

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061061.D
 Acq On : 14 Mar 2019 13:35
 Operator : VA/AP
 Sample : VD0314SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

Quant Time: Mar 15 02:11:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	714753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1158400	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	986502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	417831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	272117	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
35) Dibromofluoromethane	6.92	113	450242	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	10.41	98	1132865	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	13.55	95	430638	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	140487	19.843	ug/l	99
3) Chloromethane	1.76	50	119829	20.317	ug/l	97
4) Vinyl Chloride	1.85	62	109112	20.021	ug/l	97
5) Bromomethane	2.15	94	19387	17.377	ug/l	90
6) Chloroethane	2.27	64	32292	19.796	ug/l #	85
7) Trichlorofluoromethane	2.53	101	145400	18.572	ug/l	98
8) Diethyl Ether	2.88	74	51887	20.090	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	173235	19.792	ug/l	96
10) Methyl Iodide	3.31	142	211130	19.421	ug/l	99
11) Tert butyl alcohol	4.06	59	35115	92.711	ug/l	97
12) 1,1-Dichloroethene	3.13	96	142987	19.929	ug/l	94
13) Acrolein	3.04	56	44138	80.540	ug/l	99
14) Allyl chloride	3.63	41	228507	19.906	ug/l	99
15) Acrylonitrile	4.20	53	139823	104.451	ug/l	100
16) Acetone	3.22	43	160130	94.122	ug/l	96
17) Carbon Disulfide	3.38	76	452135	18.681	ug/l	100
18) Methyl Acetate	3.64	43	60653	18.115	ug/l #	91
19) Methyl tert-butyl Ether	4.24	73	265664	21.129	ug/l	97
20) Methylene Chloride	3.81	84	178146	20.184	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	165393	21.298	ug/l	96
22) Diisopropyl ether	5.12	45	471499	19.786	ug/l	98
23) Vinyl Acetate	5.05	43	1276161	104.320	ug/l	98
24) 1,1-Dichloroethane	4.98	63	271118	20.765	ug/l	99
25) 2-Butanone	6.07	43	200957	104.095	ug/l	100
26) 2,2-Dichloropropane	6.03	77	202445	19.862	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	171758	20.846	ug/l	98
28) Bromochloromethane	6.44	49	100269	18.140	ug/l	93
29) Tetrahydrofuran	6.46	42	99547	94.963	ug/l	99
30) Chloroform	6.67	83	273327	20.198	ug/l	100
31) Cyclohexane	6.95	56	221995	21.086	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	232584	19.880	ug/l	95
36) 1,1-Dichloropropene	7.15	75	197707	19.800	ug/l	97
37) Ethyl Acetate	6.19	43	93792	20.017	ug/l	100
38) Carbon Tetrachloride	7.12	117	211306	19.211	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061061.D
 Acq On : 14 Mar 2019 13:35
 Operator : VA/AP
 Sample : VD0314SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0314SBS01

Quant Time: Mar 15 02:11:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	219175	21.168	ug/l	98
40) Benzene	7.46	78	503098	20.164	ug/l	99
41) Methacrylonitrile	6.44	41	109543	20.325	ug/l	93
42) 1,2-Dichloroethane	7.57	62	153300	21.172	ug/l	99
43) Isopropyl Acetate	9.24	43	133222	20.528	ug/l #	96
44) Trichloroethene	8.54	130	192437	22.356	ug/l	98
45) 1,2-Dichloropropane	8.94	63	139103	21.221	ug/l	100
46) Dibromomethane	9.06	93	86231	20.738	ug/l	99
47) Bromodichloromethane	9.38	83	194008	20.676	ug/l	97
48) Methyl methacrylate	9.12	41	80573	22.050	ug/l	97
49) 1,4-Dioxane	9.08	88	14892	403.042	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	420022	105.642	ug/l	96
52) Toluene	10.51	92	318126	20.504	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	178267	20.778	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	198088	19.215	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	104243	20.175	ug/l	99
56) Ethyl methacrylate	11.04	69	106845	19.756	ug/l	96
57) 1,3-Dichloropropane	11.40	76	161525	20.919	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	287668	100.488	ug/l	98
59) 2-Hexanone	11.53	43	287059	98.702	ug/l	97
60) Dibromochloromethane	11.68	129	152537	20.060	ug/l	99
61) 1,2-Dibromoethane	11.81	107	122769	20.425	ug/l	98
64) Tetrachloroethene	11.26	164	138674	20.824	ug/l	98
65) Chlorobenzene	12.40	112	405606	20.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	156303	22.673	ug/l	99
67) Ethyl Benzene	12.53	91	643627	22.354	ug/l	100
68) m/p-Xylenes	12.66	106	465423	41.186	ug/l	96
69) o-Xylene	13.05	106	234824	21.140	ug/l	98
70) Styrene	13.07	104	386384	21.302	ug/l	100
71) Bromoform	13.23	173	91830	20.649	ug/l	97
73) Isopropylbenzene	13.40	105	627192	20.829	ug/l	100
74) N-amyl acetate	13.26	43	155144	18.298	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	114259	19.448	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	111913	18.617	ug/l	99
77) Bromobenzene	13.67	156	162961	21.200	ug/l	92
78) n-propylbenzene	13.78	91	743938	21.103	ug/l	96
79) 2-Chlorotoluene	13.83	91	441572	22.752	ug/l	96
80) 1,3,5-Trimethylbenzene	14.24	105	479249	20.964	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	34874	19.678	ug/l	96
82) 4-Chlorotoluene	13.94	91	462135	20.142	ug/l	97
83) tert-Butylbenzene	14.19	119	587029	23.465	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	479249	20.964	ug/l	98
85) sec-Butylbenzene	14.37	105	670139	21.942	ug/l	98
86) p-Isopropyltoluene	14.49	119	549468	22.010	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	298248	21.729	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	282750	20.963	ug/l	96
89) n-Butylbenzene	14.80	91	489965	20.437	ug/l	97
90) Hexachloroethane	15.01	117	146500	20.782	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	247150	21.599	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13698	19.348	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061061.D
 Acq On : 14 Mar 2019 13:35
 Operator : VA/AP
 Sample : VD0314SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Quant Time: Mar 15 02:11:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

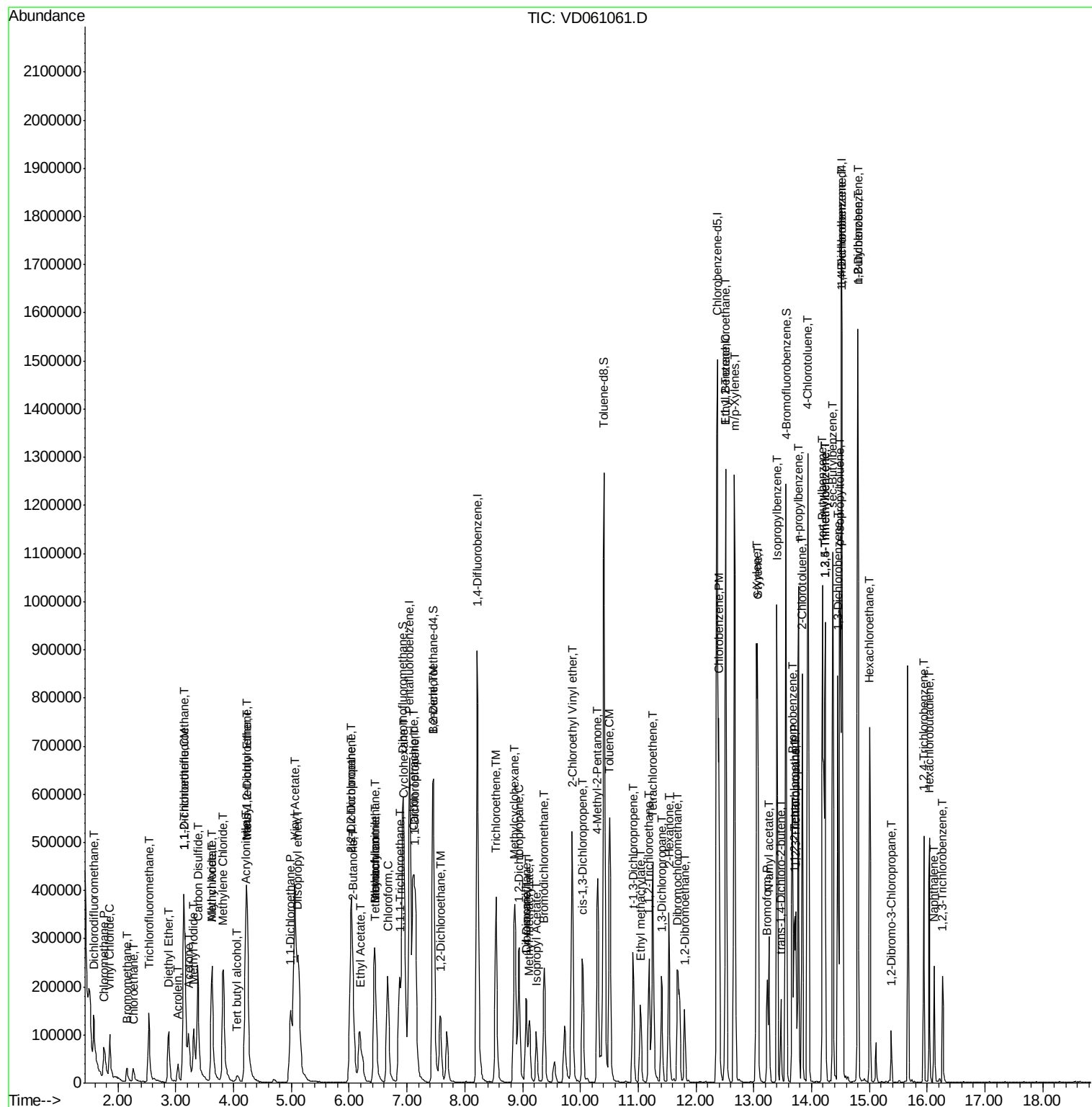
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	119752	22.560	ug/l	98
94) Hexachlorobutadiene	16.04	225	87708	21.845	ug/l	99
95) Naphthalene	16.12	128	167382	20.750	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	57947	22.102	ug/l	96

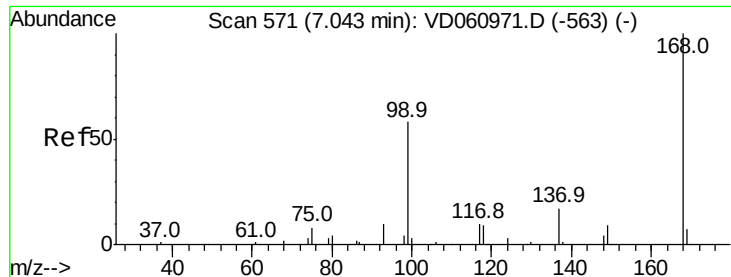
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061061.D
 Acq On : 14 Mar 2019 13:35
 Operator : VA/AP
 Sample : VD0314SBS01
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0314SBS01

Quant Time: Mar 15 02:11:02 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

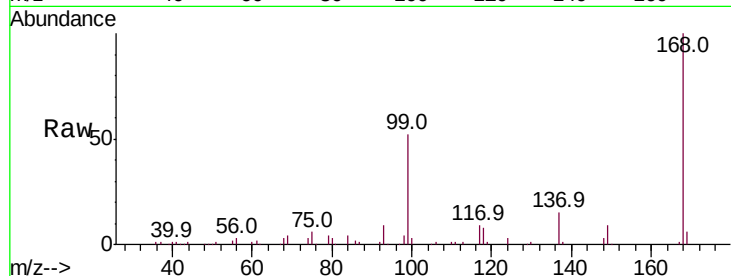
VD0314SBSD01

Tot Ion:168 Resp: 714753

Ion Ratio Lower Upper

168 100

99 52.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

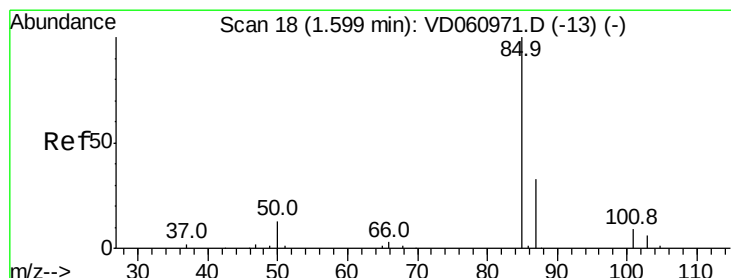
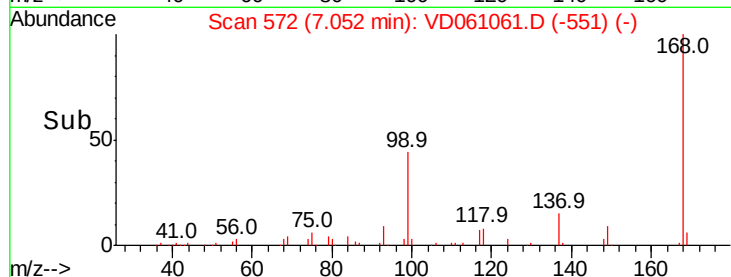
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.843 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061061.D

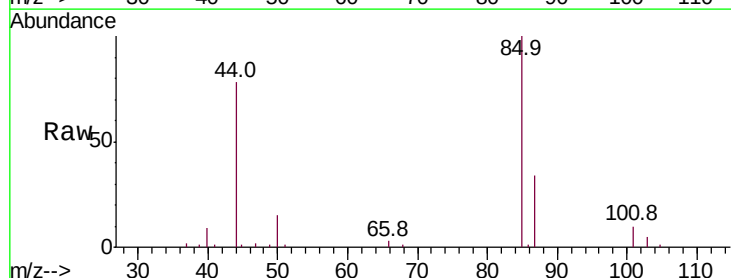
Acq: 14 Mar 2019 13:35

Tgt Ion: 85 Resp: 140487

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

60000

50000

40000

30000

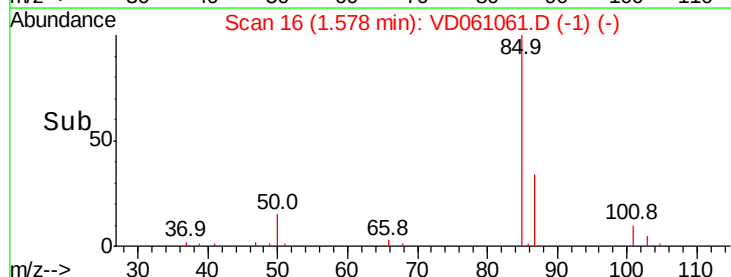
20000

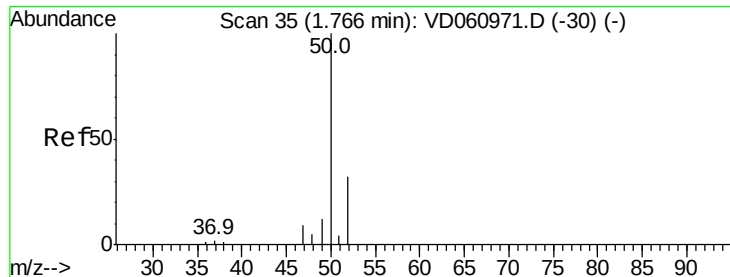
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.317 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

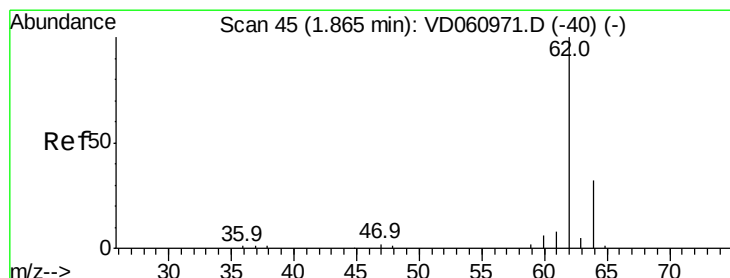
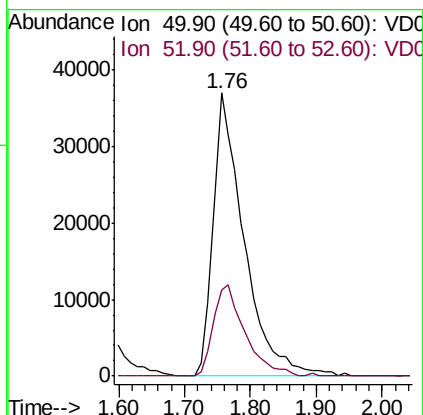
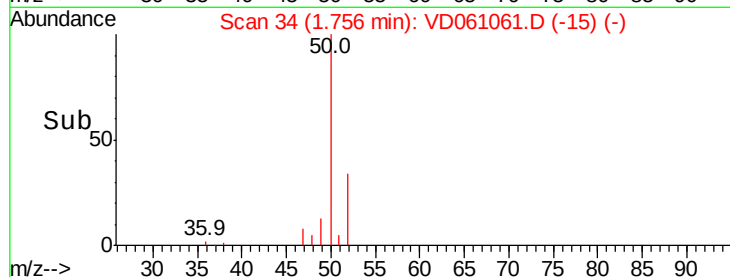
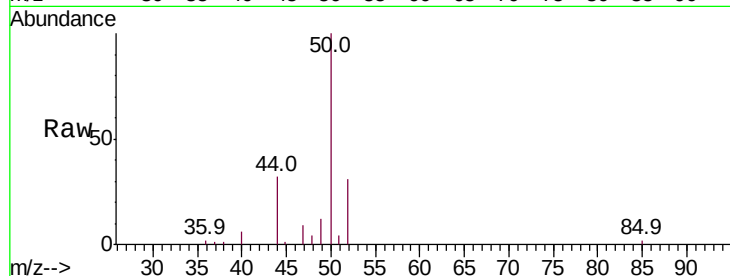
VD0314SBSD01

Tot Ion: 50 Resp: 119829

Ion Ratio Lower Upper

50 100

52 30.6 25.8 38.8



#4

Vinyl Chloride

Concen: 20.021 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061061.D

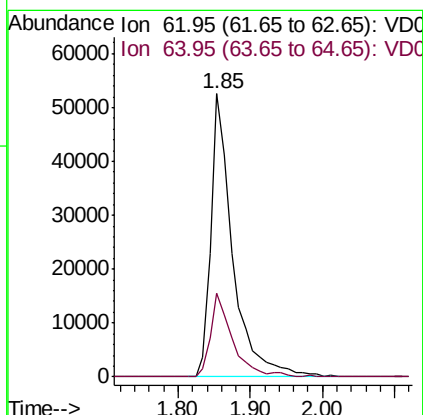
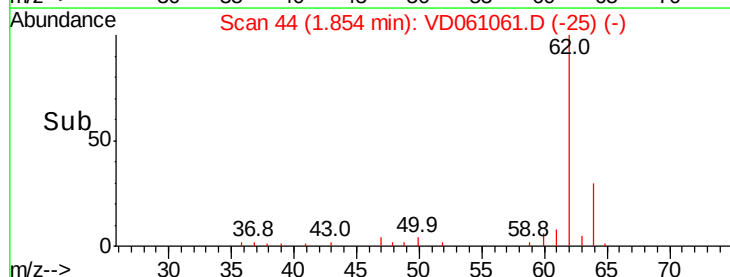
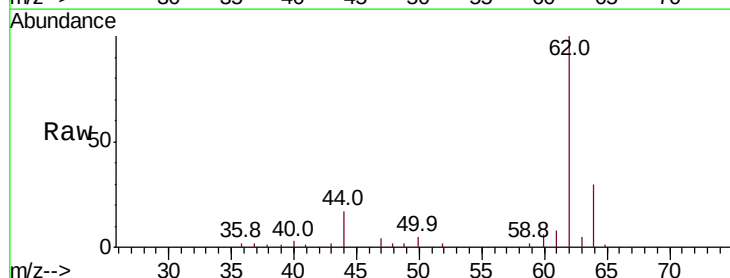
Acq: 14 Mar 2019 13:35

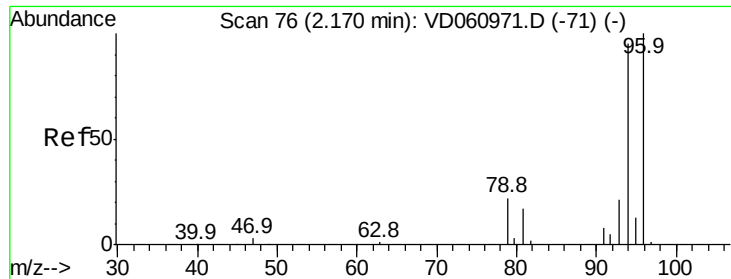
Tgt Ion: 62 Resp: 109112

Ion Ratio Lower Upper

62 100

64 29.7 25.2 37.8





#5

Bromomethane

Concen: 17.377 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

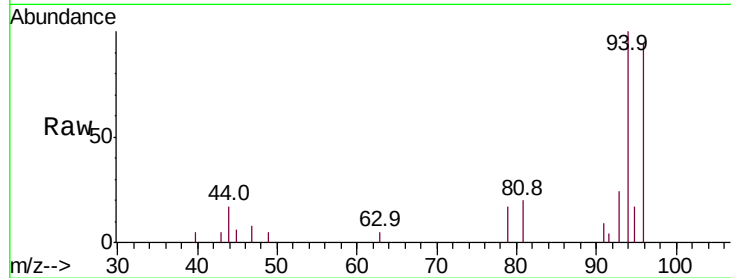
Tot Ion: 94 Resp: 19387

Ion Ratio Lower Upper

94 100

96 93.8 84.0 126.0

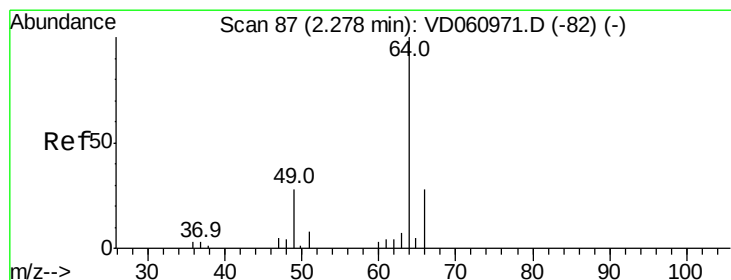
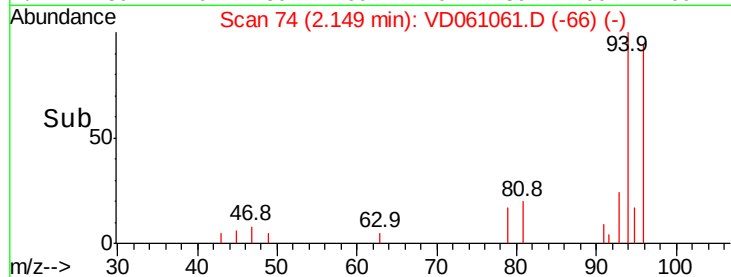
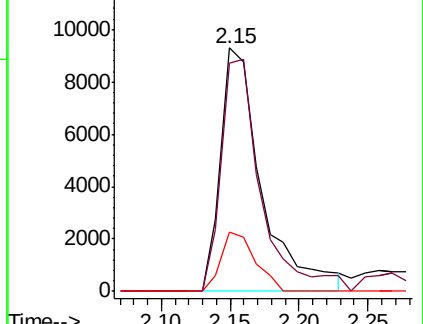
93 24.2 17.3 25.9



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: 19.796 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061061.D

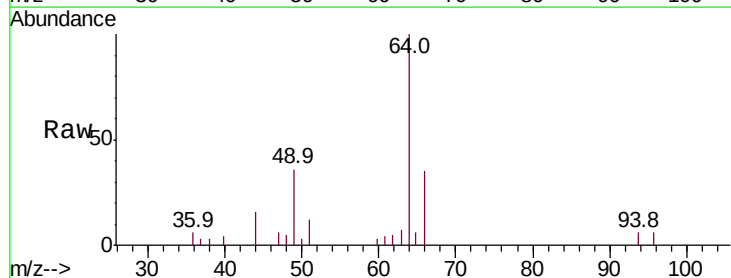
Acq: 14 Mar 2019 13:35

Tgt Ion: 64 Resp: 32292

Ion Ratio Lower Upper

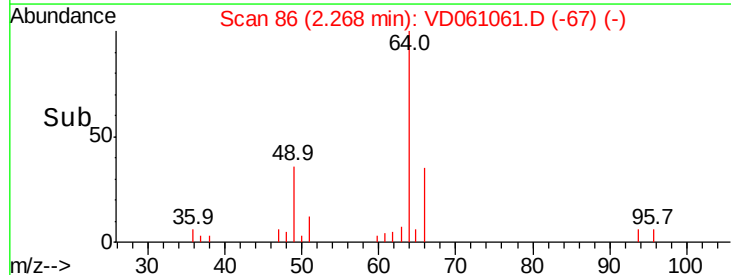
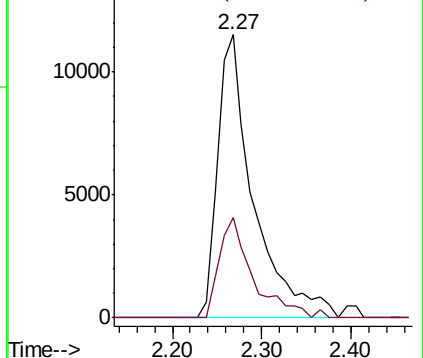
64 100

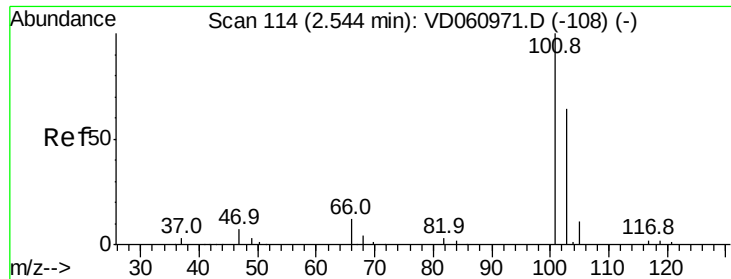
66 35.4 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



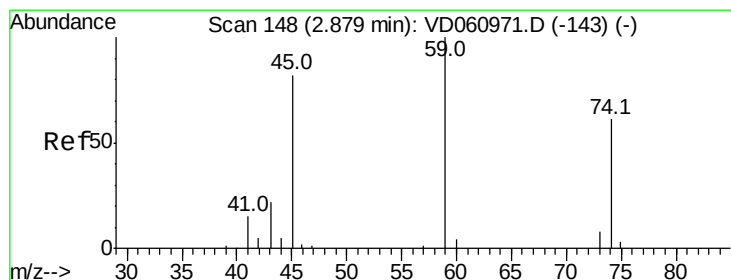
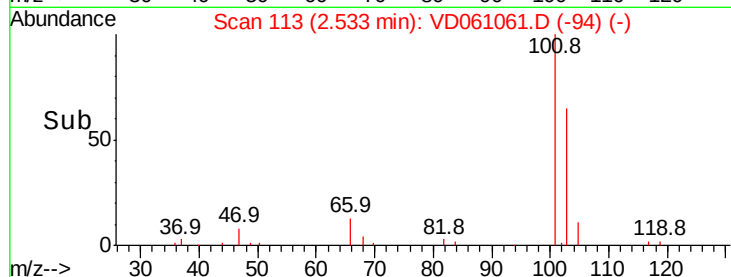
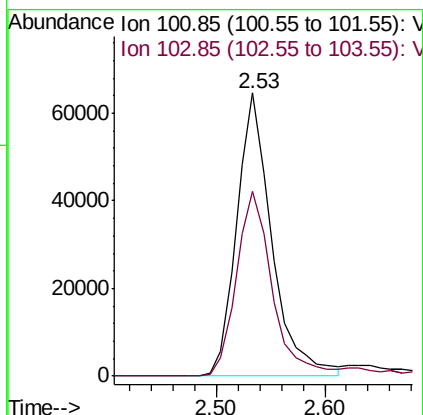
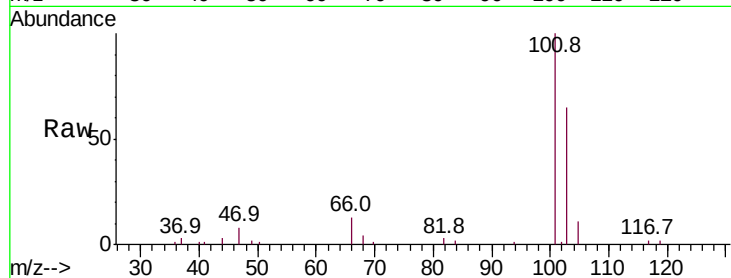


