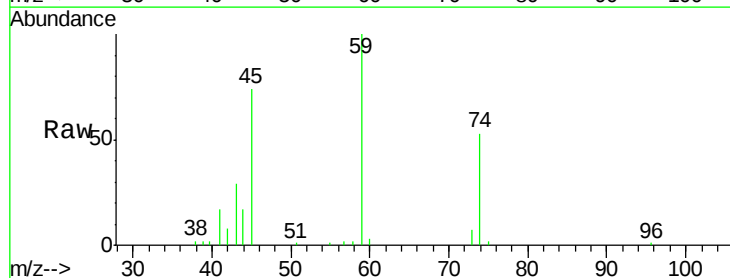
Tot Ion:101 Resp: 199310
 Ion Ratio Lower Upper
 101 100
 103 61.1 53.6 80.4

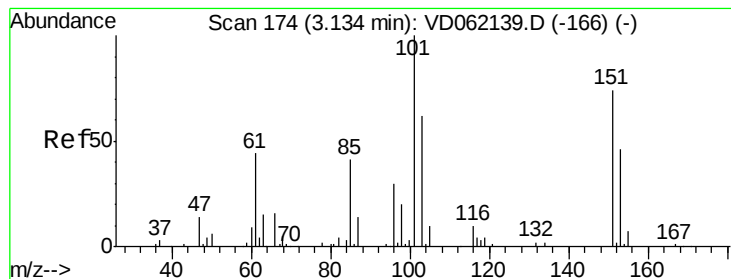


#8

Diethyl Ether
 Concen: 19.360 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion: 74 Resp: 26542
 Ion Ratio Lower Upper
 74 100
 45 139.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.088 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

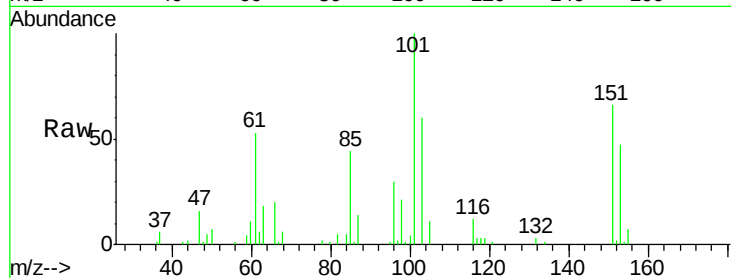
Tot Ion:101 Resp: 124155

Ion Ratio Lower Upper

101 100

85 43.8 32.4 48.6

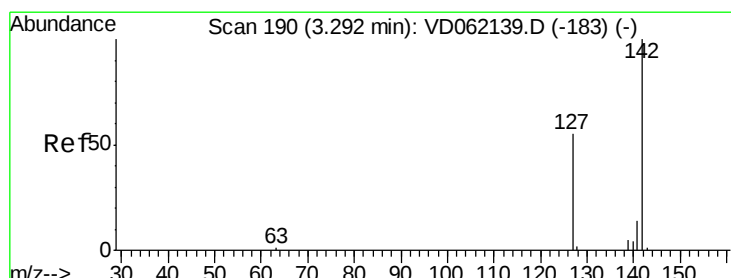
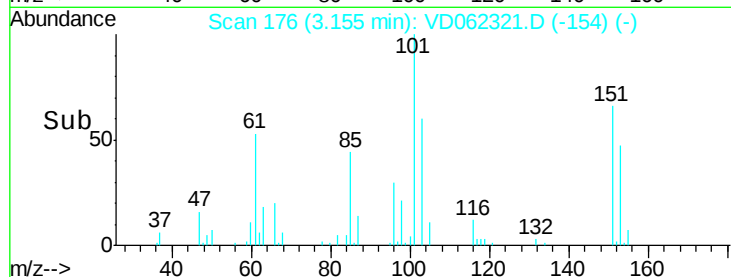
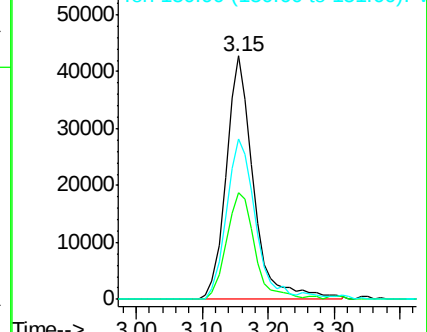
151 66.0 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.603 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

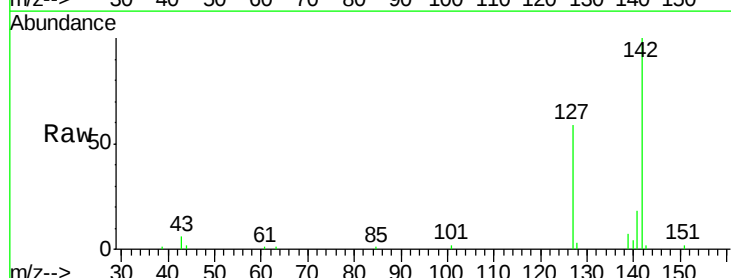
Tgt Ion:142 Resp: 126810

Ion Ratio Lower Upper

142 100

127 59.2 38.8 58.2#

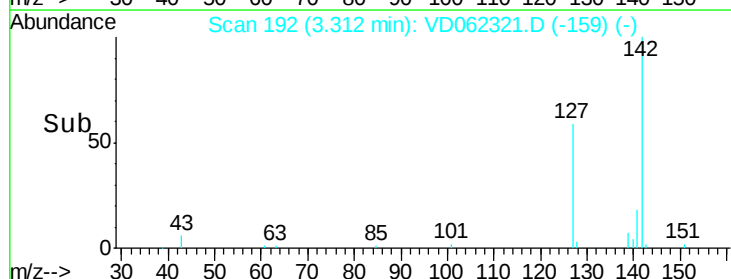
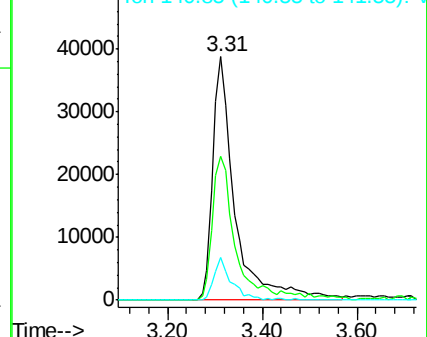
141 17.7 11.4 17.0#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

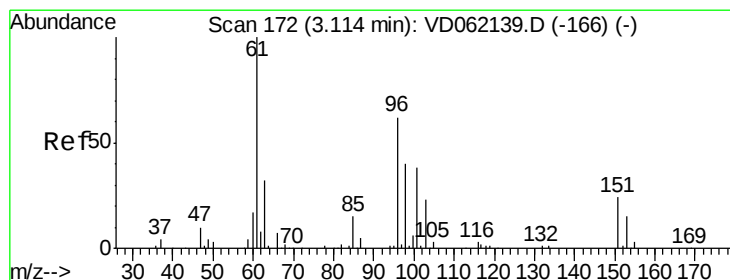
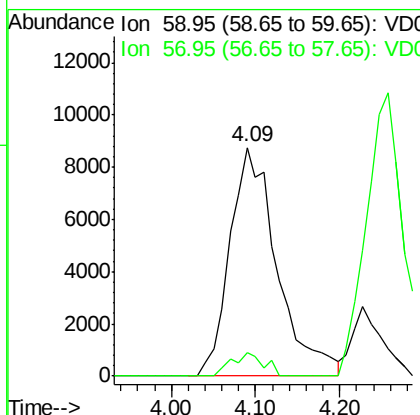
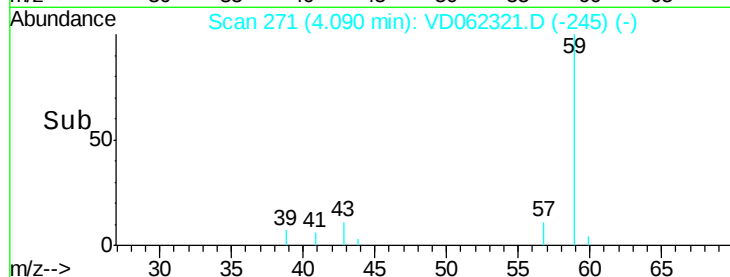
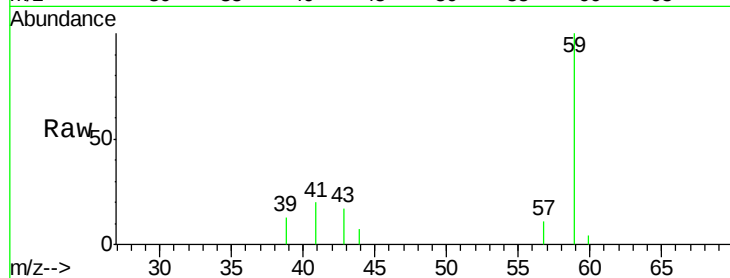




#11
Tert butyl alcohol
Concen: 133.709 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.06 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

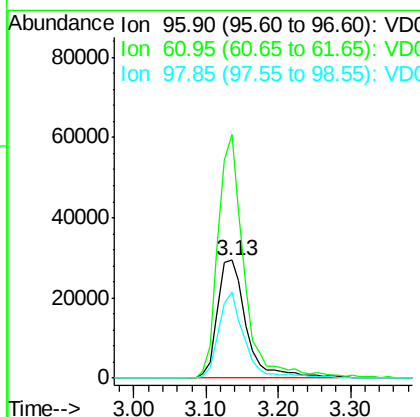
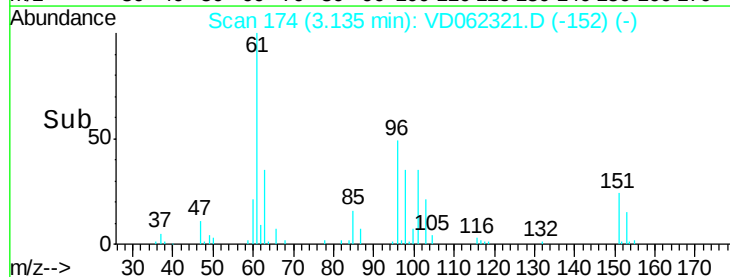
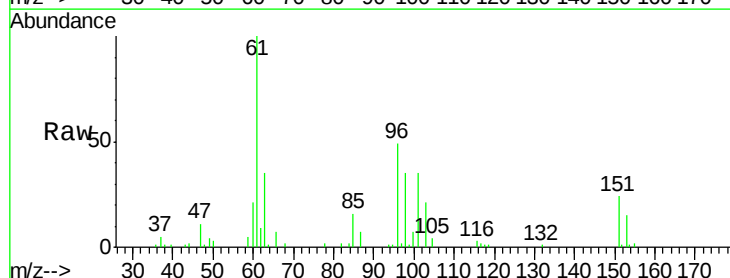
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

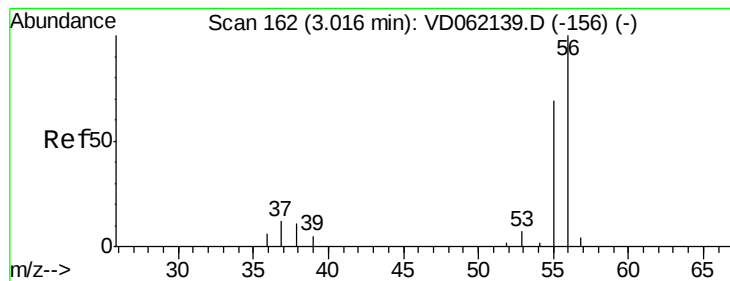
Tot Ion: 59 Resp: 34147
Ion Ratio Lower Upper
59 100
57 10.5 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 19.941 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 96 Resp: 81857
Ion Ratio Lower Upper
96 100
61 206.1 129.8 194.8#
98 72.5 51.2 76.8





#13

Acrolein

Concen: 60.183 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

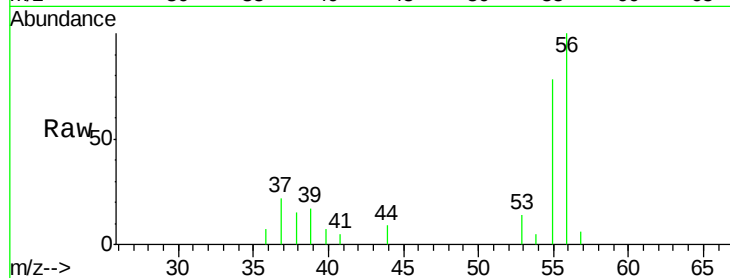
VD0513SBS02

Tot Ion: 56 Resp: 15897

Ion Ratio Lower Upper

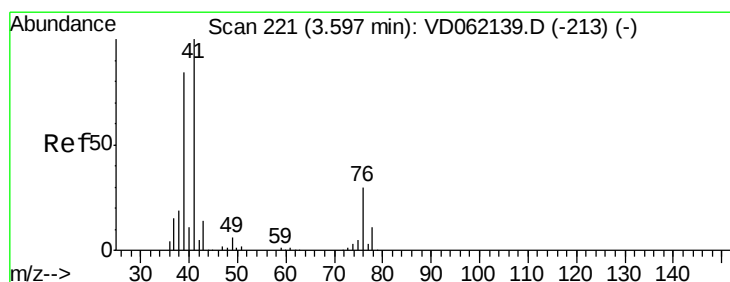
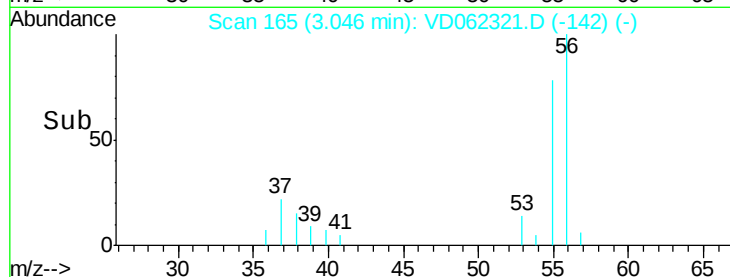
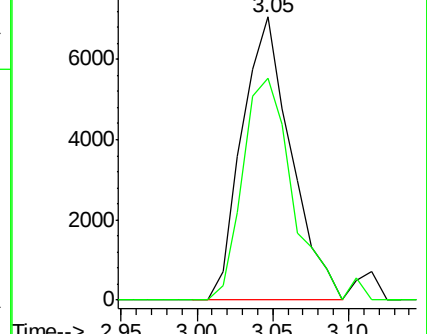
56 100

55 78.5 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.833 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

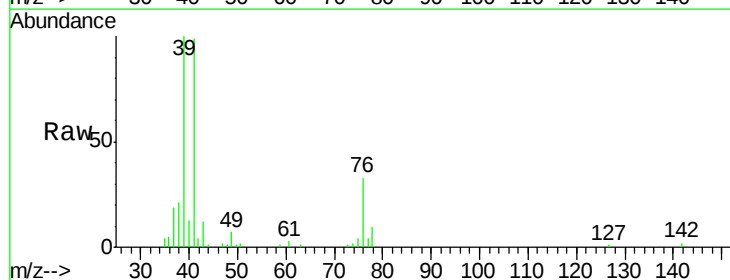
Tgt Ion: 41 Resp: 124342

Ion Ratio Lower Upper

41 100

39 101.4 60.5 90.7#

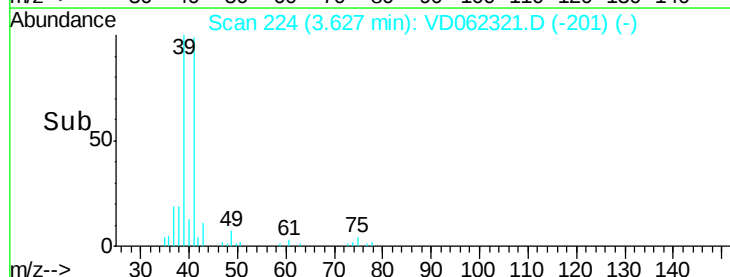
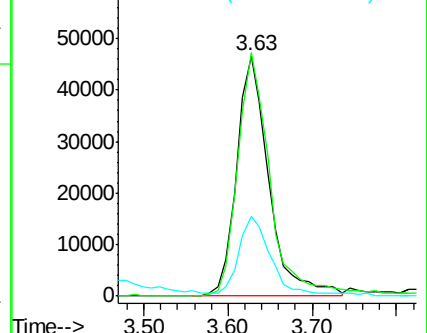
76 33.4 31.8 47.8

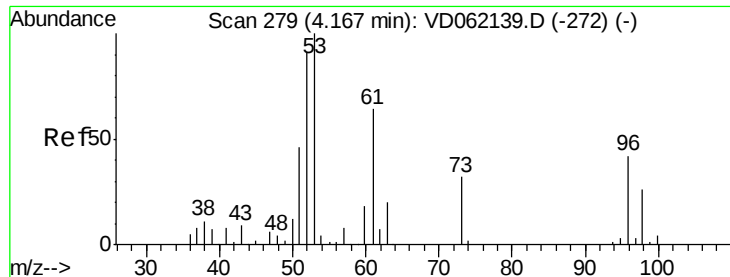


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 110.498 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

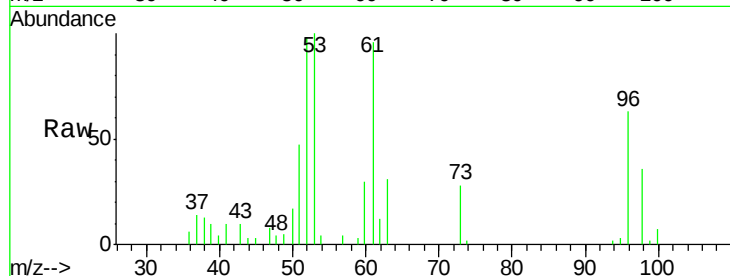
Tot Ion: 53 Resp: 74173

Ion Ratio Lower Upper

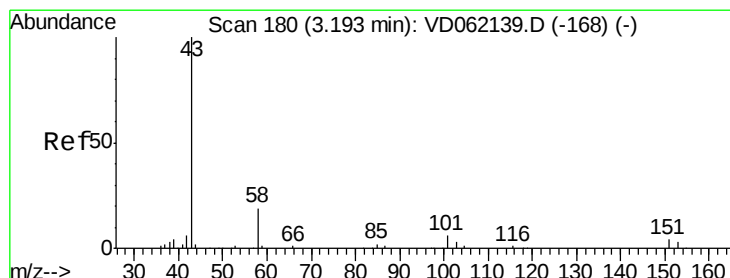
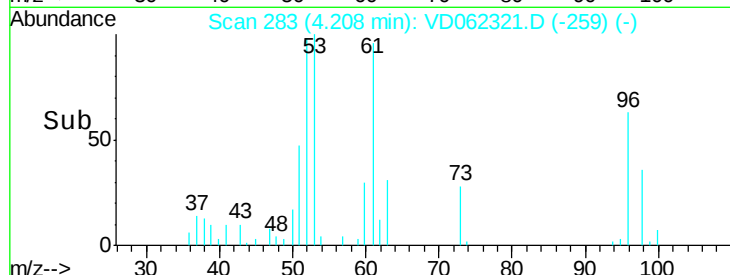
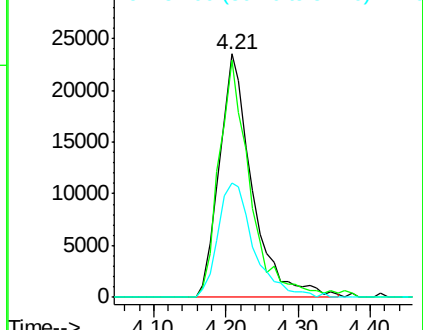
53 100

52 97.6 65.0 97.4#

51 47.1 32.6 48.8



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



#16

Acetone

Concen: 118.472 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062321.D

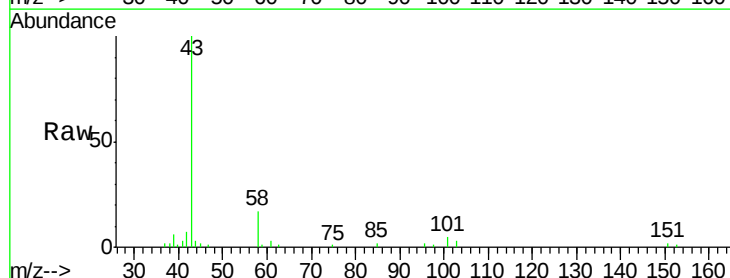
Acq: 14 May 2019 00:12

Tgt Ion: 43 Resp: 124302

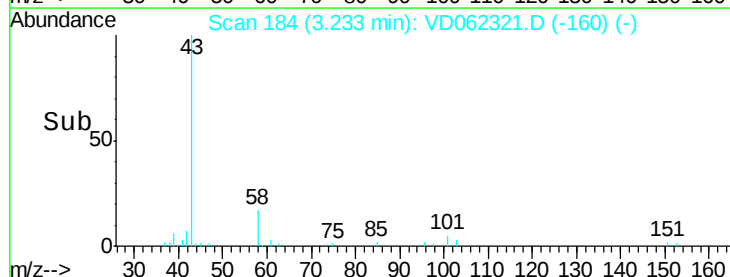
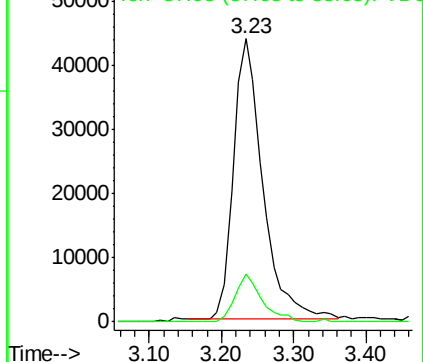
Ion Ratio Lower Upper

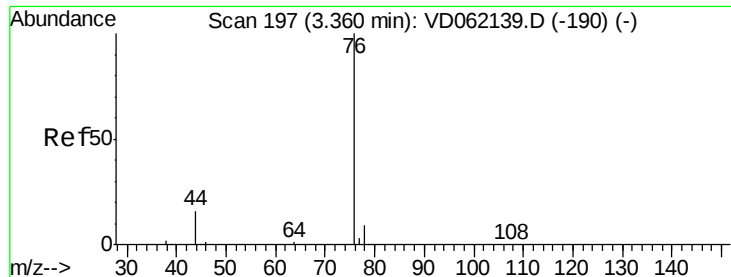
43 100

58 16.7 19.9 29.9#



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

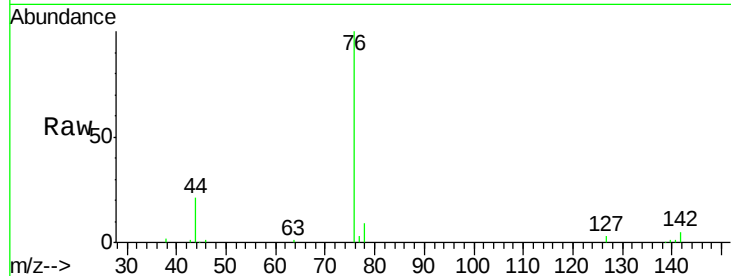




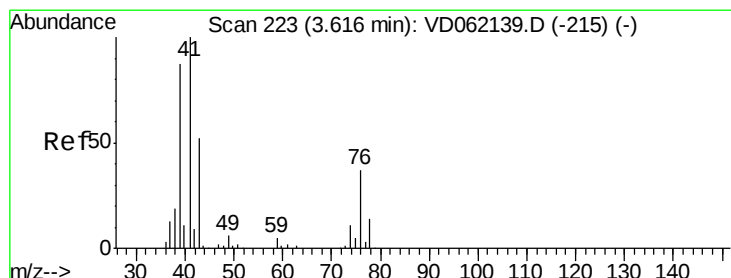
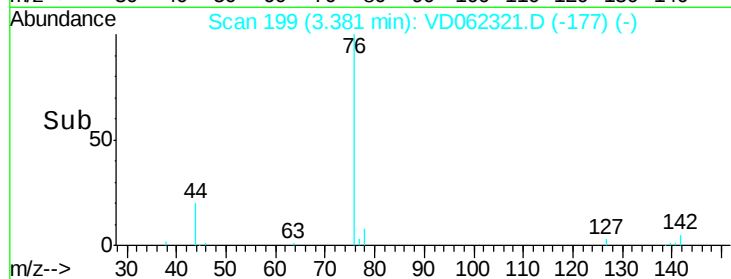
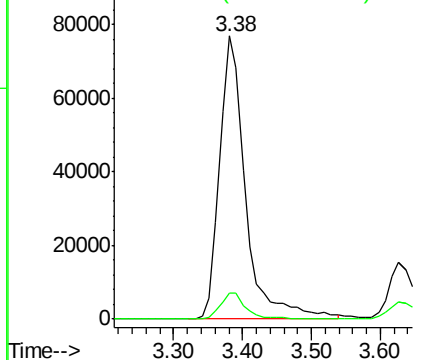
#17
Carbon Disulfide
Concen: 17.019 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion: 76 Resp: 200972
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

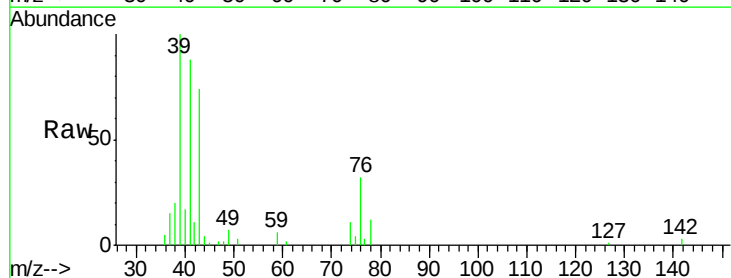


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

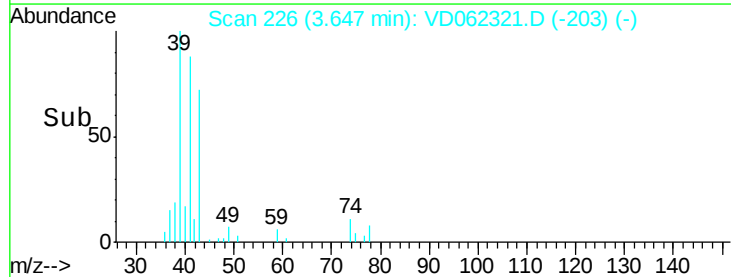
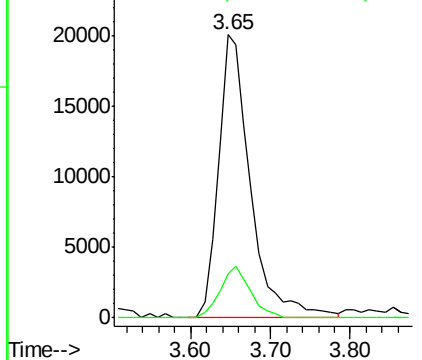


#18
Methyl Acetate
Concen: 29.945 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 43 Resp: 56420
Ion Ratio Lower Upper
43 100
74 15.4 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