#7

Trichlorofluoromethane
 Concen: 18.572 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

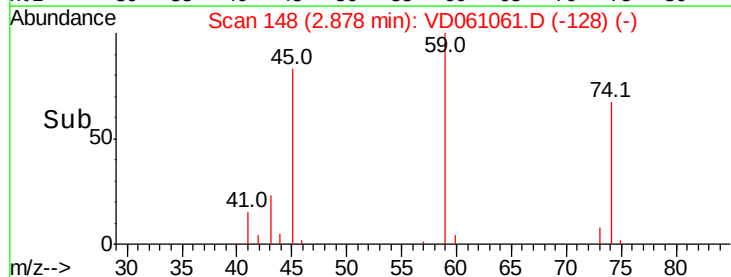
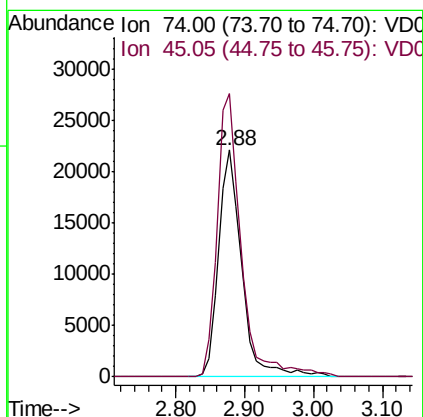
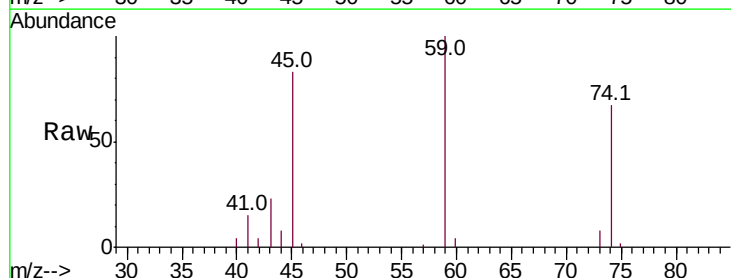
Tot Ion:101 Resp: 145400
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8

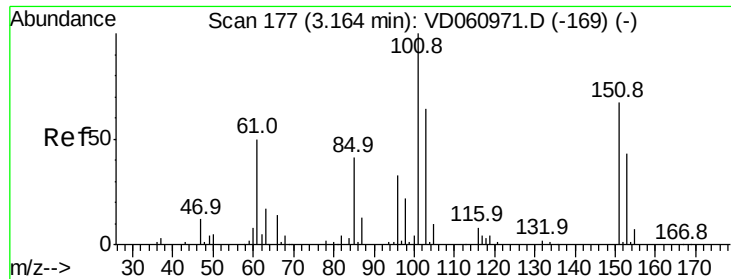


#8

Diethyl Ether
 Concen: 20.090 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 74 Resp: 51887
 Ion Ratio Lower Upper
 74 100
 45 124.7 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.792 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

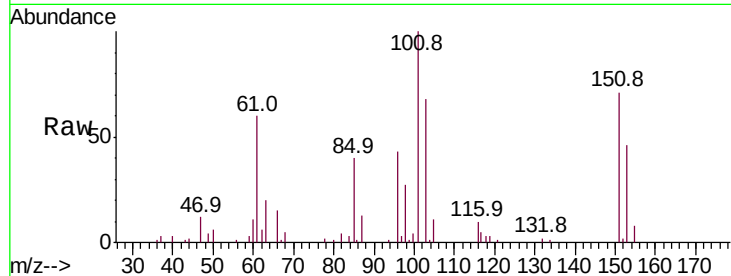
Tot Ion:101 Resp: 173235

Ion Ratio Lower Upper

101 100

85 39.9 32.5 48.7

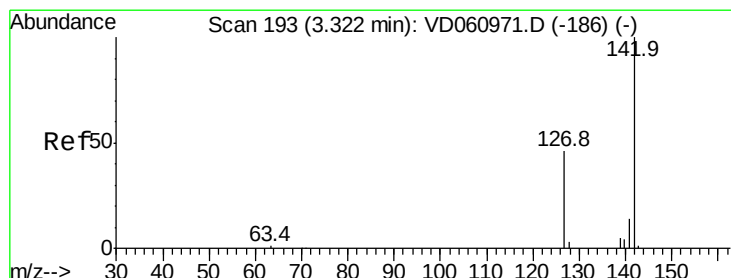
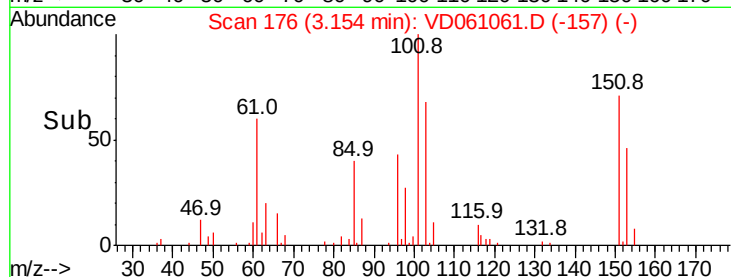
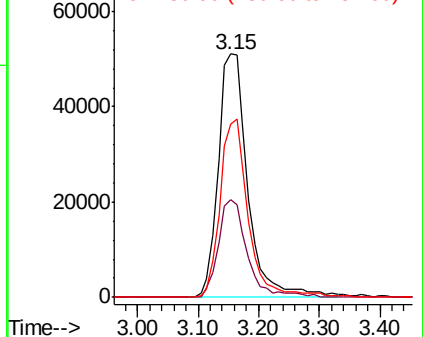
151 71.2 53.3 79.9



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: 19.421 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

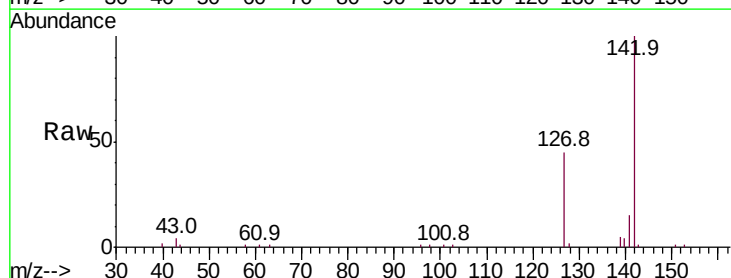
Tgt Ion:142 Resp: 211130

Ion Ratio Lower Upper

142 100

127 45.2 36.8 55.2

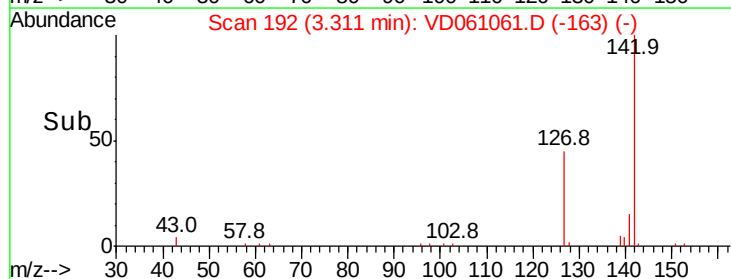
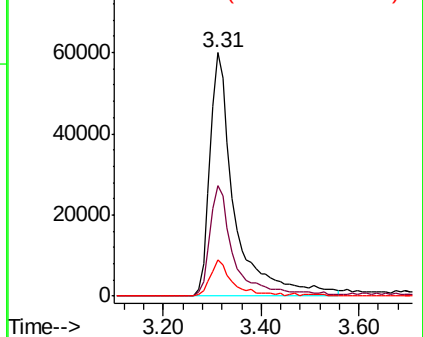
141 14.8 11.2 16.8

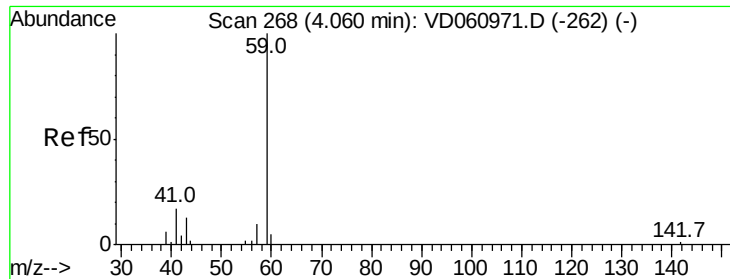


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

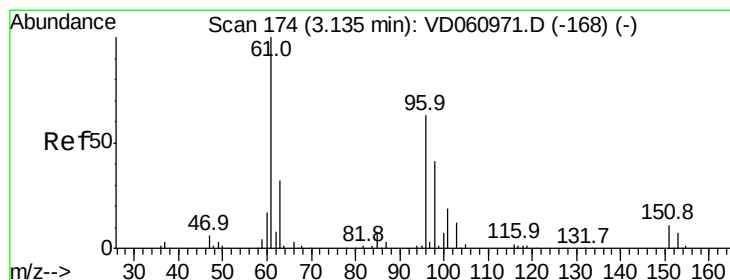
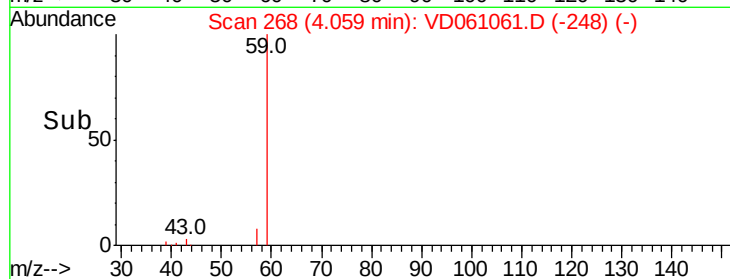
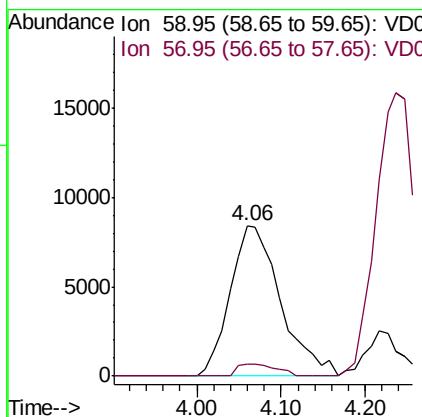
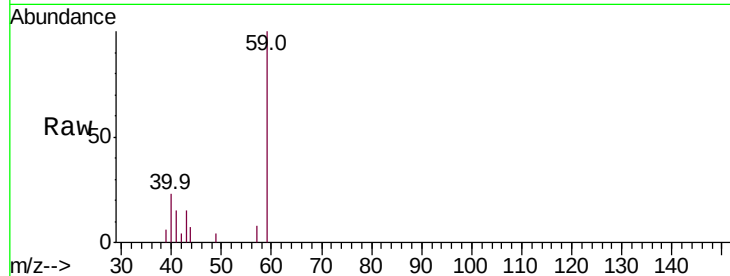




#11
Tert butyl alcohol
Concen: 92.711 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

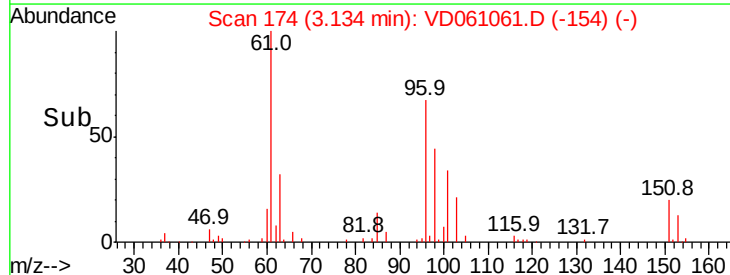
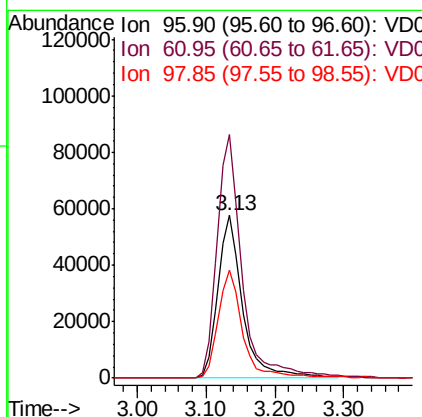
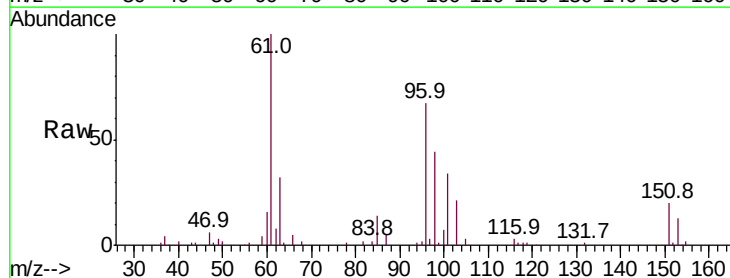
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

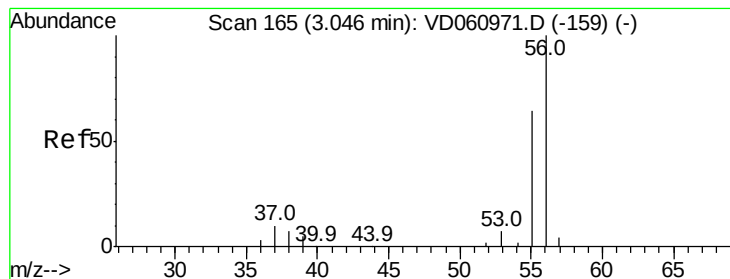
Tot Ion: 59 Resp: 35115
Ion Ratio Lower Upper
59 100
57 7.9 7.1 10.7



#12
1,1-Dichloroethene
Concen: 19.929 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 96 Resp: 142987
Ion Ratio Lower Upper
96 100
61 149.4 127.1 190.7
98 65.9 51.5 77.3





#13

Acrolein

Concen: 80.540 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

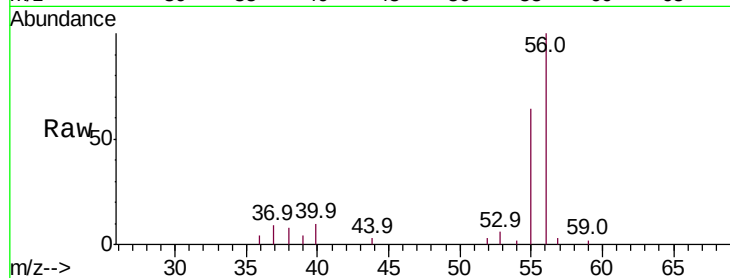
VD0314SBSD01

Tot Ion: 56 Resp: 44138

Ion Ratio Lower Upper

56 100

55 63.6 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

5000

0

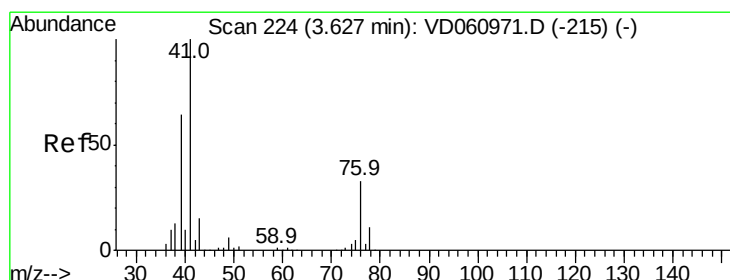
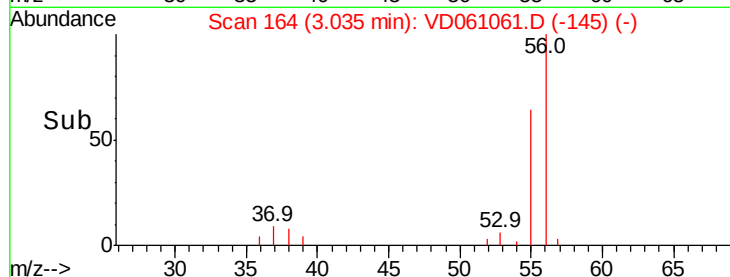
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 19.906 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

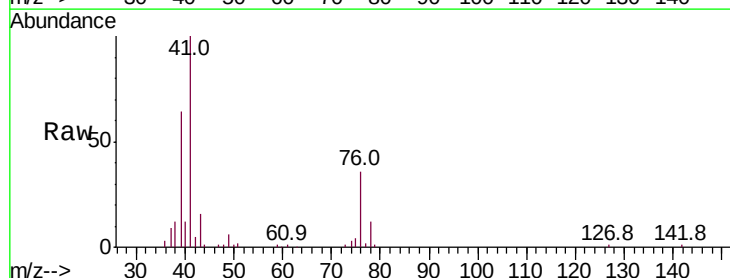
Tgt Ion: 41 Resp: 228507

Ion Ratio Lower Upper

41 100

39 63.6 51.1 76.7

76 35.5 29.1 43.7



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

100000

80000

60000

40000

20000

0

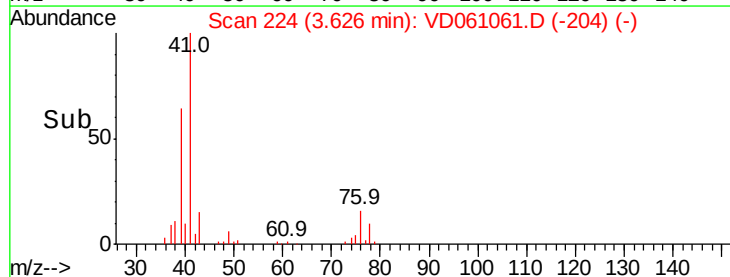
Time-->

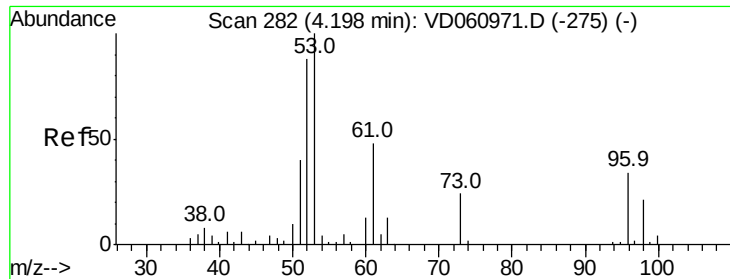
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 104.451 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

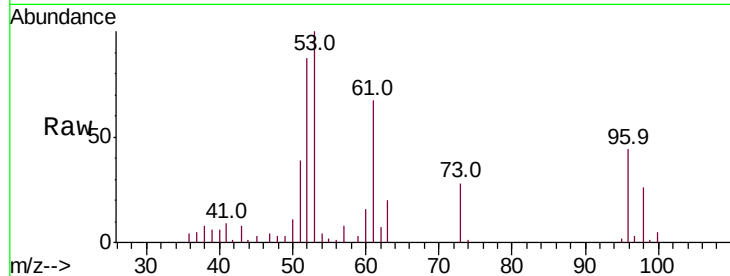
Tot Ion: 53 Resp: 139823

Ion Ratio Lower Upper

53 100

52 87.4 70.2 105.4

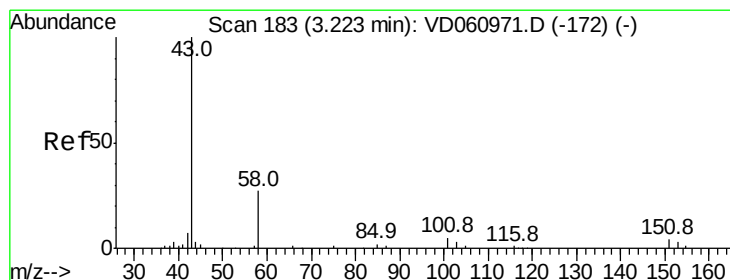
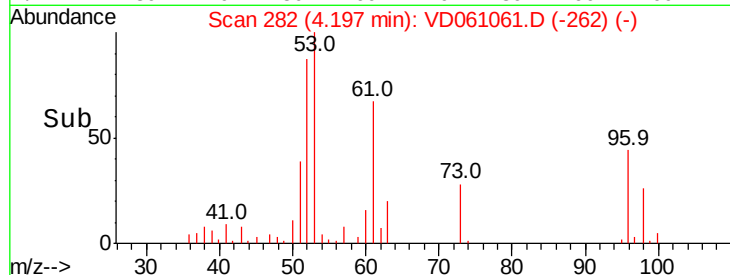
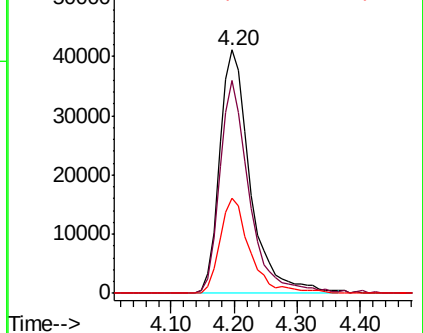
51 39.2 31.7 47.5



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: 94.122 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061061.D

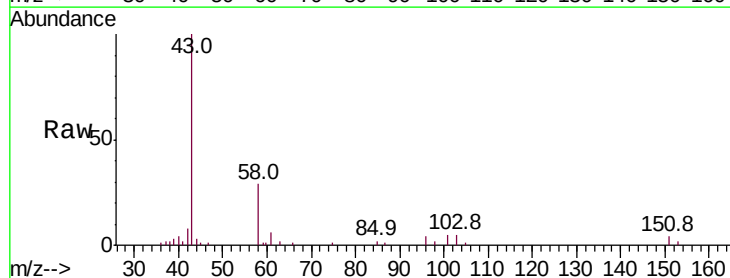
Acq: 14 Mar 2019 13:35

Tgt Ion: 43 Resp: 160130

Ion Ratio Lower Upper

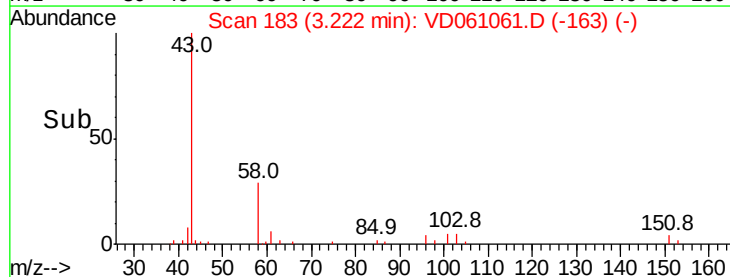
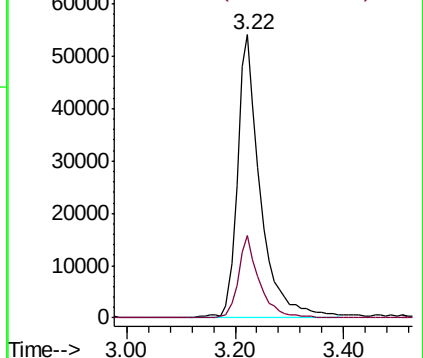
43 100

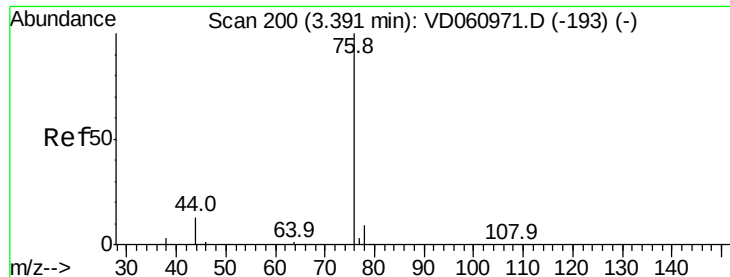
58 28.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

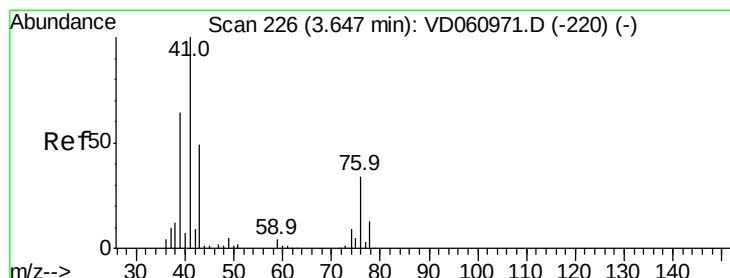
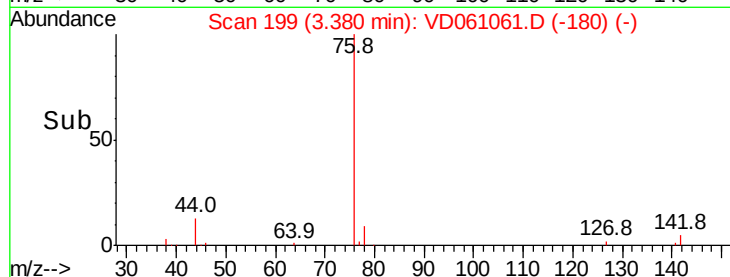
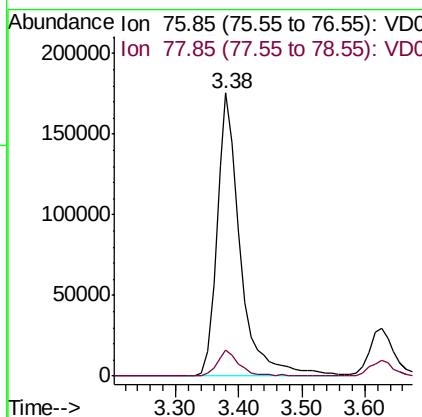
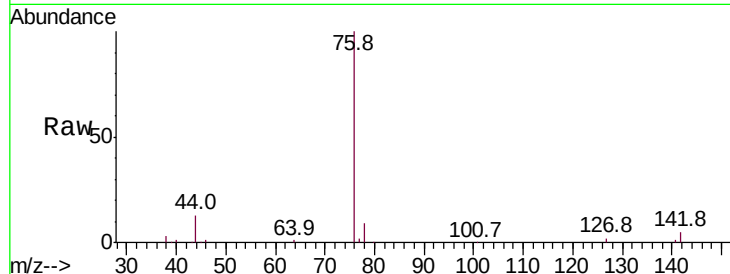




#17
Carbon Disulfide
Concen: 18.681 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

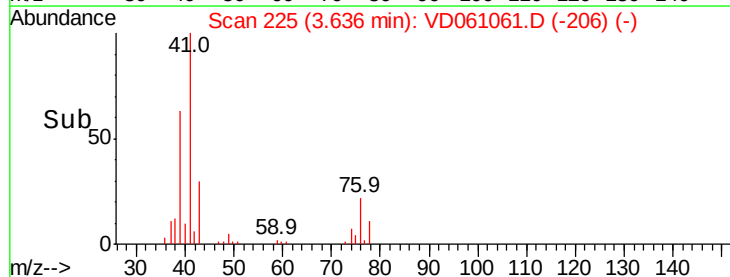
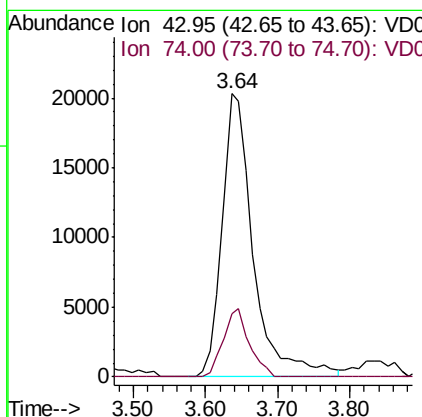
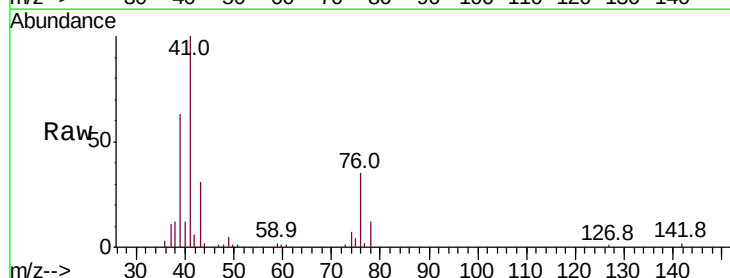
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

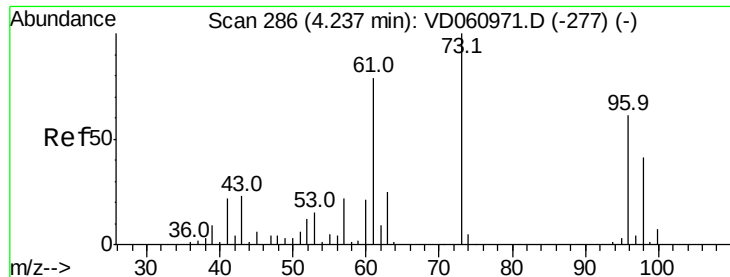
Tot Ion: 76 Resp: 452135
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 18.115 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 43 Resp: 60653
Ion Ratio Lower Upper
43 100
74 22.2 14.6 21.8#

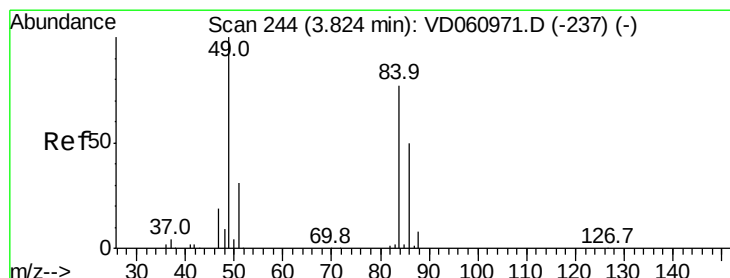
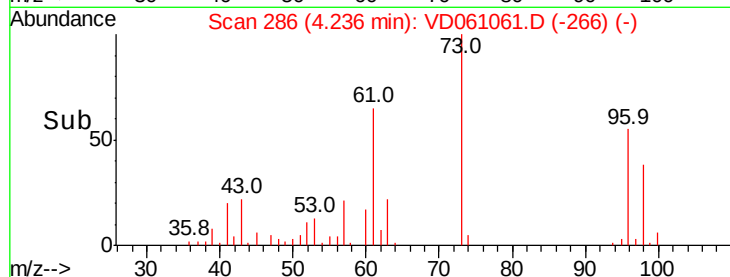
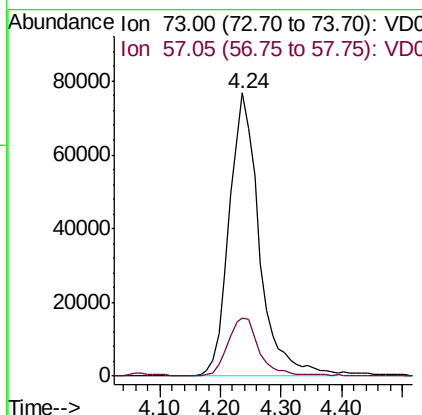
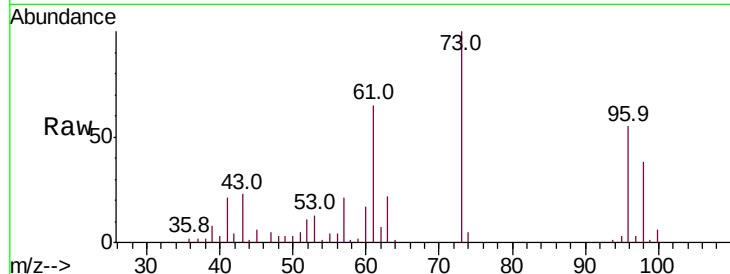




#19
Methyl tert-butyl Ether
Concen: 21.129 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

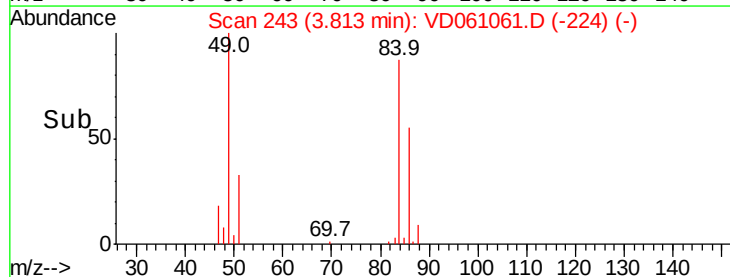
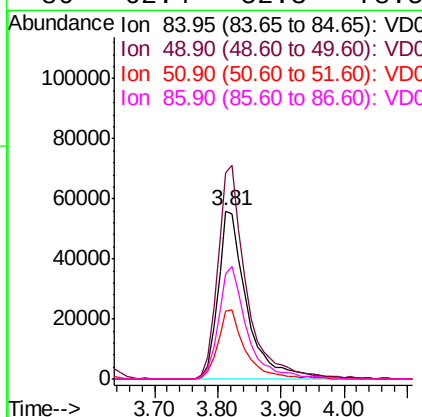
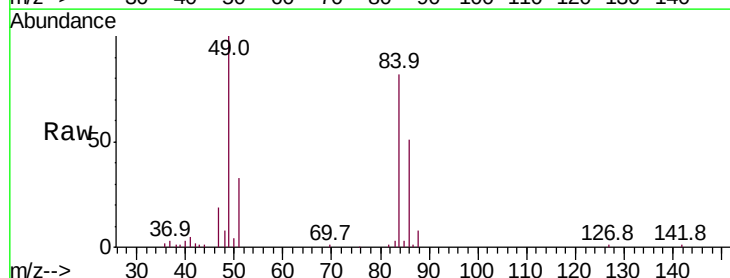
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

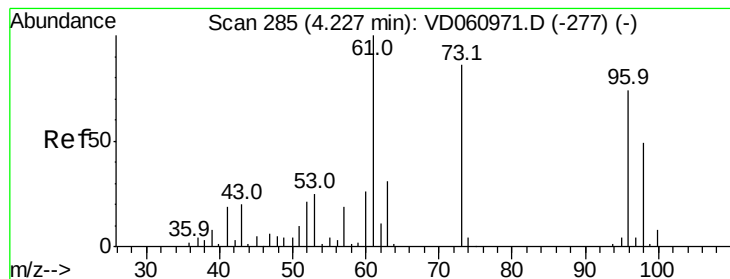
Tot Ion: 73 Resp: 265664
Ion Ratio Lower Upper
73 100
57 20.6 17.7 26.5



#20
Methylene Chloride
Concen: 20.184 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 84 Resp: 178146
Ion Ratio Lower Upper
84 100
49 122.6 104.2 156.2
51 40.3 32.3 48.5
86 62.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.298 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

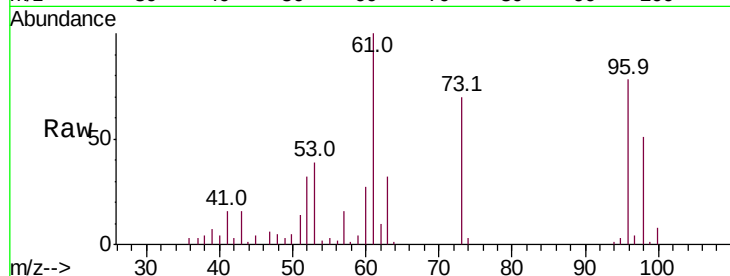
Tot Ion: 96 Resp: 165393

Ion Ratio Lower Upper

96 100

61 128.8 108.4 162.6

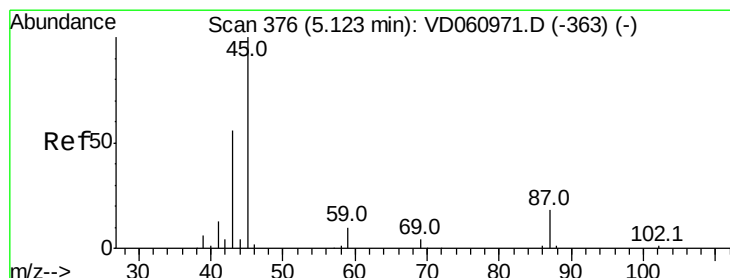
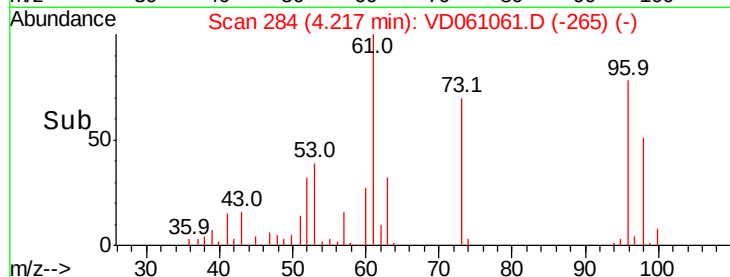
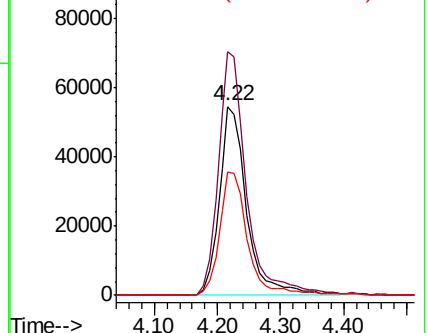
98 65.5 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.786 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Tgt Ion: 45 Resp: 471499

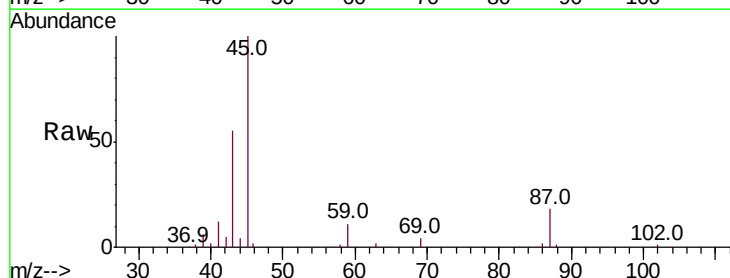
Ion Ratio Lower Upper

45 100

43 55.3 45.8 68.8

87 18.3 14.9 22.3

59 11.0 8.0 12.0

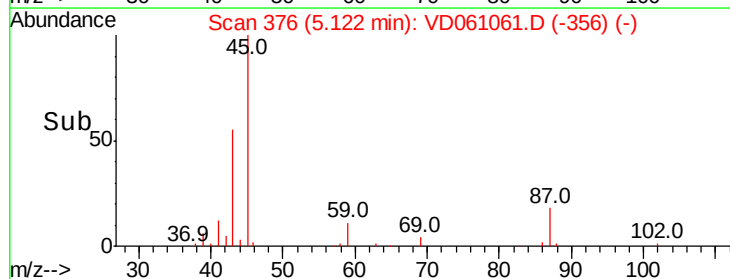
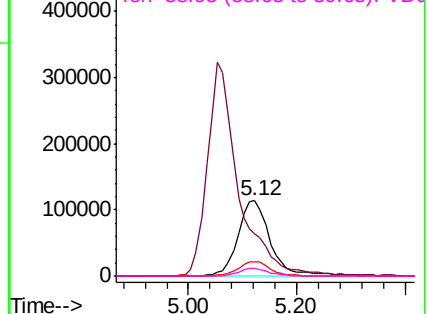


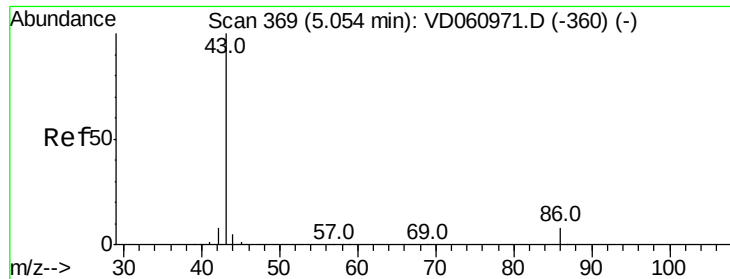
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 104.320 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

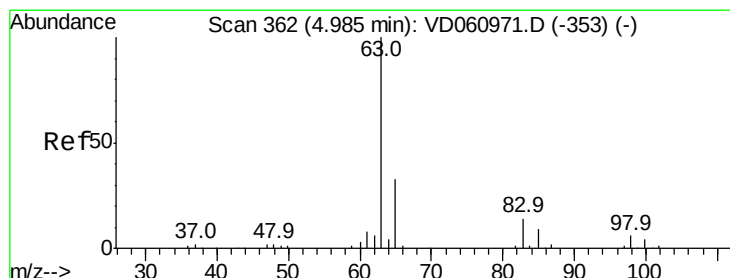
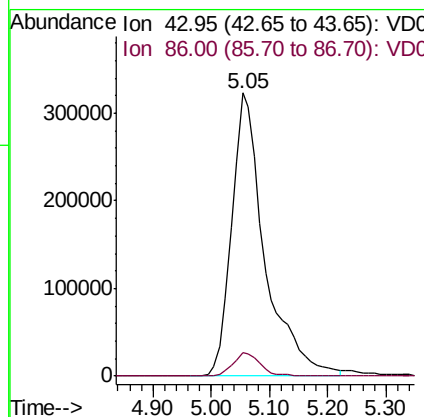
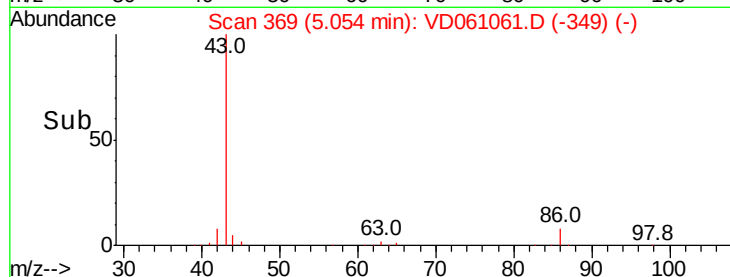
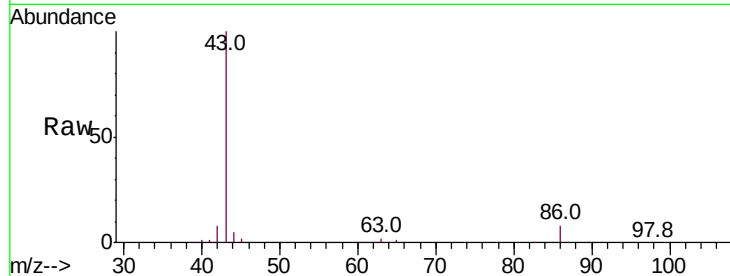
VD0314SBSD01

Tot Ion: 43 Resp: 1276161

Ion Ratio Lower Upper

43 100

86 8.3 6.2 9.2



#24

1,1-Dichloroethane

Concen: 20.765 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

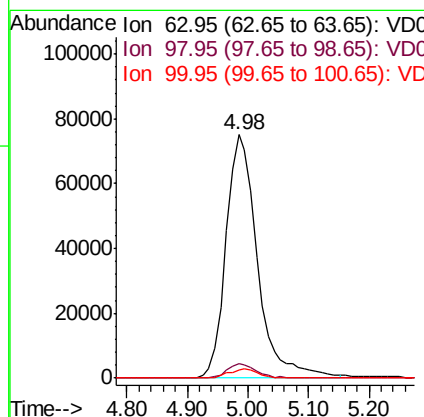
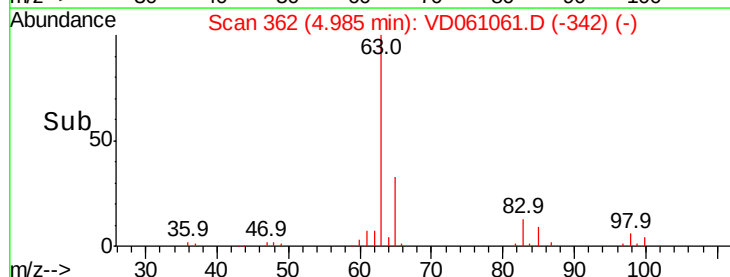
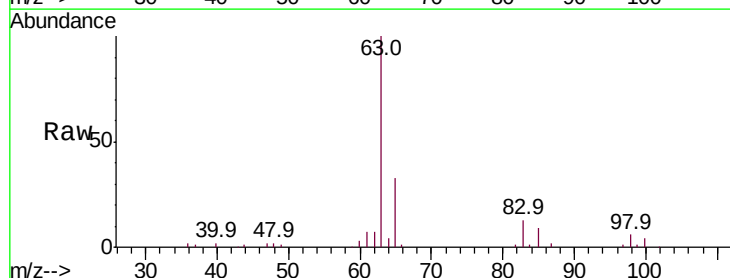
Tgt Ion: 63 Resp: 271118

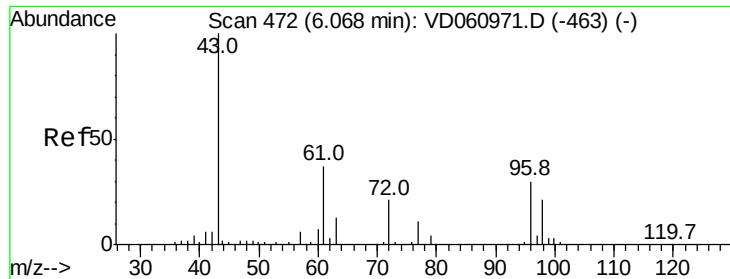
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.5 2.0 5.8





#25

2-Butanone

Concen: 104.095 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

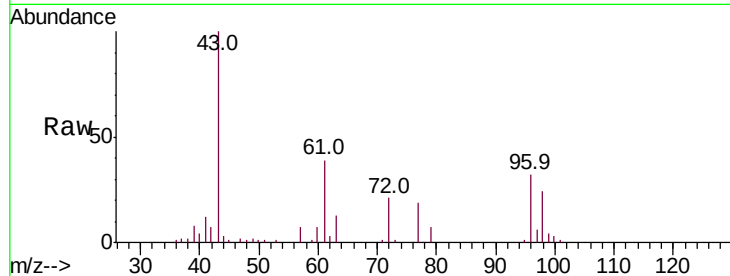
VD0314SBS01

Tot Ion: 43 Resp: 200957

Ion Ratio Lower Upper

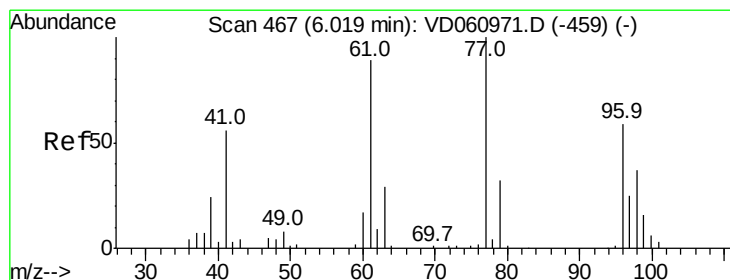
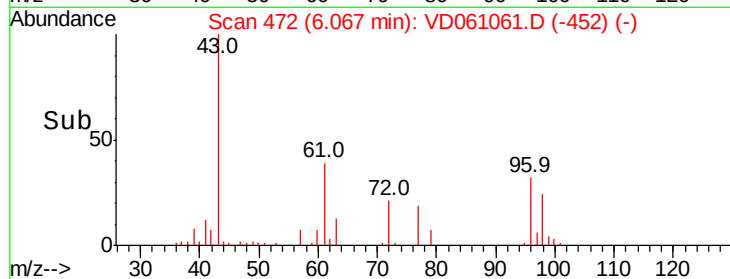
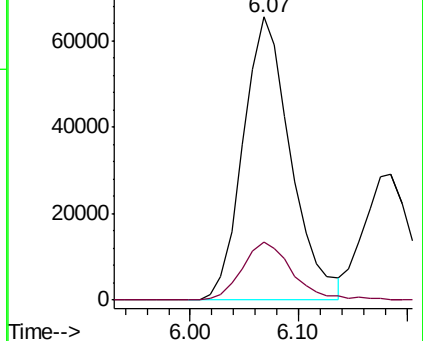
43 100

72 20.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.862 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061061.D

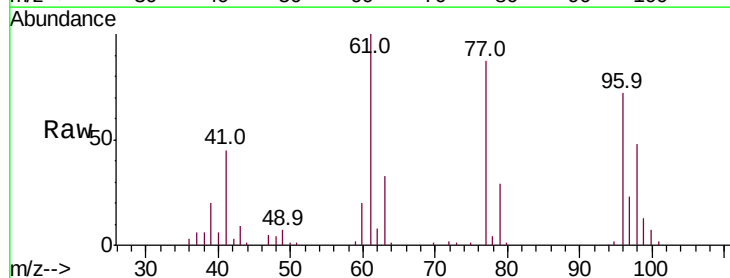
Acq: 14 Mar 2019 13:35

Tgt Ion: 77 Resp: 202445

Ion Ratio Lower Upper

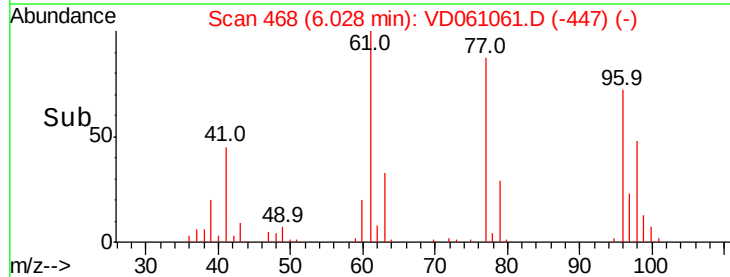
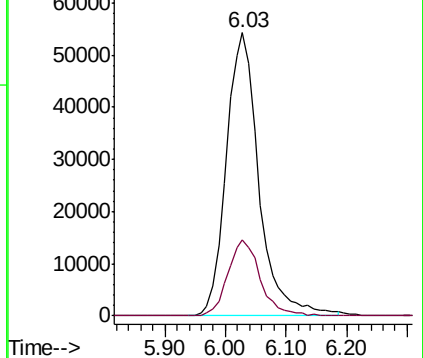
77 100

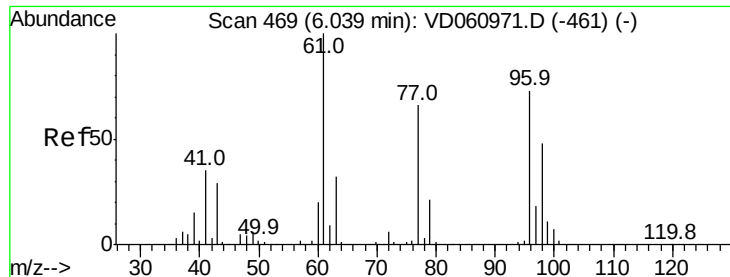
97 26.9 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.846 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

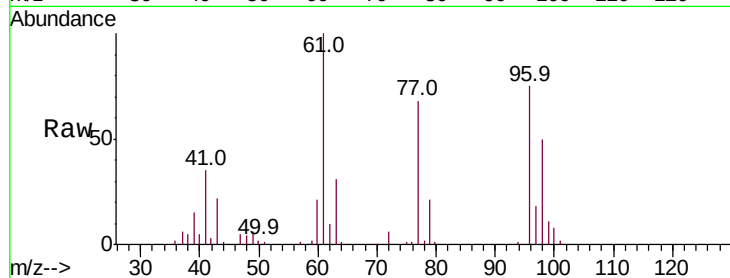
Tot Ion: 96 Resp: 171758

Ion Ratio Lower Upper

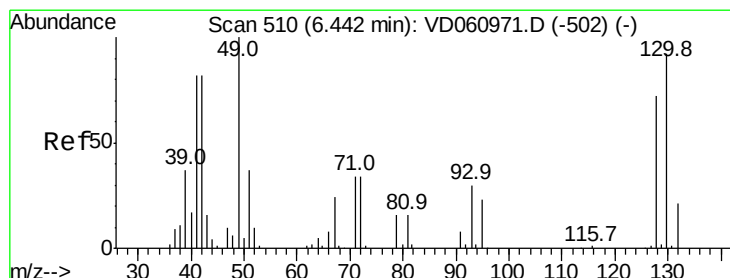
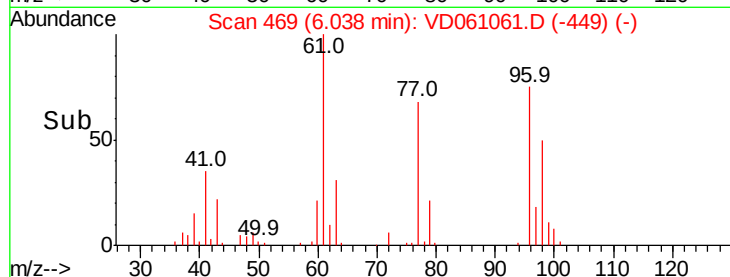
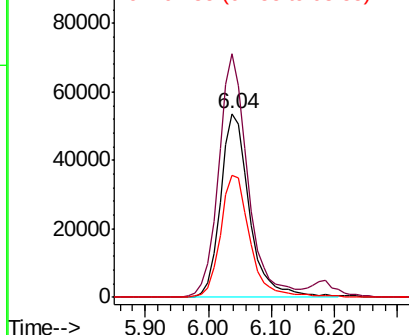
96 100

61 132.6 0.0 273.6

98 66.3 0.0 132.6



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: 18.140 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

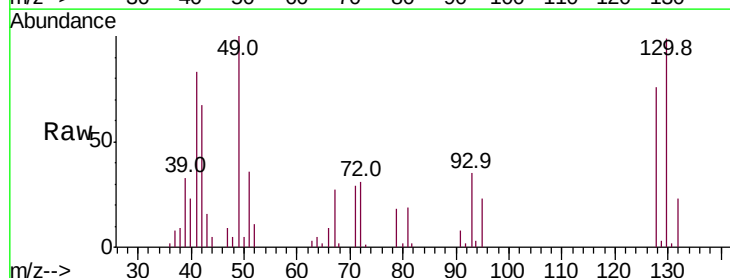
Tgt Ion: 49 Resp: 100269

Ion Ratio Lower Upper

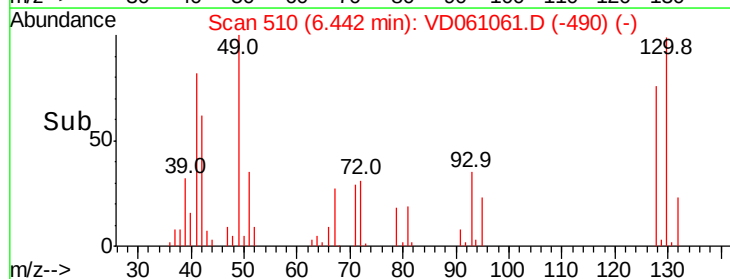
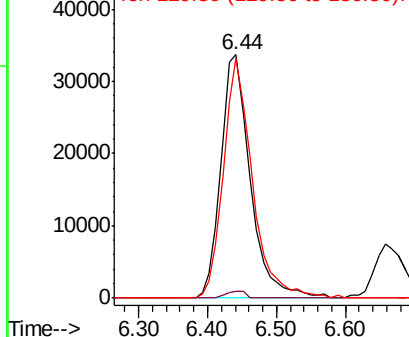
49 100

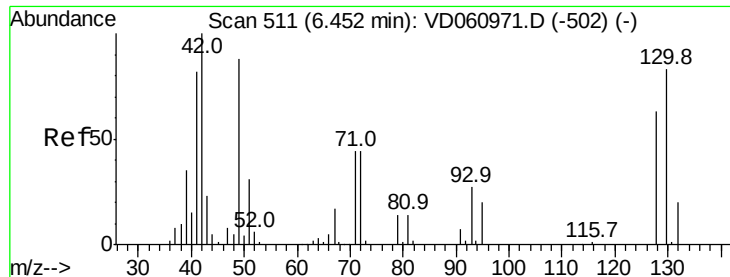
129 2.9 0.0 4.0

130 98.7 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 94.963 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