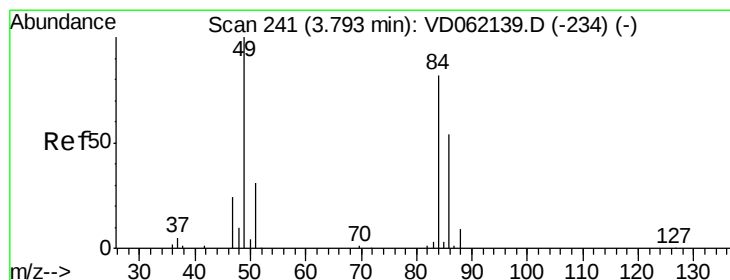
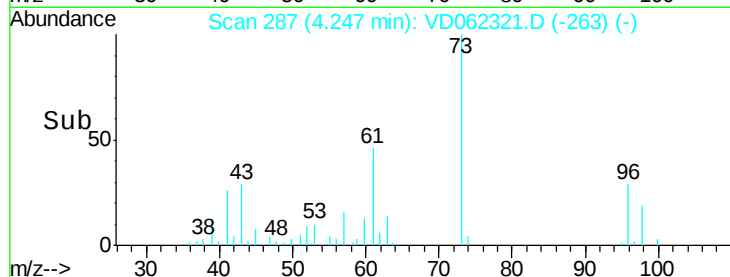
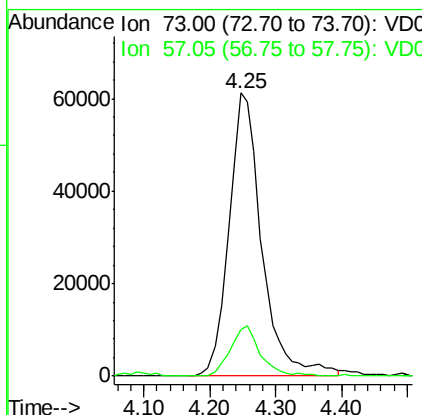
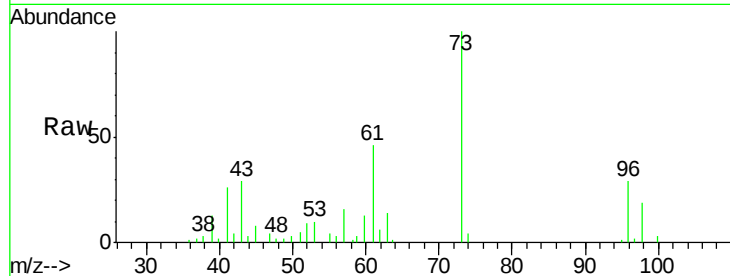




#19
Methyl tert-butyl Ether
Concen: 24.212 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

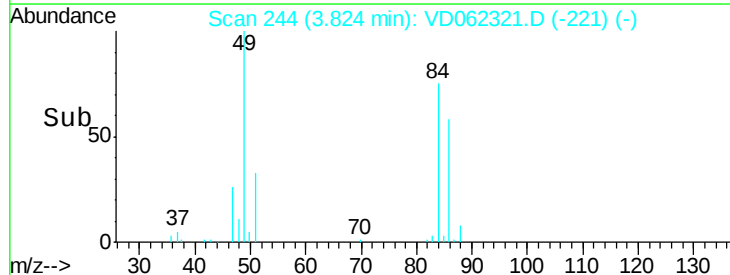
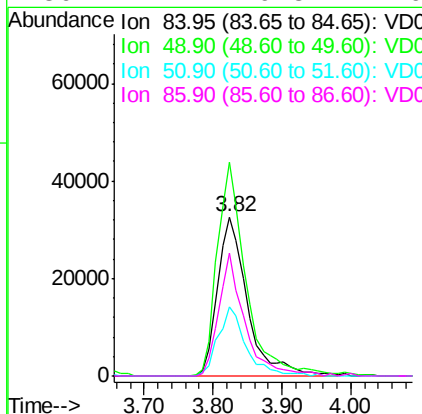
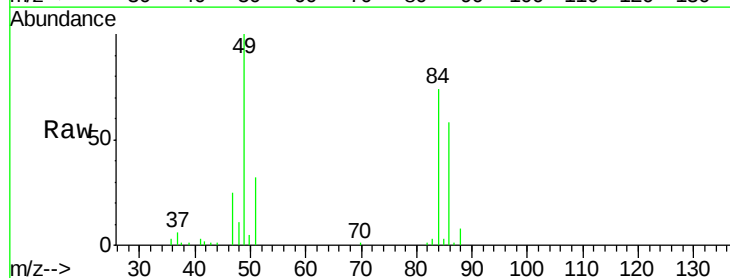
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

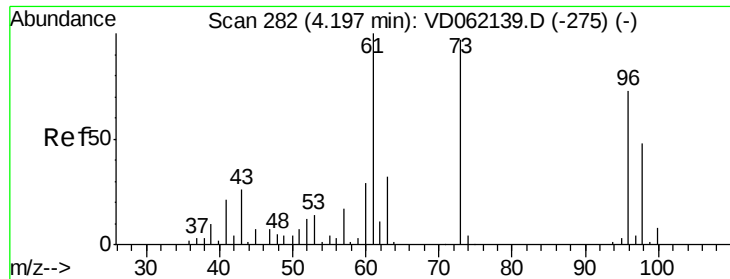
Tot Ion: 73 Resp: 213032
Ion Ratio Lower Upper
73 100
57 16.4 16.3 24.5



#20
Methylene Chloride
Concen: 22.291 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 84 Resp: 97653
Ion Ratio Lower Upper
84 100
49 134.4 94.0 141.0
51 43.6 29.0 43.4#
86 77.4 49.8 74.6#





#21

trans-1,2-Dichloroethene

Concen: 19.768 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

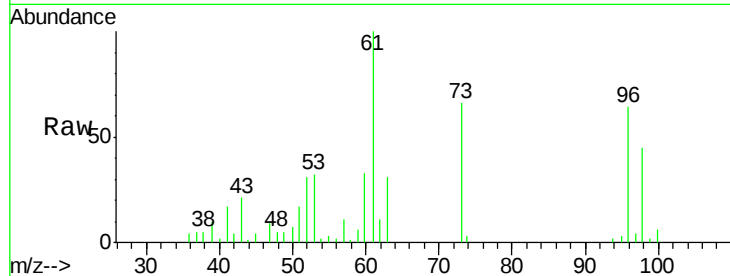
Tot Ion: 96 Resp: 90298

Ion Ratio Lower Upper

96 100

61 157.3 104.4 156.6#

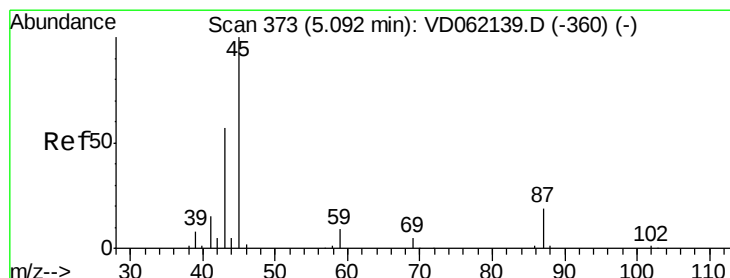
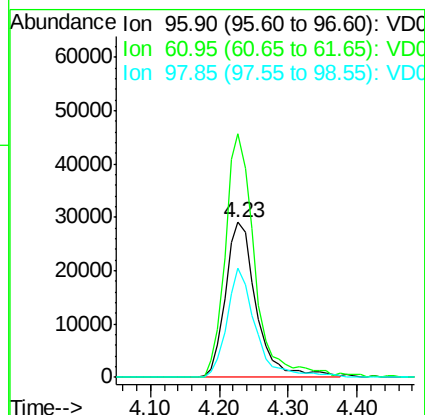
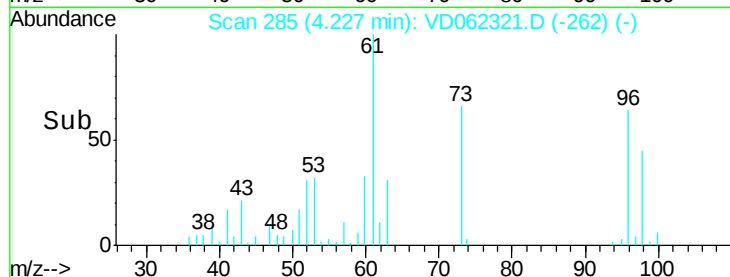
98 70.7 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.254 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Tgt Ion: 45 Resp: 269950

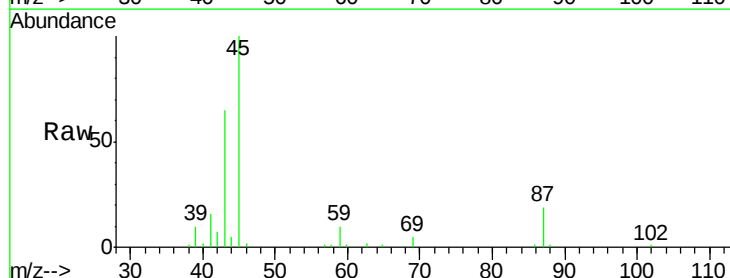
Ion Ratio Lower Upper

45 100

43 64.9 46.2 69.2

87 19.0 15.9 23.9

59 9.5 7.9 11.9

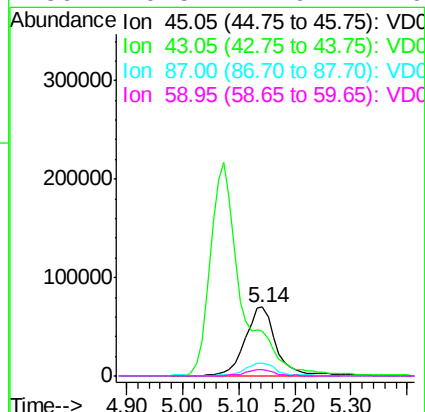
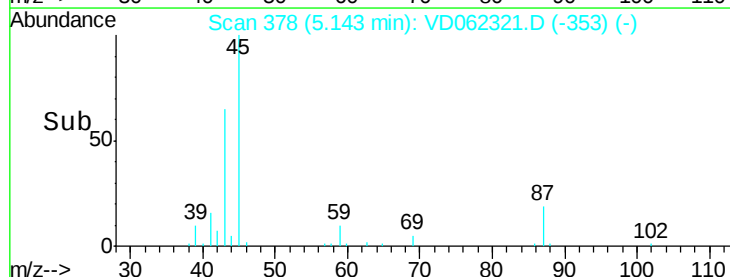


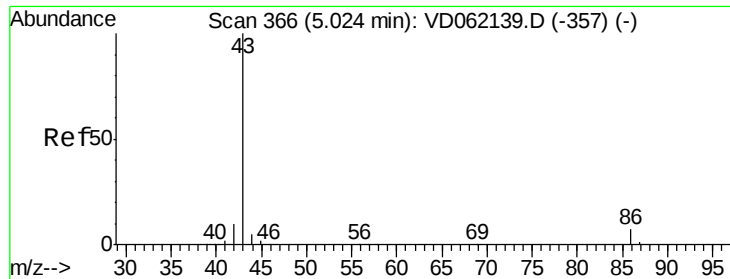
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 123.142 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

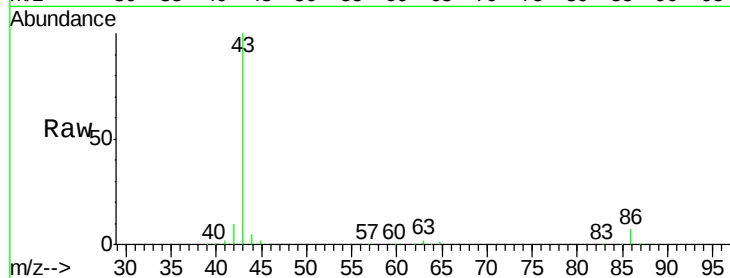
VD0513SBS02

Tot Ion: 43 Resp: 825202

Ion Ratio Lower Upper

43 100

86 6.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

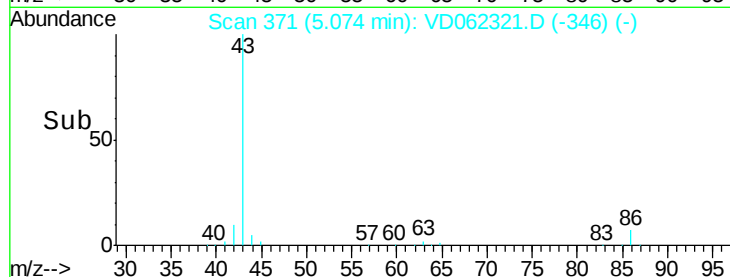
150000

100000

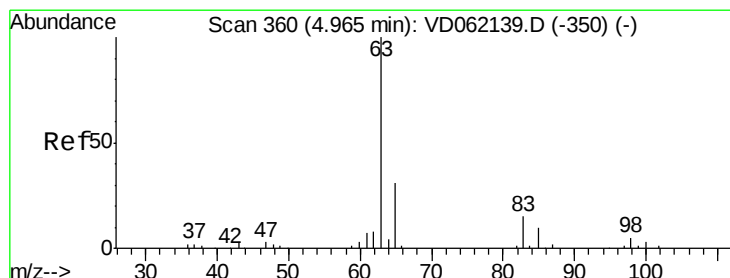
50000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 22.752 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

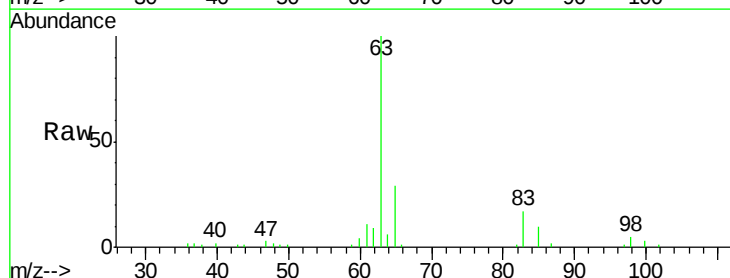
Tgt Ion: 63 Resp: 174329

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

100 3.4 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

60000

50000

40000

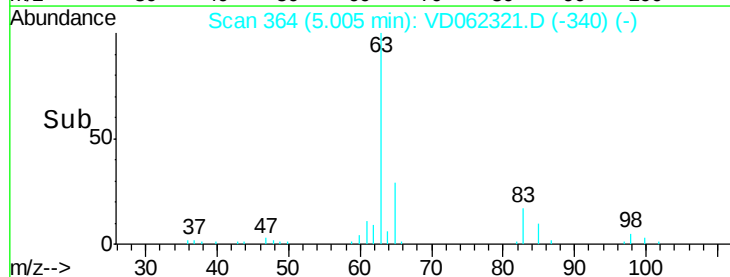
30000

20000

10000

0

Time-->



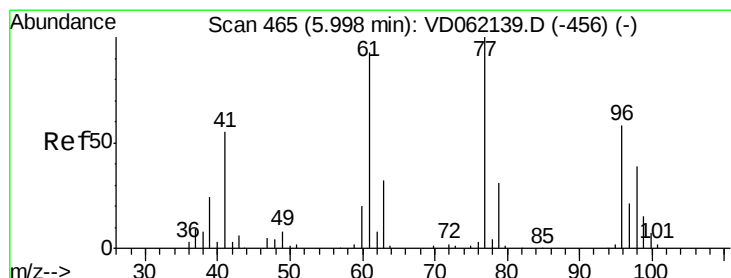
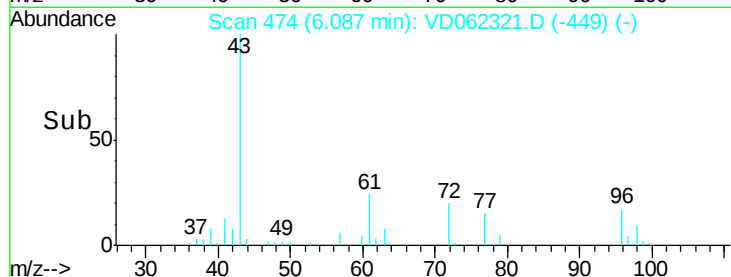
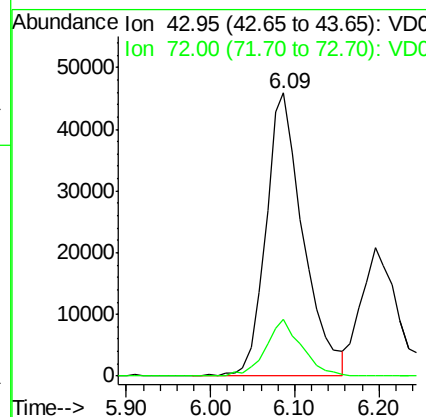
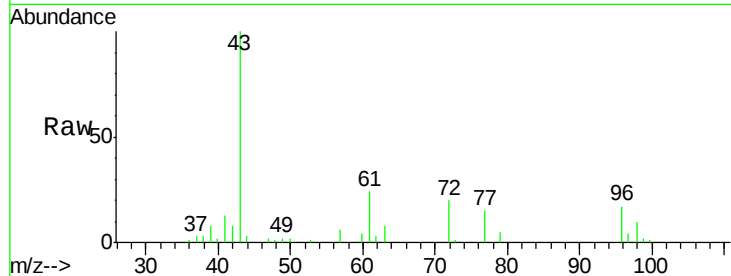
Time-->



#25
2-Butanone
Concen: 124.008 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.05 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

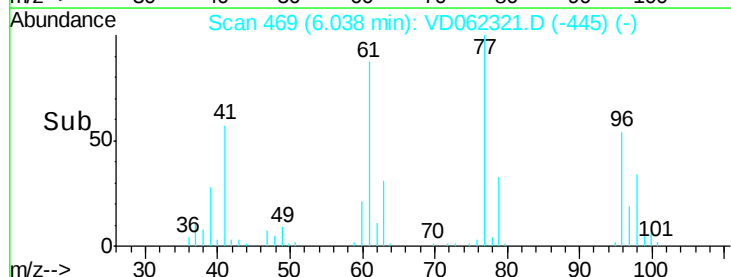
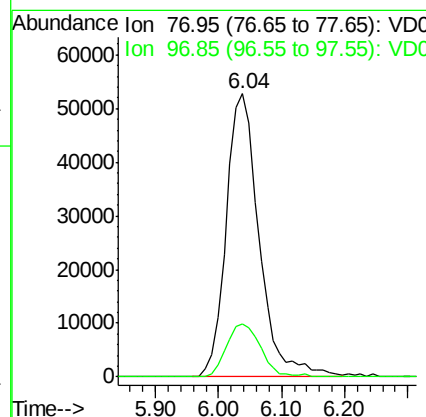
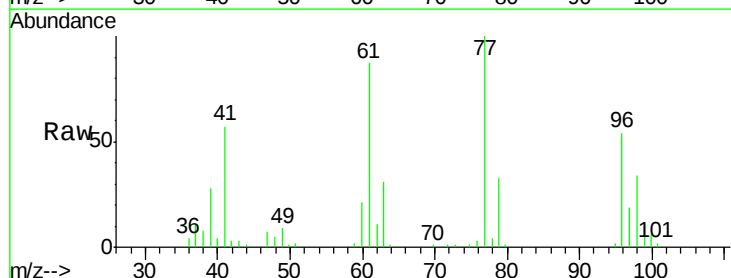
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

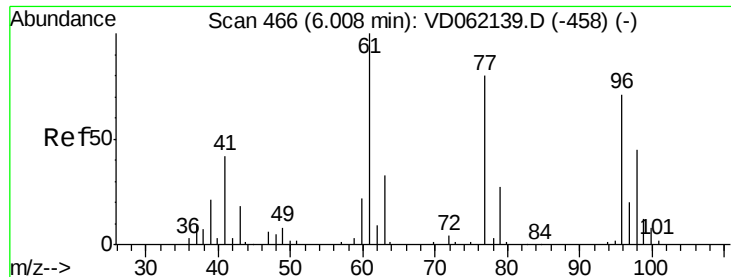
Tot Ion: 43 Resp: 141919
Ion Ratio Lower Upper
43 100
72 20.0 16.2 24.4



#26
2,2-Dichloropropane
Concen: 25.099 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.04 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 77 Resp: 191563
Ion Ratio Lower Upper
77 100
97 18.5 11.9 35.9



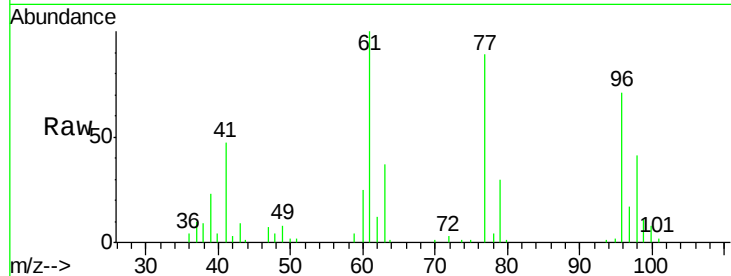


#27

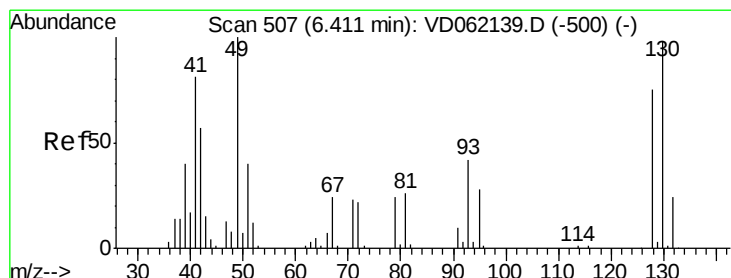
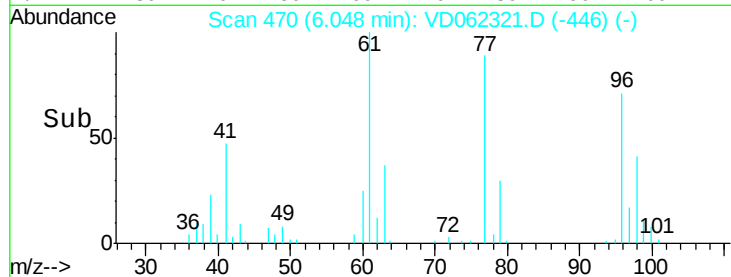
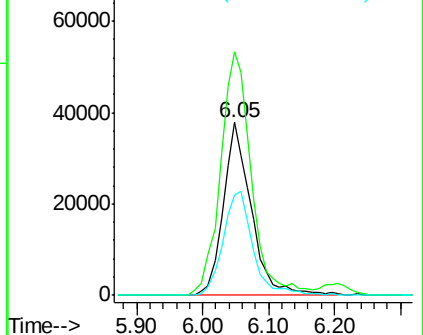
cis-1,2-Dichloroethene
 Concen: 21.921 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.04 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion: 96 Resp: 112079
 Ion Ratio Lower Upper
 96 100
 61 141.0 0.0 279.8
 98 58.3 0.0 136.0



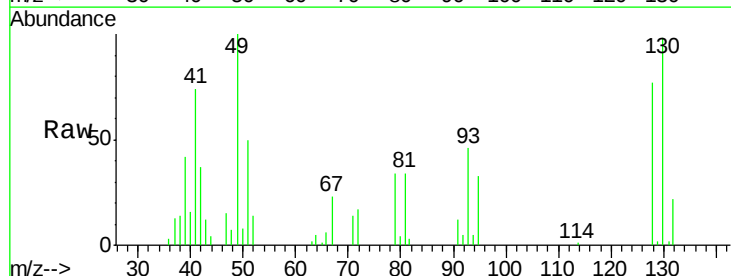
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



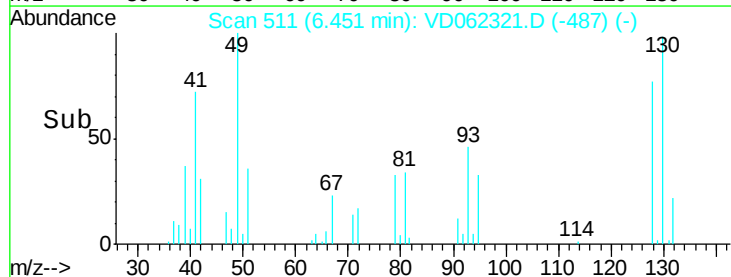
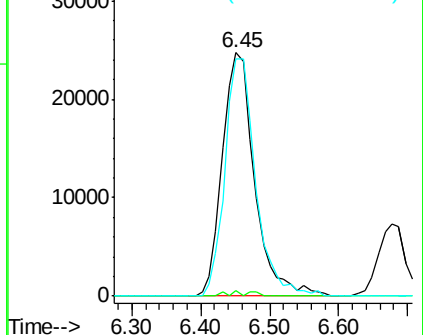
#28

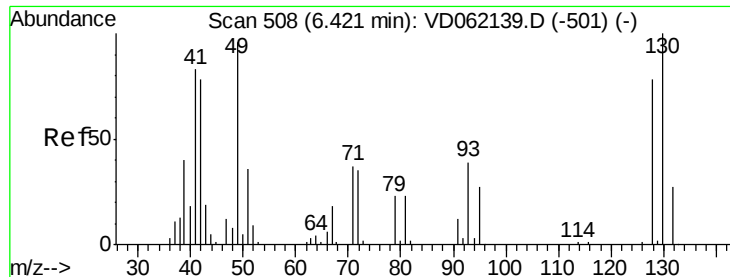
Bromochloromethane
 Concen: 26.611 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.04 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion: 49 Resp: 80220
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 6.6
 130 97.6 86.7 130.1



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

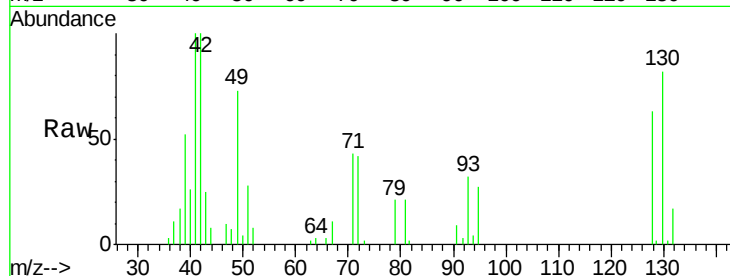




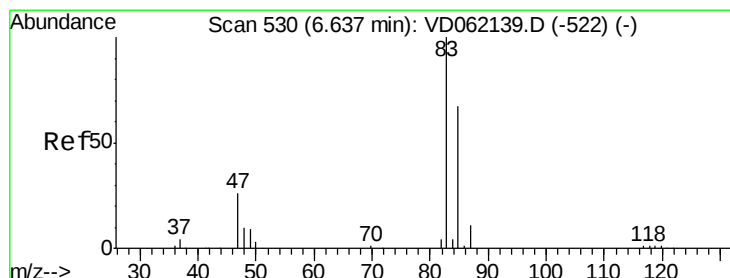
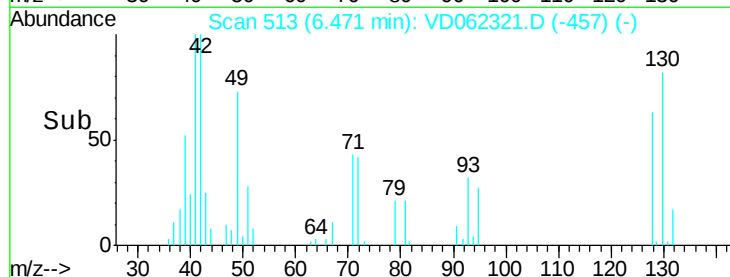
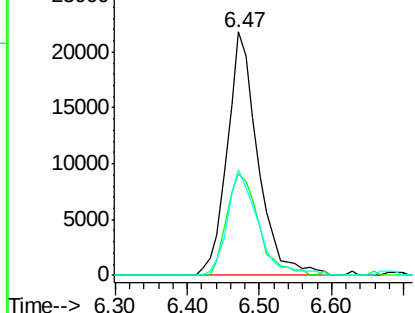
#29
Tetrahydrofuran
Concen: 122.397 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion: 42 Resp: 64541
Ion Ratio Lower Upper
42 100
72 43.5 37.8 56.6
71 42.9 36.7 55.1