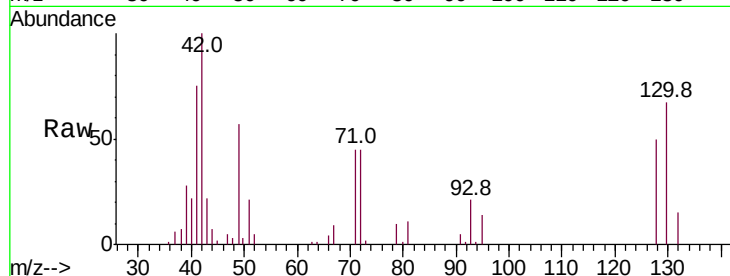
Tot Ion: 42 Resp: 99547

Ion Ratio Lower Upper

42 100

72 44.4 34.5 51.7

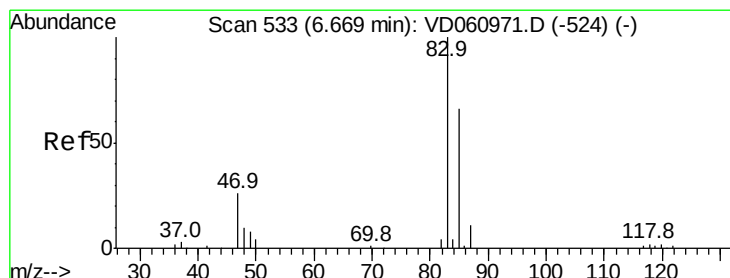
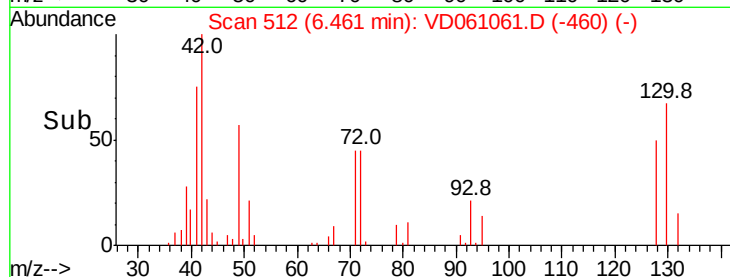
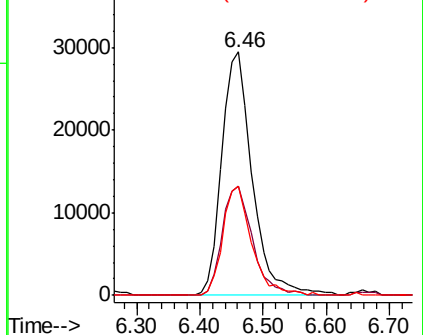
71 42.2 33.8 50.6



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: 20.198 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD061061.D

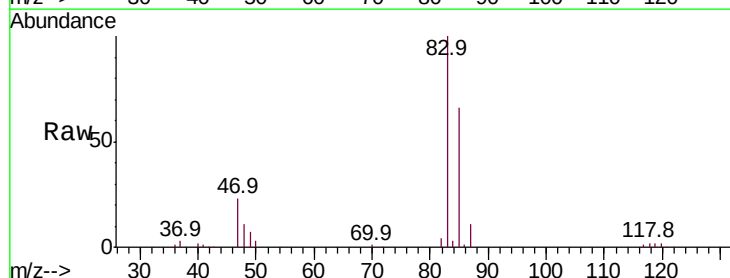
Acq: 14 Mar 2019 13:35

Tgt Ion: 83 Resp: 273327

Ion Ratio Lower Upper

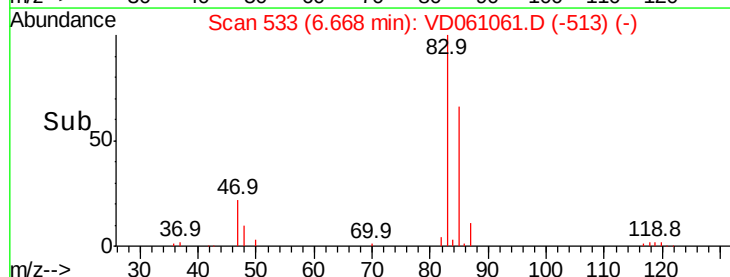
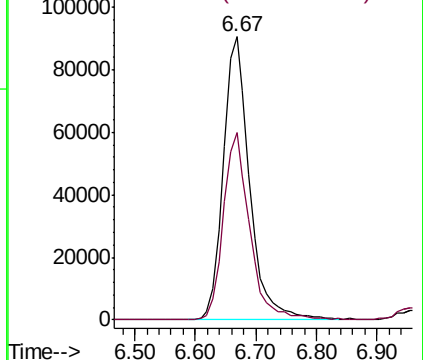
83 100

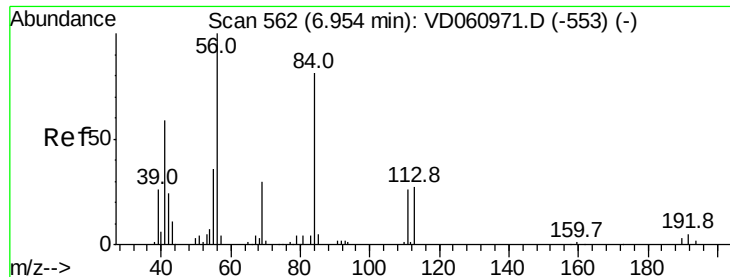
85 66.2 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

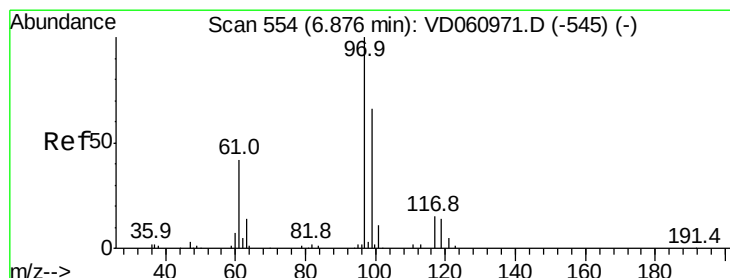
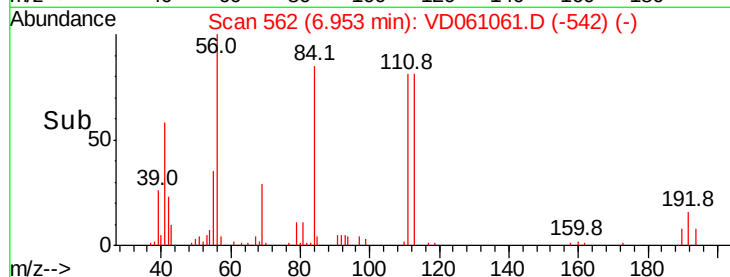
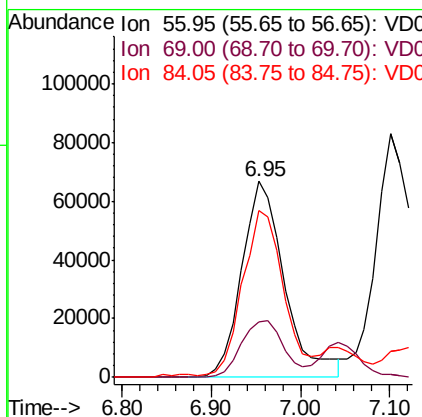
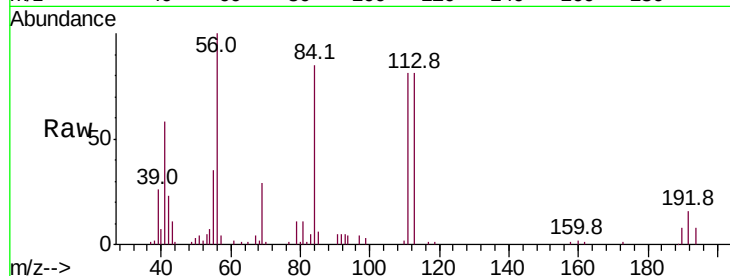




#31
Cyclohexane
Concen: 21.086 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

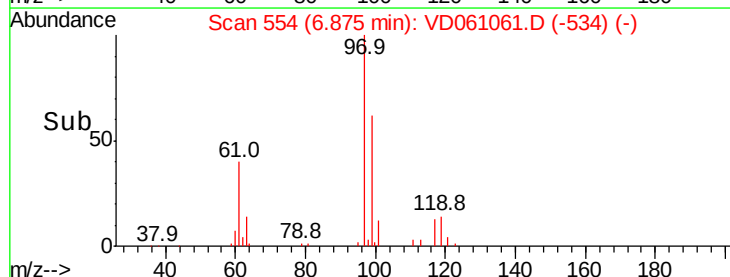
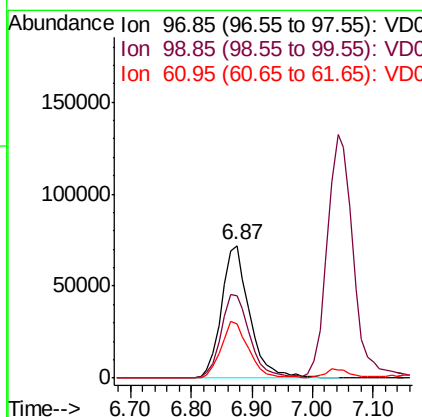
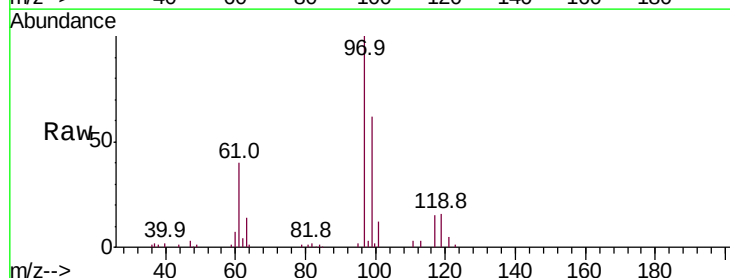
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

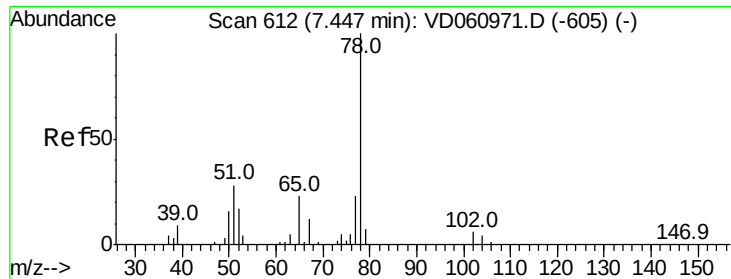
Tot Ion: 56 Resp: 221995
Ion Ratio Lower Upper
56 100
69 28.6 24.0 36.0
84 84.8 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 19.880 ug/l
RT: 6.87 min Scan# 554
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 97 Resp: 232584
Ion Ratio Lower Upper
97 100
99 61.7 53.2 79.8
61 40.4 33.8 50.8

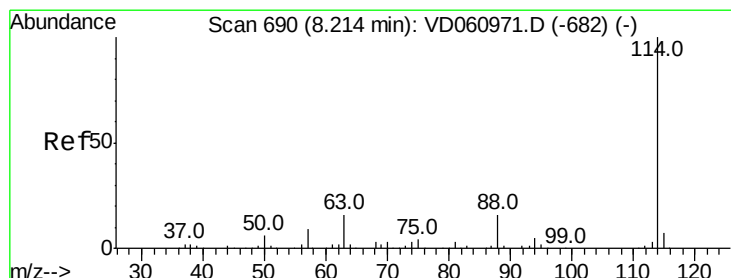
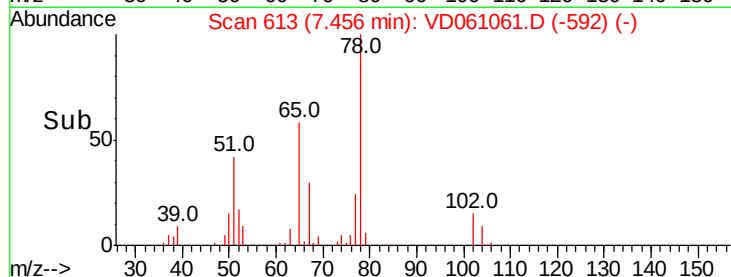
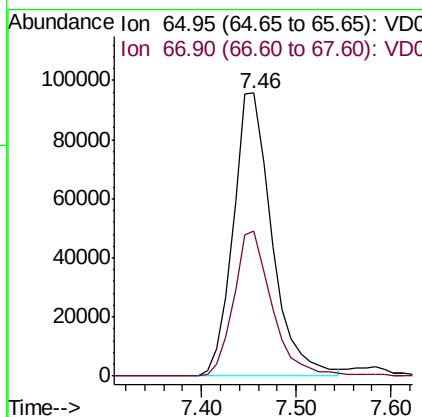
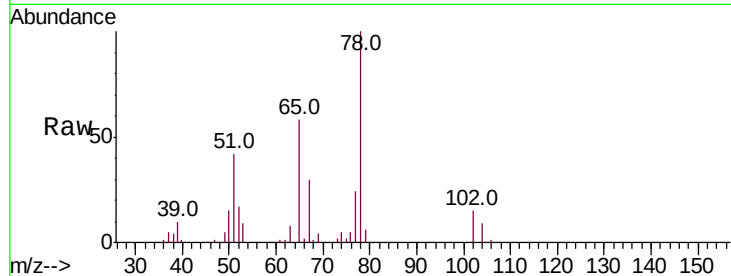




#33
 1,2-Dichloroethane-d4
 Concen: 19.880 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

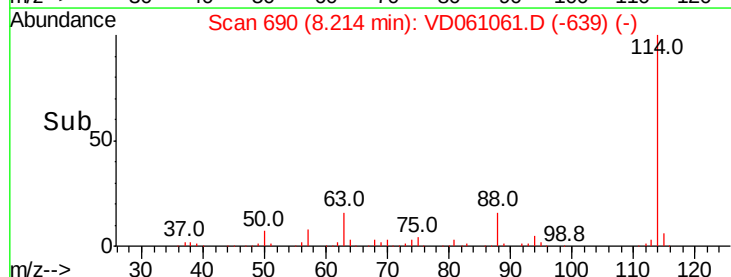
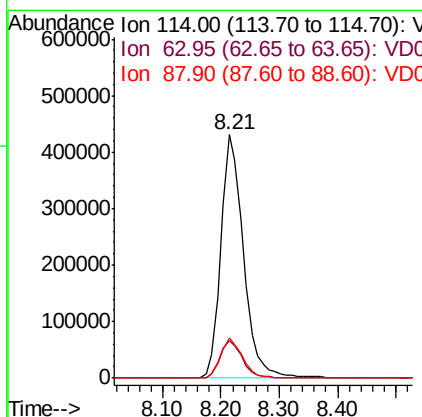
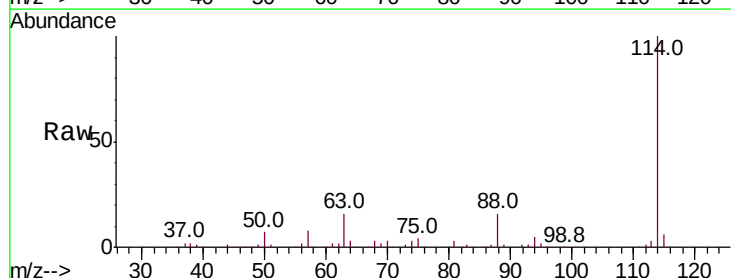
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

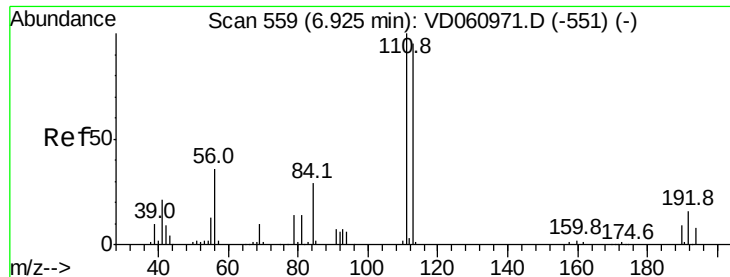
Tot Ion: 65 Resp: 272117
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 114 Resp: 1158400
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.4
 88 16.3 0.0 33.0

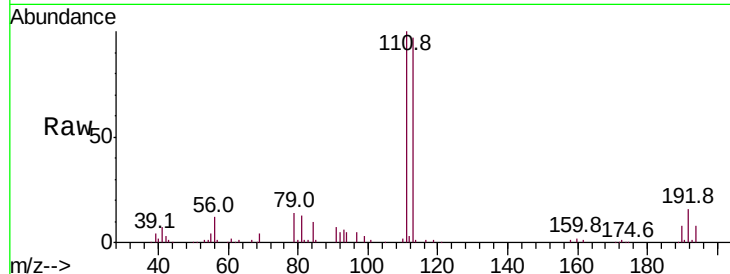




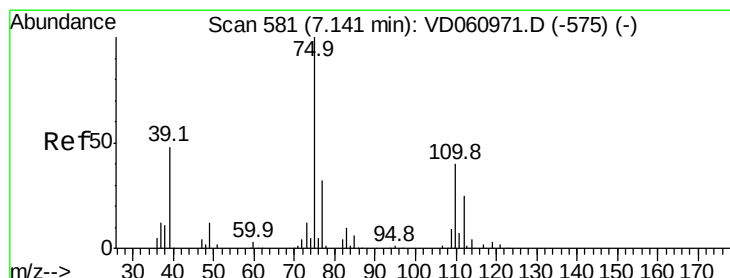
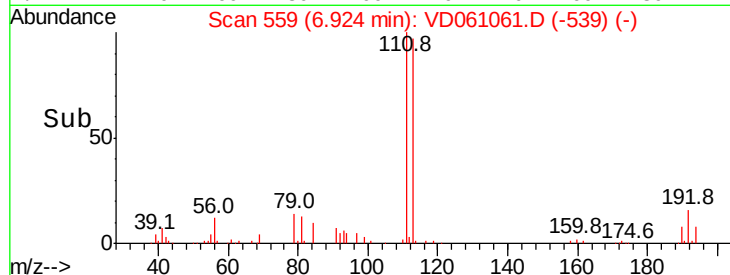
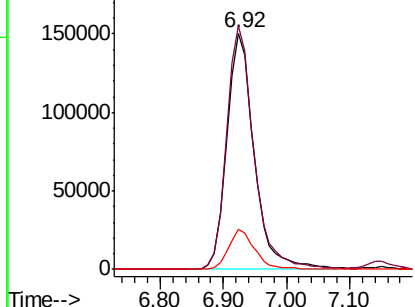
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion:113 Resp: 450242
 Ion Ratio Lower Upper
 113 100
 111 103.0 84.2 126.4
 192 16.7 13.1 19.7

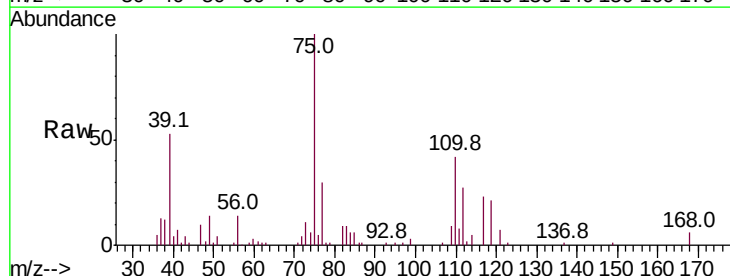


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

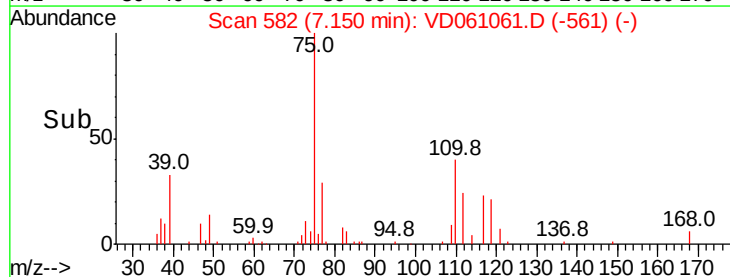
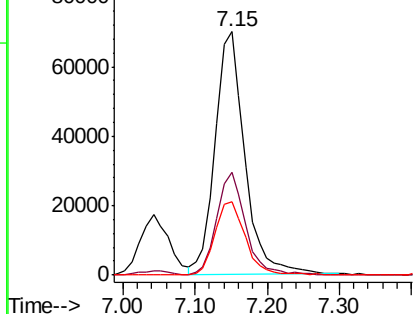


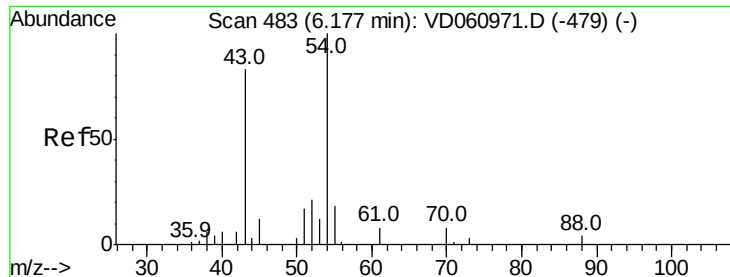
#36
 1,1-Dichloropropene
 Concen: 19.800 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 75 Resp: 197707
 Ion Ratio Lower Upper
 75 100
 110 42.5 19.7 59.1
 77 30.2 24.7 37.1



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

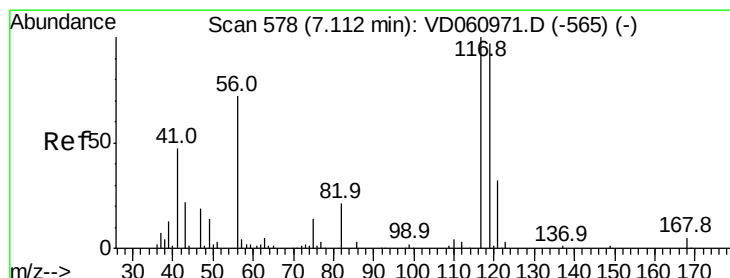
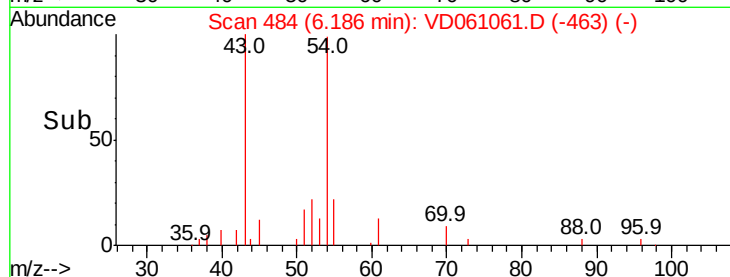
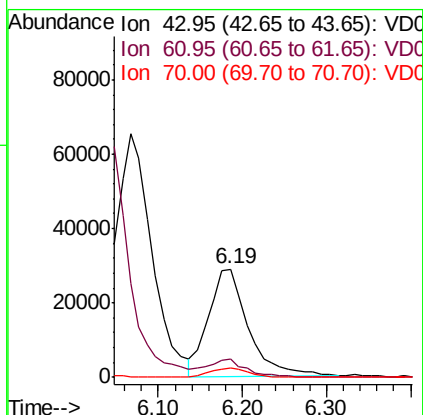
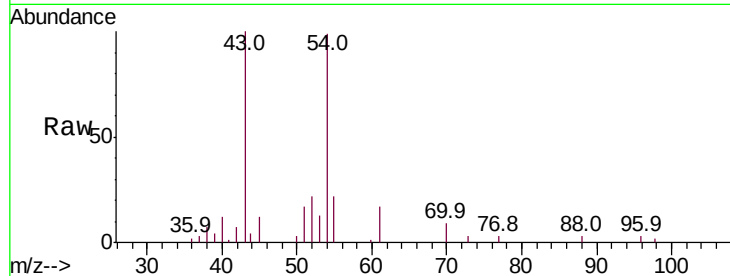




#37
Ethyl Acetate
Concen: 20.017 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

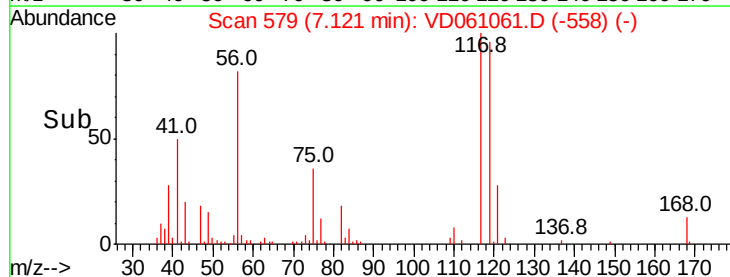
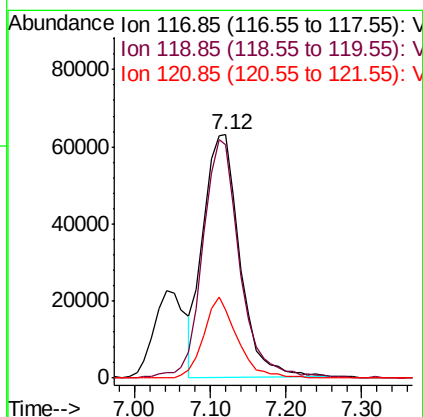
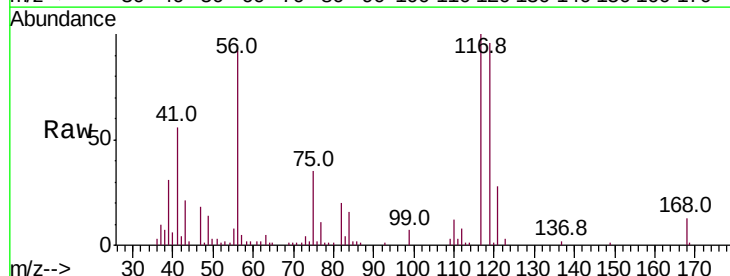
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

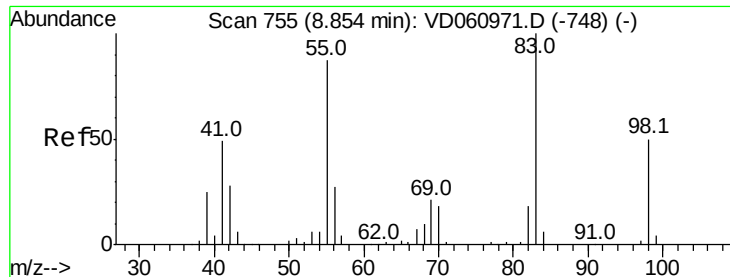
Tot Ion: 43 Resp: 93792
Ion Ratio Lower Upper
43 100
61 16.8 13.7 20.5
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.211 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 117 Resp: 211306
Ion Ratio Lower Upper
117 100
119 95.9 77.8 116.8
121 28.1 25.3 37.9





#39

Methylvlcyclohexane

Concen: 21.168 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

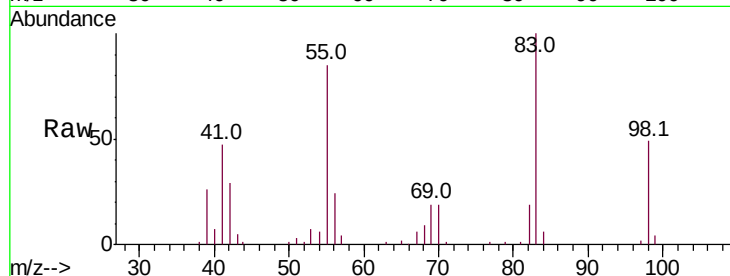
Tot Ion: 83 Resp: 219175

Ion Ratio Lower Upper

83 100

55 85.4 69.6 104.4

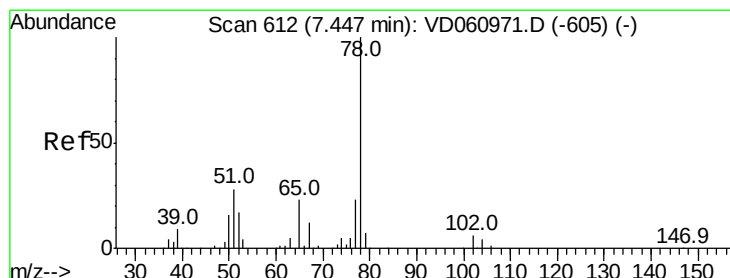
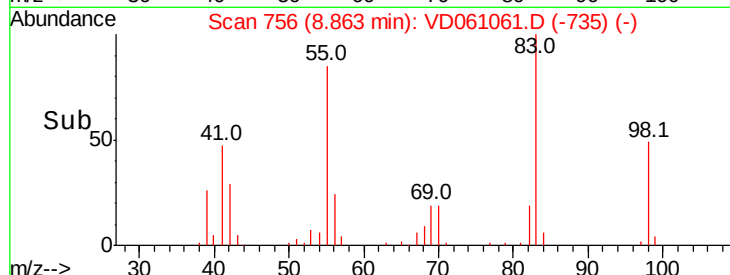
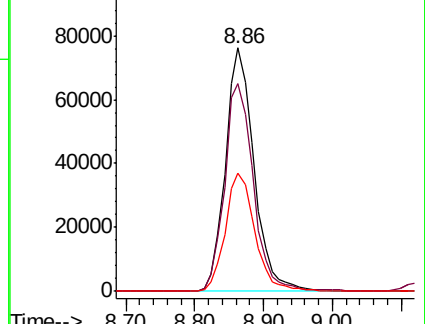
98 48.6 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.164 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061061.D