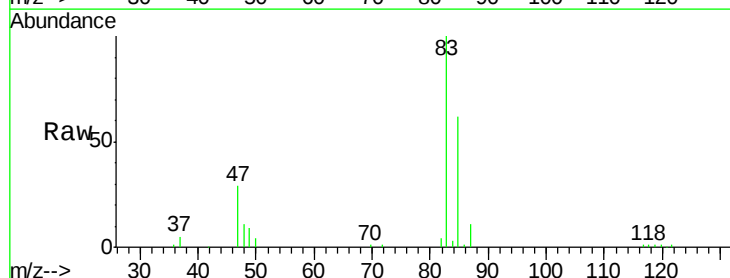


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

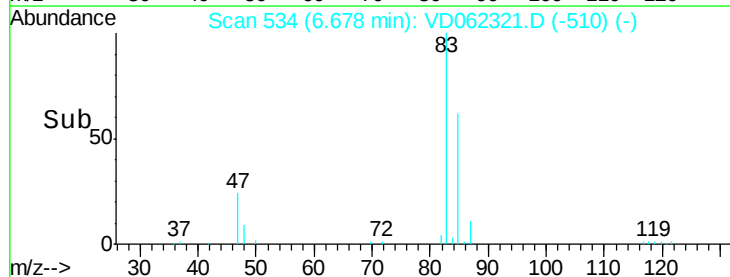
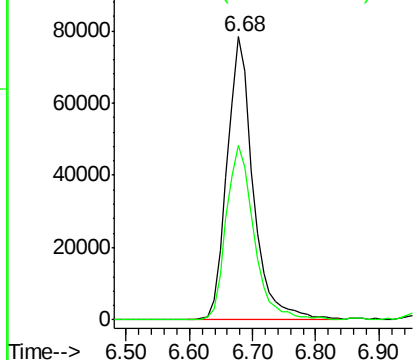


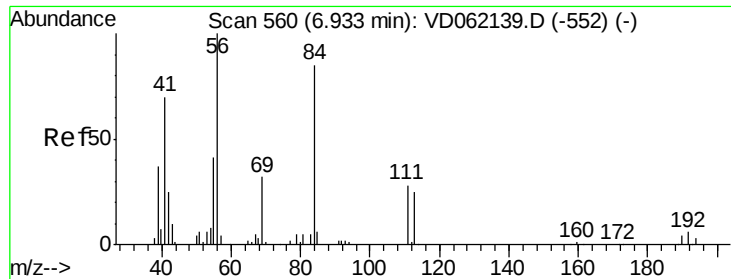
#30
Chloroform
Concen: 24.249 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 83 Resp: 223917
Ion Ratio Lower Upper
83 100
85 61.9 51.7 77.5



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

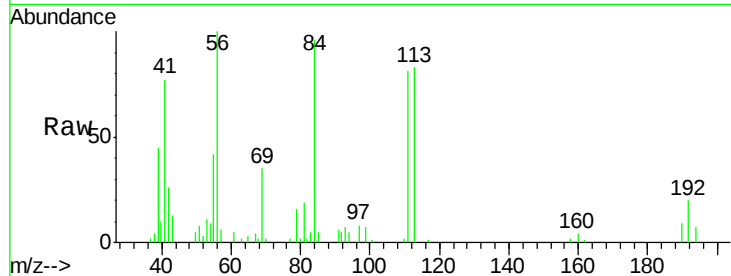




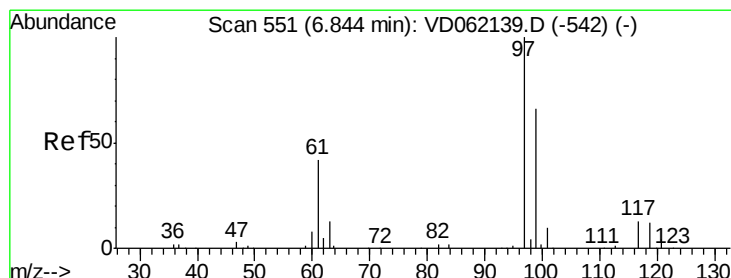
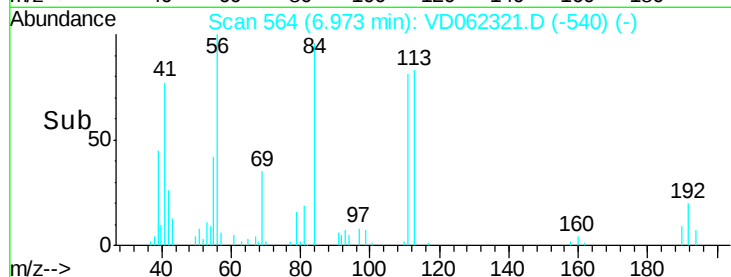
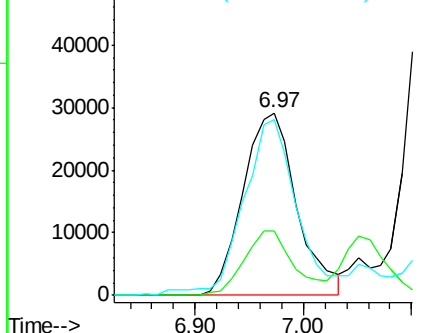
#31
Cyclohexane
Concen: 19.174 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion: 56 Resp: 100650
Ion Ratio Lower Upper
56 100
69 35.4 25.8 38.6
84 96.2 72.2 108.4

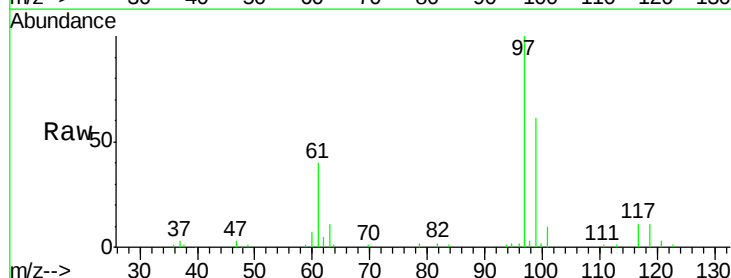


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

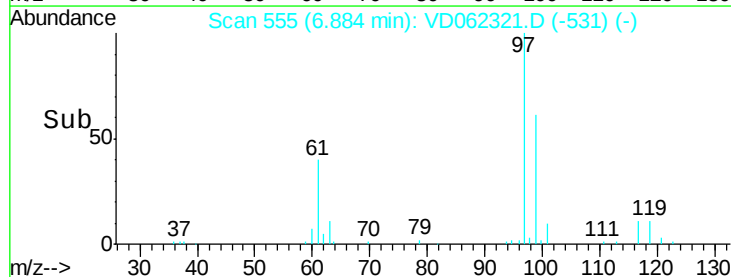
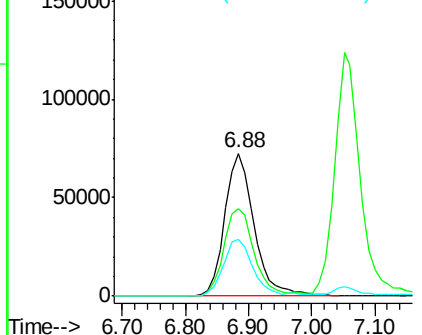


#32
1,1,1-Trichloroethane
Concen: 26.811 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 97 Resp: 234010
Ion Ratio Lower Upper
97 100
99 61.4 52.2 78.2
61 39.7 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 63.401 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

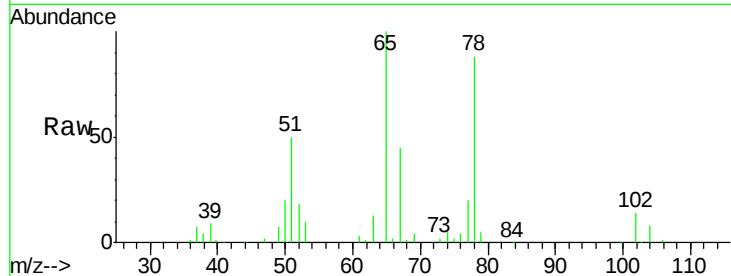
VD0513SBS02

Tot Ion: 65 Resp: 317204

Ion Ratio Lower Upper

65 100

67 45.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

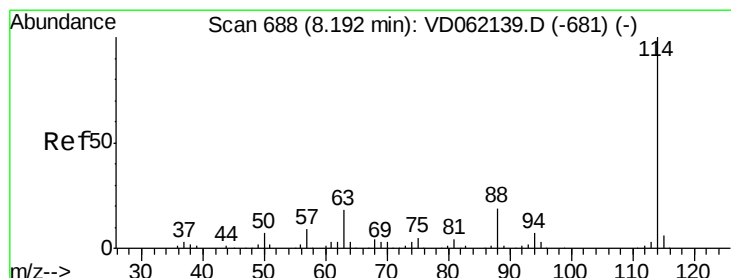
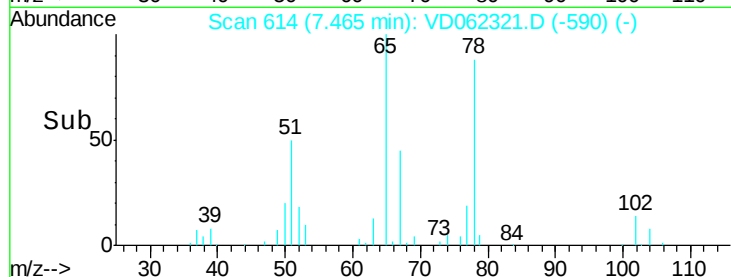
7.46

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

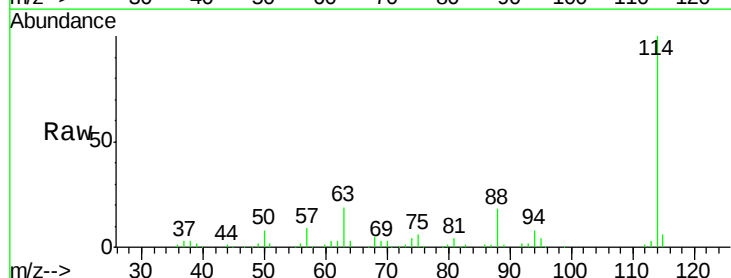
Tgt Ion: 114 Resp: 728588

Ion Ratio Lower Upper

114 100

63 19.1 0.0 32.4

88 18.4 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

400000

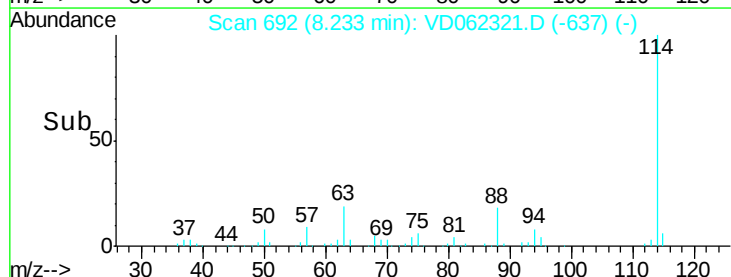
300000

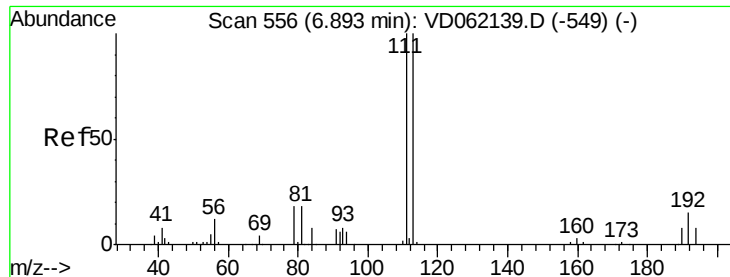
200000

100000

0

Time-->

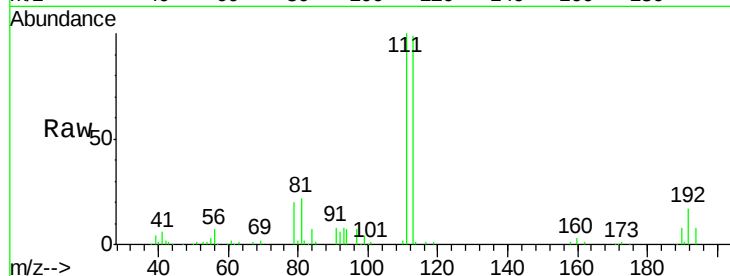




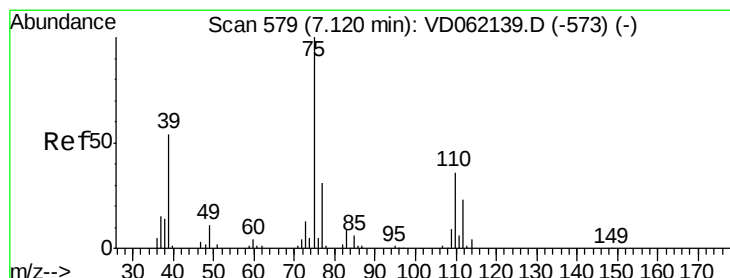
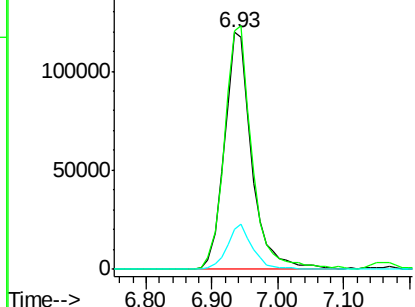
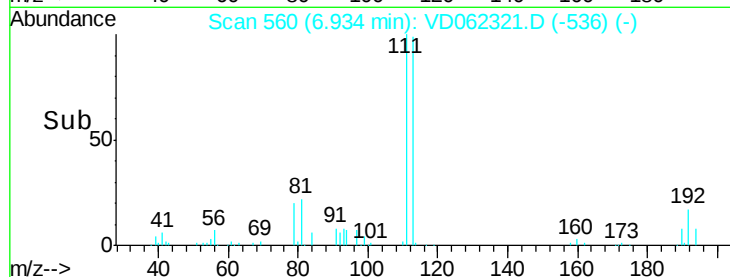
#35
 Dibromofluoromethane
 Concen: 57.353 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion:113 Resp: 346712
 Ion Ratio Lower Upper
 113 100
 111 100.9 78.5 117.7
 192 16.7 13.0 19.4

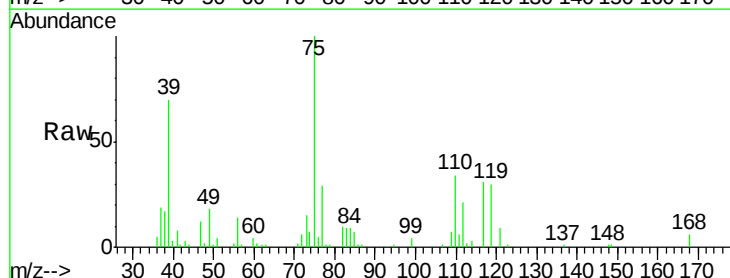


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

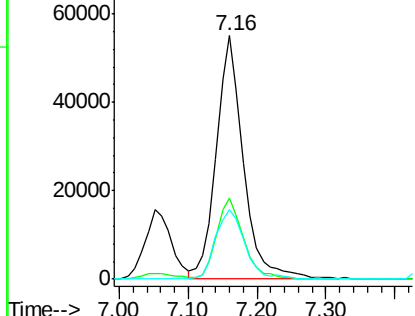
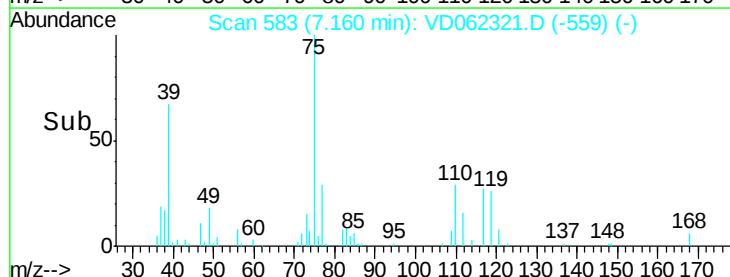


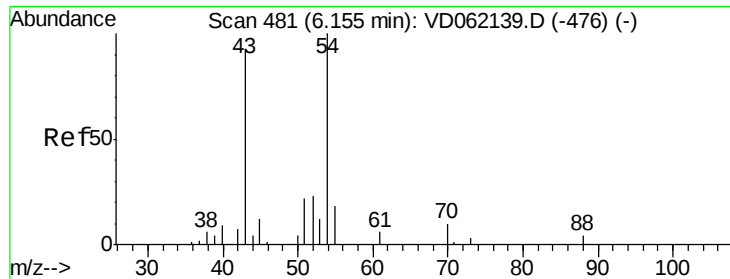
#36
 1,1-Dichloropropene
 Concen: 25.129 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.04 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion: 75 Resp: 150114
 Ion Ratio Lower Upper
 75 100
 110 33.5 19.1 57.1
 77 28.6 25.6 38.4



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

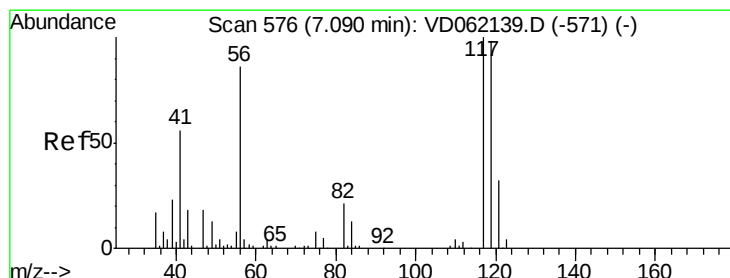
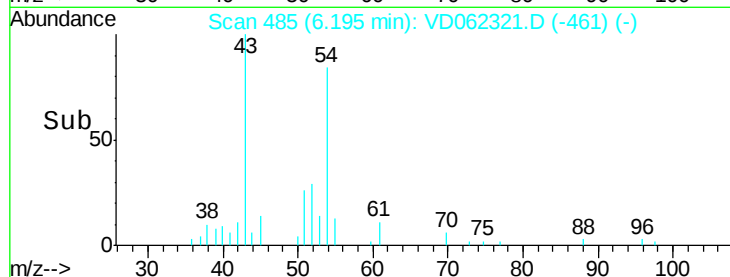
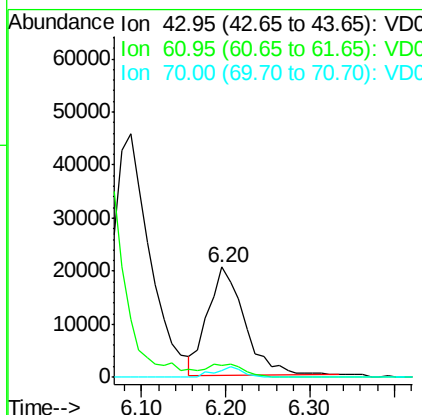
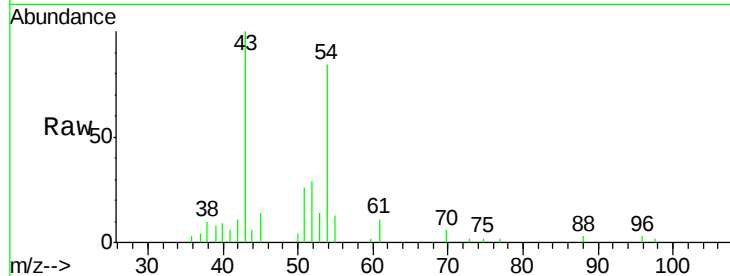




#37
Ethyl Acetate
Concen: 24.652 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

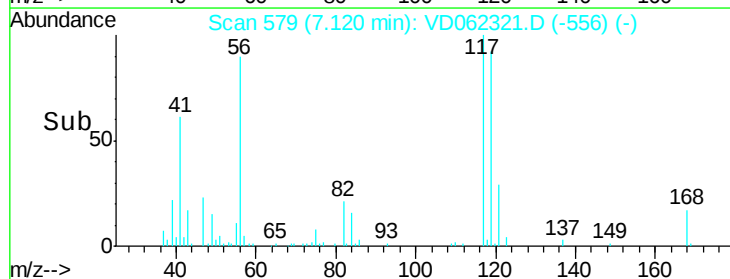
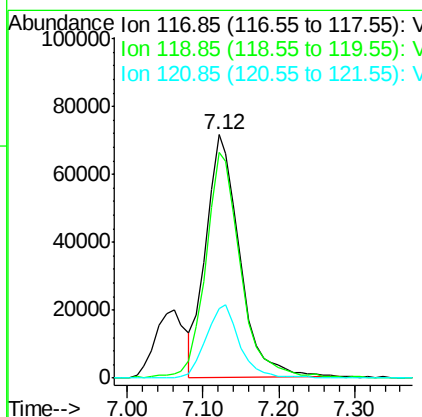
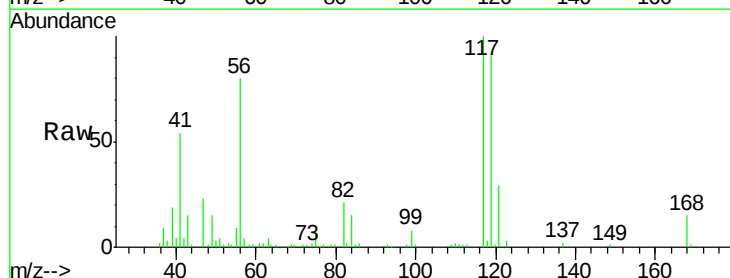
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

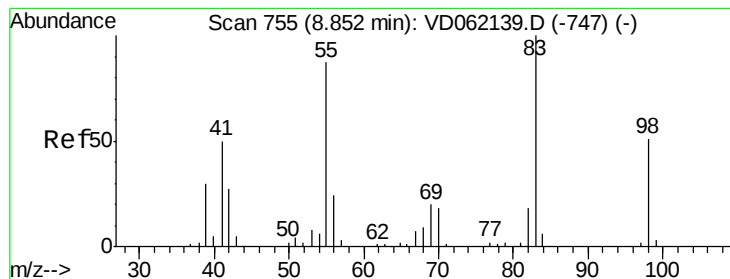
Tot Ion: 43 Resp: 62454
Ion Ratio Lower Upper
43 100
61 10.9 14.7 22.1#
70 5.7 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 26.905 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 117 Resp: 222456
Ion Ratio Lower Upper
117 100
119 92.5 75.8 113.8
121 28.7 25.9 38.9





#39

Methvlcvclohexane

Concen: 21.497 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

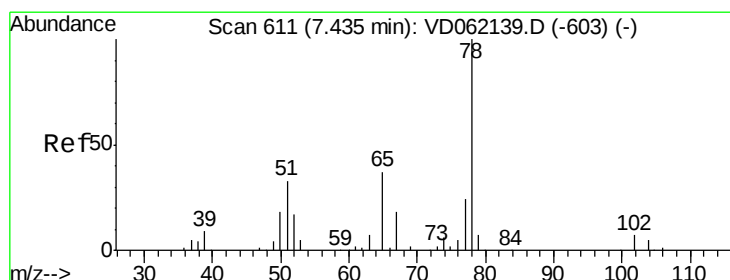
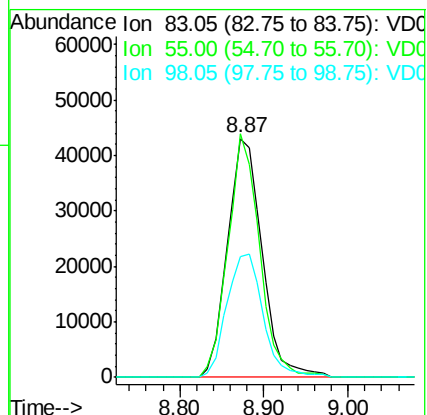
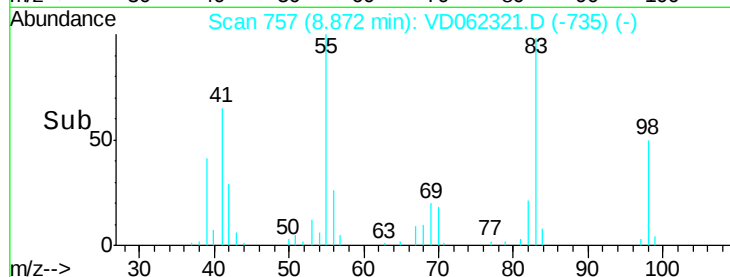
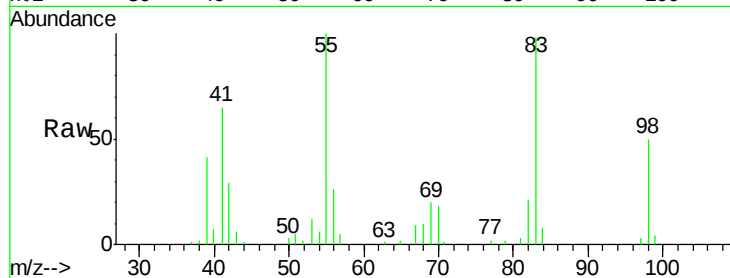
Tot Ion: 83 Resp: 123040

Ion Ratio Lower Upper

83 100

55 101.9 68.2 102.4

98 50.5 38.2 57.4



#40

Benzene

Concen: 21.669 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD062321.D

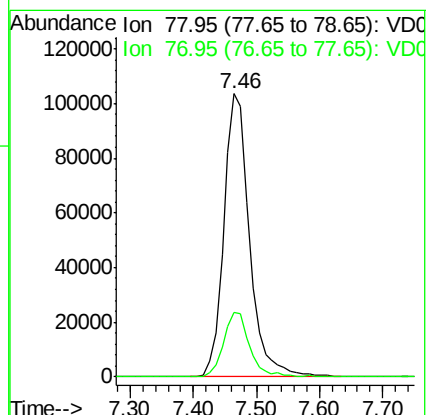
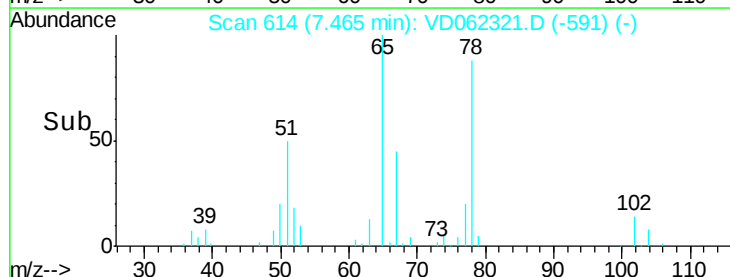
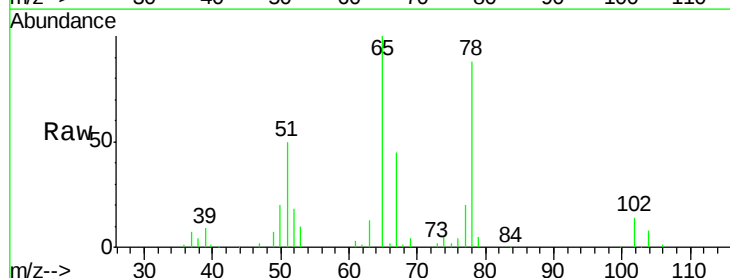
Acq: 14 May 2019 00:12

Tgt Ion: 78 Resp: 292299

Ion Ratio Lower Upper

78 100

77 22.7 19.7 29.5





#41

Methacrylonitrile

Concen: 27.698 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

Tot Ion: 41 Resp: 85750

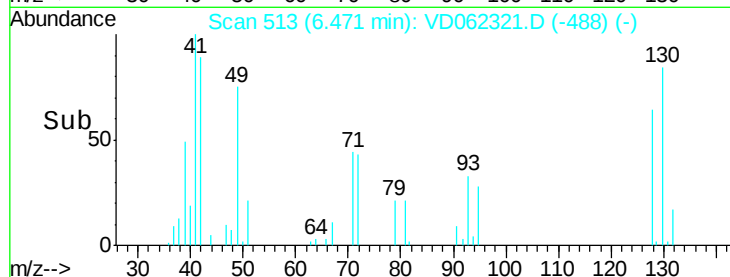
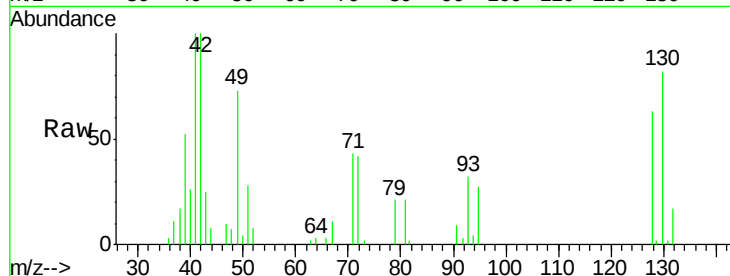
Ion Ratio Lower Upper

41 100

39 52.7 34.1 51.1#

67 10.9 23.8 35.6#

52 8.2 8.8 13.2#

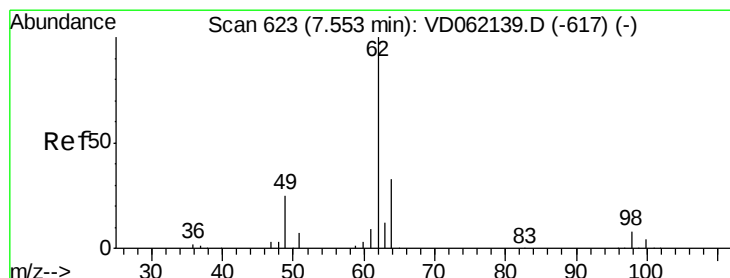
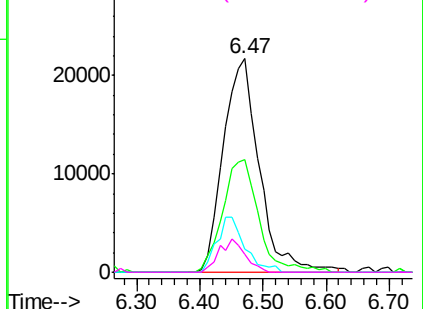


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 28.733 ug/l

RT: 7.59 min Scan# 627

Delta R.T. 0.04 min

Lab File: VD062321.D

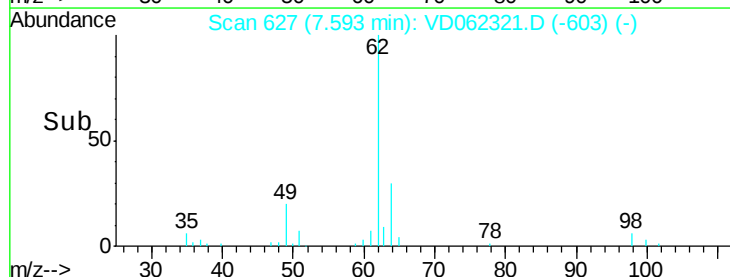
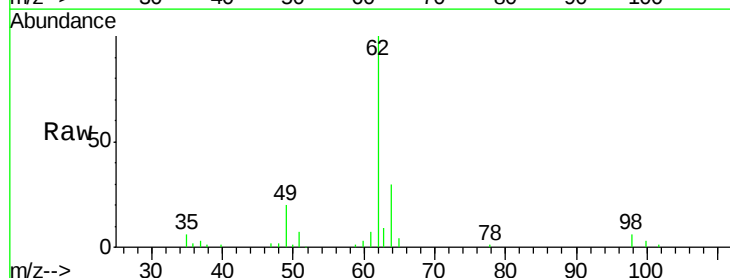
Acq: 14 May 2019 00:12

Tgt Ion: 62 Resp: 164215

Ion Ratio Lower Upper

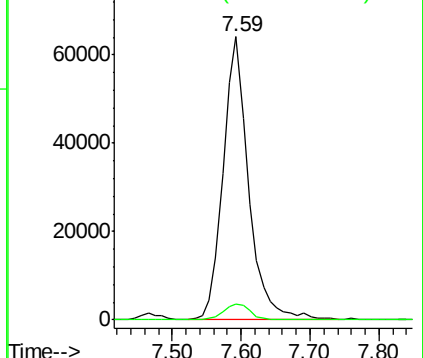
62 100

98 5.7 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



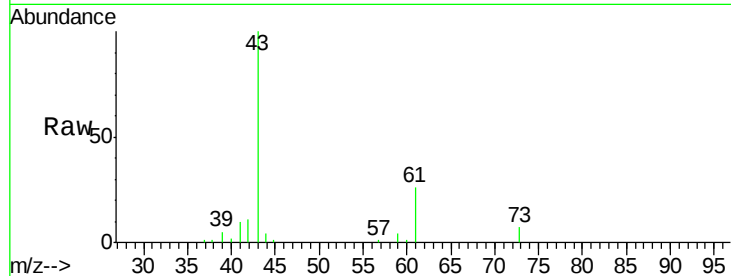


#43

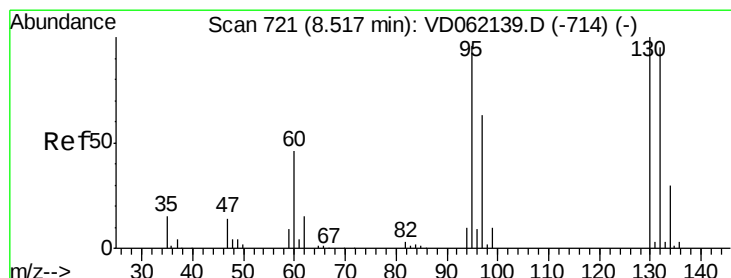
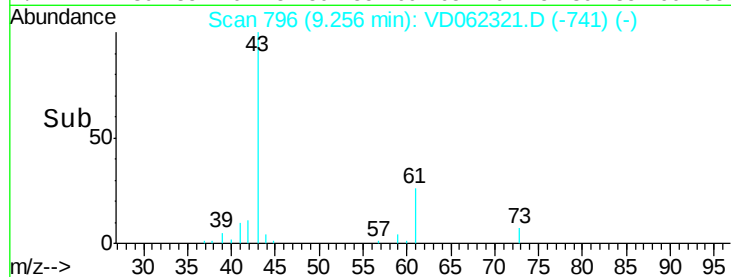
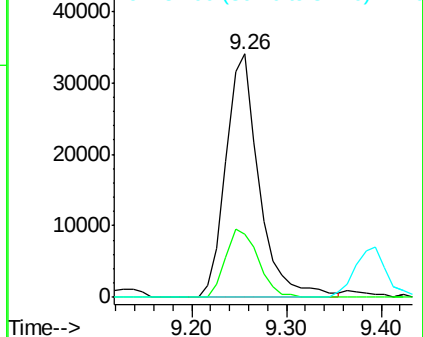
Isopropyl Acetate
 Concen: 23.077 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.04 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion: 43 Resp: 82913
 Ion Ratio Lower Upper
 43 100
 61 26.0 25.1 37.7
 87 0.0 0.0 0.0



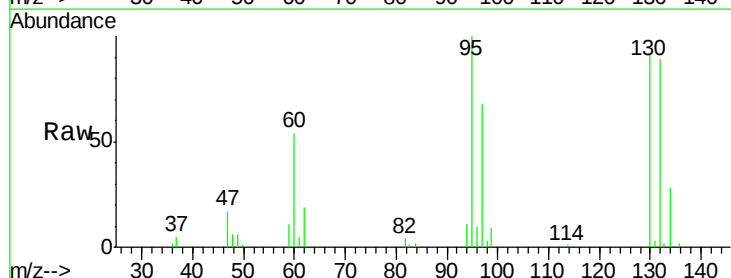
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



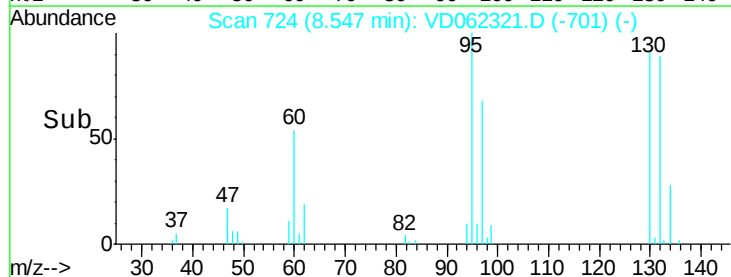
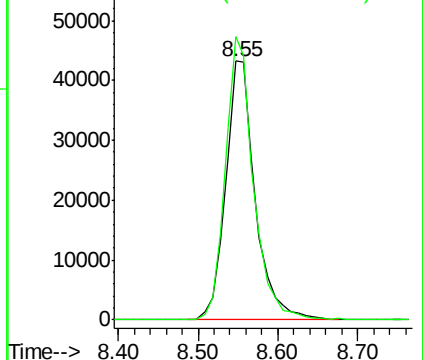
#44

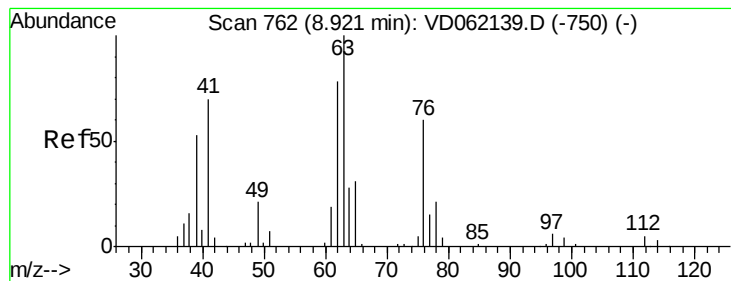
Trichloroethene
 Concen: 21.744 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion: 130 Resp: 111771
 Ion Ratio Lower Upper
 130 100
 95 109.5 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 22.963 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

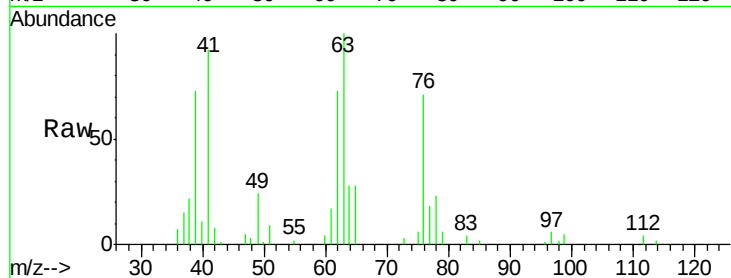
VD0513SBS02

Tot Ion: 63 Resp: 76620

Ion Ratio Lower Upper

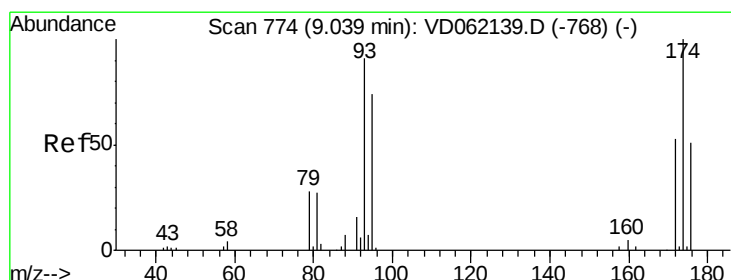
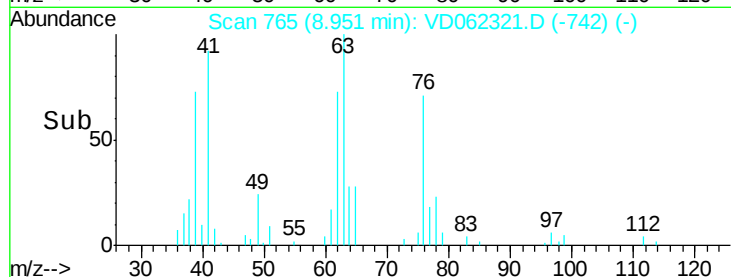
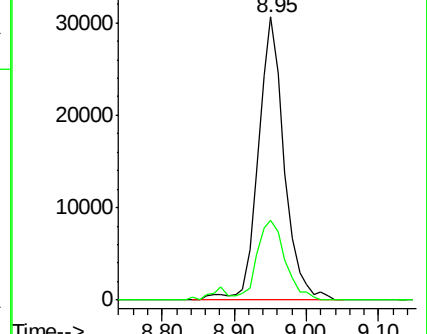
63 100

65 28.4 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 25.349 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

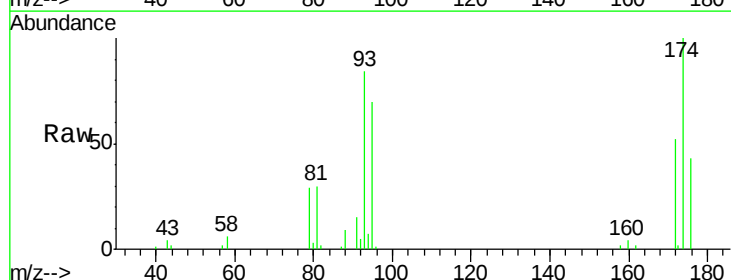
Tgt Ion: 93 Resp: 68780

Ion Ratio Lower Upper

93 100

95 83.3 64.8 97.2

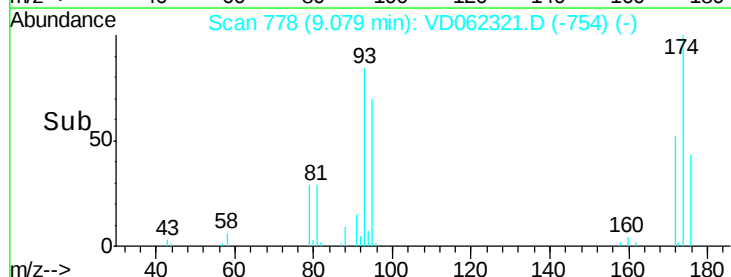
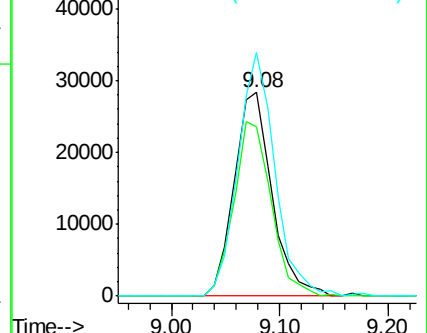
174 119.8 79.3 118.9#

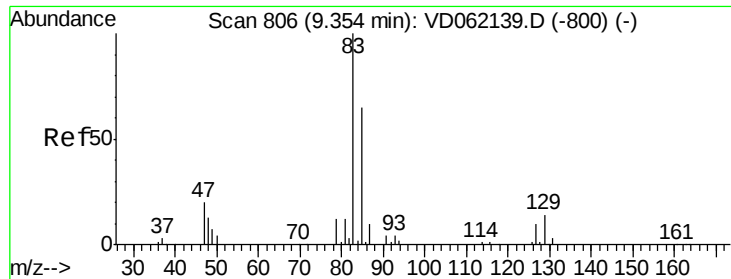


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 25.785 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

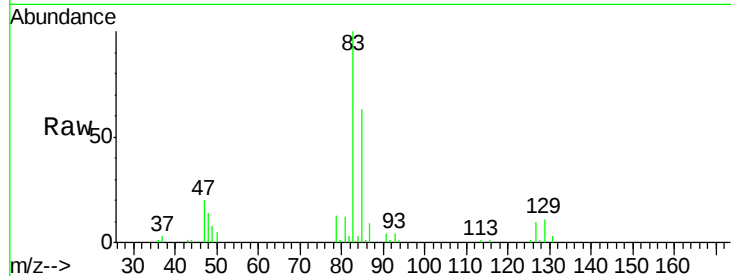
Tot Ion: 83 Resp: 171132

Ion Ratio Lower Upper

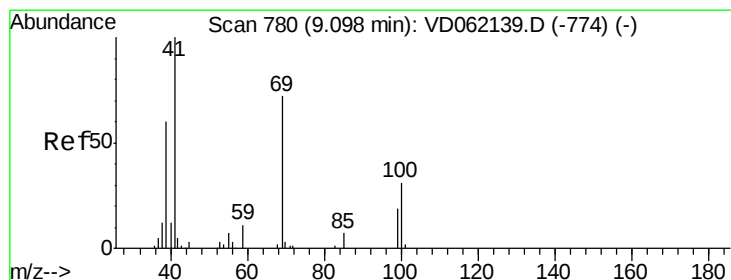
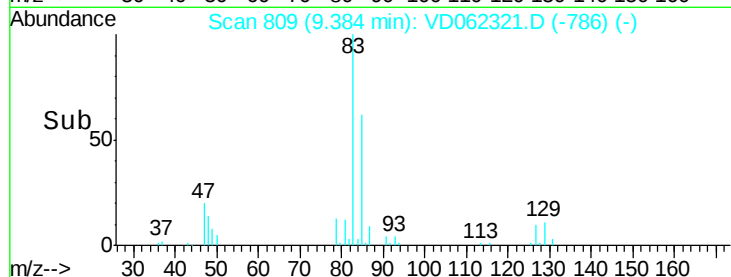
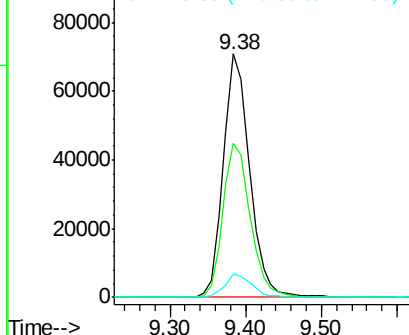
83 100

85 64.3 50.9 76.3

127 9.6 8.1 12.1



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): V



#48

Methyl methacrylate

Concen: 25.200 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

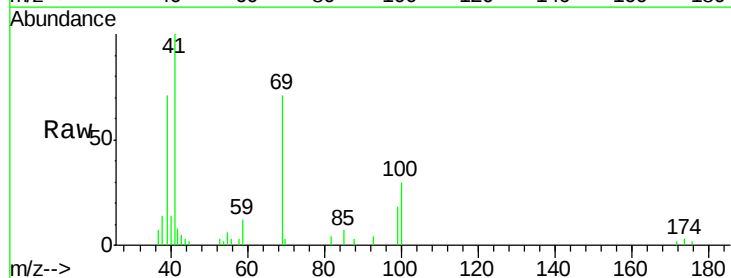
Tgt Ion: 41 Resp: 55770

Ion Ratio Lower Upper

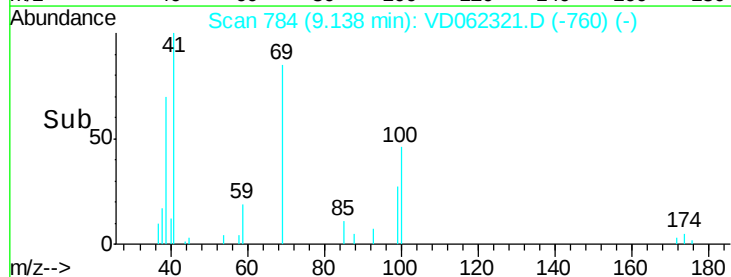
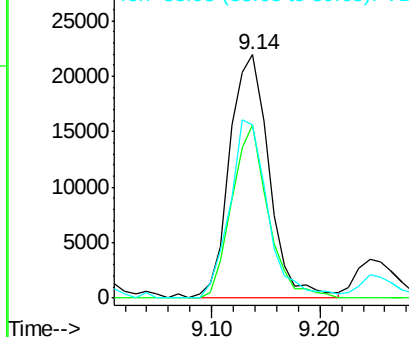
41 100

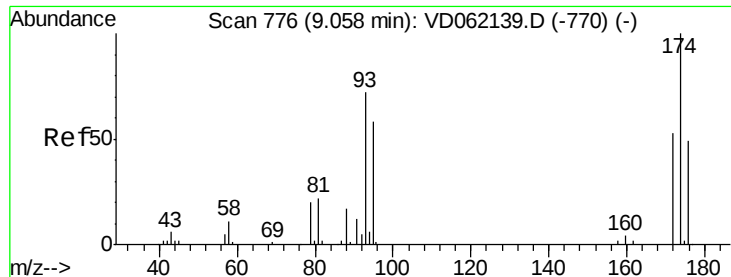
69 71.0 64.2 96.2

39 71.2 46.8 70.2#



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

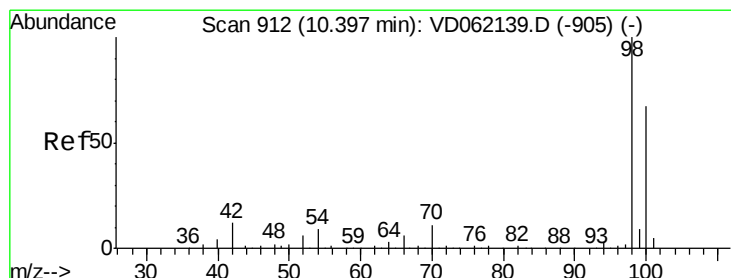
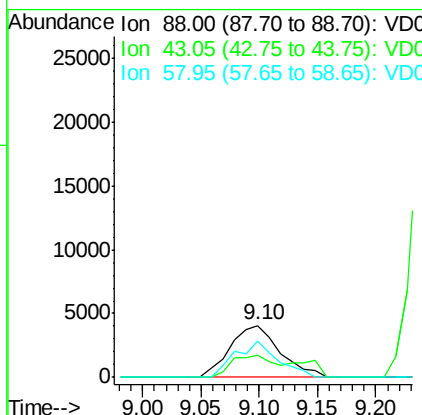
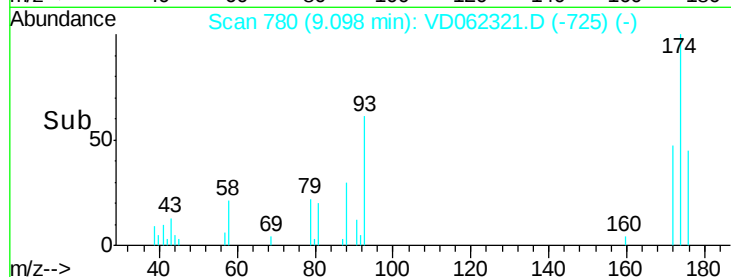
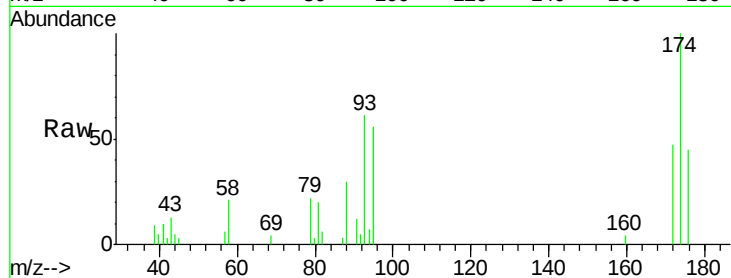




#49
1,4-Dioxane
Concen: 501.297 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

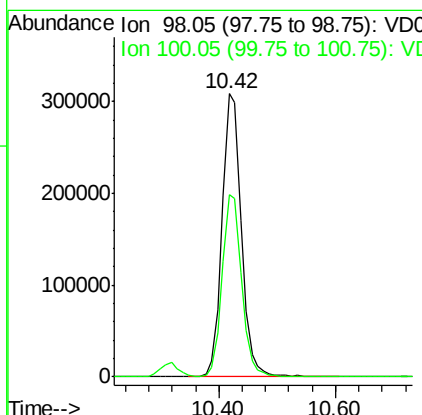
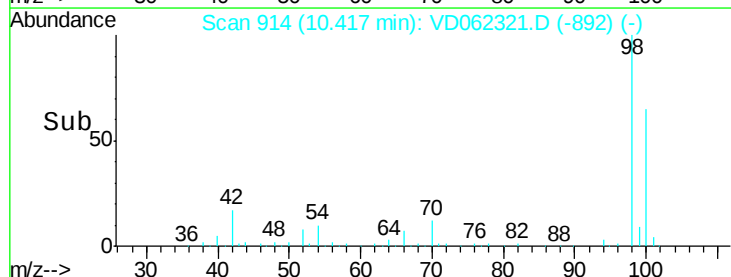
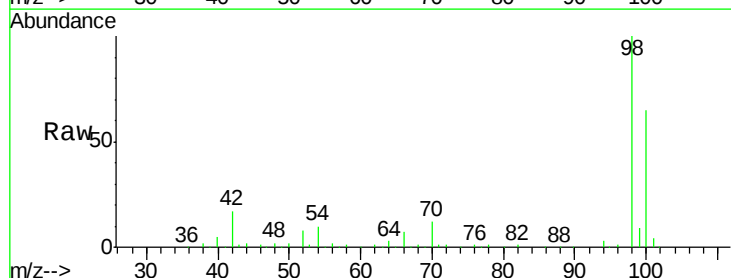
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion: 88 Resp: 11970
Ion Ratio Lower Upper
88 100
43 42.9 23.4 35.0#
58 69.1 44.0 66.0#



#50
Toluene-d8
Concen: 48.603 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 98 Resp: 708400
Ion Ratio Lower Upper
98 100
100 64.6 53.8 80.8

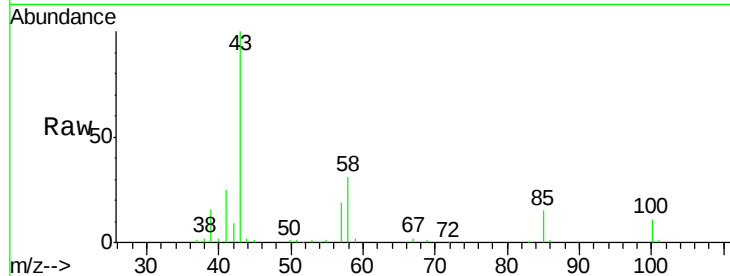




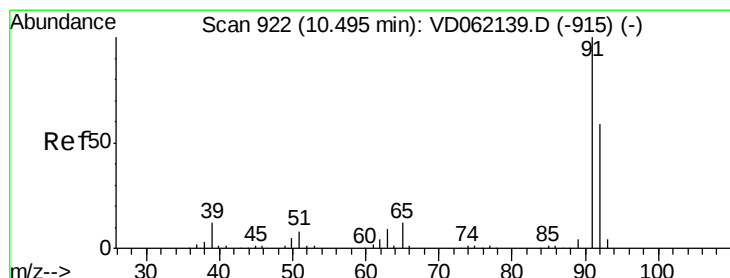
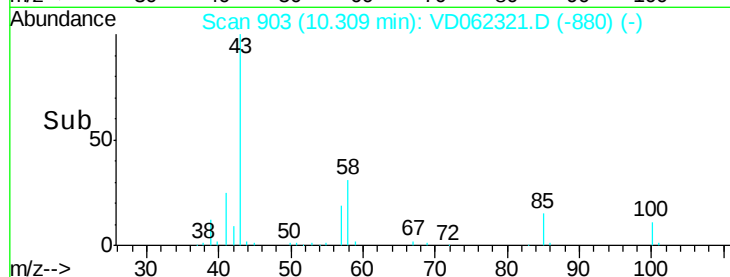
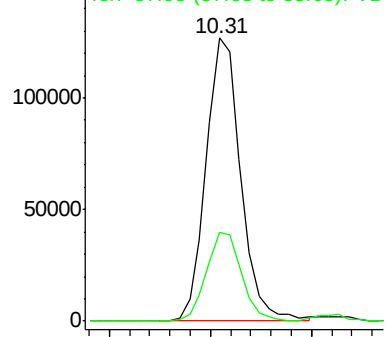
#51
 4-Methyl-2-Pentanone
 Concen: 131.385 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.03 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion: 43 Resp: 303440
 Ion Ratio Lower Upper
 43 100
 58 31.4 30.4 45.6