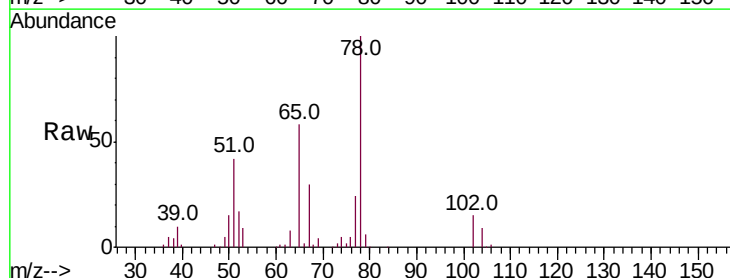
Acq: 14 Mar 2019 13:35

Tgt Ion: 78 Resp: 503098

Ion Ratio Lower Upper

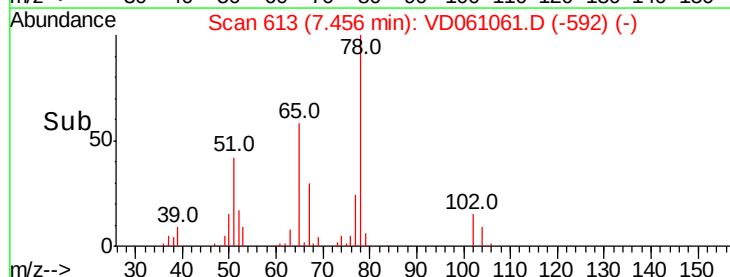
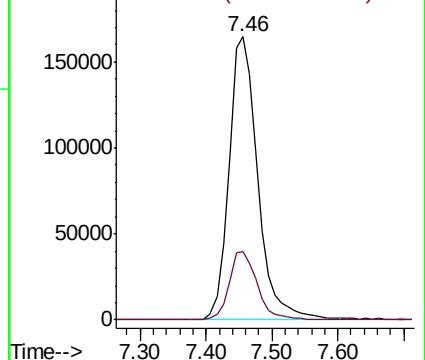
78 100

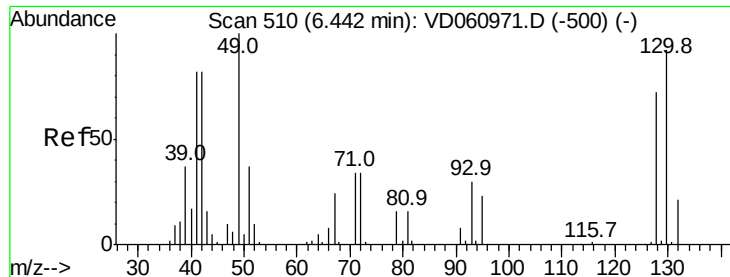
77 24.1 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

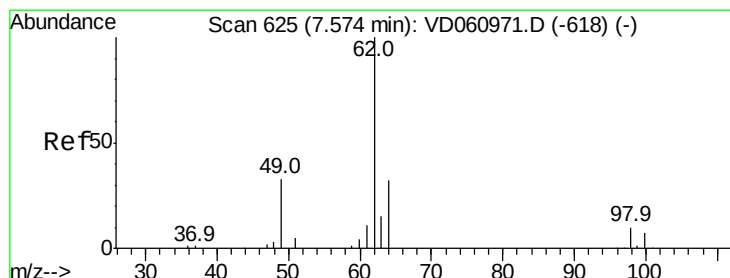
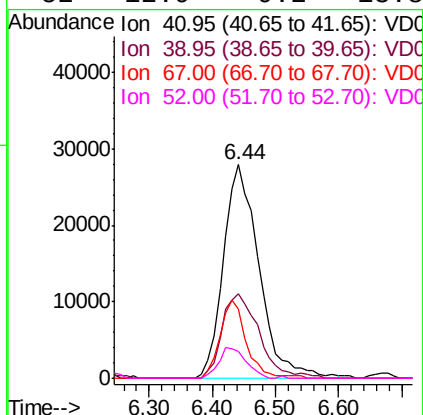
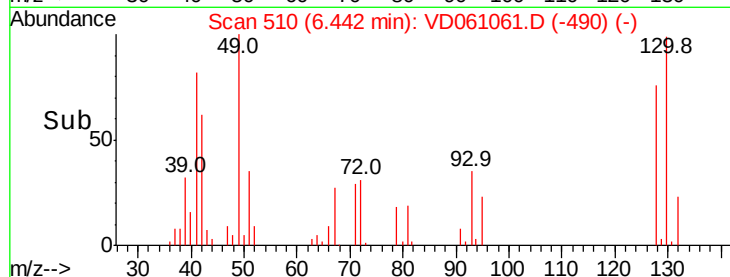
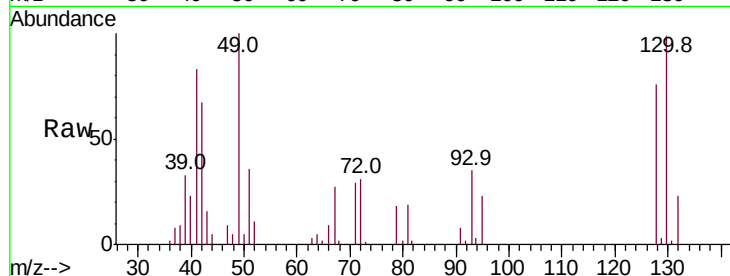




#41
Methacrylonitrile
Concen: 20.325 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

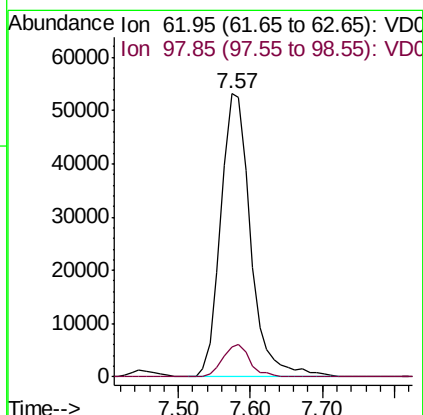
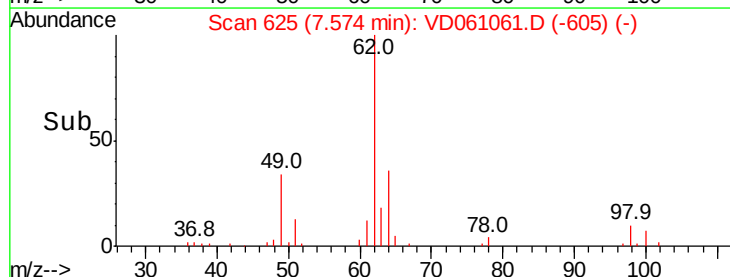
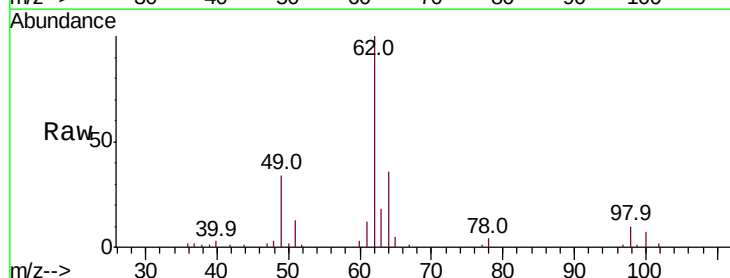
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

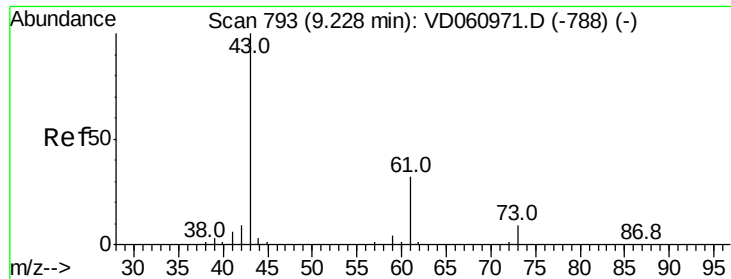
Tot Ion: 41 Resp: 109543
Ion Ratio Lower Upper
41 100
39 39.7 35.7 53.5
67 32.5 23.0 34.6
52 12.9 9.2 13.8



#42
1,2-Dichloroethane
Concen: 21.172 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 62 Resp: 153300
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.4





#43

Isopropyl Acetate

Concen: 20.528 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

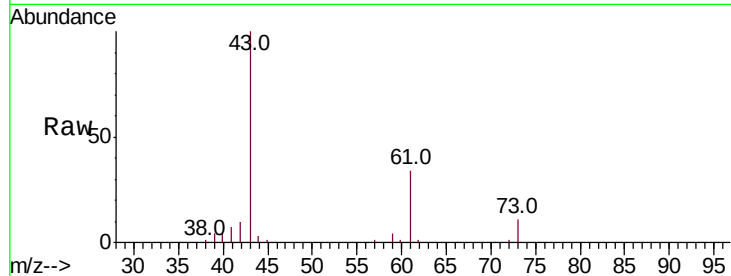
Tot Ion: 43 Resp: 133222

Ion Ratio Lower Upper

43 100

61 34.2 25.6 38.4

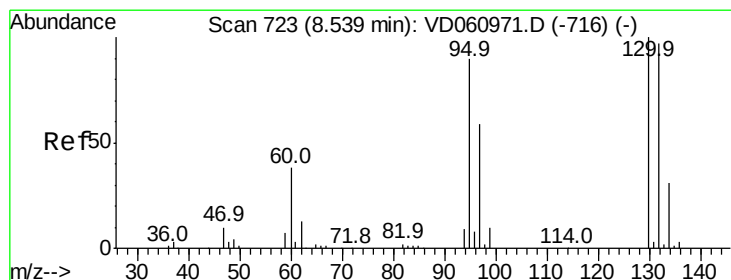
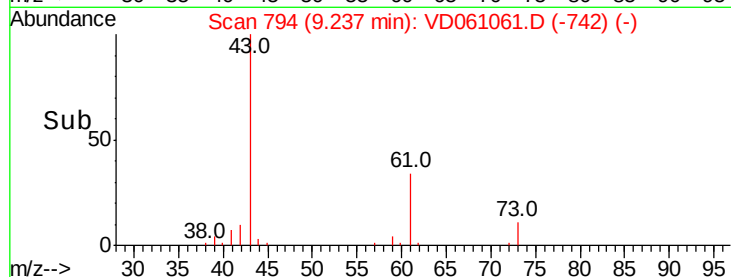
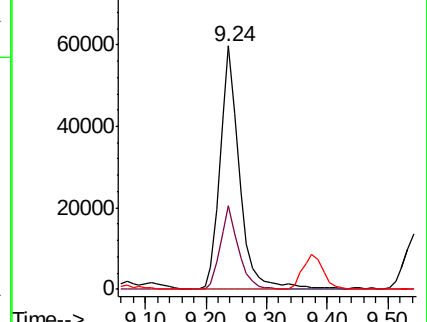
87 0.0 0.2 0.4#



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: 22.356 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD061061.D

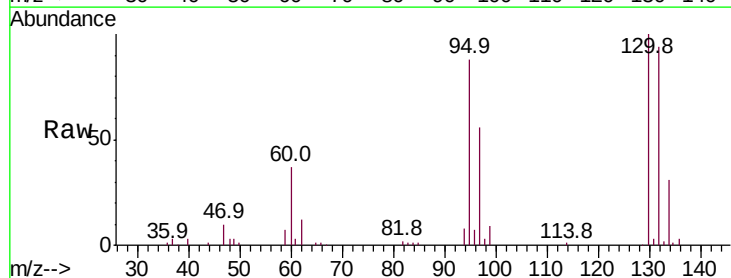
Acq: 14 Mar 2019 13:35

Tgt Ion:130 Resp: 192437

Ion Ratio Lower Upper

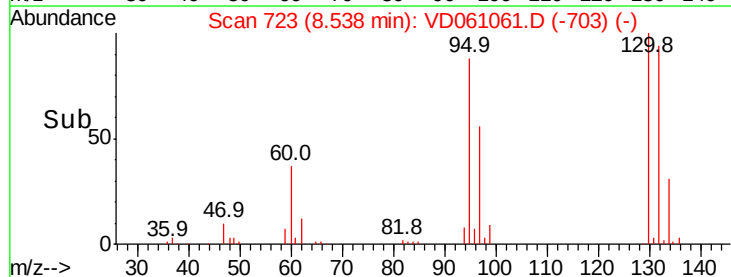
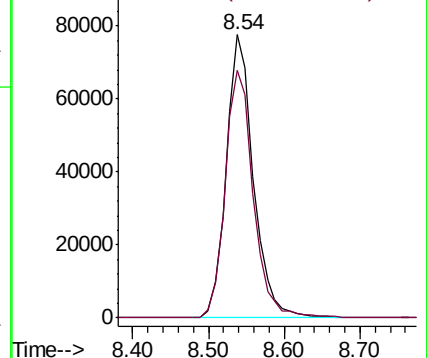
130 100

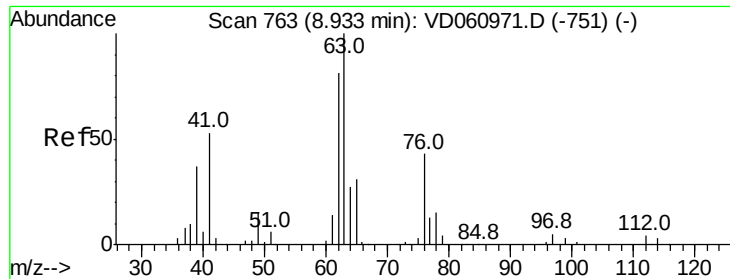
95 87.7 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

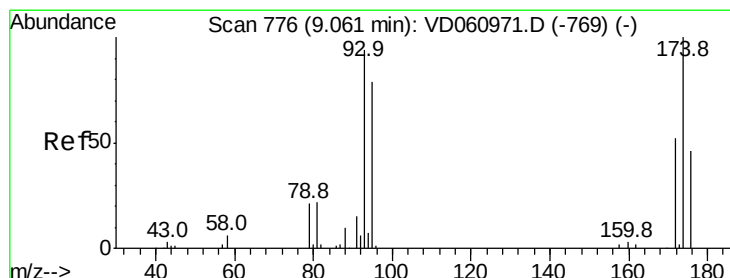
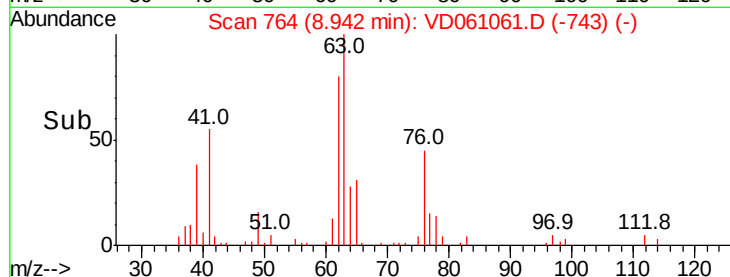
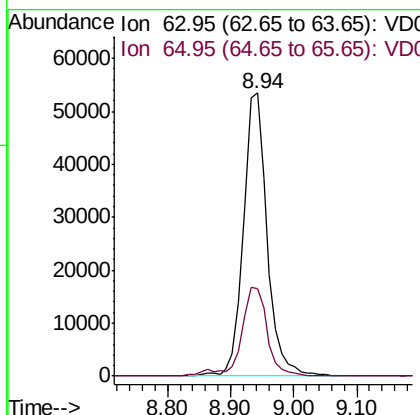
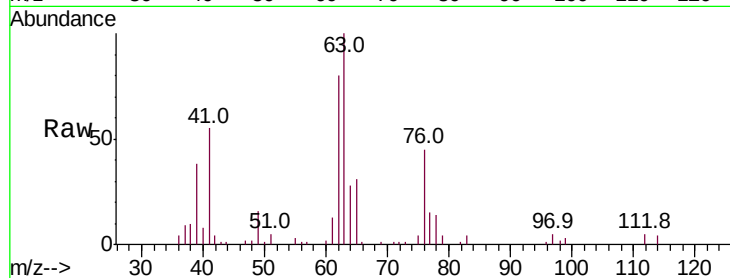




#45
 1,2-Dichloropropane
 Concen: 21.221 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

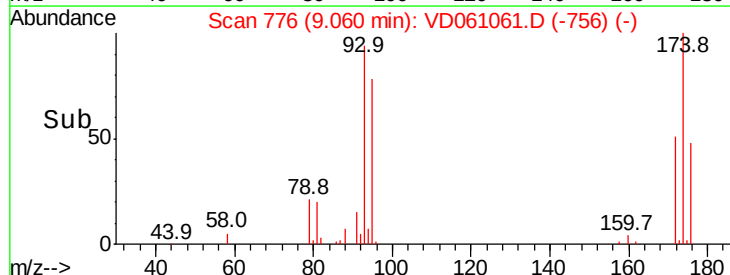
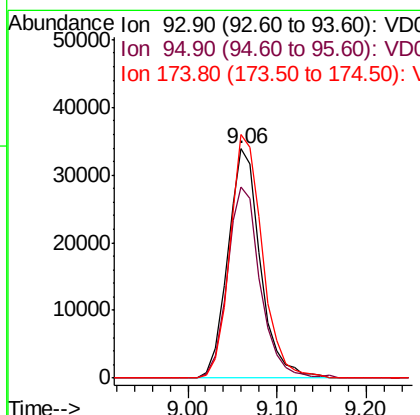
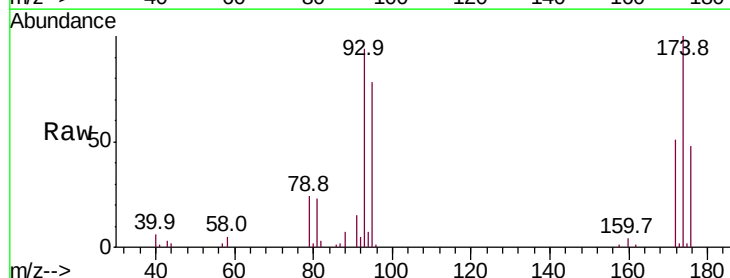
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

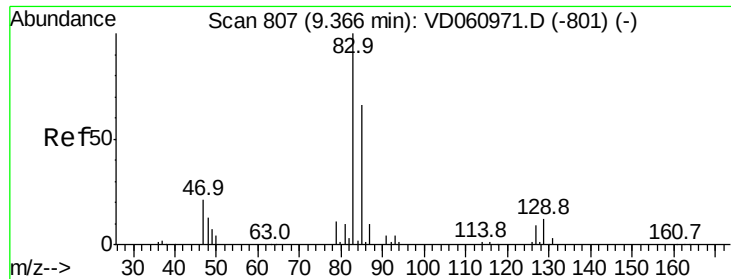
Tot Ion: 63 Resp: 139103
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.8 37.2



#46
 Dibromomethane
 Concen: 20.738 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 93 Resp: 86231
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.4 101.0
 174 106.2 85.4 128.0





#47

Bromodichloromethane

Concen: 20.676 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

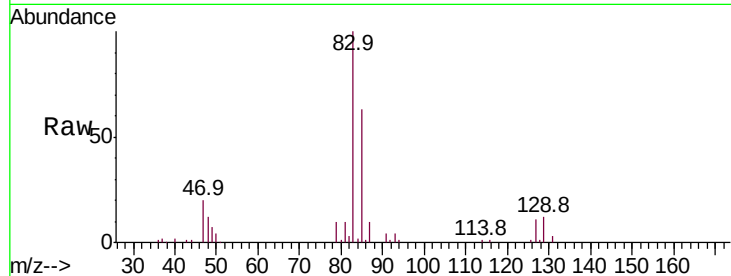
Tot Ion: 83 Resp: 194008

Ion Ratio Lower Upper

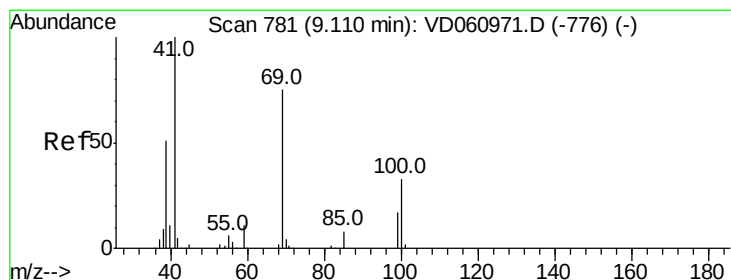
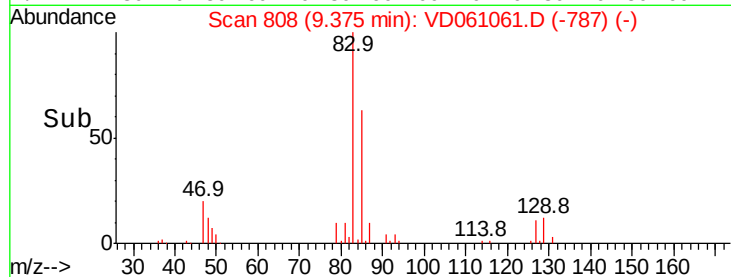
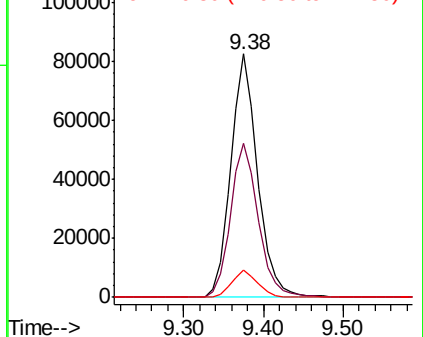
83 100

85 63.1 52.5 78.7

127 11.0 7.5 11.3



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



#48

Methyl methacrylate

Concen: 22.050 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

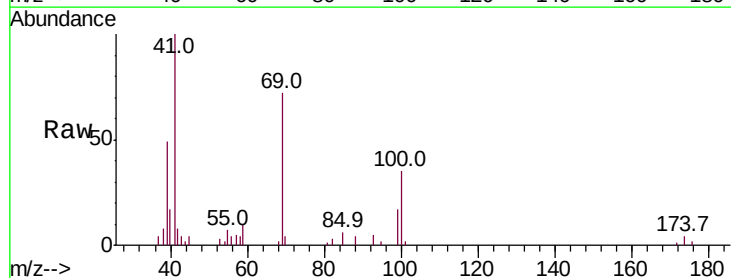
Tgt Ion: 41 Resp: 80573

Ion Ratio Lower Upper

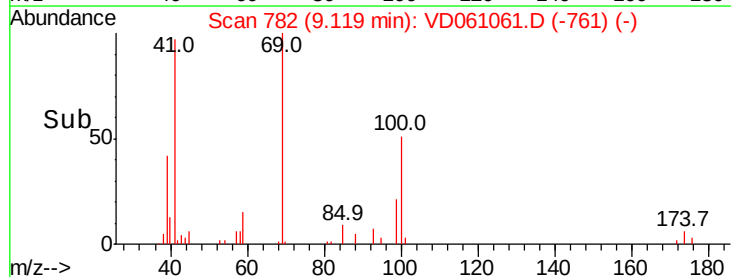
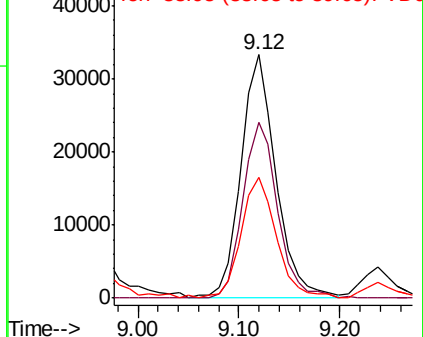
41 100

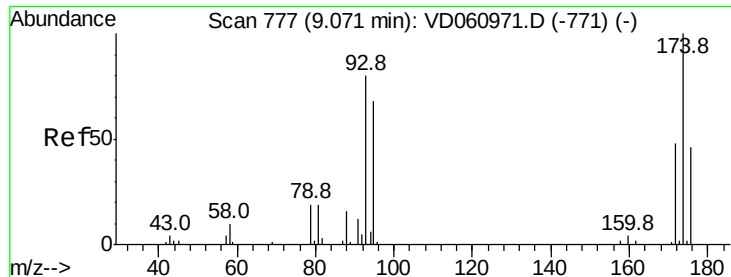
69 72.0 59.9 89.9

39 49.5 40.9 61.3



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: 403.042 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

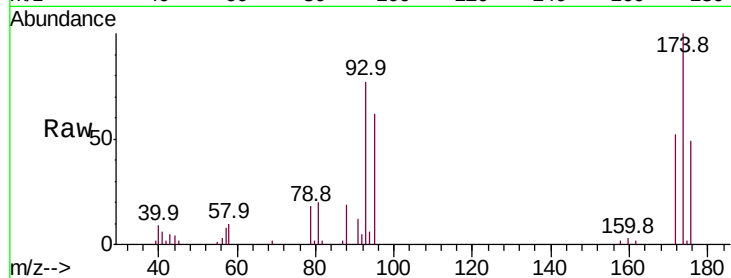
Tot Ion: 88 Resp: 14892

Ion Ratio Lower Upper

88 100

43 27.2 21.0 31.6

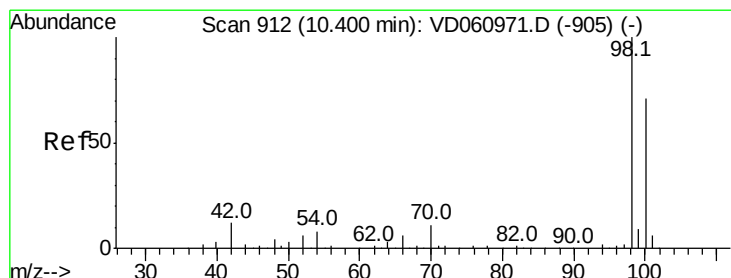
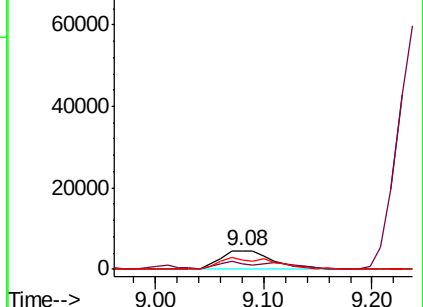
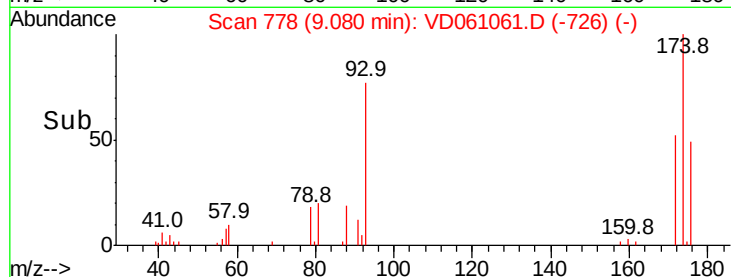
58 53.2 48.6 72.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 403.042 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061061.D