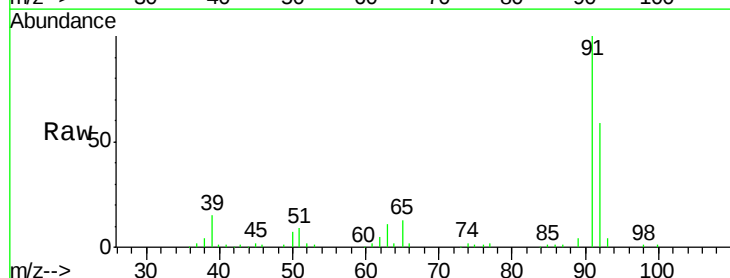


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

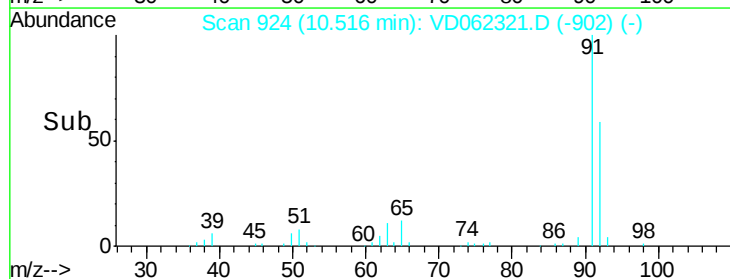
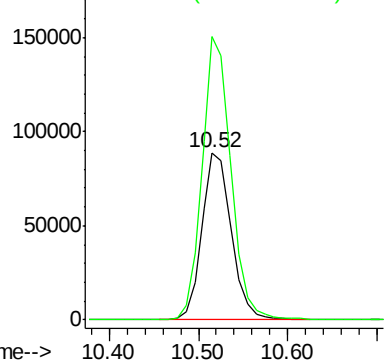


#52
 Toluene
 Concen: 23.352 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion: 92 Resp: 204954
 Ion Ratio Lower Upper
 92 100
 91 169.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
 Ion 91.00 (90.70 to 91.70): VDC

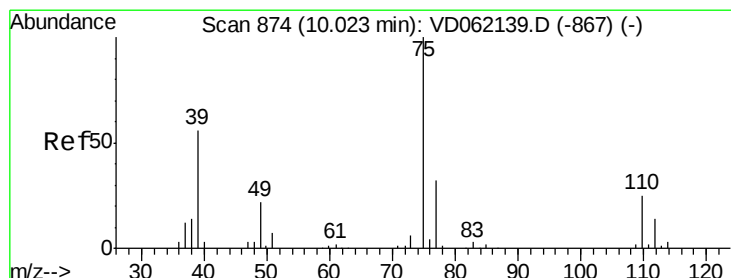
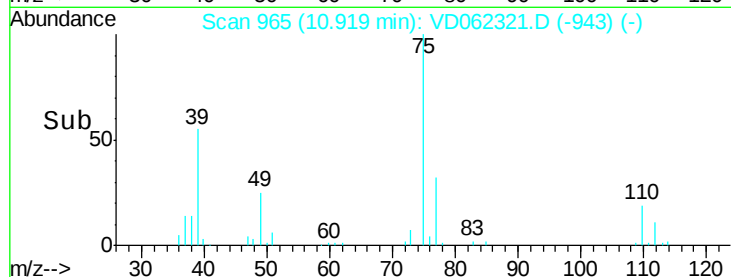
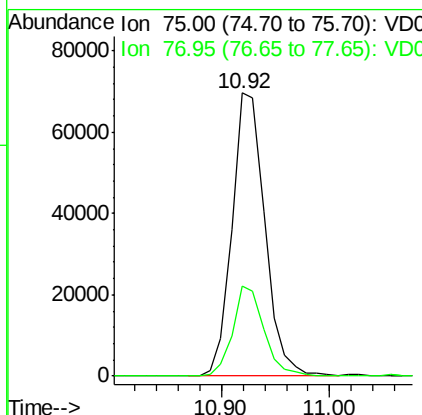
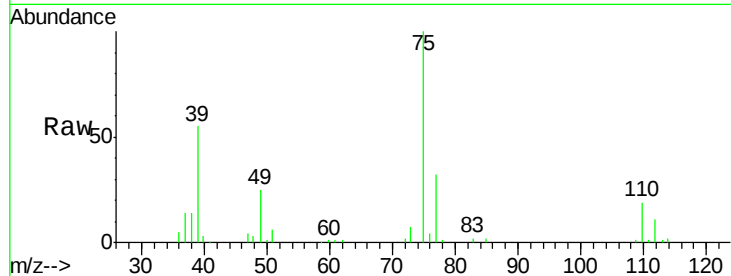




#53
t-1,3-Dichloropropene
Concen: 25.654 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

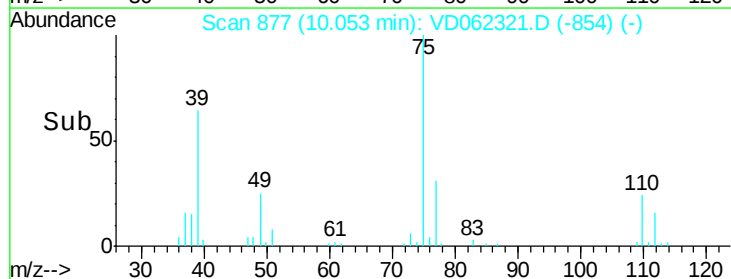
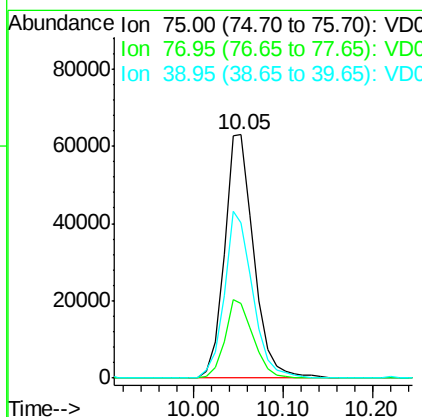
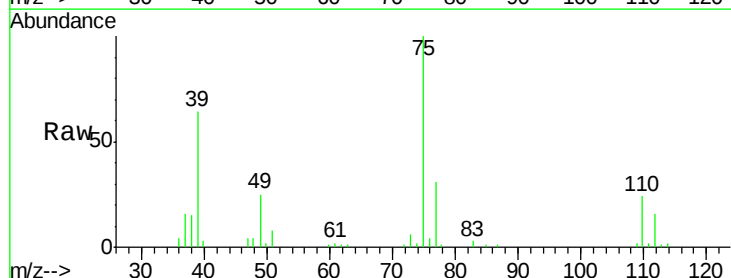
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

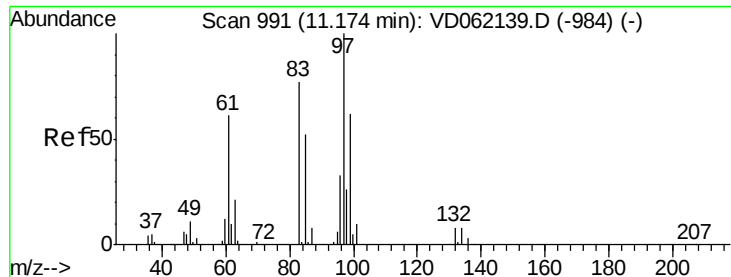
Tot Ion: 75 Resp: 147150
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 23.220 ug/l
RT: 10.05 min Scan# 877
Delta R.T. 0.03 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 75 Resp: 145303
Ion Ratio Lower Upper
75 100
77 30.6 25.5 38.3
39 63.7 39.4 59.2#

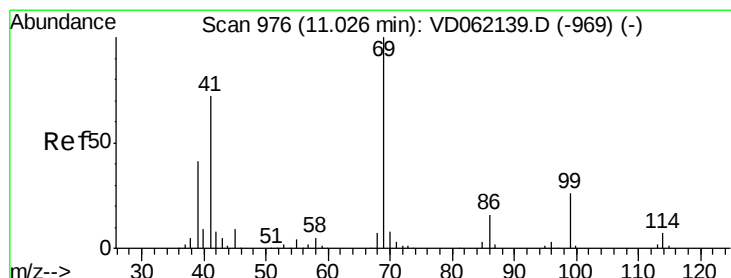
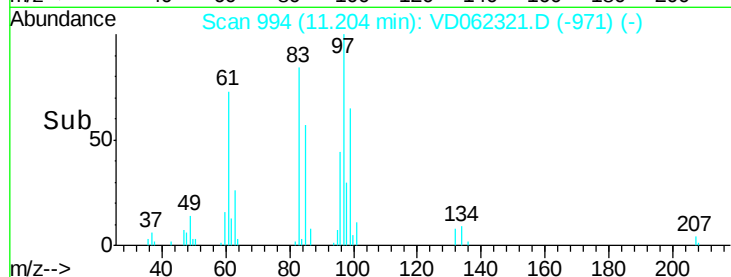
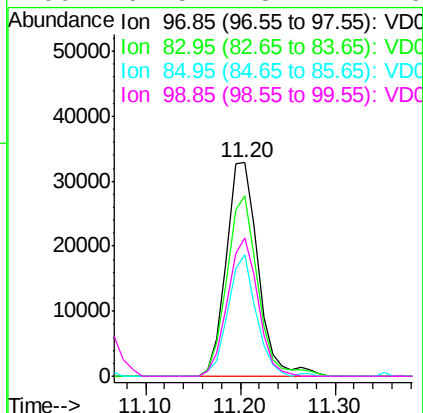
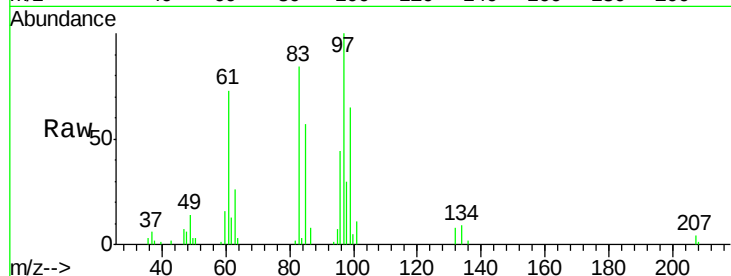




#55
 1,1,2-Trichloroethane
 Concen: 24.826 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

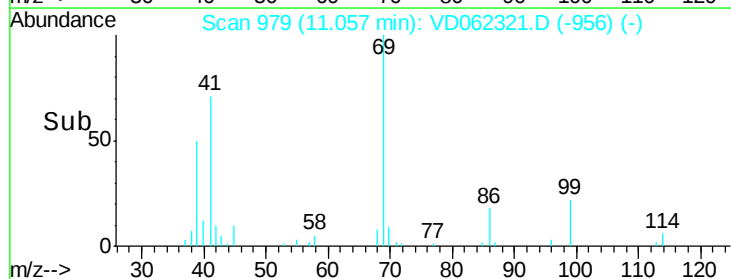
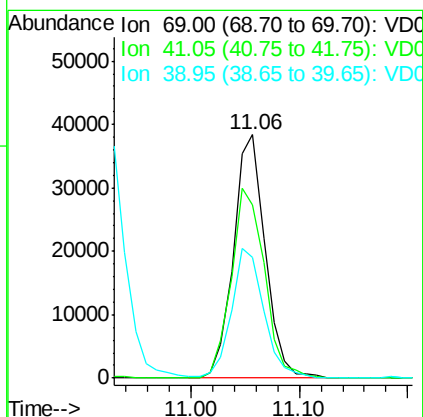
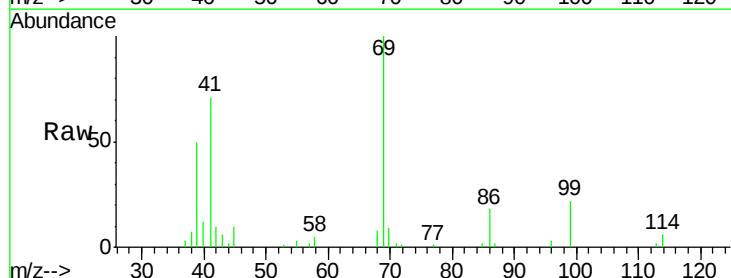
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

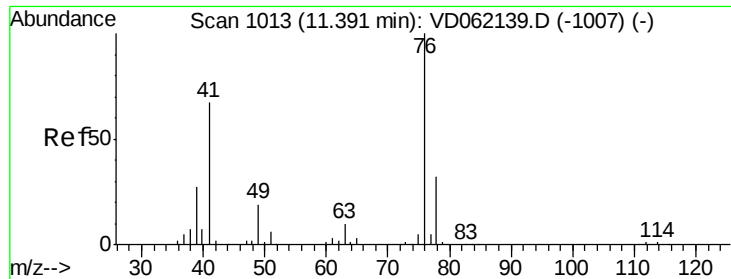
Tot Ion:	97	Resp:	77095
Ion	Ratio	Lower	Upper
97	100		
83	84.3	65.7	98.5
85	57.0	45.6	68.4
99	64.5	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 24.187 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion:	69	Resp:	78052
Ion	Ratio	Lower	Upper
69	100		
41	71.2	56.3	84.5
39	49.8	29.4	44.2#

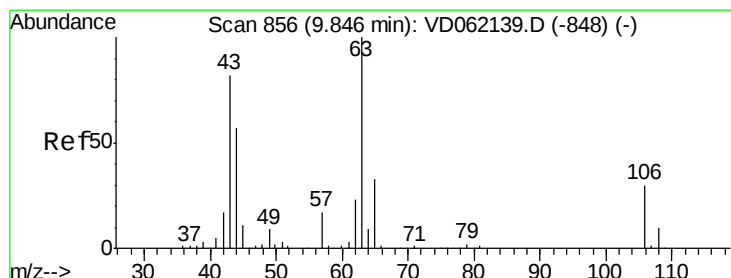
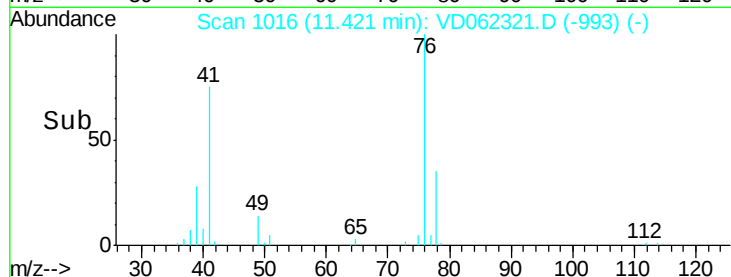
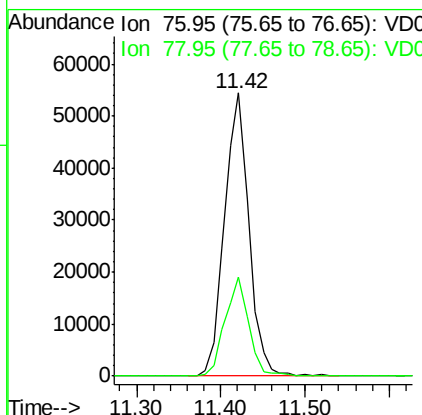
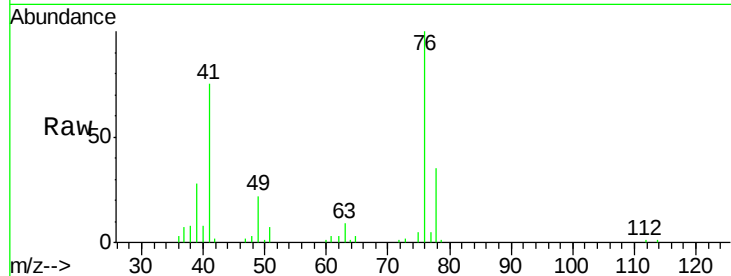




#57
 1,3-Dichloropropane
 Concen: 23.266 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

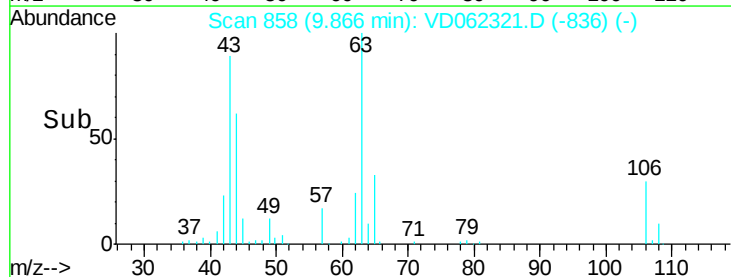
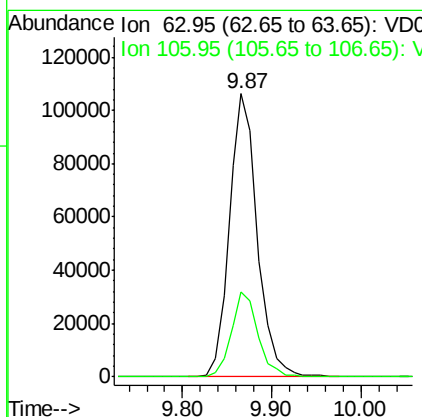
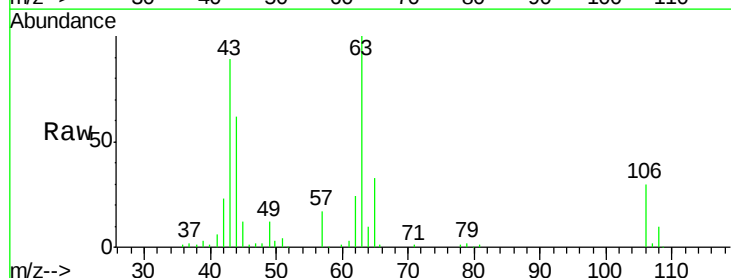
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion: 76 Resp: 109151
 Ion Ratio Lower Upper
 76 100
 78 35.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 132.092 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion: 63 Resp: 232837
 Ion Ratio Lower Upper
 63 100
 106 30.0 22.6 34.0

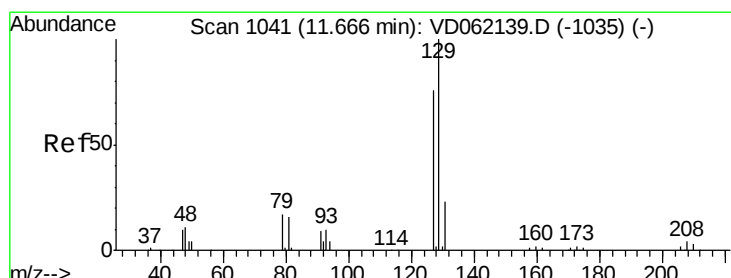
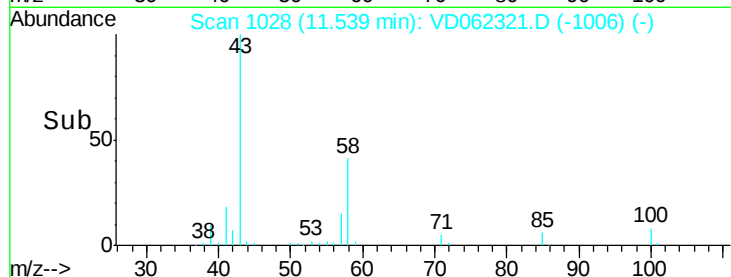
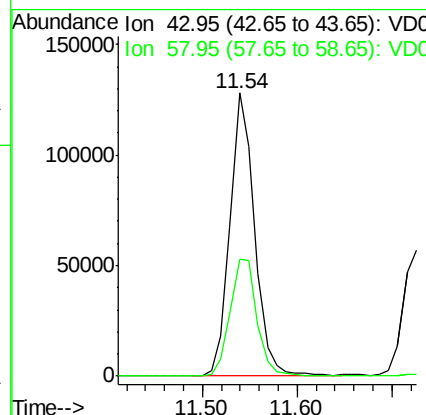
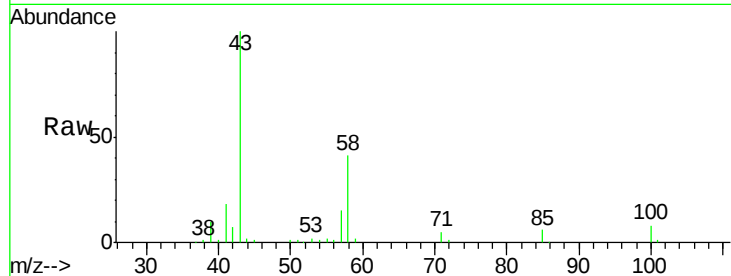




#59
2-Hexanone
Concen: 136.072 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

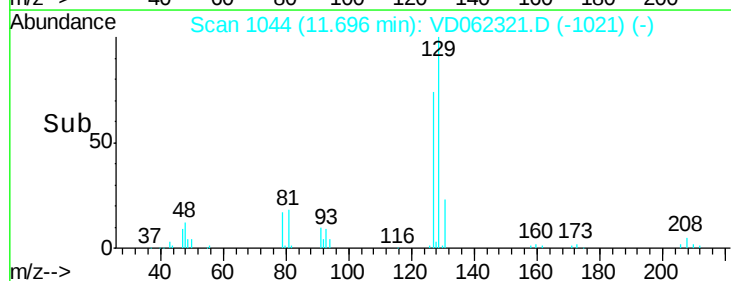
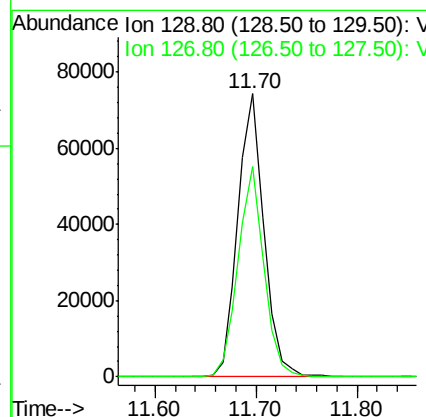
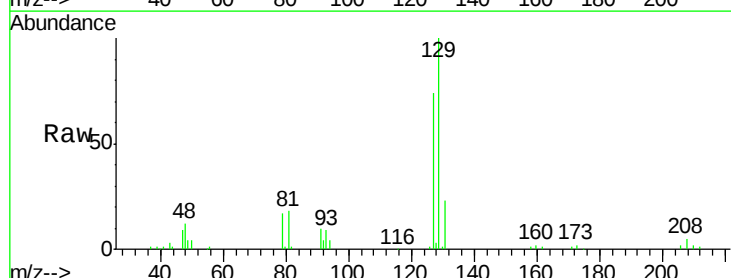
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion: 43 Resp: 231624
Ion Ratio Lower Upper
43 100
58 41.4 25.4 76.4



#60
Dibromochloromethane
Concen: 24.838 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 129 Resp: 133301
Ion Ratio Lower Upper
129 100
127 74.5 38.0 113.9

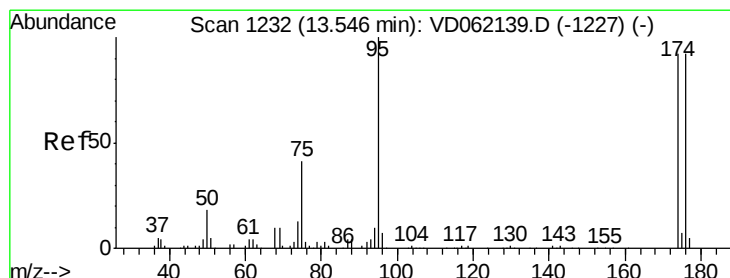
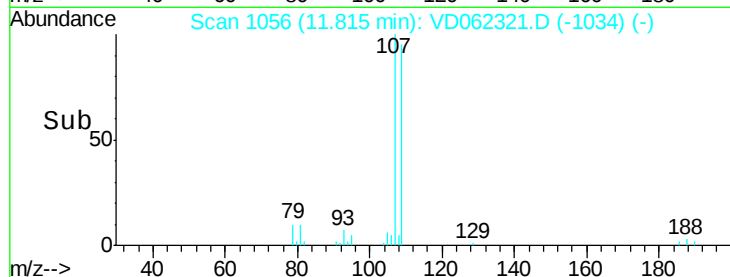
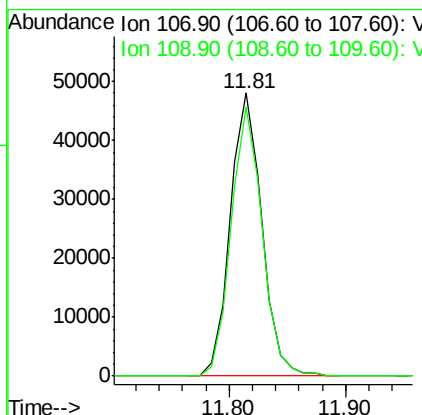
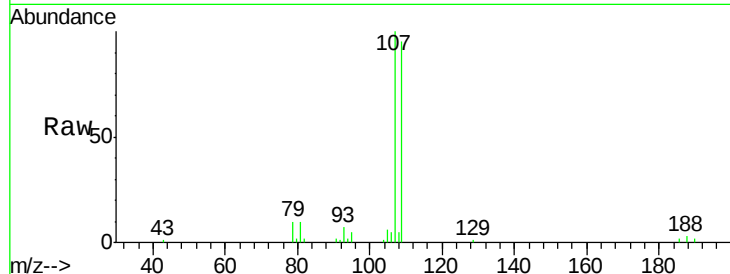




#61
 1,2-Dibromoethane
 Concen: 23.787 ug/l
 RT: 11.81 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

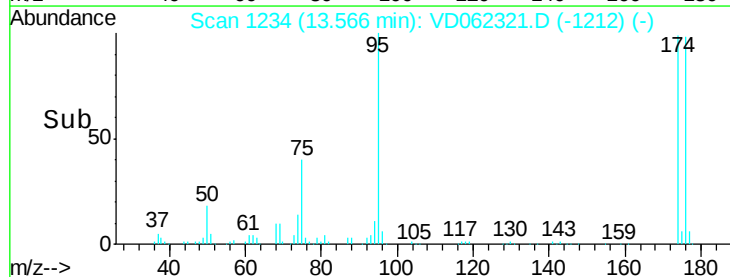
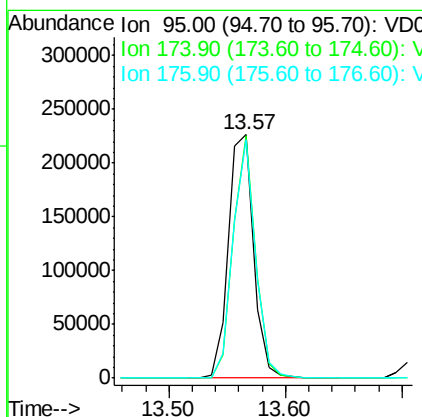
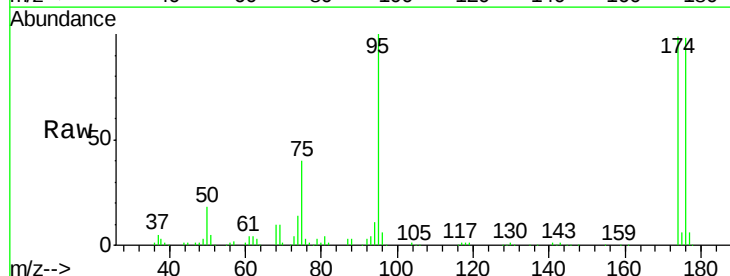
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion:107 Resp: 89806
 Ion Ratio Lower Upper
 107 100
 109 95.3 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 58.117 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion: 95 Resp: 340155
 Ion Ratio Lower Upper
 95 100
 174 99.5 0.0 181.8
 176 98.1 0.0 174.4

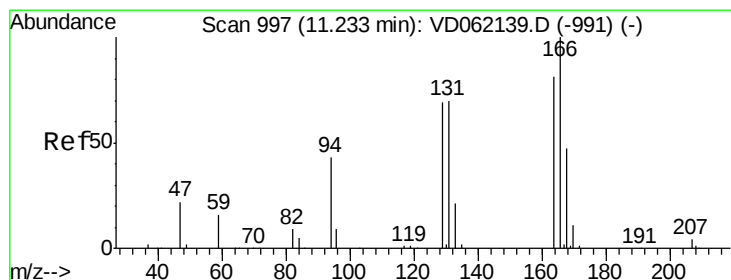
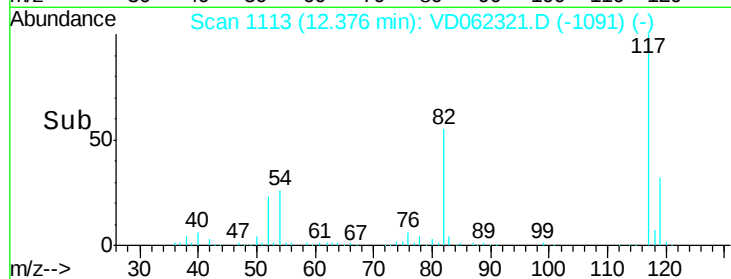
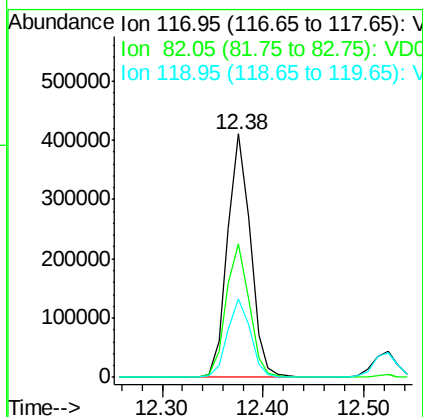
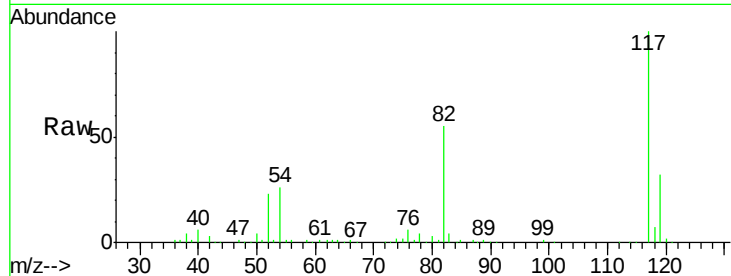




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

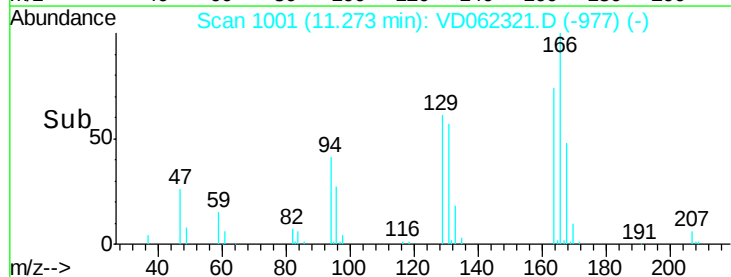
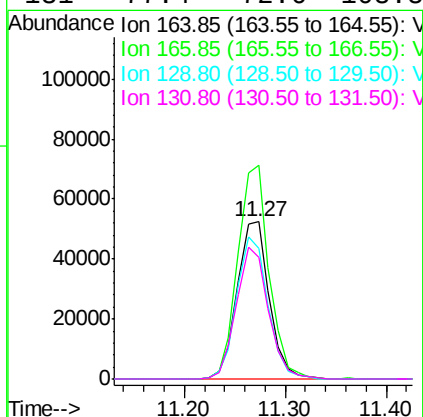
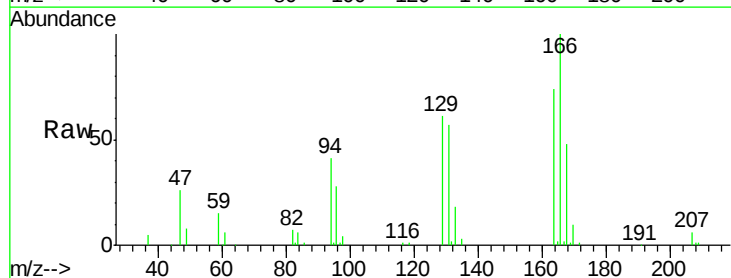
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

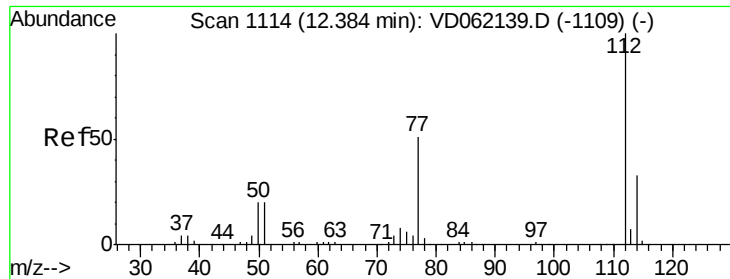
Tot Ion:117 Resp: 649361
Ion Ratio Lower Upper
117 100
82 54.9 36.2 54.2#
119 32.2 26.2 39.4



#64
Tetrachloroethene
Concen: 22.922 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion:164 Resp: 116390
Ion Ratio Lower Upper
164 100
166 135.9 101.5 152.3
129 82.7 74.6 112.0
131 77.4 72.6 108.8

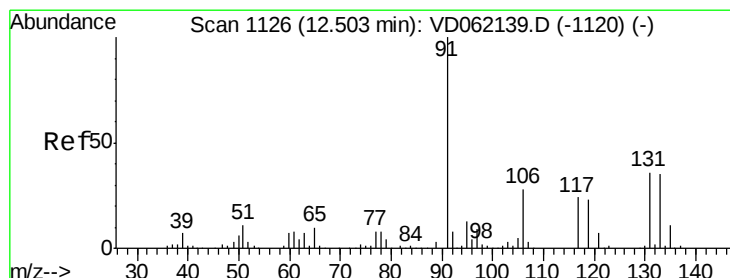
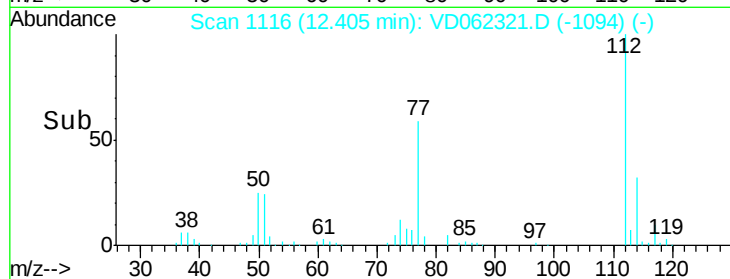
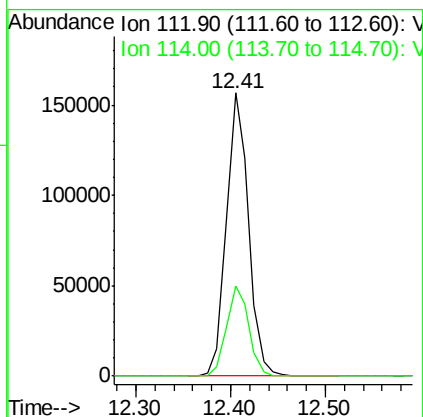
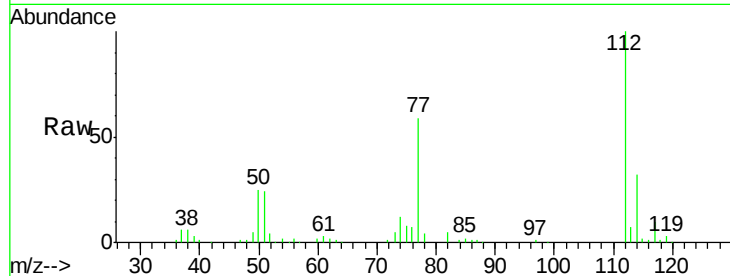




#65
Chlorobenzene
Concen: 20.824 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

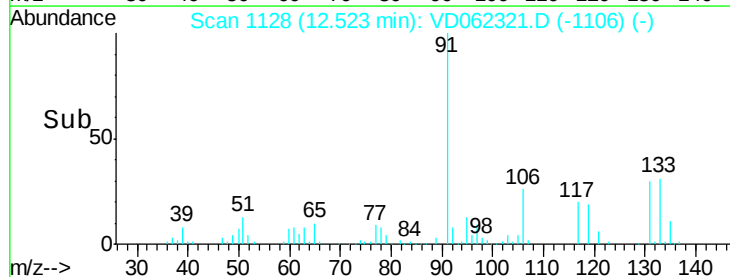
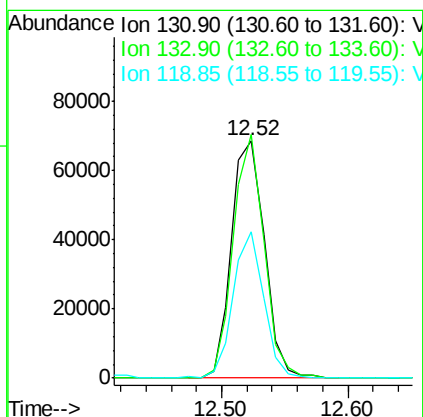
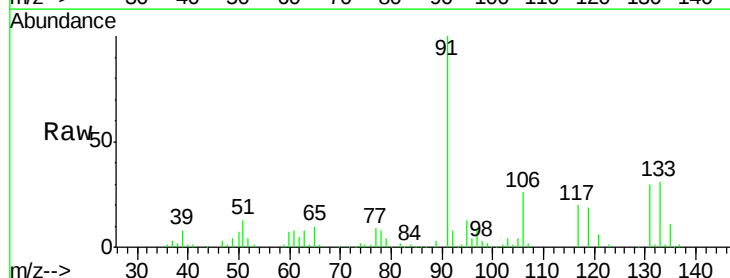
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion:112 Resp: 251856
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.625 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion:131 Resp: 124356
Ion Ratio Lower Upper
131 100
133 102.6 48.6 145.8
119 61.6 34.7 104.1

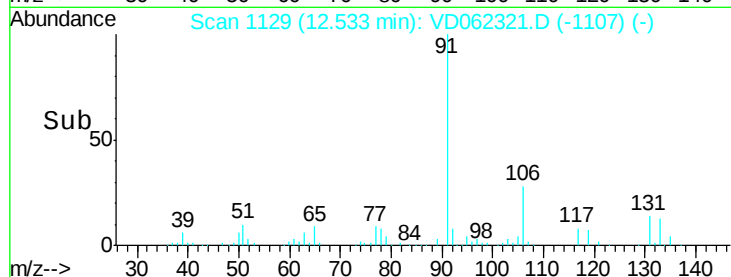
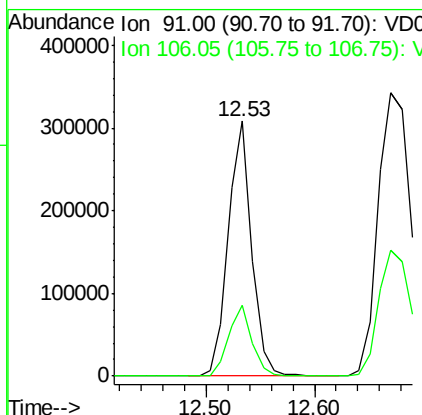
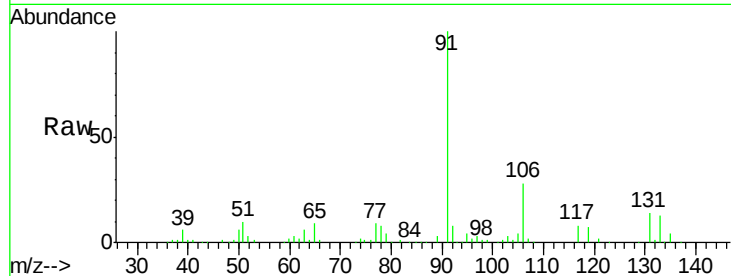




#67
Ethyl Benzene
Concen: 22.986 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

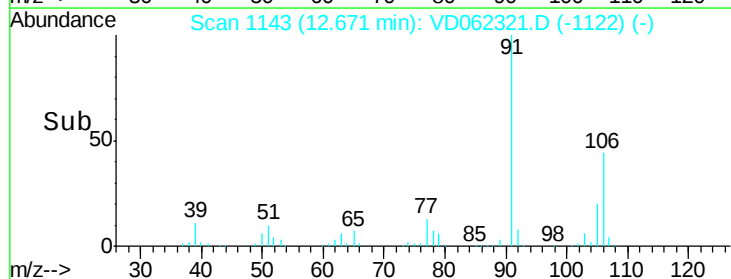
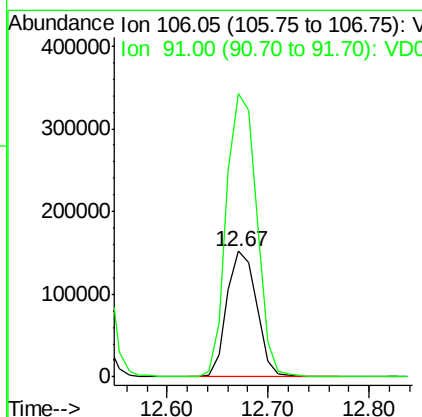
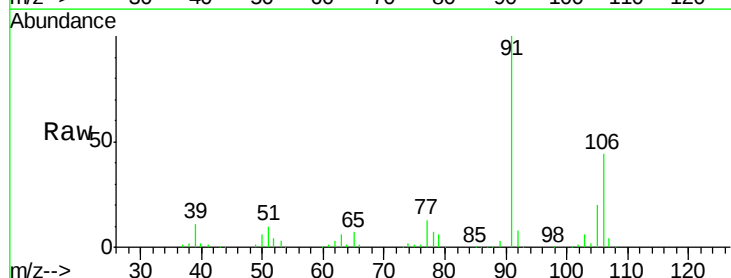
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion: 91 Resp: 465412
Ion Ratio Lower Upper
91 100
106 27.9 24.7 37.1



#68
m/p-Xylenes
Concen: 42.135 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 106 Resp: 310400
Ion Ratio Lower Upper
106 100
91 225.1 164.0 246.0

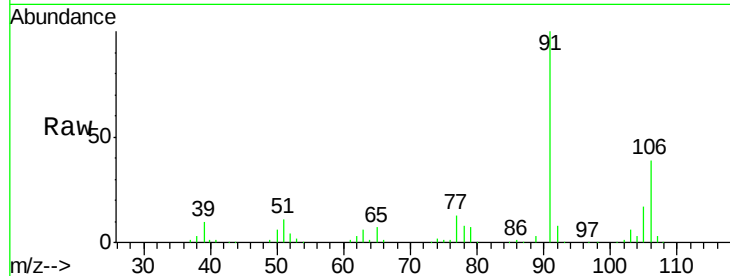




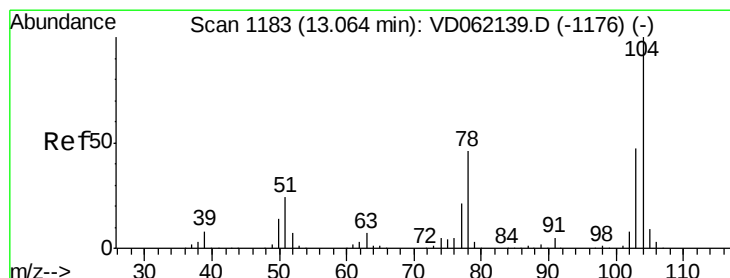
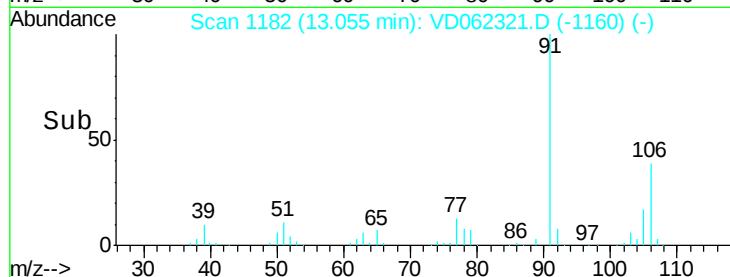
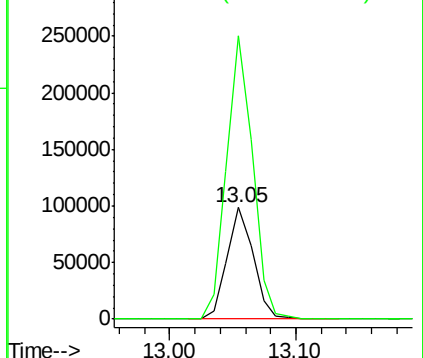
#69
o-Xylene
Concen: 20.883 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion:106 Resp: 143021
Ion Ratio Lower Upper
106 100
91 253.9 106.7 319.9

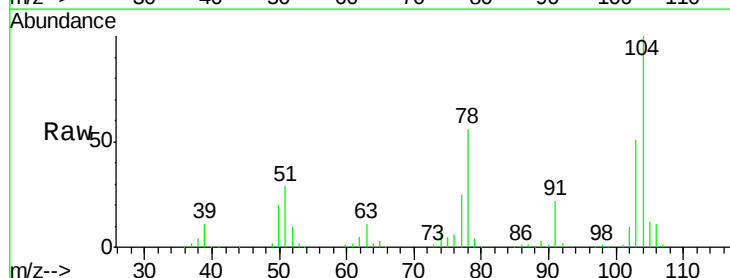


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

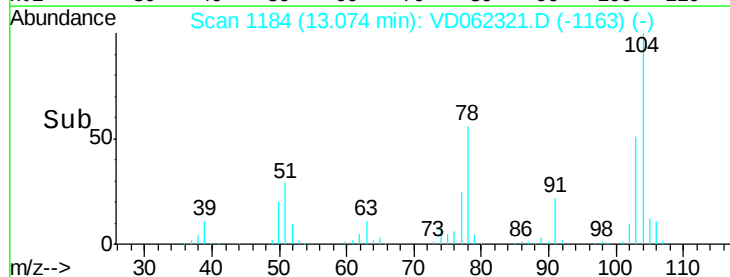
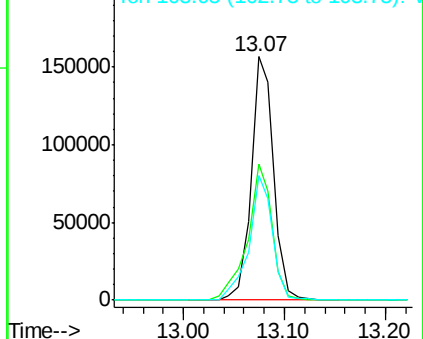


#70
Styrene
Concen: 20.962 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion:104 Resp: 243194
Ion Ratio Lower Upper
104 100
78 55.9 35.4 53.2#
103 51.3 37.5 56.3



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





#71

Bromoform

Concen: 23.950 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

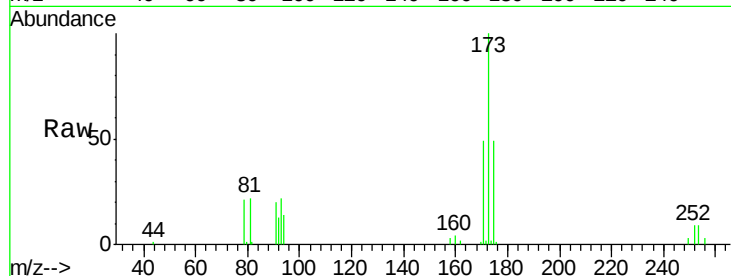
Tot Ion:173 Resp: 87709

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

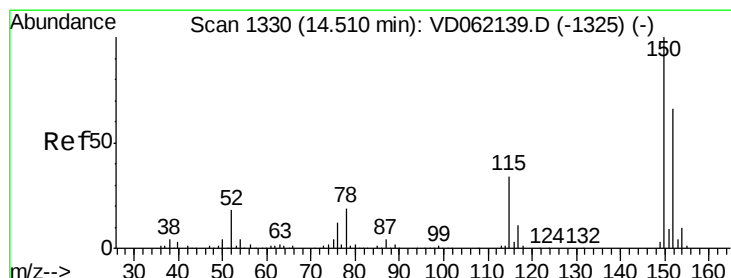
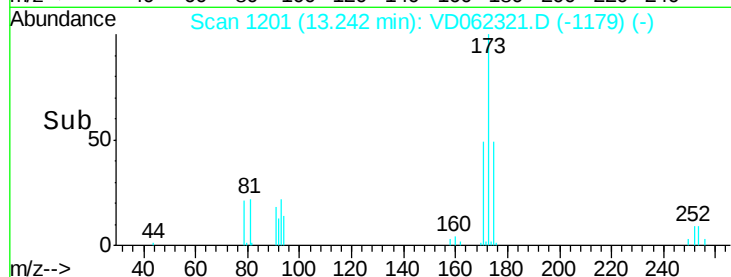
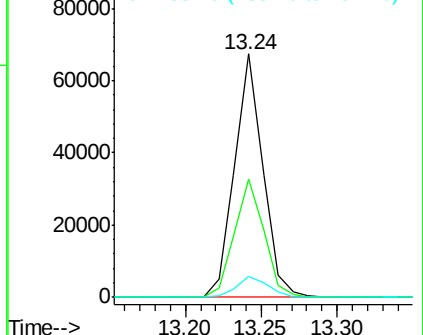
254 8.6 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

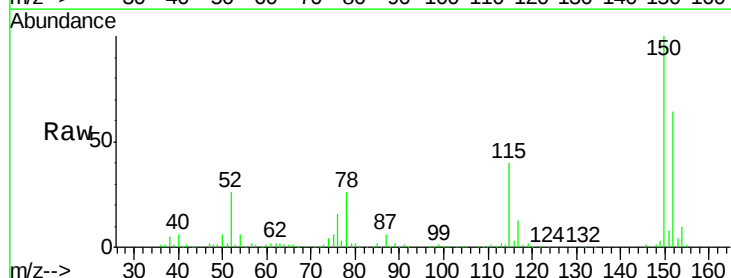
Tgt Ion:152 Resp: 345949

Ion Ratio Lower Upper

152 100

115 63.0 30.9 92.7

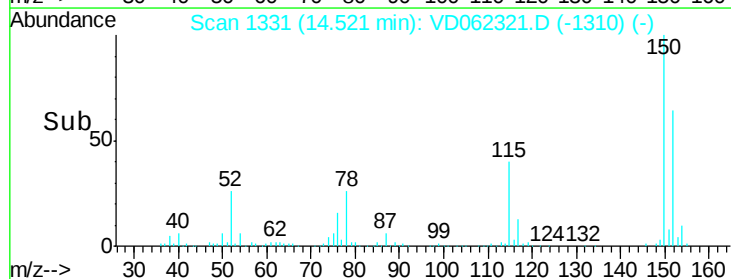
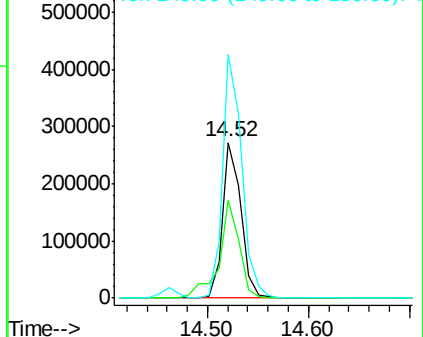
150 156.4 0.0 314.8

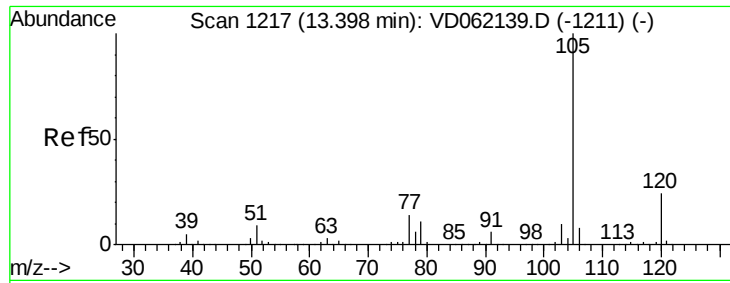


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.526 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

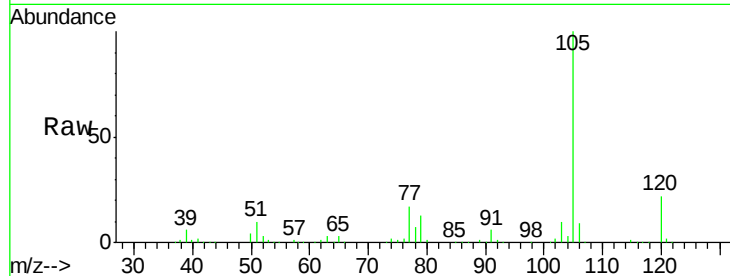
VD0513SBS02

Tot Ion:105 Resp: 467126

Ion Ratio Lower Upper

105 100

120 21.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

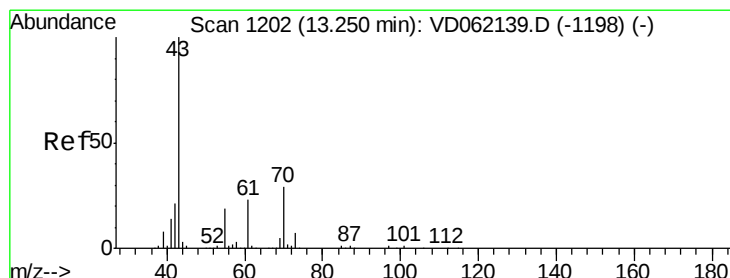
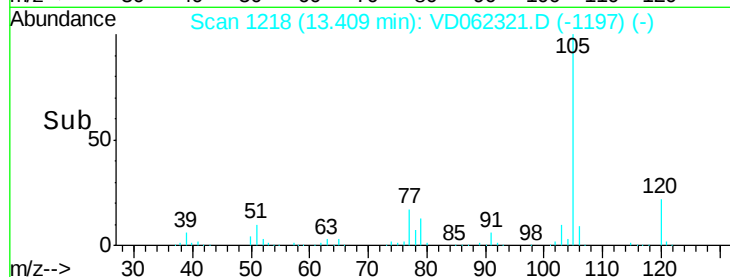
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.065 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Tgt Ion: 43 Resp: 119966

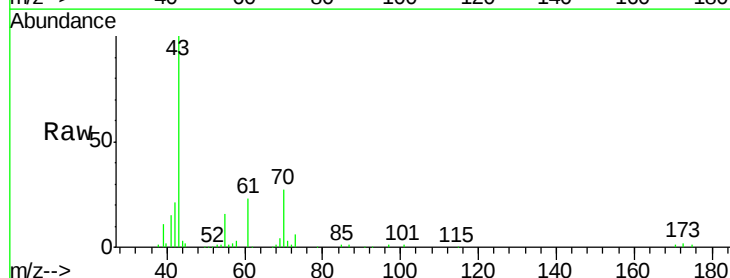
Ion Ratio Lower Upper

43 100

70 27.4 24.2 36.4

55 16.1 16.0 24.0

61 22.5 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

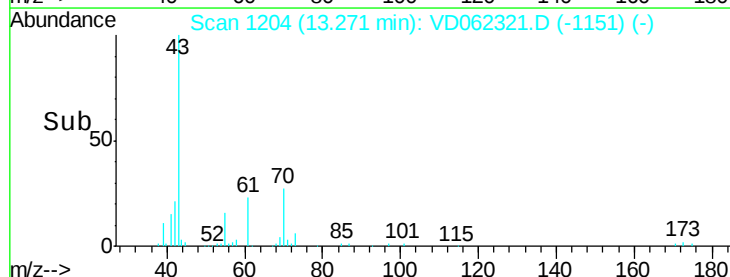
13.27

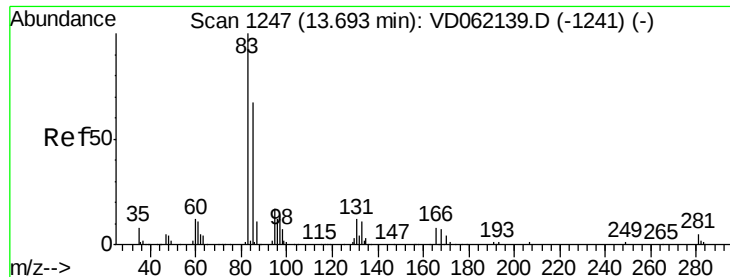
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 22.658 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