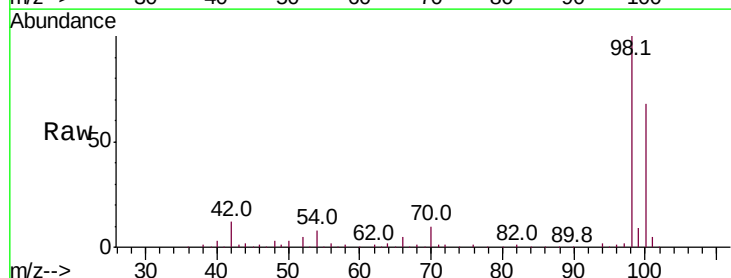
Acq: 14 Mar 2019 13:35

Tgt Ion: 98 Resp: 1132865

Ion Ratio Lower Upper

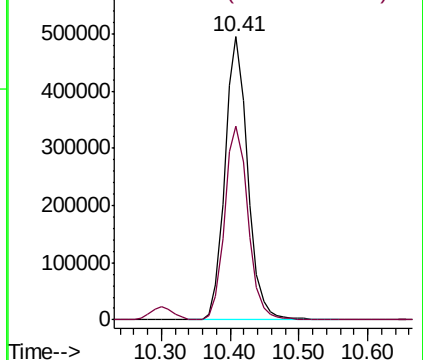
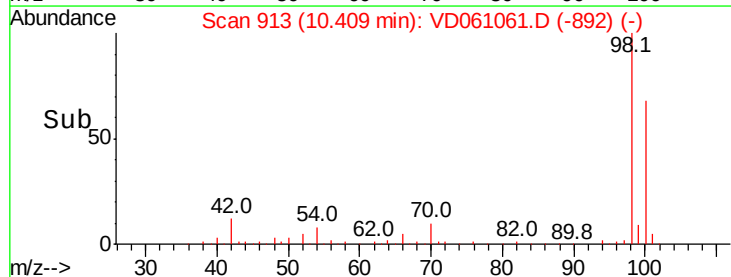
98 100

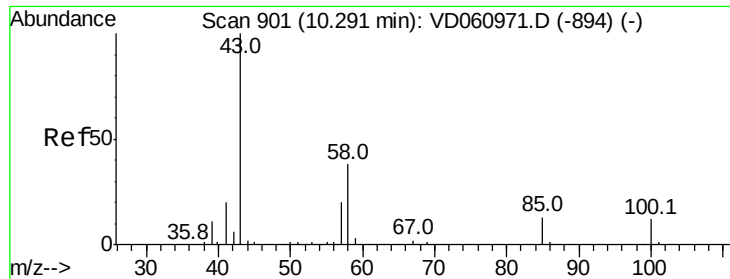
100 68.5 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 105.642 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

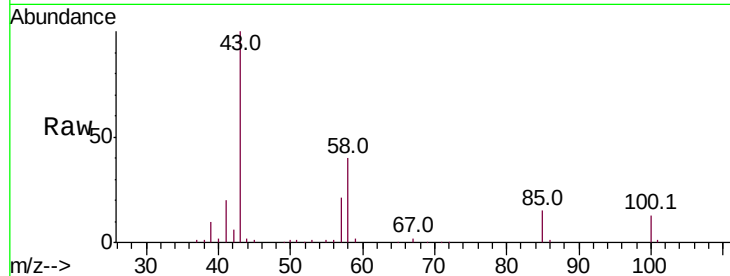
VD0314SBSD01

Tot Ion: 43 Resp: 420022

Ion Ratio Lower Upper

43 100

58 40.2 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

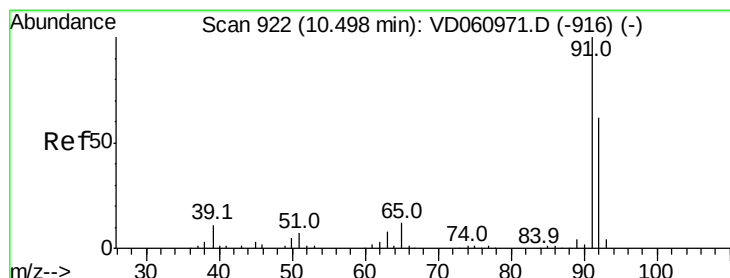
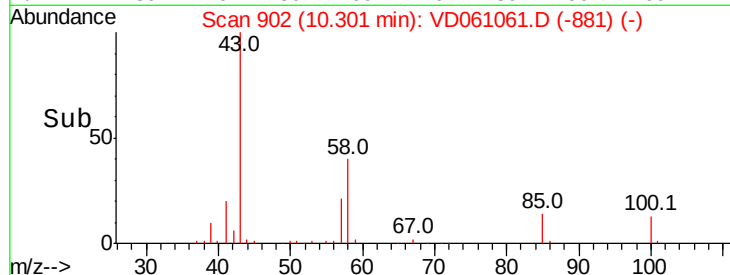
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.504 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061061.D

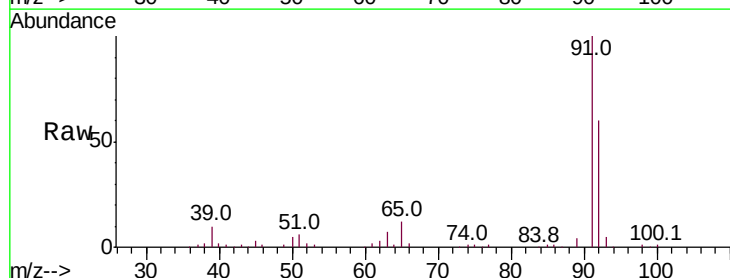
Acq: 14 Mar 2019 13:35

Tgt Ion: 92 Resp: 318126

Ion Ratio Lower Upper

92 100

91 165.6 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

250000

200000

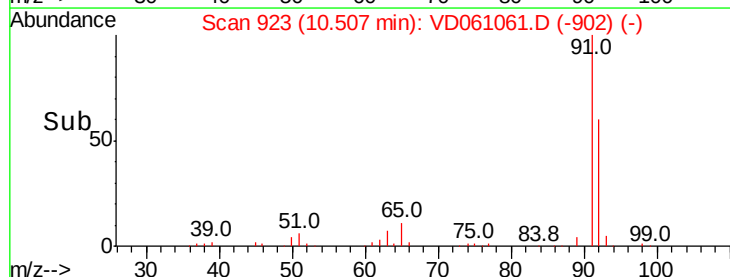
150000

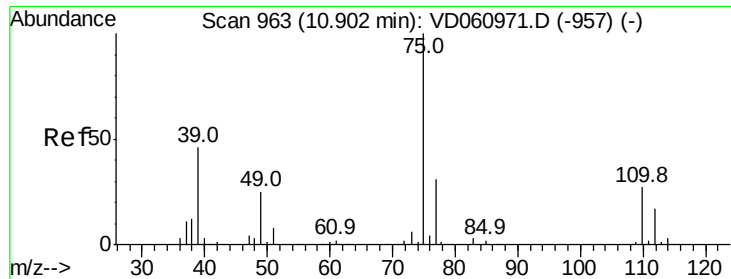
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.778 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

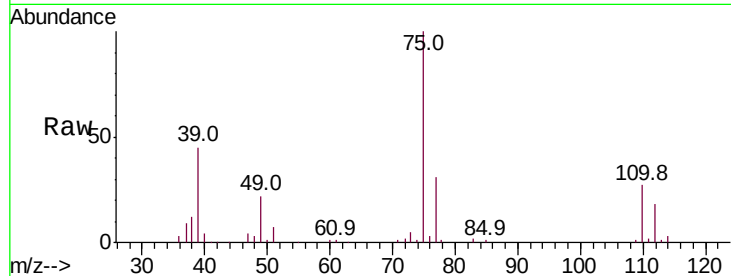
VD0314SBSD01

Tot Ion: 75 Resp: 178267

Ion Ratio Lower Upper

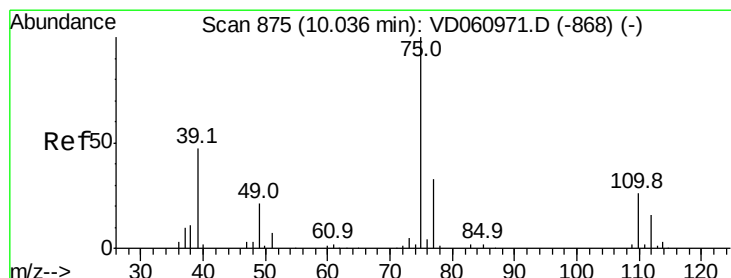
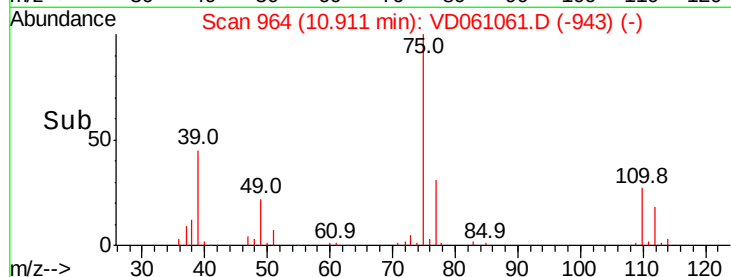
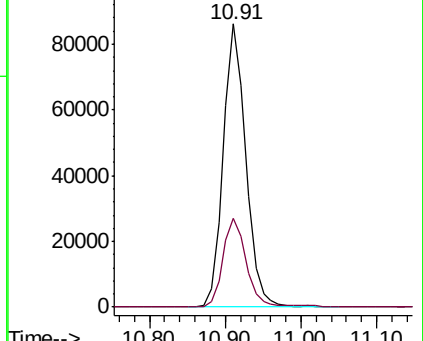
75 100

77 31.3 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.215 ug/l

RT: 10.03 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

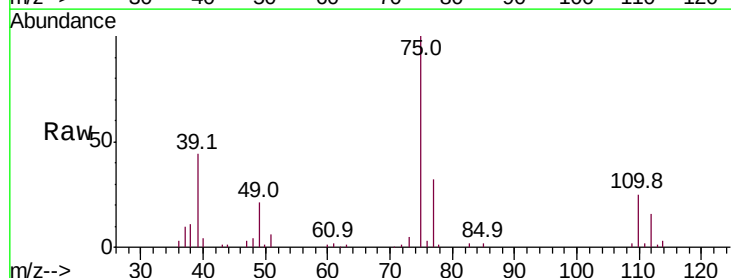
Tgt Ion: 75 Resp: 198088

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.4

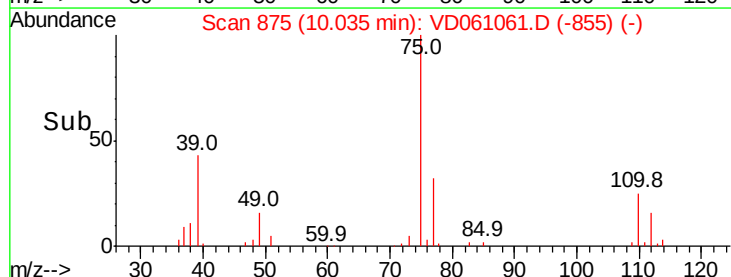
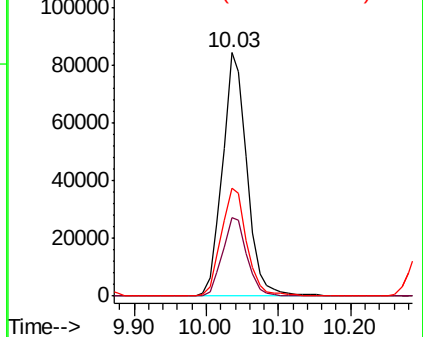
39 44.5 37.8 56.8

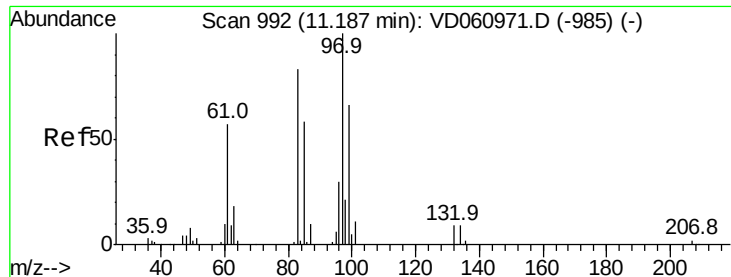


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



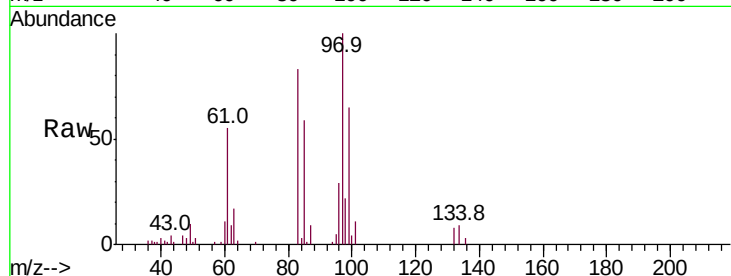


#55
 1,1,2-Trichloroethane
 Concen: 20.175 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

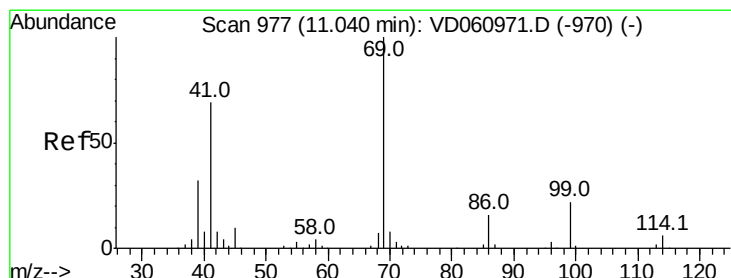
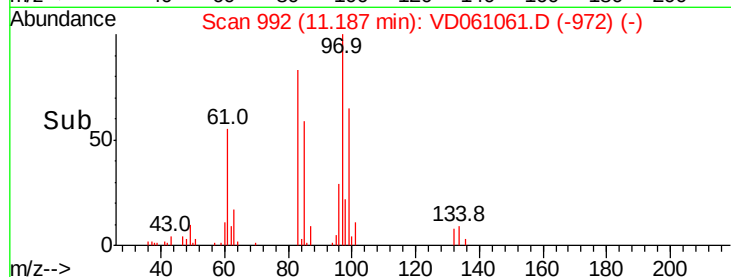
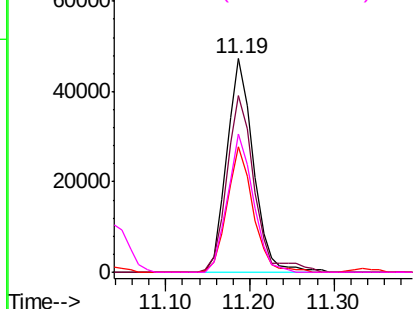
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion: 97 Resp: 104243

Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.6	100.0
85	58.9	46.4	69.6
99	64.5	52.4	78.6



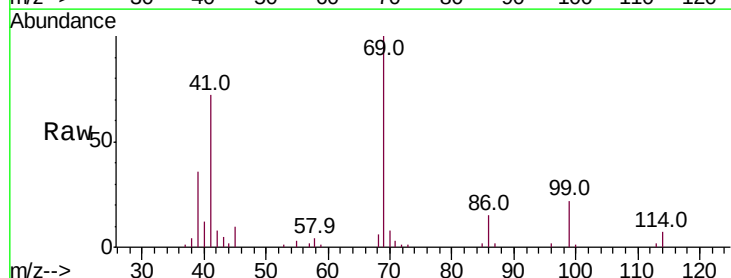
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



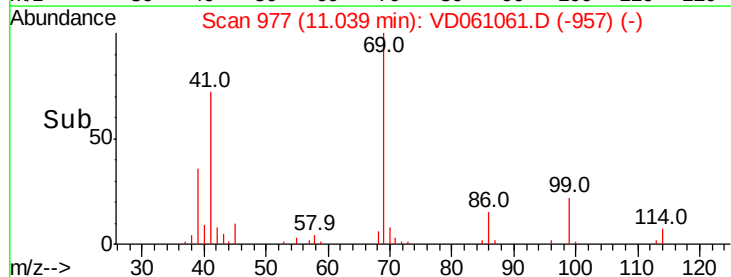
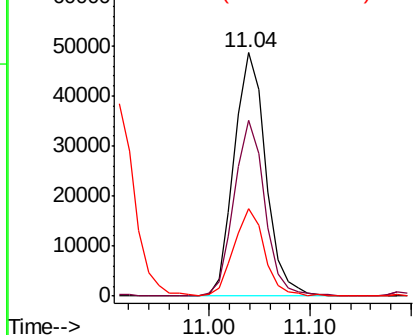
#56
 Ethyl methacrylate
 Concen: 19.756 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

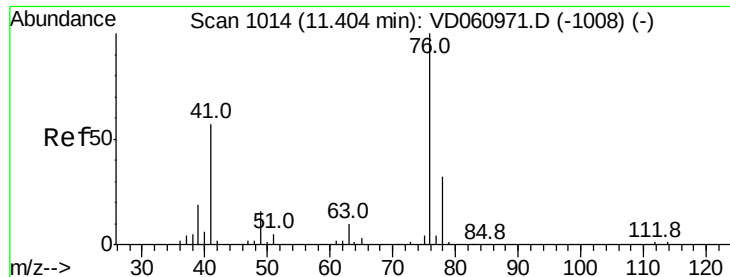
Tgt Ion: 69 Resp: 106845

Ion	Ratio	Lower	Upper
69	100		
41	72.4	55.5	83.3
39	35.8	26.2	39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.919 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

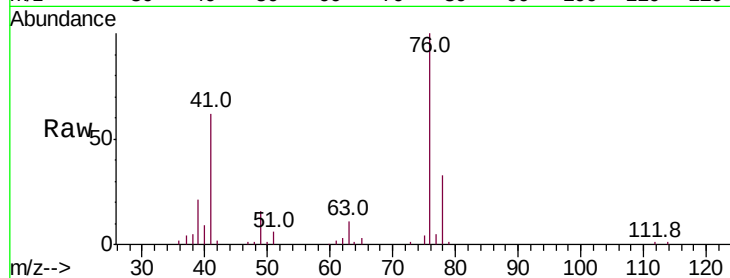
VD0314SBS01

Tot Ion: 76 Resp: 161525

Ion Ratio Lower Upper

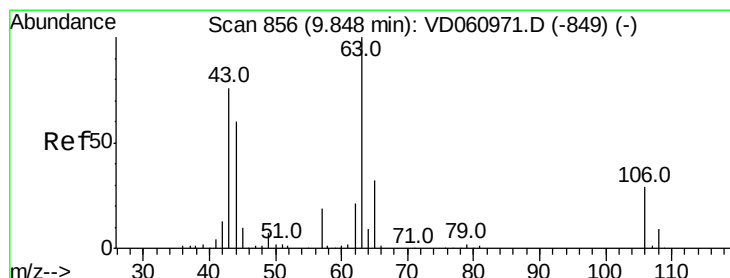
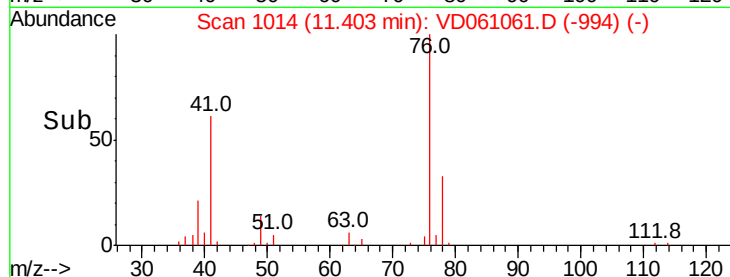
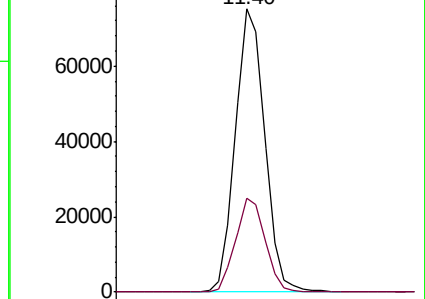
76 100

78 33.0 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 100.488 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD061061.D

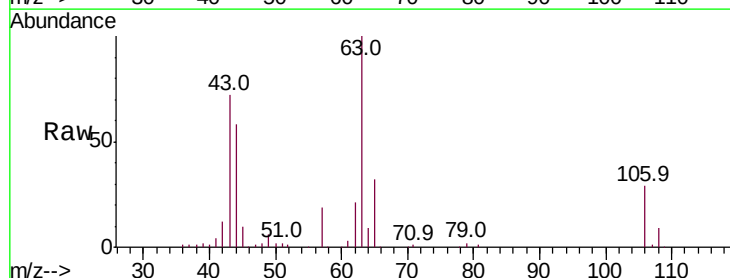
Acq: 14 Mar 2019 13:35

Tgt Ion: 63 Resp: 287668

Ion Ratio Lower Upper

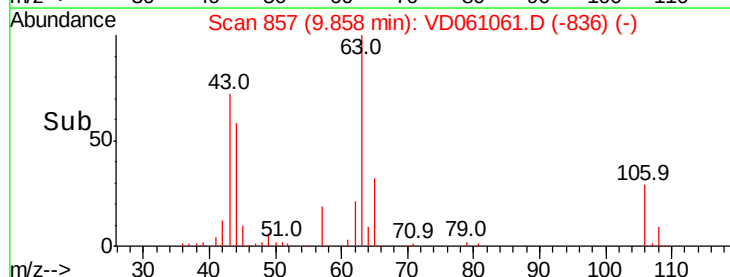
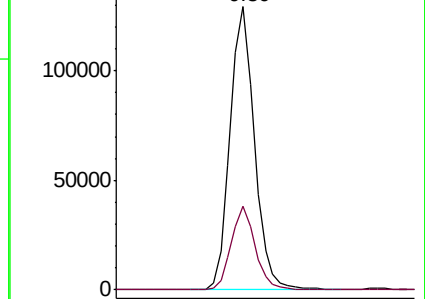
63 100

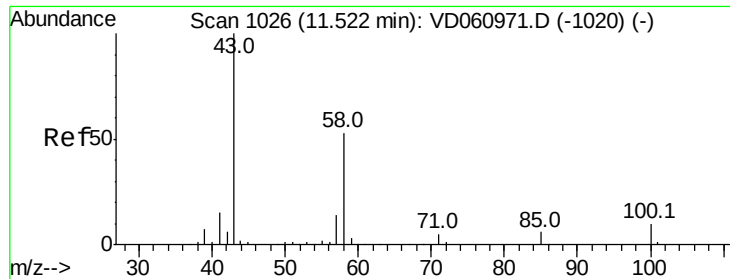
106 29.4 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 98.702 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

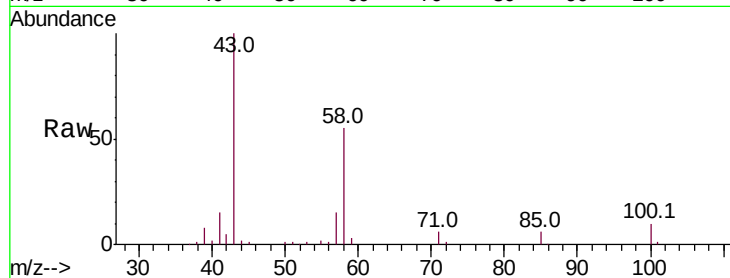
VD0314SBSD01

Tot Ion: 43 Resp: 287059

Ion Ratio Lower Upper

43 100

58 54.9 26.5 79.5



Abundance Ion 42.95 (42.65 to 43.65): VD061061.D (-1020) (-)

Ion 57.95 (57.65 to 58.65): VD061061.D (-1020) (-)

11.53

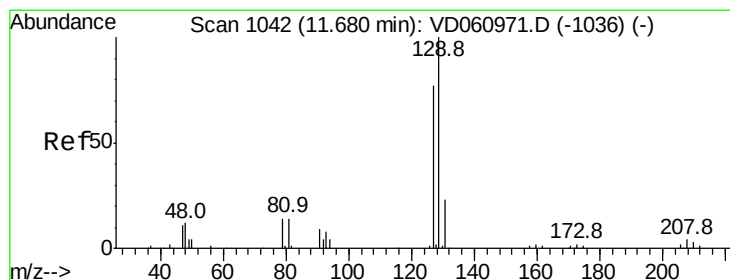
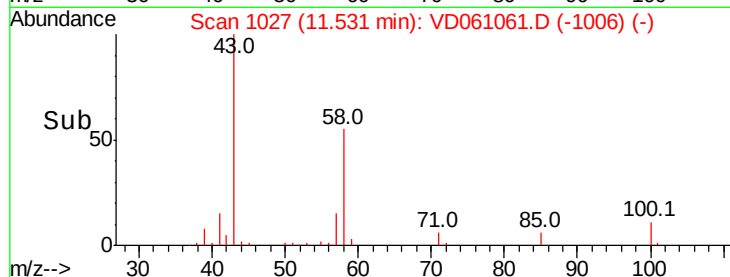
150000

100000

50000

0

Time--> 11.40 11.50 11.60



#60

Dibromochloromethane

Concen: 20.060 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VD061061.D

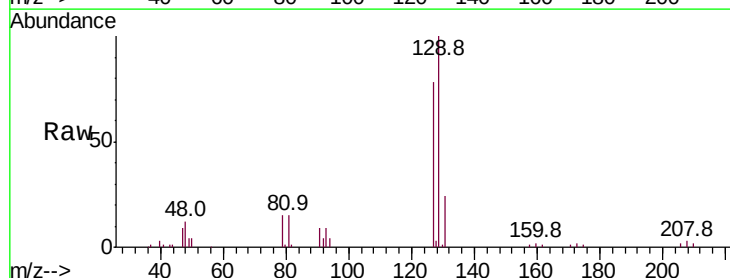
Acq: 14 Mar 2019 13:35

Tgt Ion: 129 Resp: 152537

Ion Ratio Lower Upper

129 100

127 77.7 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VD061061.D (-1036) (-)

Ion 126.80 (126.50 to 127.50): VD061061.D (-1036) (-)

11.68

80000

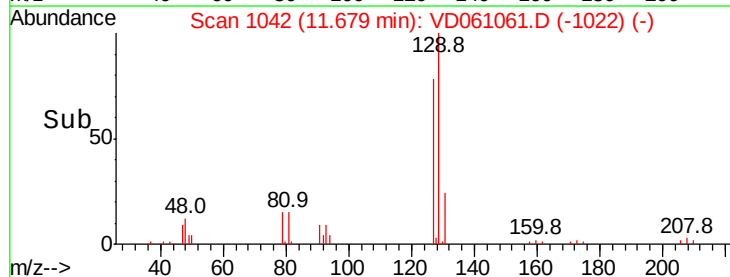
60000

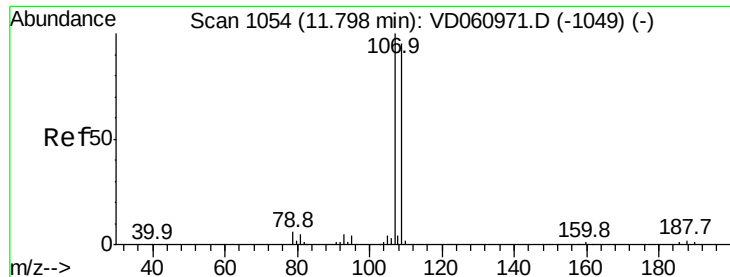
40000

20000

0

Time--> 11.60 11.70 11.80

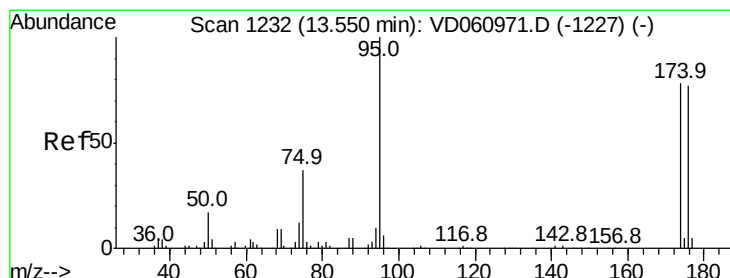
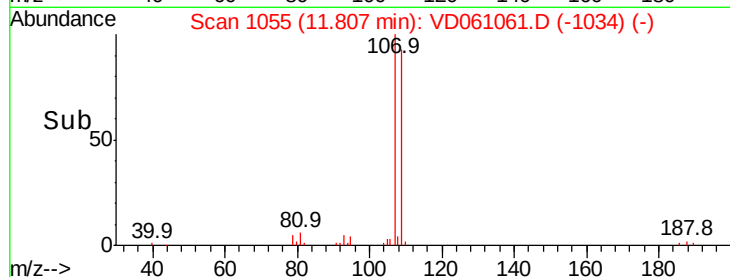
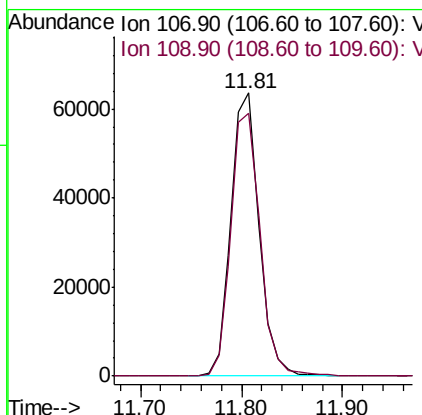
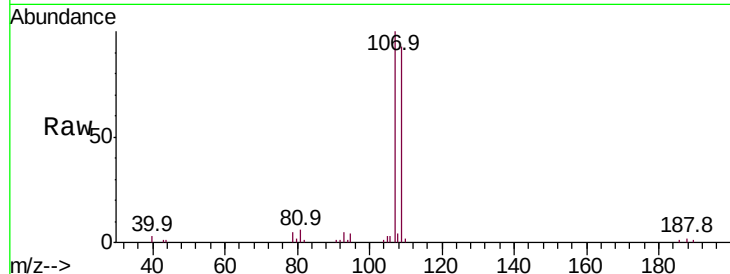




#61
 1,2-Dibromoethane
 Concen: 20.425 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

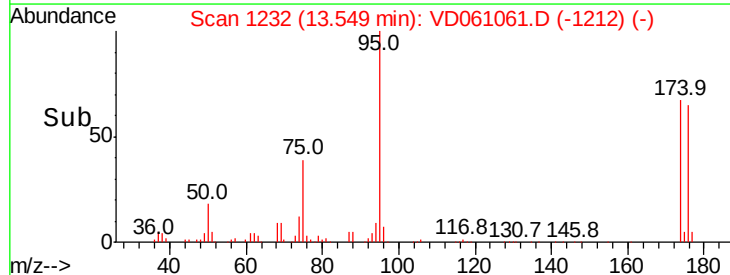
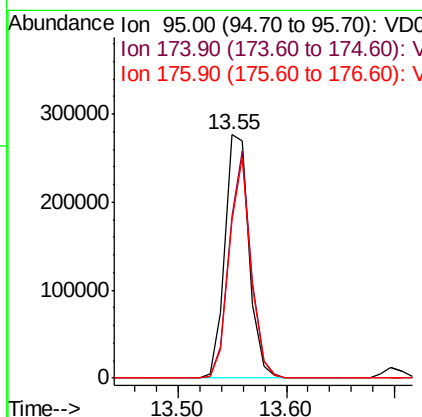
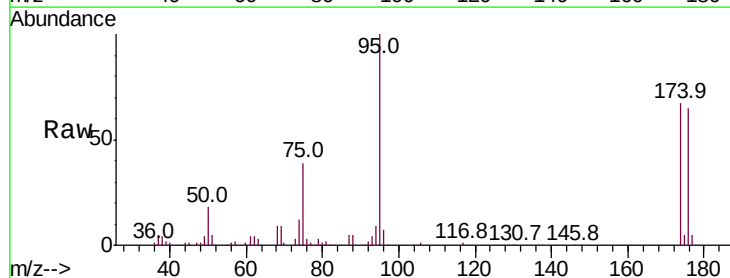
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

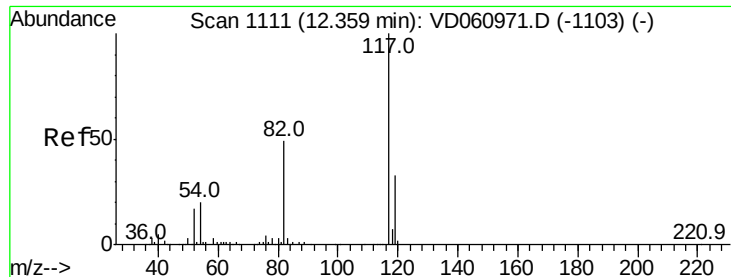
Tot Ion:107 Resp: 122769
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 20.425 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 95 Resp: 430638
 Ion Ratio Lower Upper
 95 100
 174 66.6 0.0 155.6
 176 64.9 0.0 153.8

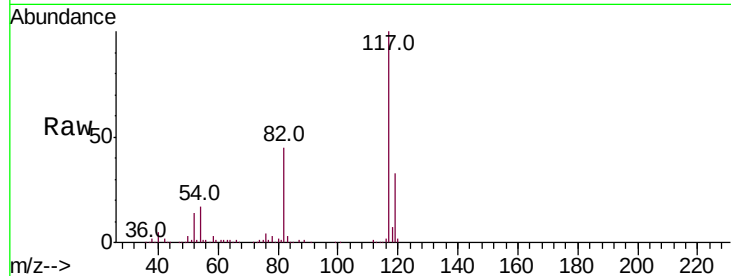




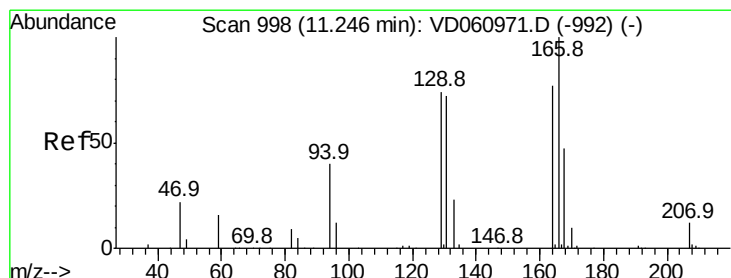
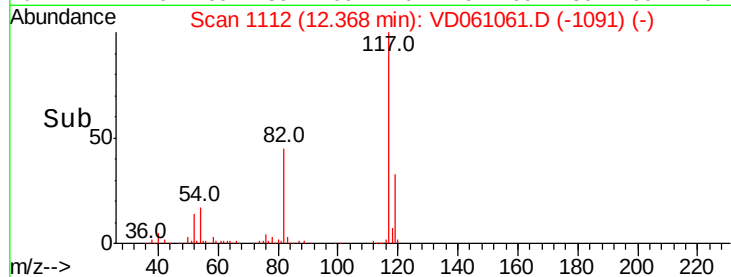
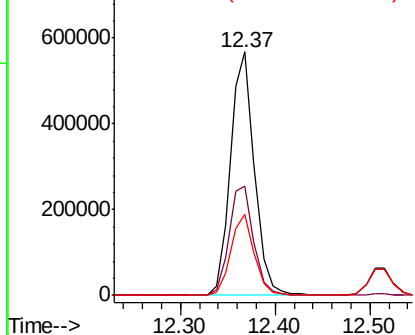
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion:117 Resp: 986502
Ion Ratio Lower Upper
117 100
82 45.0 38.9 58.3
119 33.3 26.6 39.8

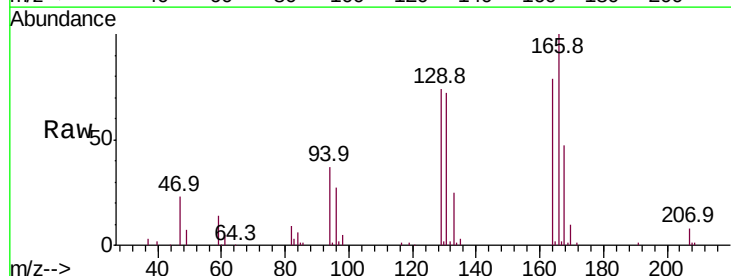


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

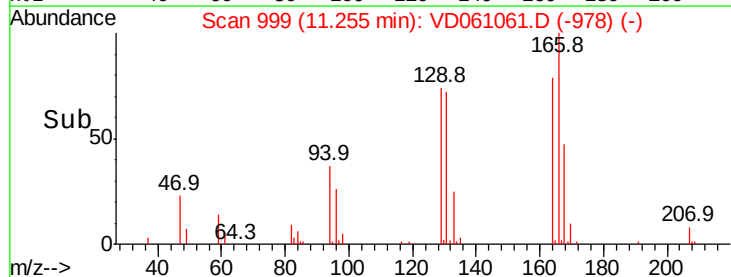
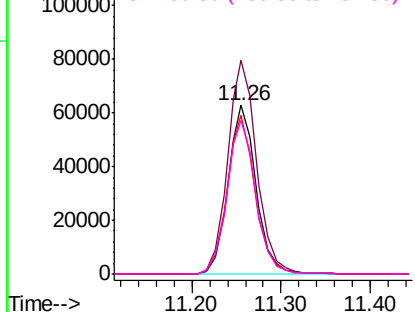


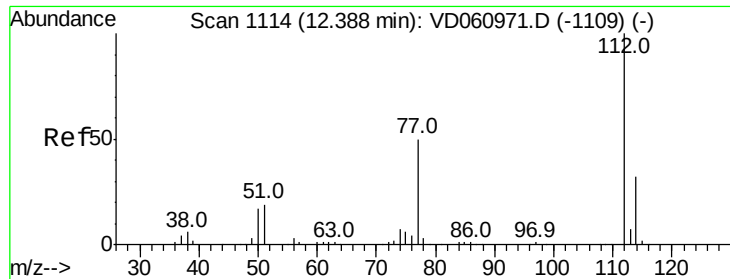
#64
Tetrachloroethene
Concen: 20.824 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion:164 Resp: 138674
Ion Ratio Lower Upper
164 100
166 126.5 103.4 155.0
129 94.0 76.9 115.3
131 91.0 74.4 111.6



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

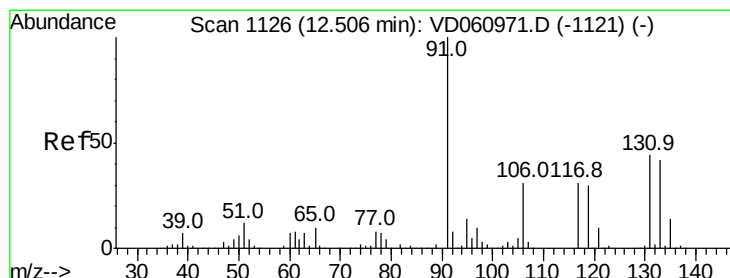
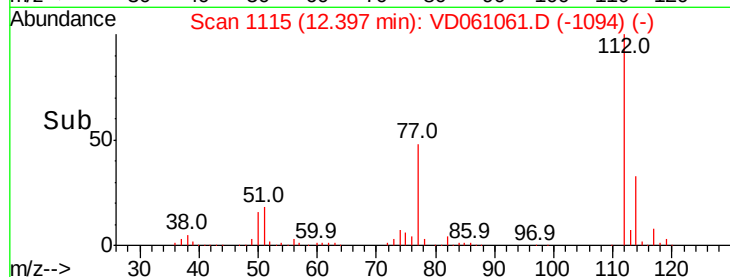
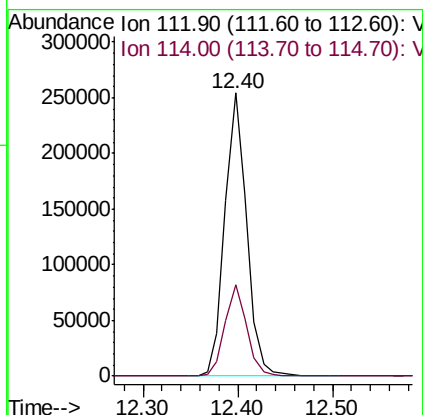
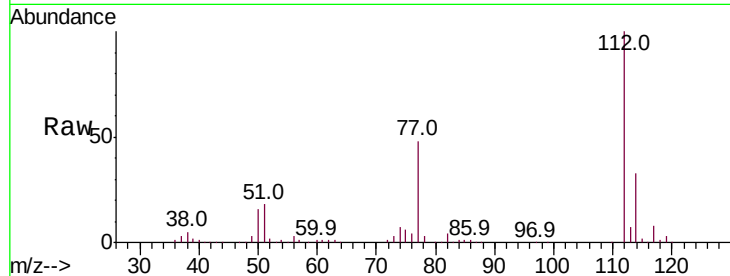




#65
Chlorobenzene
Concen: 20.973 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

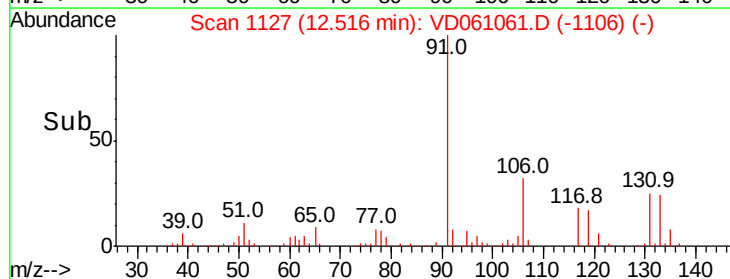
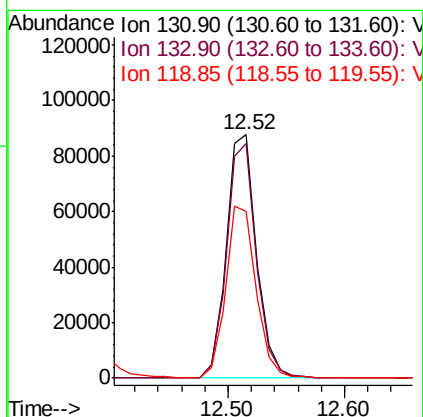
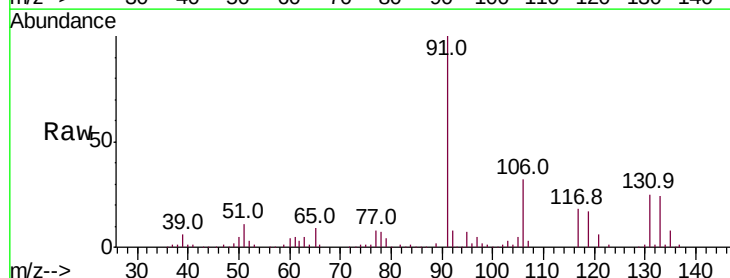
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

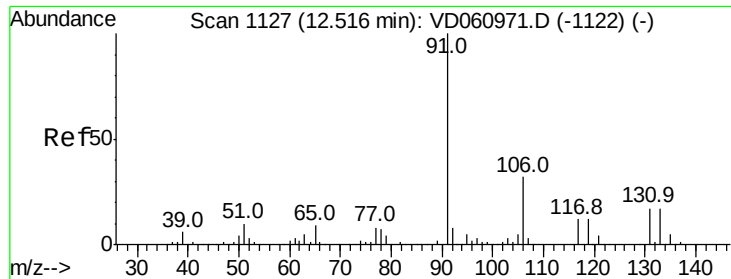
Tot Ion:112 Resp: 405606
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.673 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion:131 Resp: 156303
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 68.7 34.3 102.9

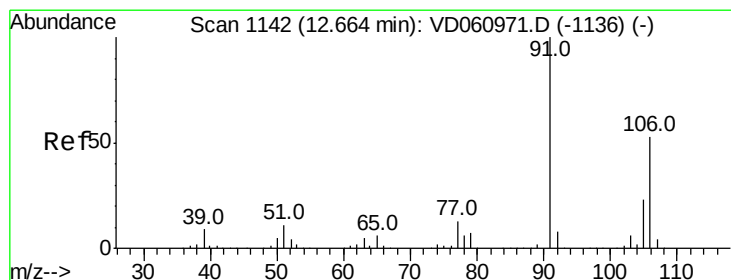
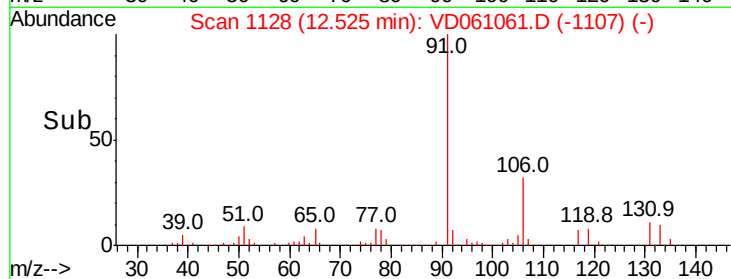
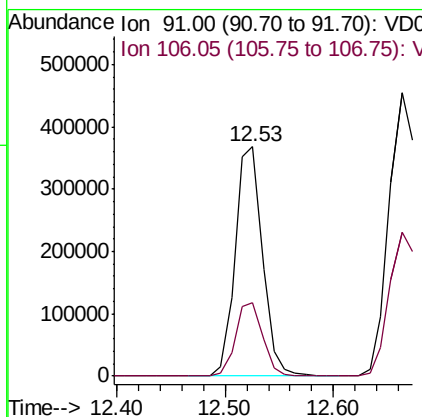
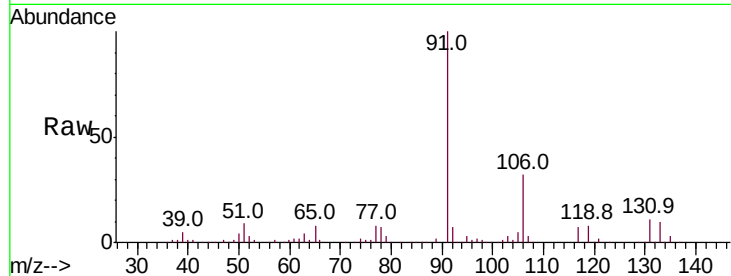




#67
Ethyl Benzene
Concen: 22.354 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

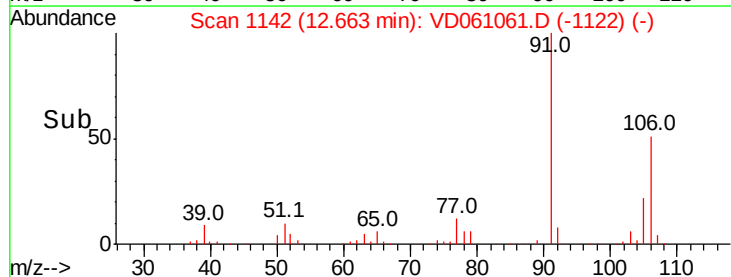
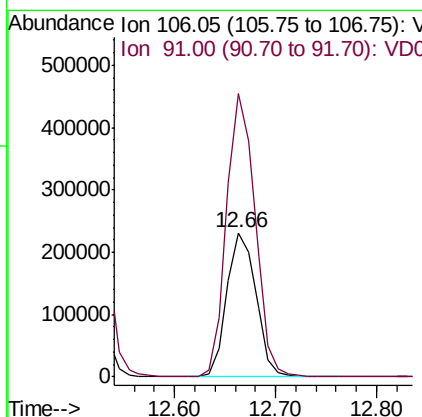
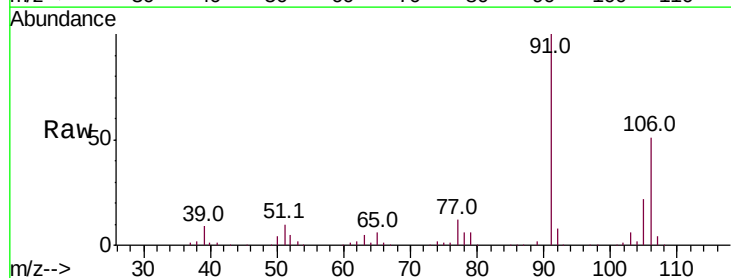
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

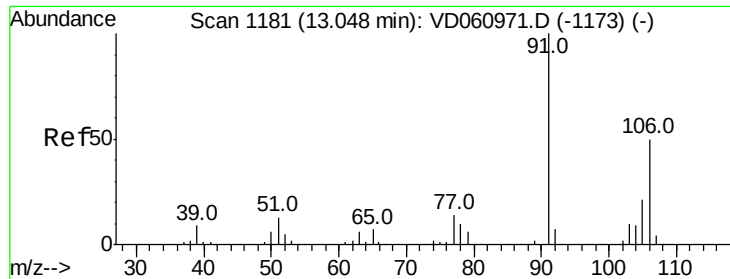
Tot Ion: 91 Resp: 643627
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5



#68
m/p-Xylenes
Concen: 41.186 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 106 Resp: 465423
Ion Ratio Lower Upper
106 100
91 196.0 152.0 228.0

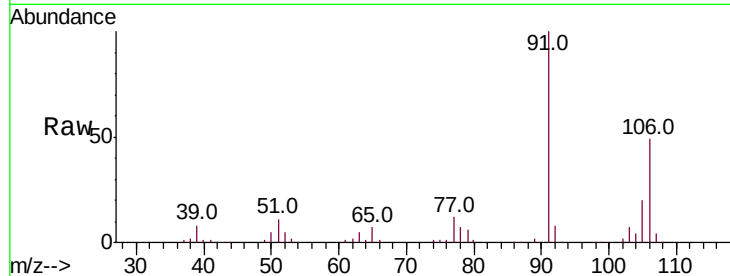




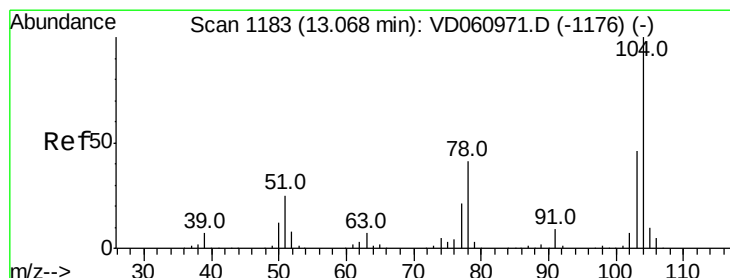
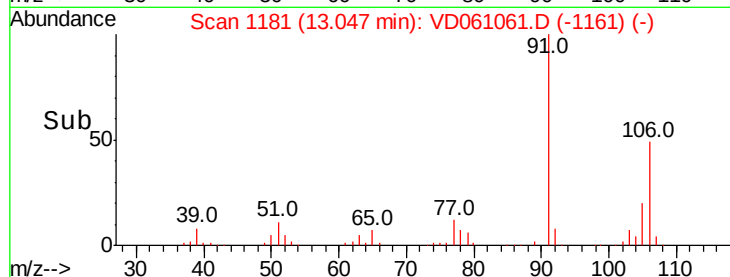
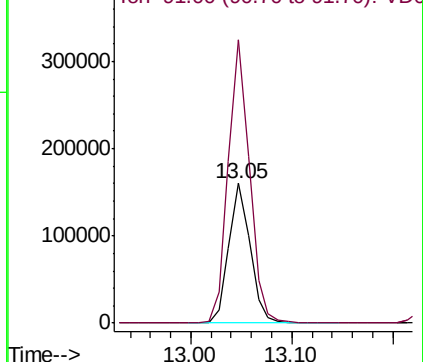
#69
o-Xylene
Concen: 21.140 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion:106 Resp: 234824
Ion Ratio Lower Upper
106 100
91 202.4 99.8 299.3

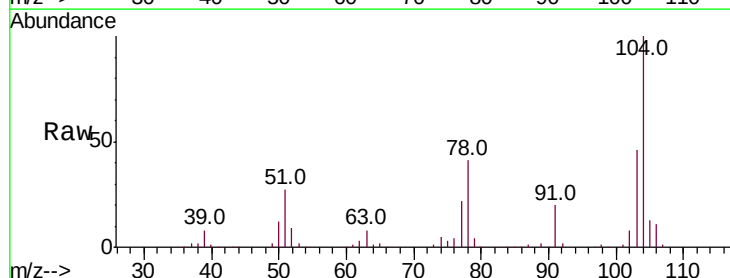


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

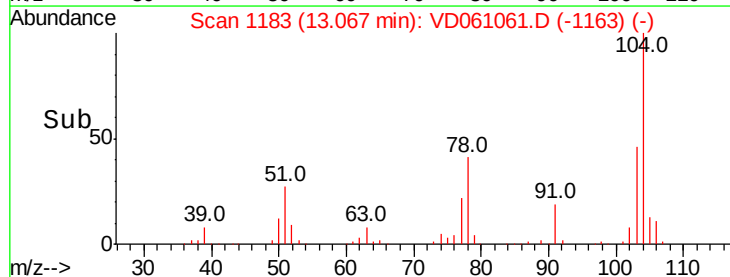
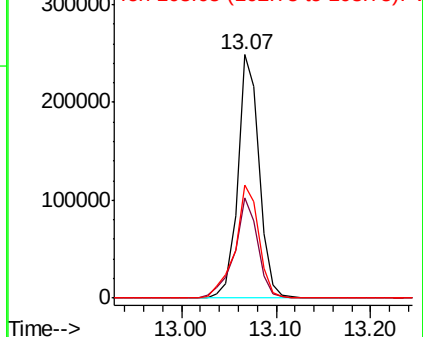


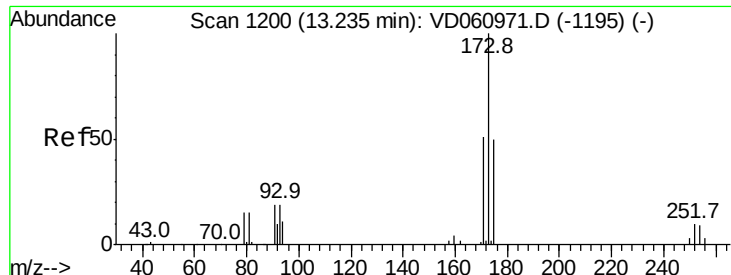
#70
Styrene
Concen: 21.302 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion:104 Resp: 386384
Ion Ratio Lower Upper
104 100
78 41.1 33.0 49.4
103 46.2 37.1 55.7



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





#71

Bromoform

Concen: 20.649 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

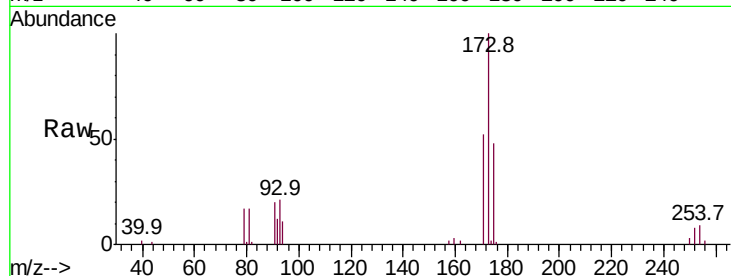
Tot Ion:173 Resp: 91830

Ion Ratio Lower Upper

173 100

175 47.6 24.9 74.8

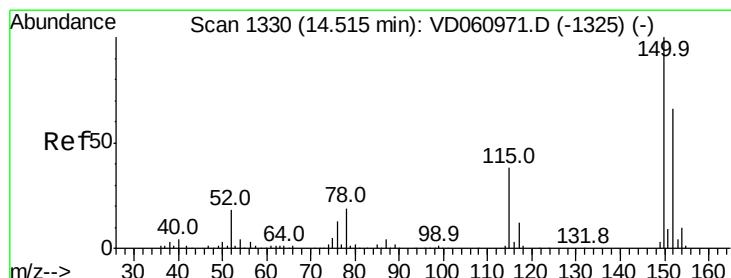
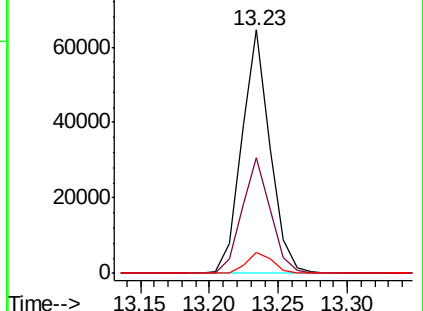
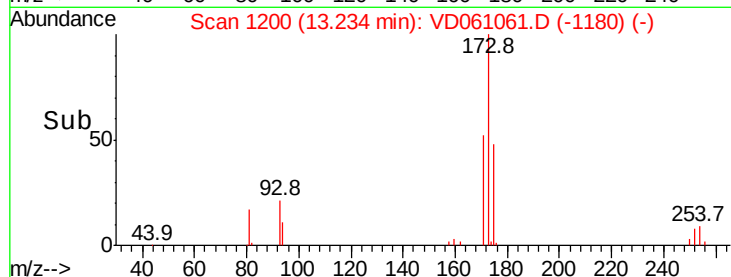
254 8.7 7.3 10.9



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: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