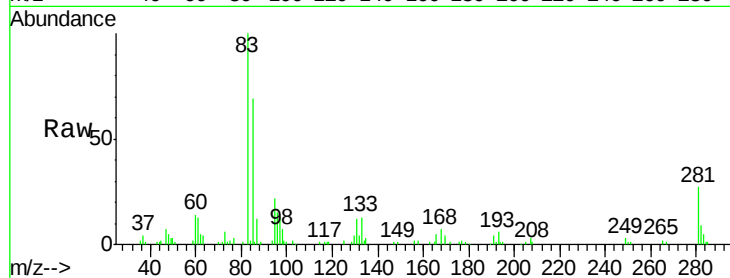
Tot Ion: 83 Resp: 88953

Ion Ratio Lower Upper

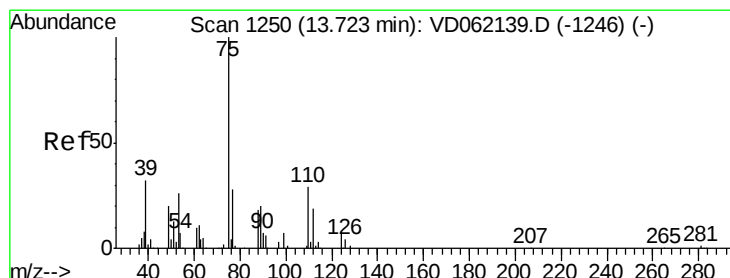
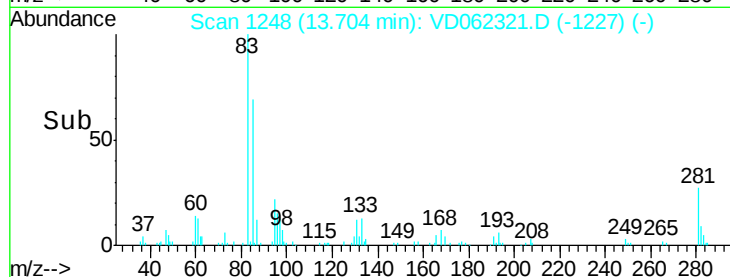
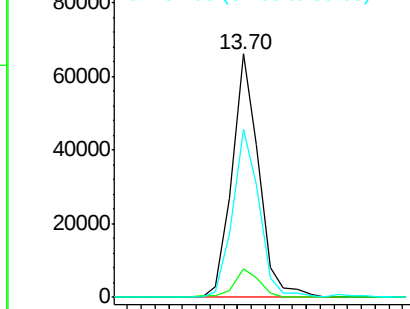
83 100

131 11.9 5.0 14.9

85 68.8 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 23.597 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062321.D

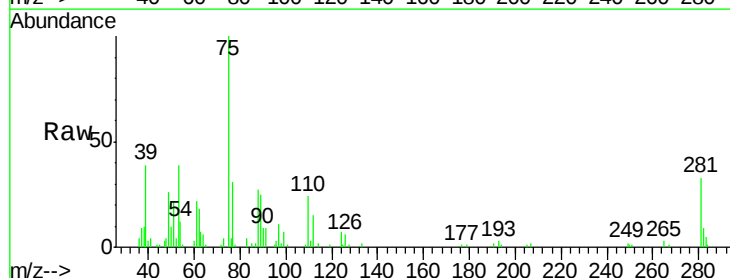
Acq: 14 May 2019 00:12

Tgt Ion: 75 Resp: 97017

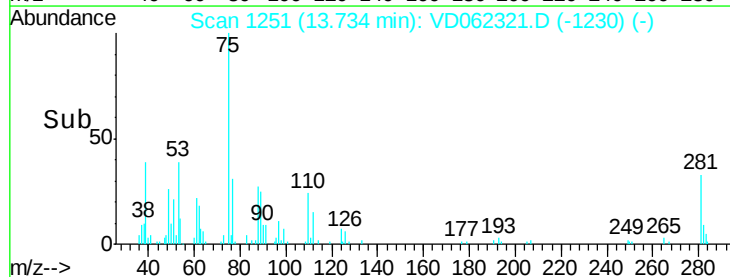
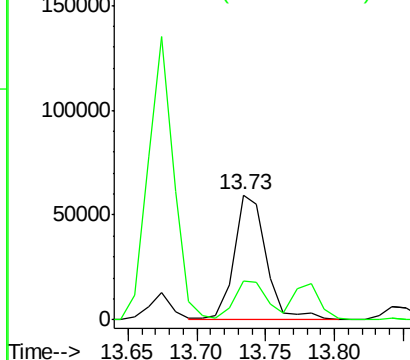
Ion Ratio Lower Upper

75 100

77 31.2 16.4 49.4



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





#77

Bromobenzene

Concen: 23.662 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

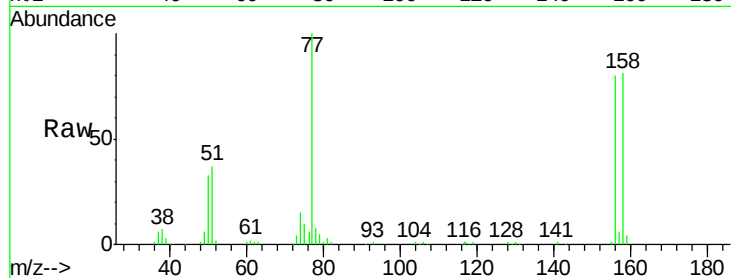
Tot Ion:156 Resp: 137359

Ion Ratio Lower Upper

156 100

77 125.3 53.1 159.4

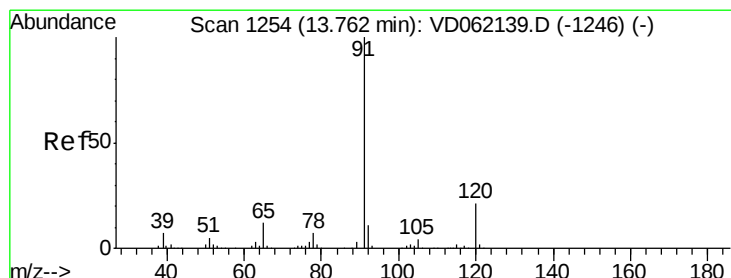
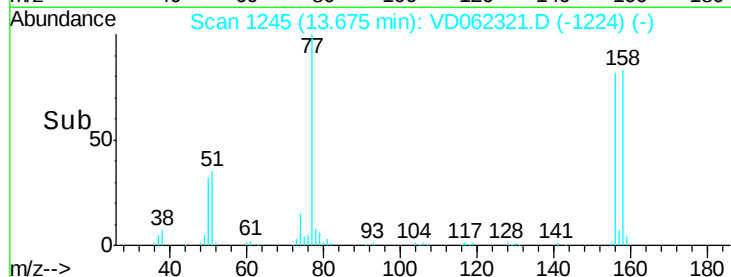
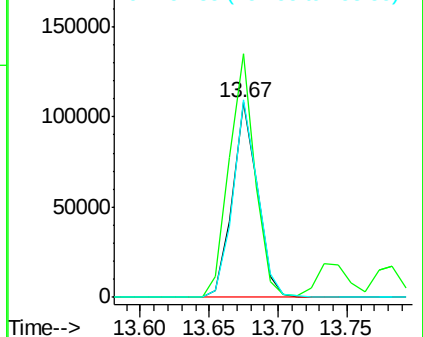
158 101.8 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 24.310 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062321.D

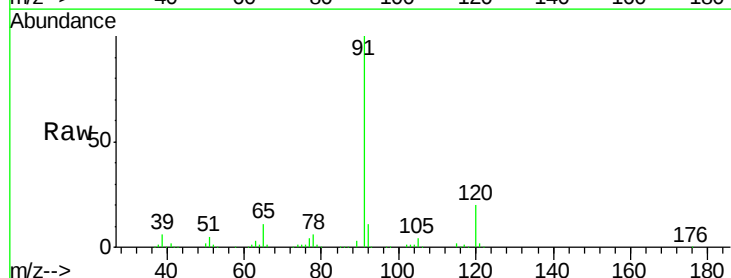
Acq: 14 May 2019 00:12

Tgt Ion: 91 Resp: 601359

Ion Ratio Lower Upper

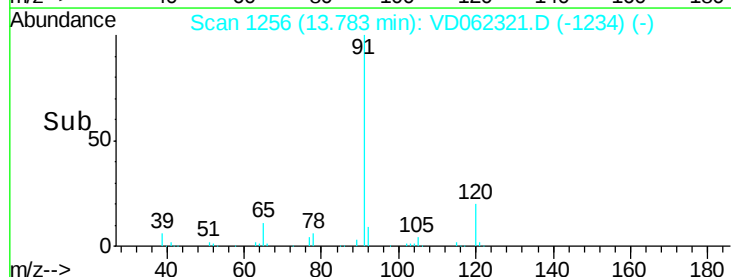
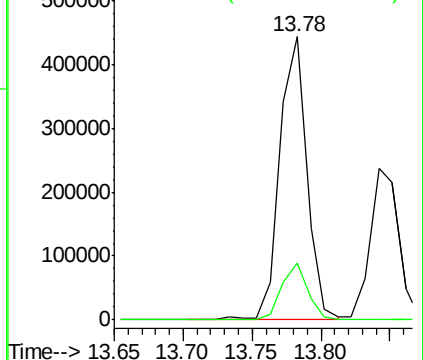
91 100

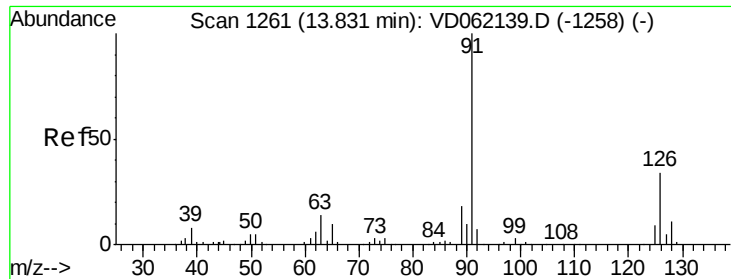
120 20.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.890 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062321.D

Acq: 14 May 2019 00:12

Instrument :

MSVOA_D

ClientSampleId :

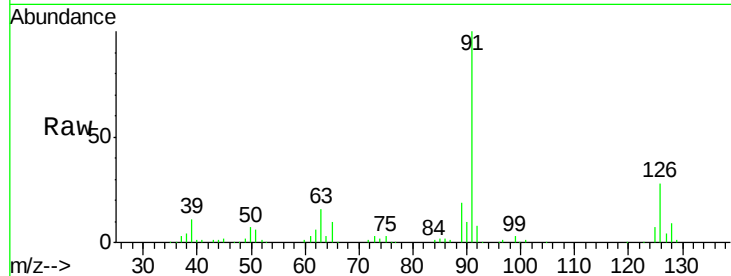
VD0513SBS02

Tot Ion: 91 Resp: 338463

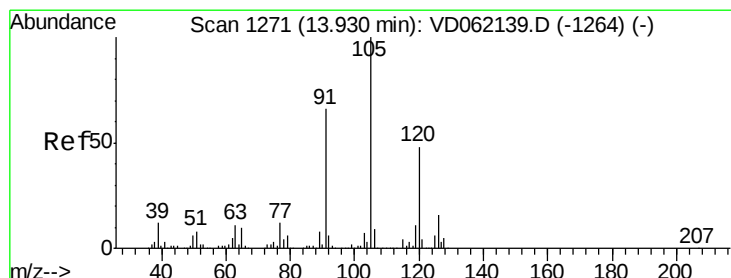
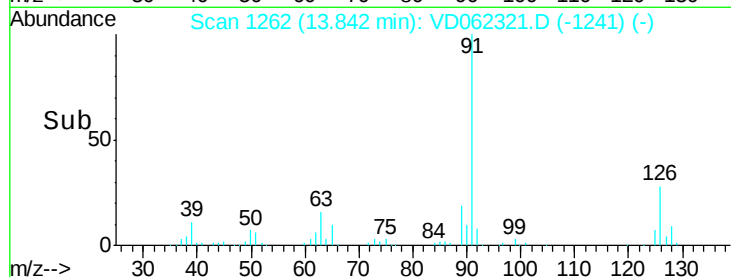
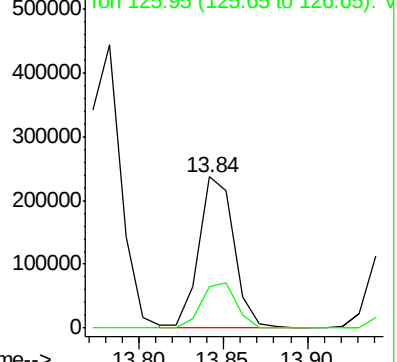
Ion Ratio Lower Upper

91 100

126 27.9 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.367 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062321.D

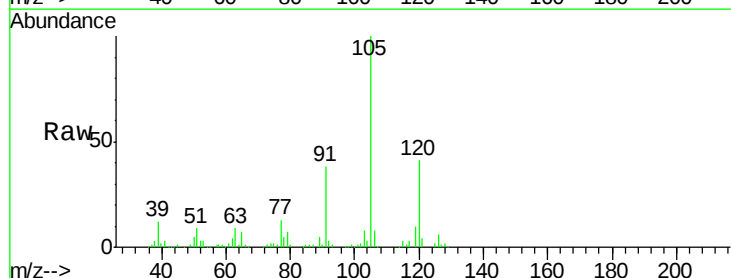
Acq: 14 May 2019 00:12

Tgt Ion:105 Resp: 373113

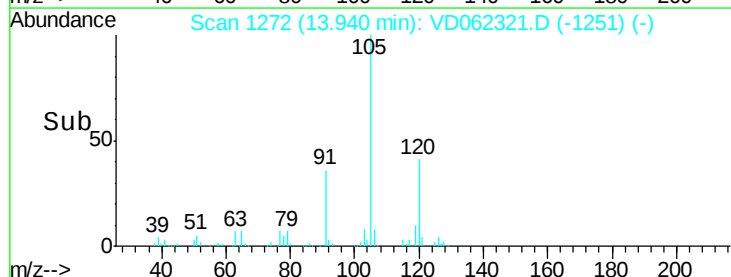
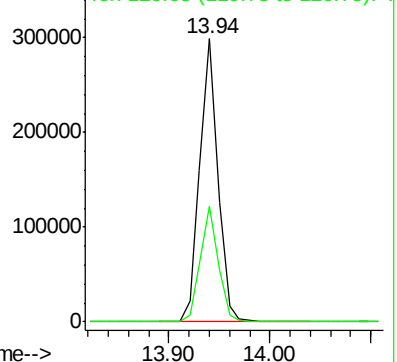
Ion Ratio Lower Upper

105 100

120 40.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

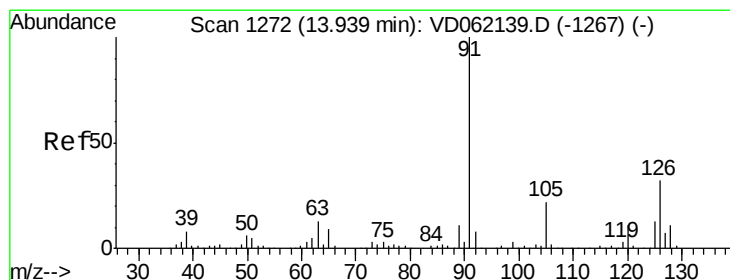
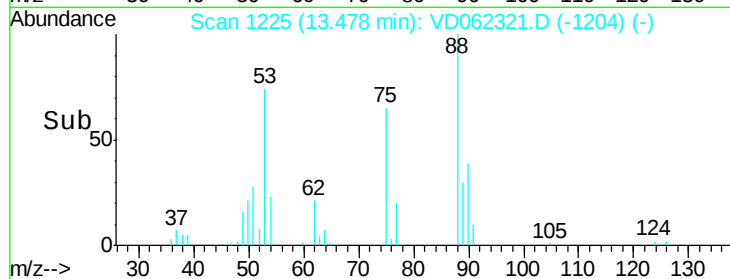
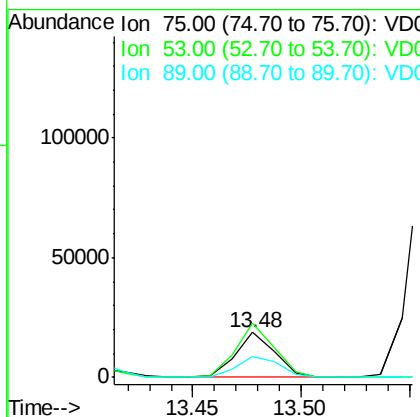
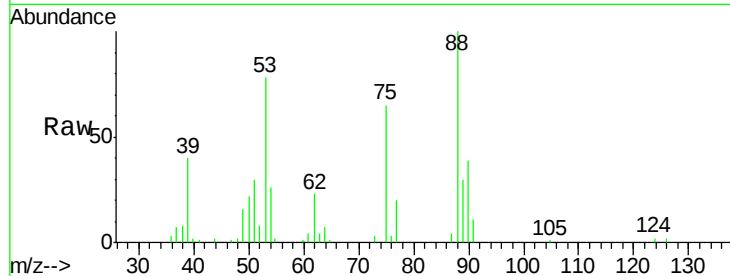




#81
trans-1,4-Dichloro-2-butene
Concen: 20.076 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

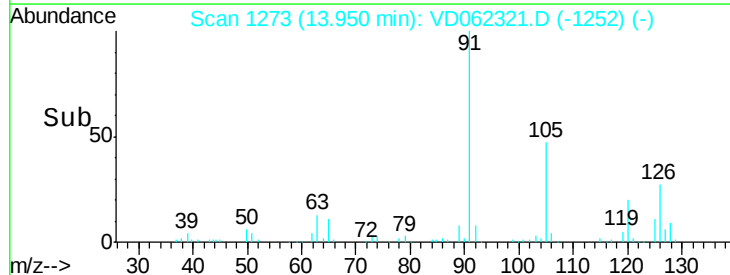
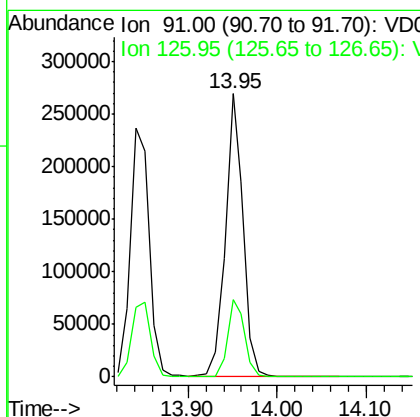
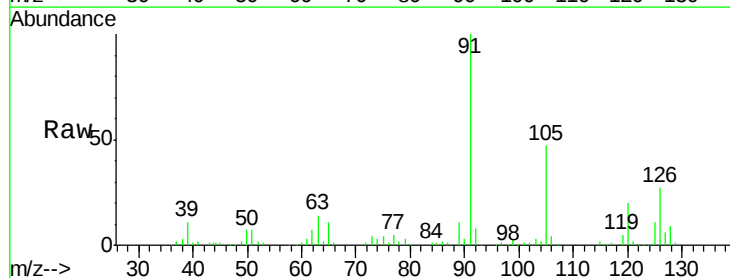
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

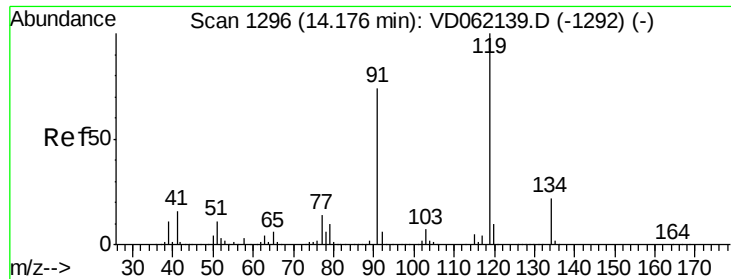
Tot Ion: 75 Resp: 23301
Ion Ratio Lower Upper
75 100
53 119.5 65.8 98.8#
89 45.4 35.0 52.6



#82
4-Chlorotoluene
Concen: 22.796 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 91 Resp: 380052
Ion Ratio Lower Upper
91 100
126 27.4 19.1 57.5

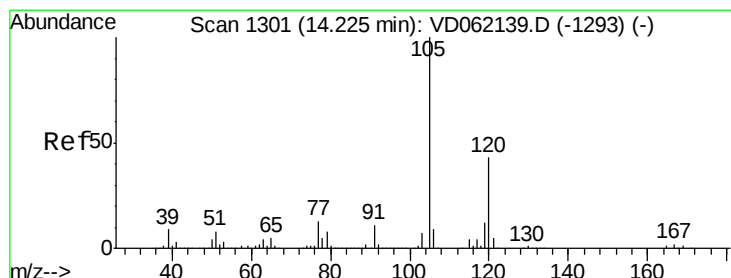
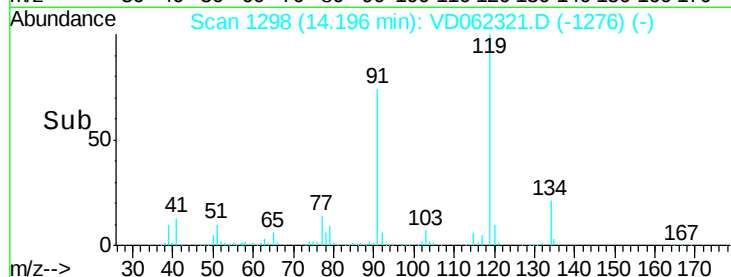
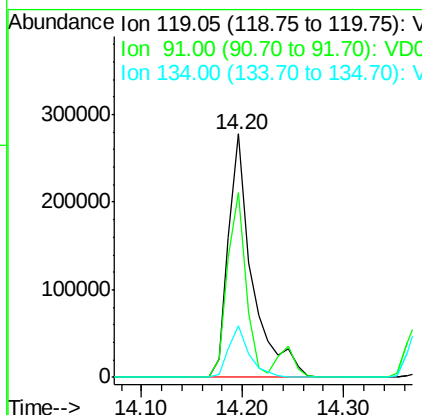
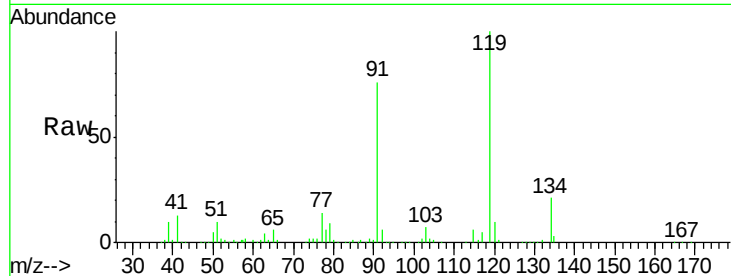




#83
 tert-Butylbenzene
 Concen: 23.249 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

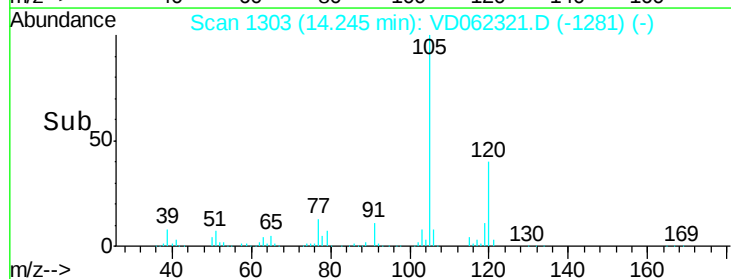
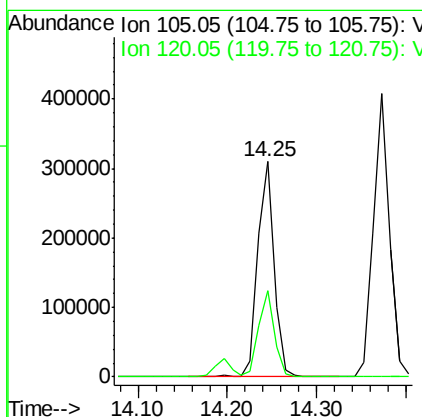
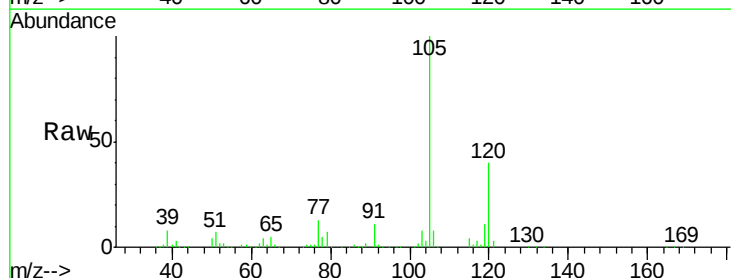
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

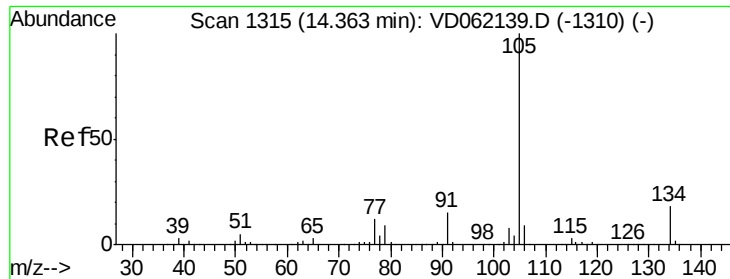
Tot Ion:119 Resp: 456326
 Ion Ratio Lower Upper
 119 100
 91 75.9 34.2 102.6
 134 21.2 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.304 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion:105 Resp: 390849
 Ion Ratio Lower Upper
 105 100
 120 39.9 23.1 69.2

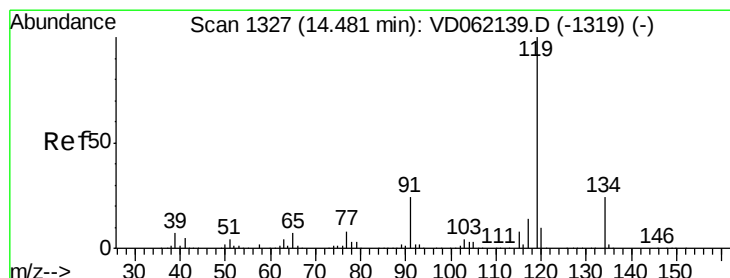
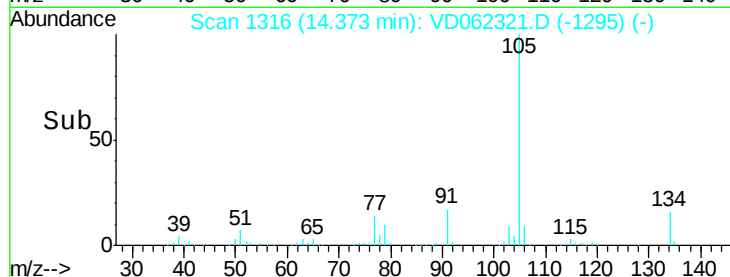
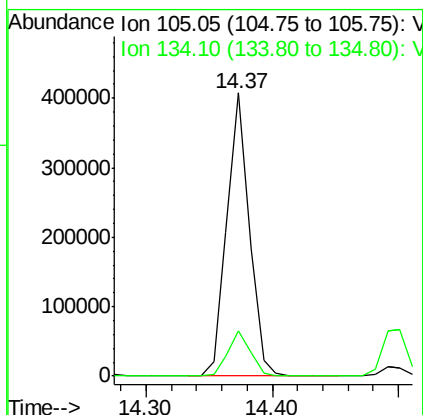
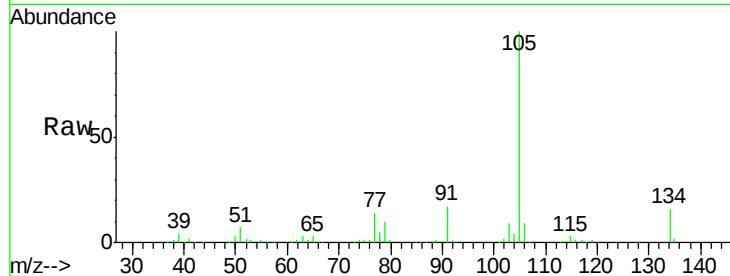




#85
 sec-Butylbenzene
 Concen: 23.287 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

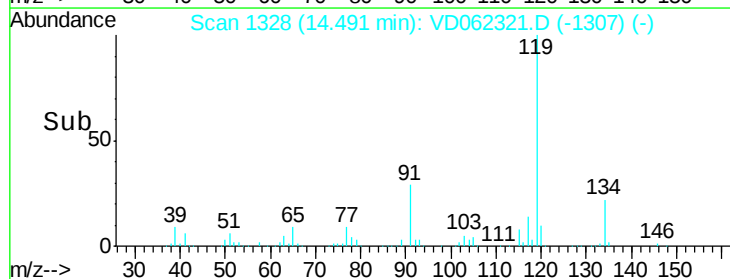
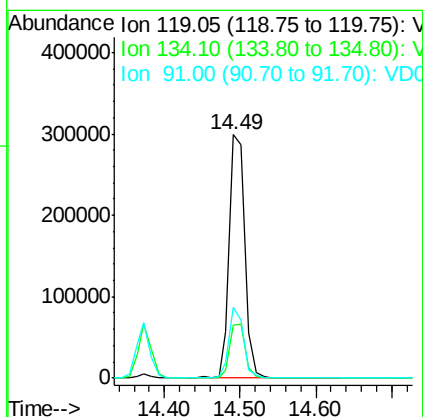
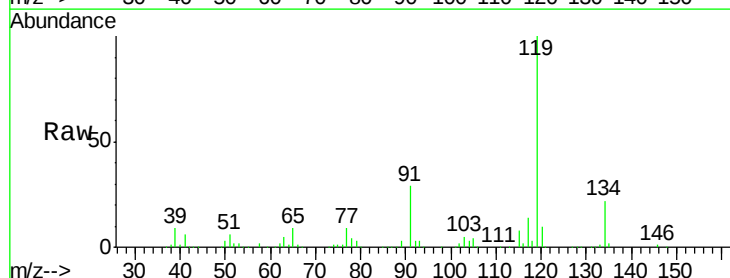
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

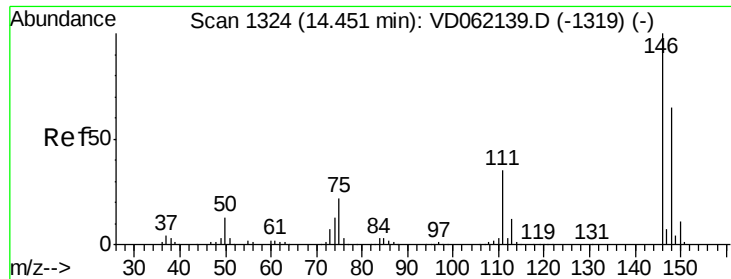
Tot Ion:105 Resp: 501127
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.977 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion:119 Resp: 422545
 Ion Ratio Lower Upper
 119 100
 134 21.8 12.8 38.3
 91 28.8 10.7 32.1

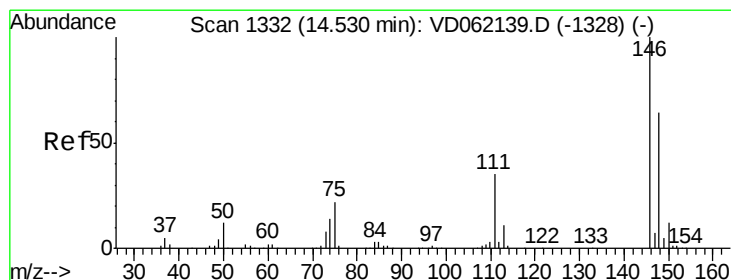
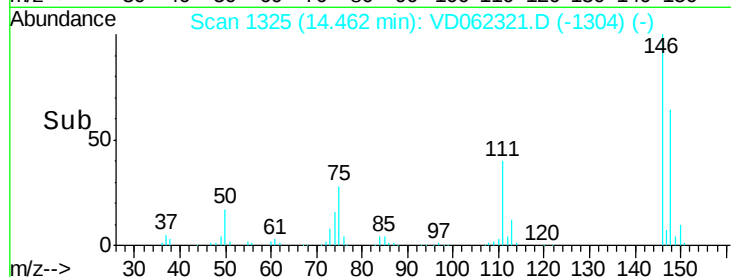
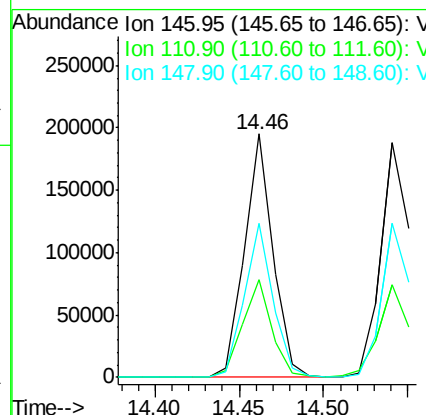
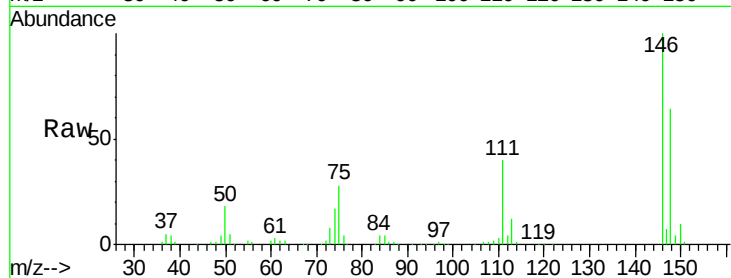




#87
 1,3-Dichlorobenzene
 Concen: 21.600 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

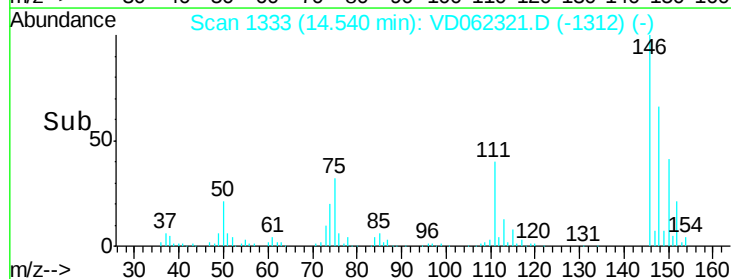
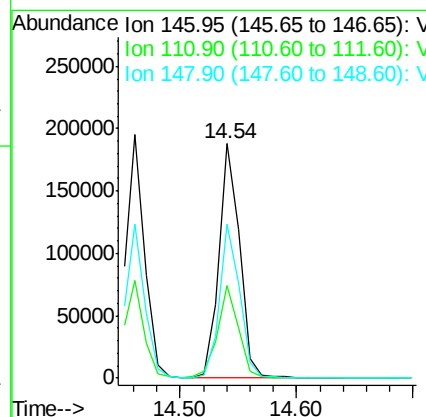
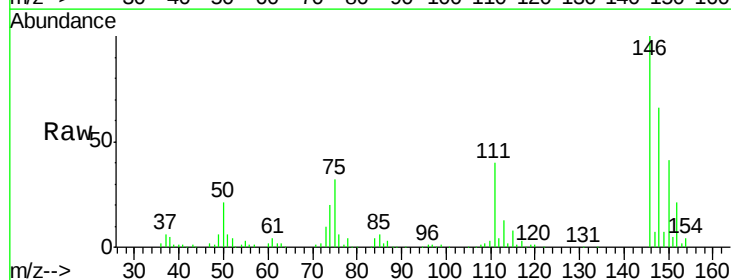
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion:146 Resp: 229062
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 63.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.097 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion:146 Resp: 230246
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.2 60.5
 148 66.0 32.0 96.2

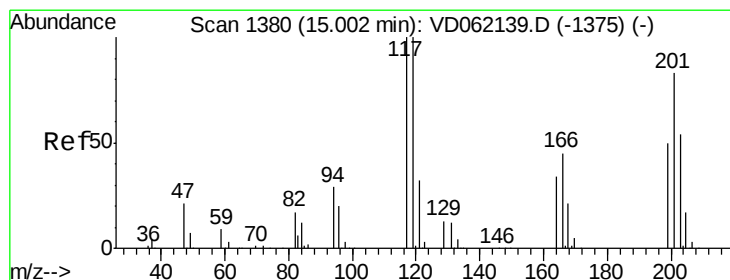
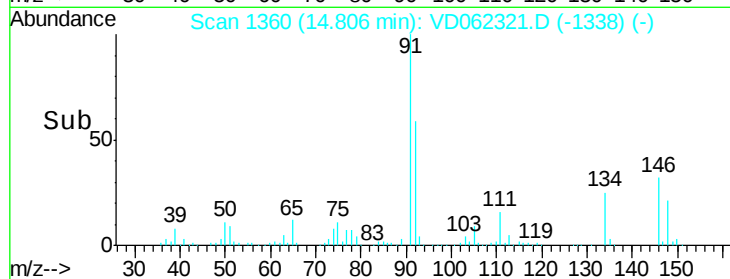
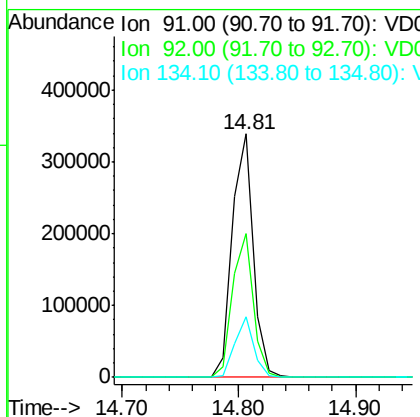
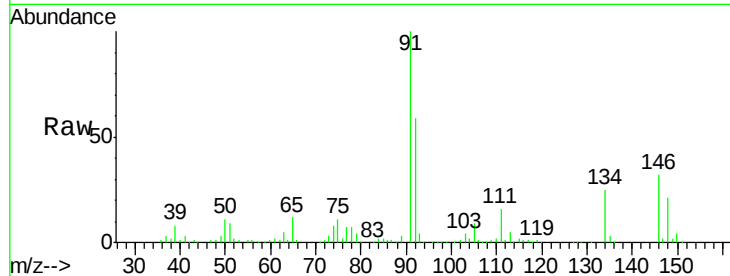




#89
n-Butylbenzene
Concen: 24.611 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

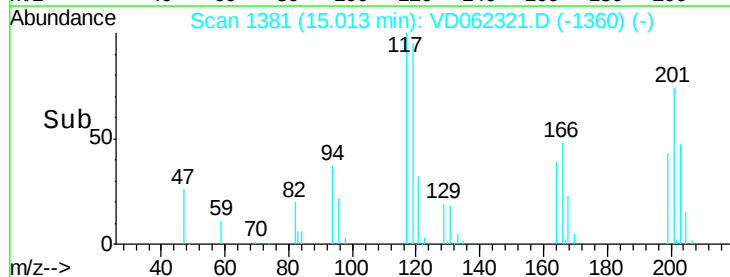
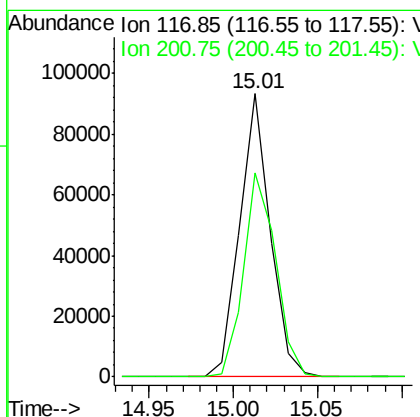
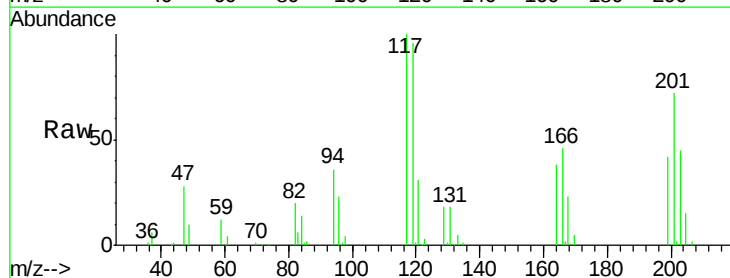
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

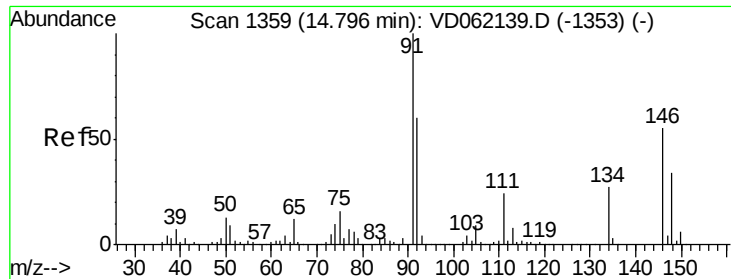
Tot Ion: 91 Resp: 424728
Ion Ratio Lower Upper
91 100
92 58.9 30.3 91.0
134 24.6 14.5 43.6



#90
Hexachloroethane
Concen: 22.310 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion: 117 Resp: 116649
Ion Ratio Lower Upper
117 100
201 71.9 30.2 90.6

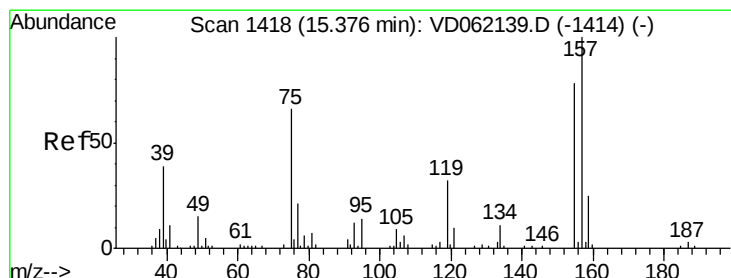
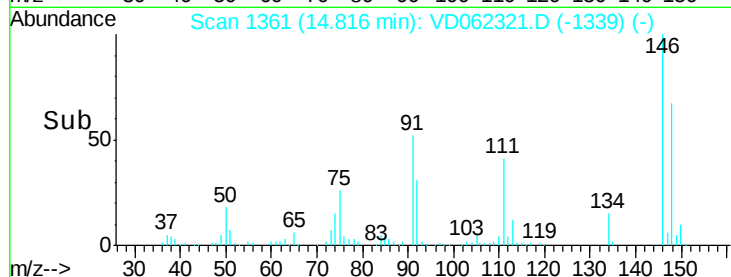
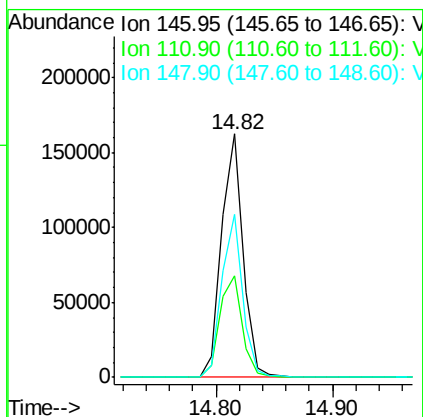
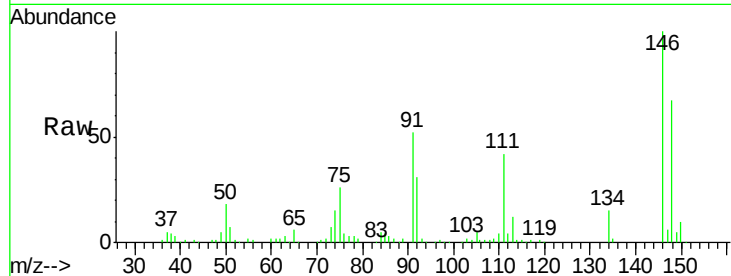




#91
 1,2-Dichlorobenzene
 Concen: 23.853 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

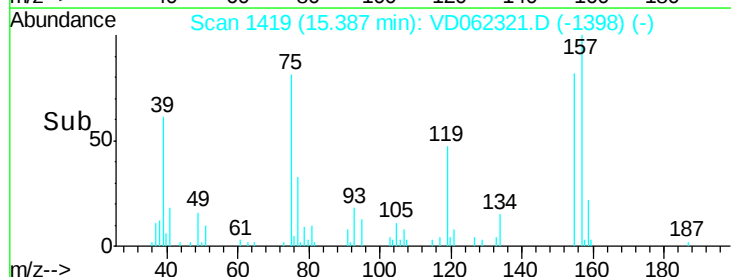
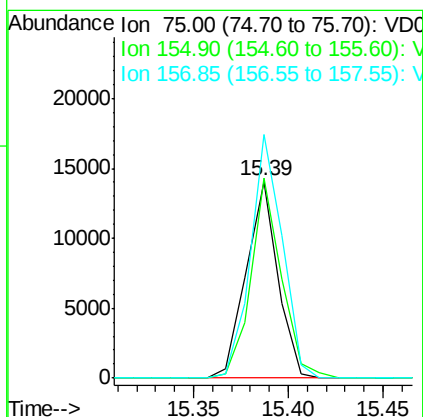
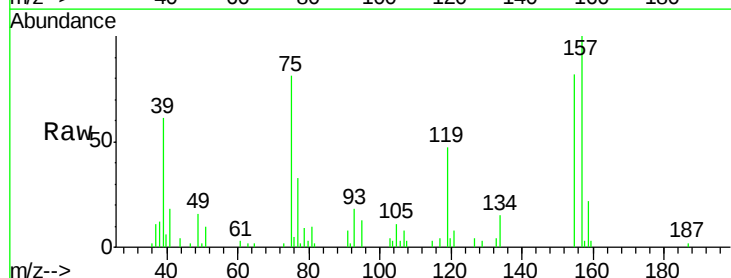
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

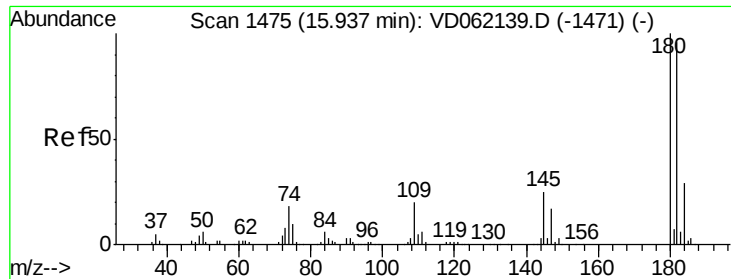
Tot Ion:146 Resp: 208323
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 59.9
 148 67.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.298 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion: 75 Resp: 16303
 Ion Ratio Lower Upper
 75 100
 155 101.7 55.3 165.8
 157 123.8 67.8 203.2

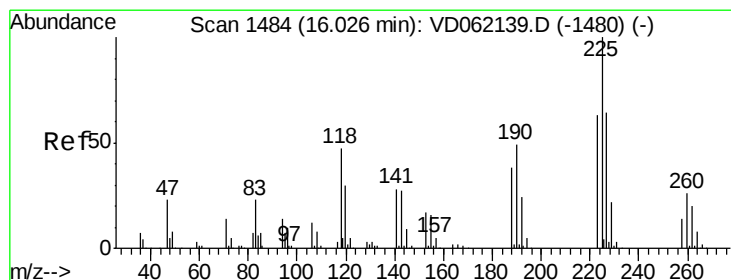
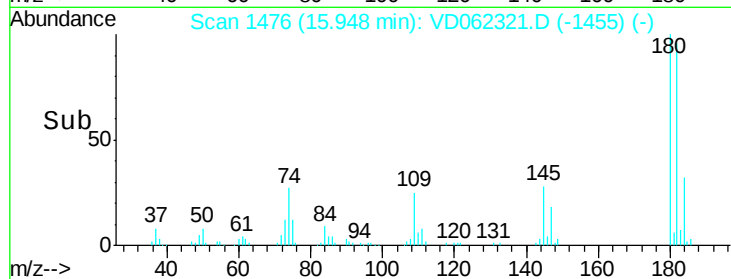
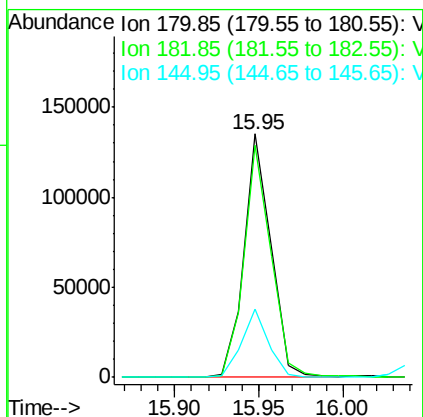
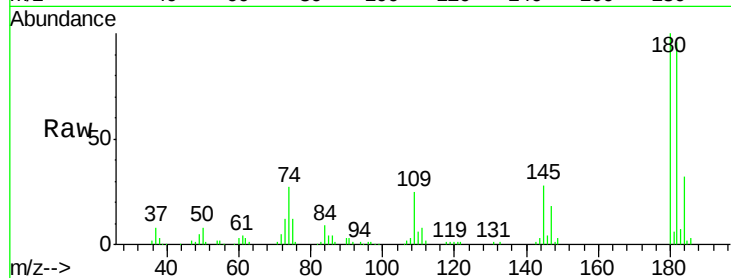




#93
 1,2,4-Trichlorobenzene
 Concen: 23.672 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

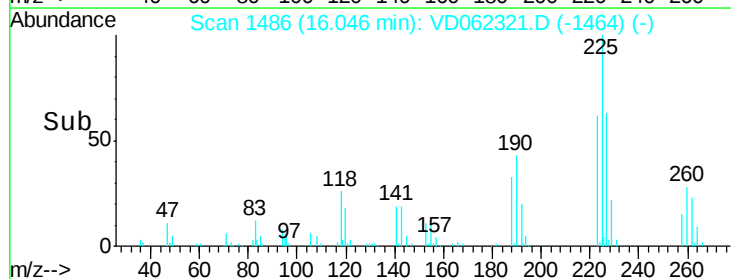
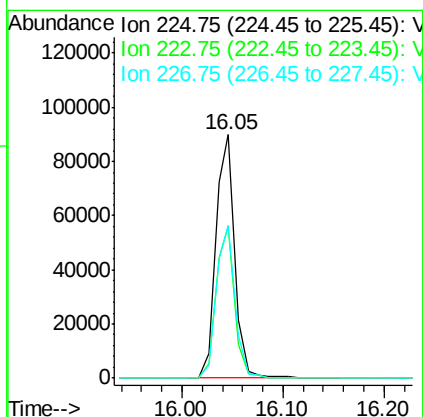
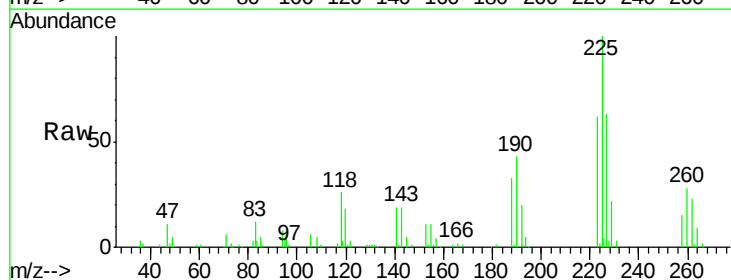
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

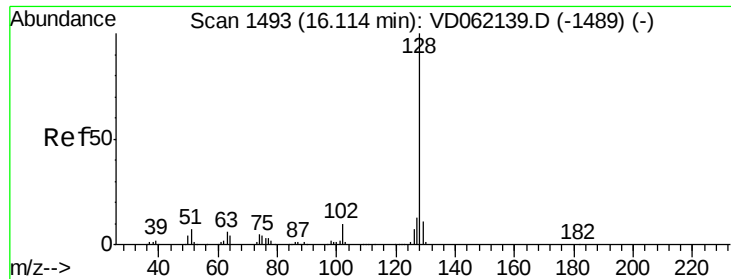
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	49.3	147.8
145	28.2	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 24.854 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062321.D
 Acq: 14 May 2019 00:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.6	92.0
227	62.6	32.0	96.2

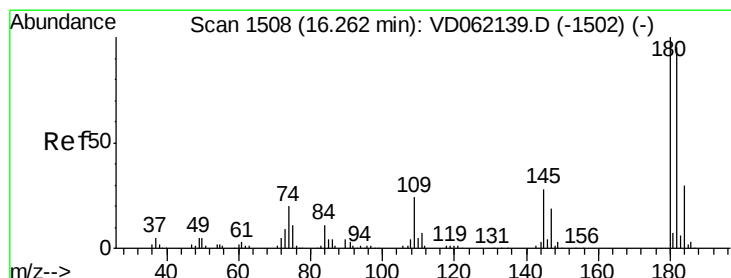
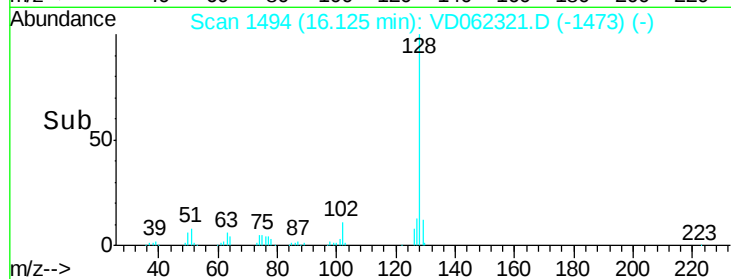
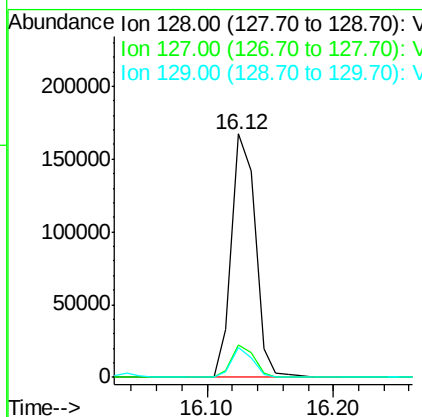
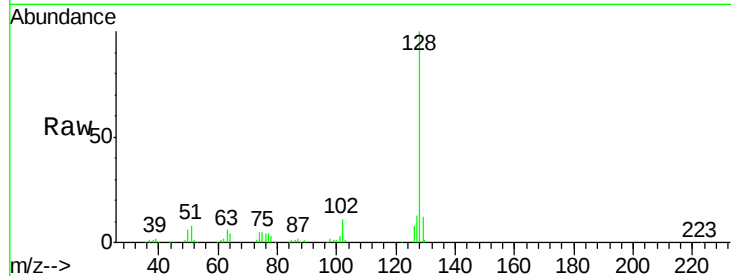




#95
Naphthalene
Concen: 24.625 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion:128 Resp: 218545
Ion Ratio Lower Upper
128 100
127 13.2 9.8 14.8
129 12.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 28.060 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062321.D
Acq: 14 May 2019 00:12

Tgt Ion:180 Resp: 112151
Ion Ratio Lower Upper
180 100
182 90.3 47.0 141.0
145 32.4 17.0 51.0