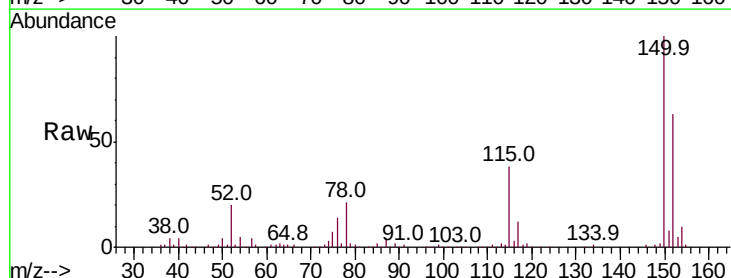
Tgt Ion:152 Resp: 417831

Ion Ratio Lower Upper

152 100

115 61.5 28.6 85.9

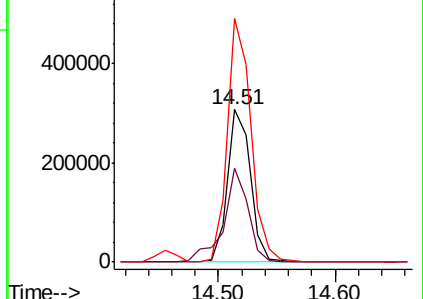
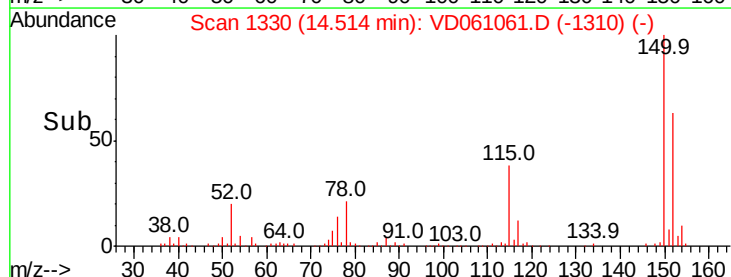
150 159.8 0.0 310.6

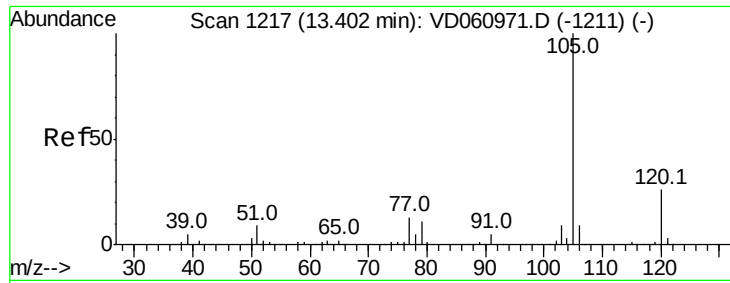


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

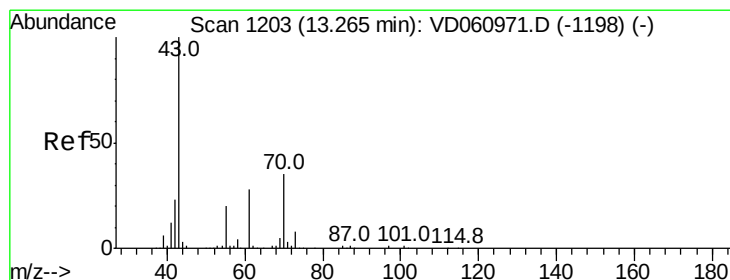
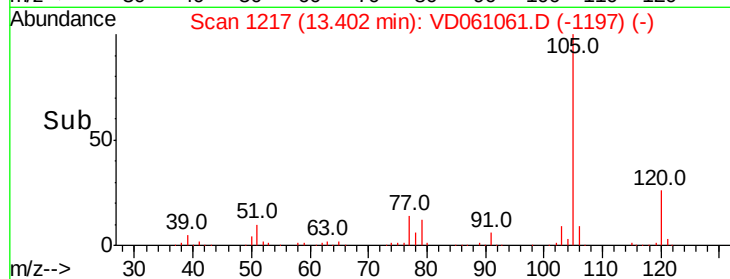
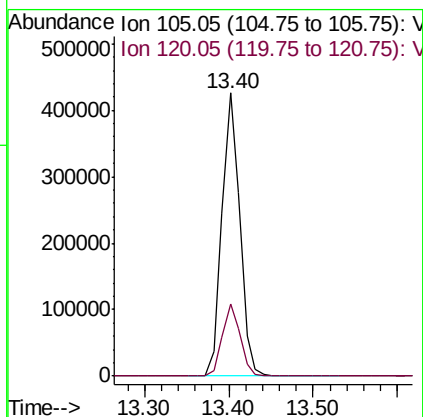
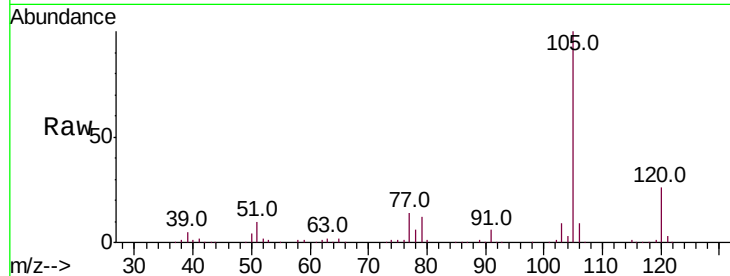




#73
Isopropylbenzene
Concen: 20.829 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

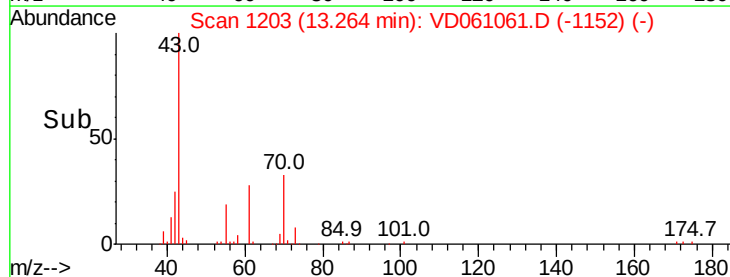
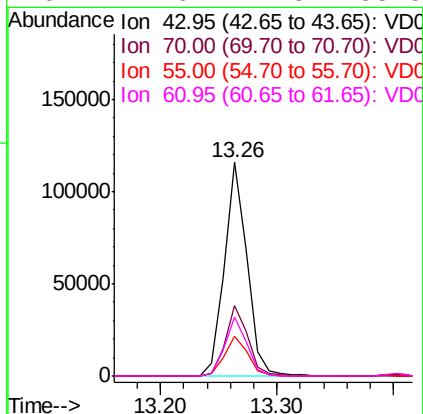
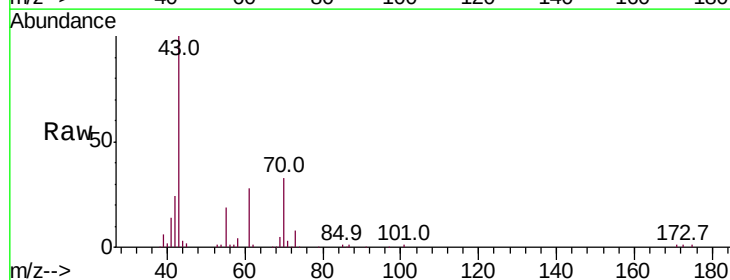
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

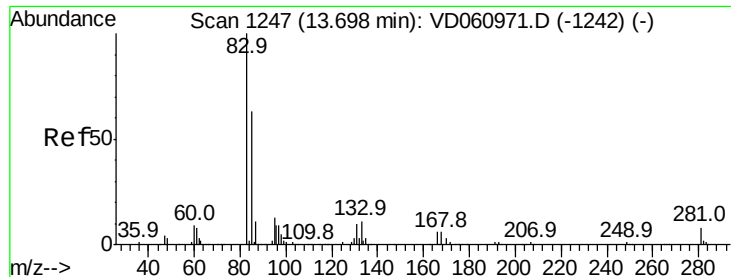
Tot Ion:105 Resp: 627192
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4



#74
N-ethyl acetate
Concen: 18.298 ug/l
RT: 13.26 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 43 Resp: 155144
Ion Ratio Lower Upper
43 100
70 33.1 27.7 41.5
55 18.7 16.2 24.2
61 27.6 22.3 33.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.448 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

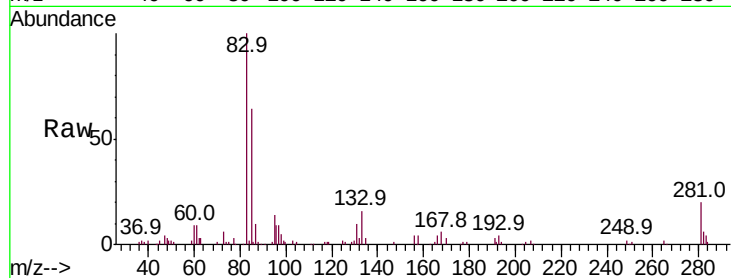
Tot Ion: 83 Resp: 114259

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	63.8	31.5	94.5

83 100

131 10.1 5.1 15.3

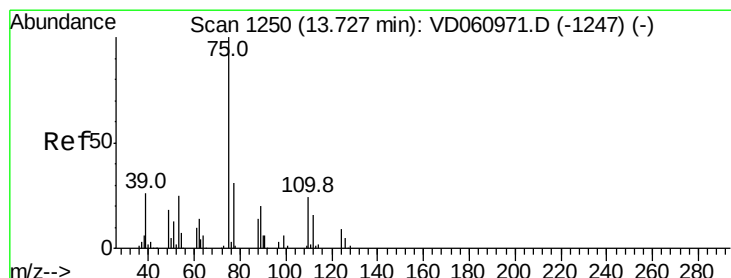
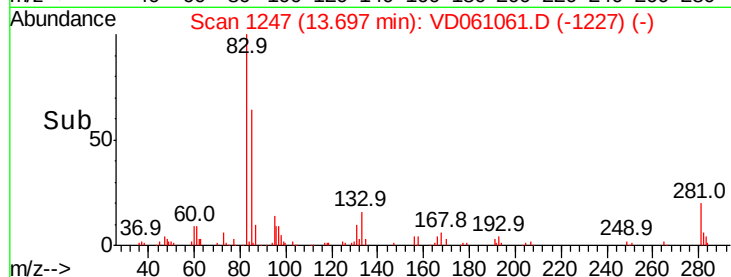
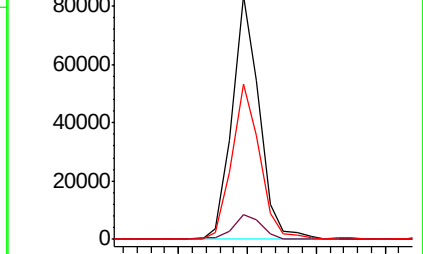
85 63.8 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.617 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061061.D

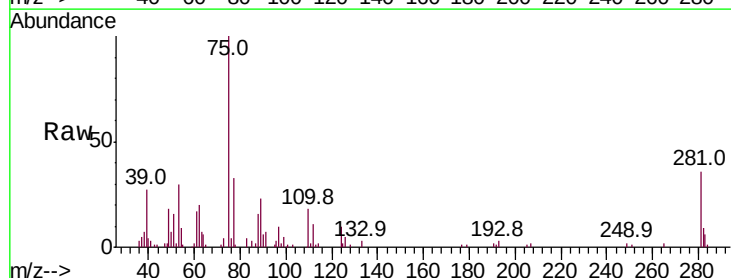
Acq: 14 Mar 2019 13:35

Tgt Ion: 75 Resp: 111913

Ion	Ratio	Lower	Upper
75	100		
77	32.6	16.6	49.7

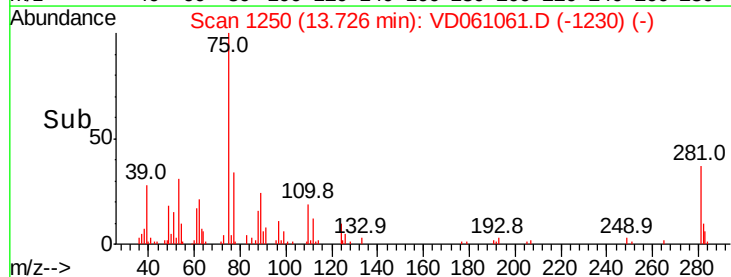
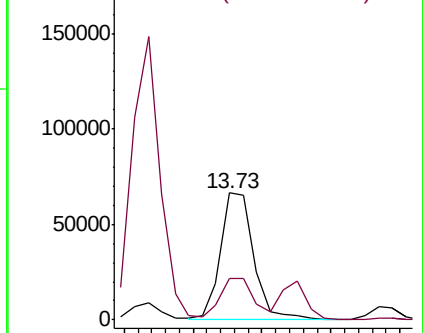
75 100

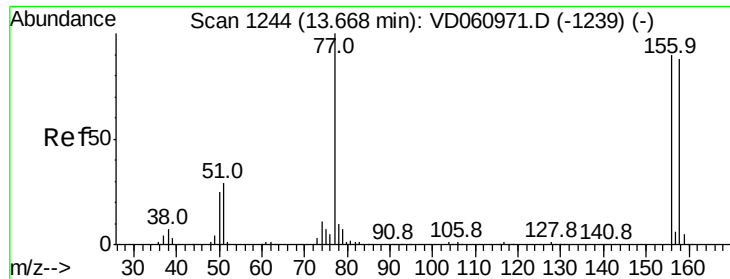
77 32.6 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.200 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

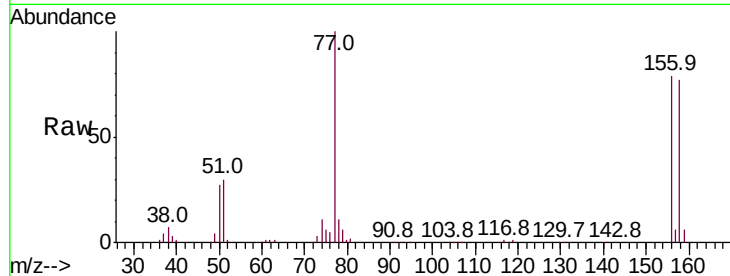
Tot Ion:156 Resp: 162961

Ion Ratio Lower Upper

156 100

77 126.5 55.5 166.7

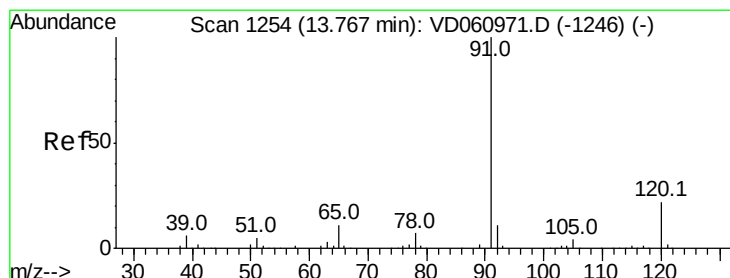
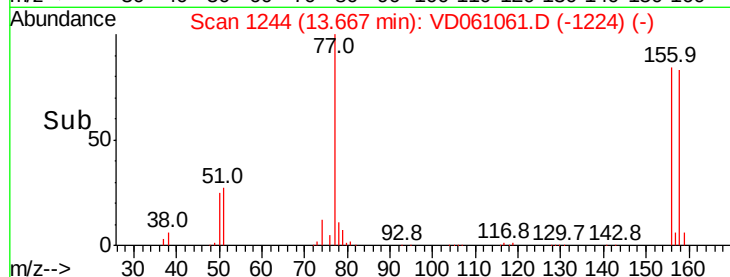
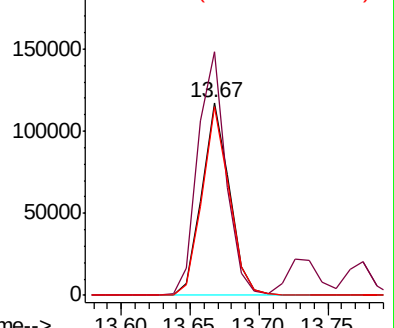
158 98.0 49.0 147.0



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: 21.103 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061061.D

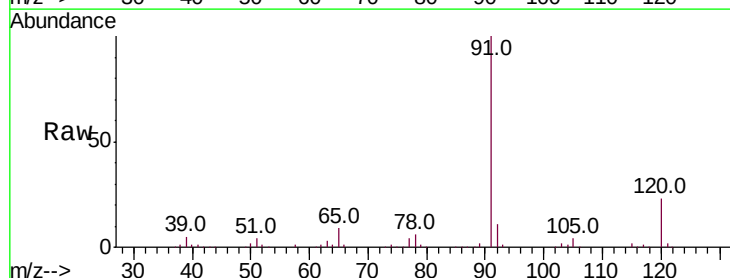
Acq: 14 Mar 2019 13:35

Tgt Ion: 91 Resp: 743938

Ion Ratio Lower Upper

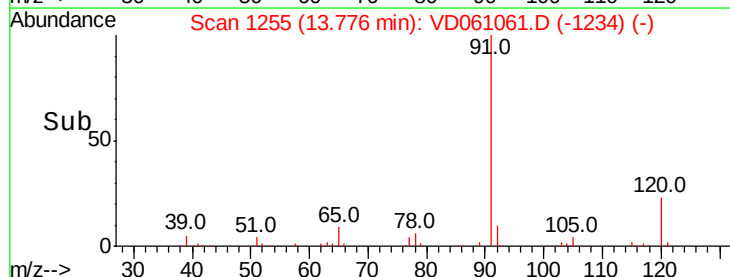
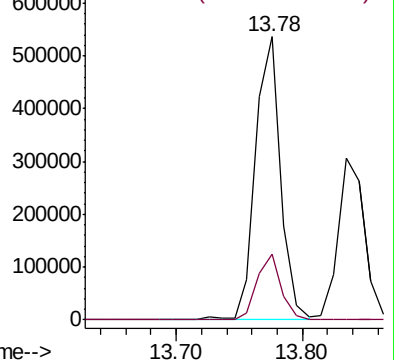
91 100

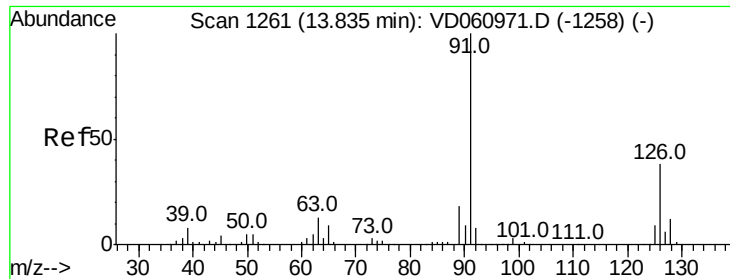
120 23.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

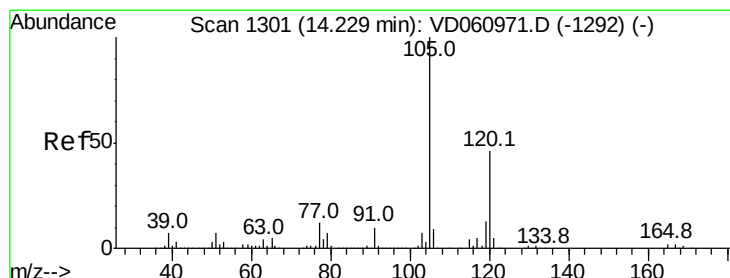
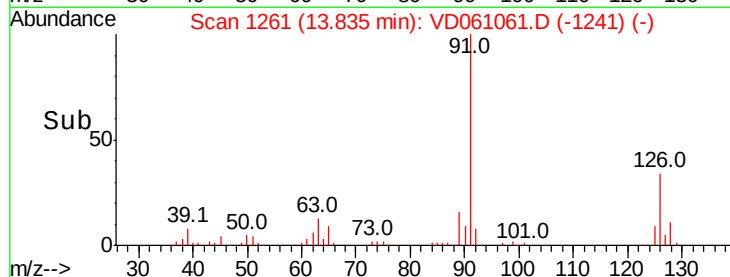
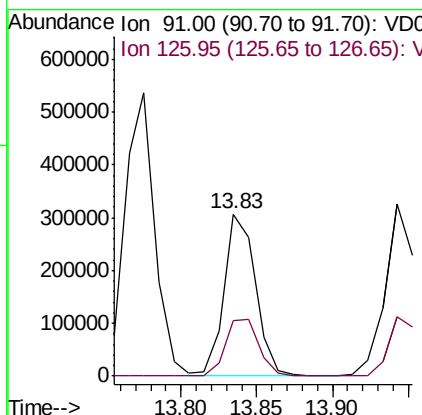
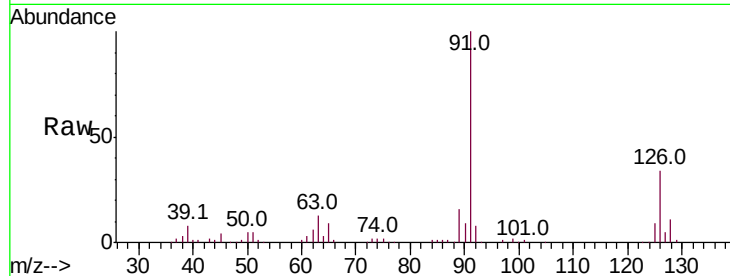




#79
 2-Chlorotoluene
 Concen: 22.752 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

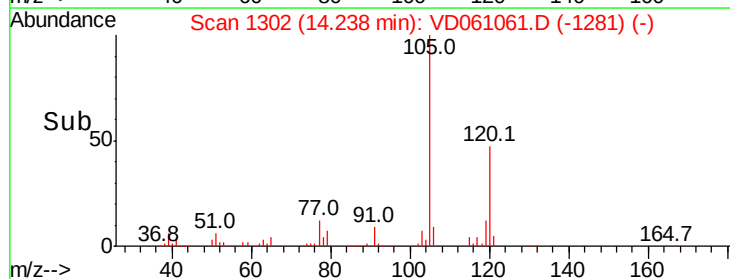
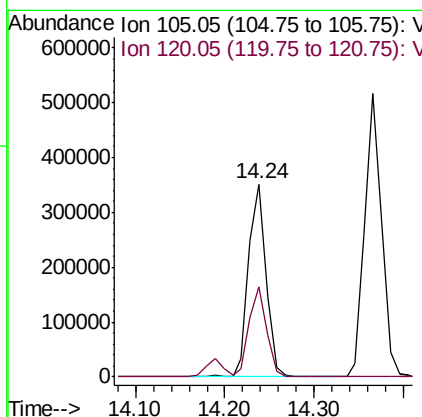
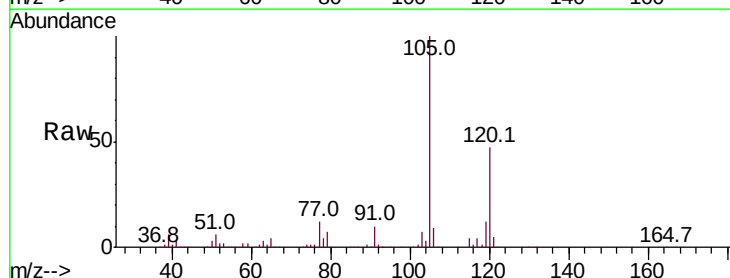
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

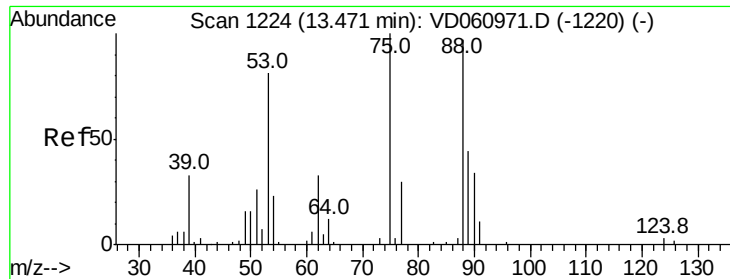
Tot Ion: 91 Resp: 441572
 Ion Ratio Lower Upper
 91 100
 126 34.5 18.6 55.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.964 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion:105 Resp: 479249
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.678 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

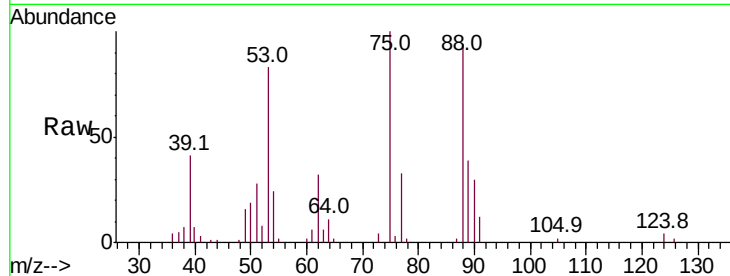
Tot Ion: 75 Resp: 34874

Ion Ratio Lower Upper

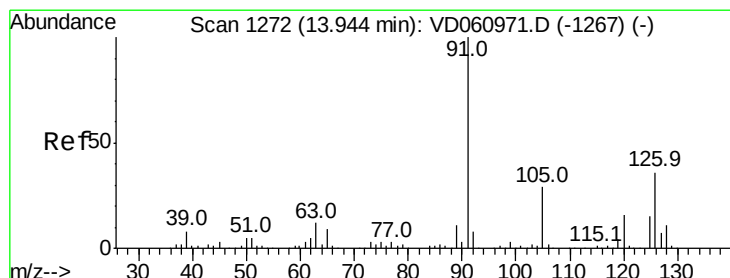
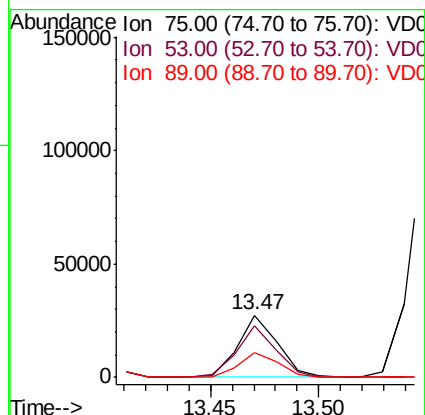
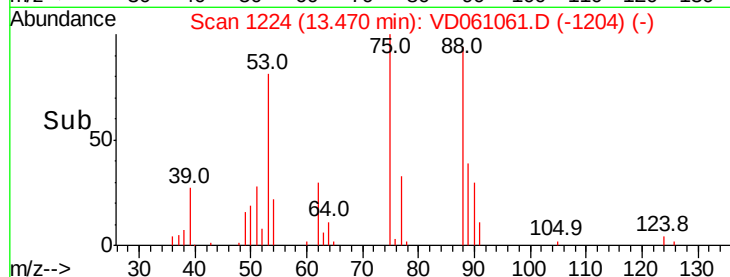
75 100

53 82.7 64.4 96.6

89 39.4 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.142 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061061.D

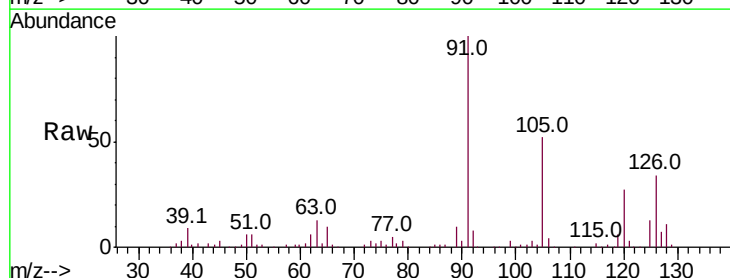
Acq: 14 Mar 2019 13:35

Tgt Ion: 91 Resp: 462135

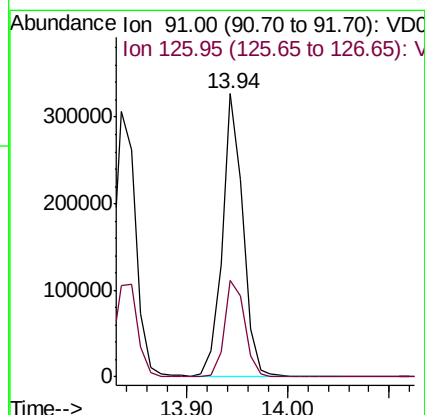
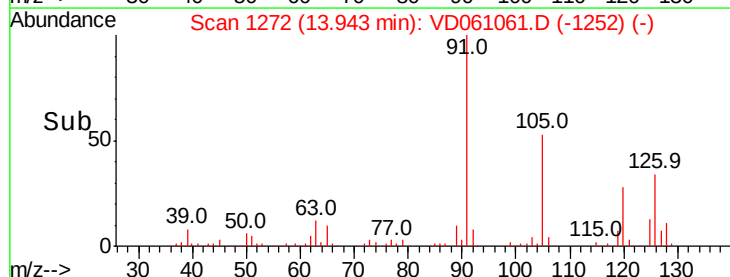
Ion Ratio Lower Upper

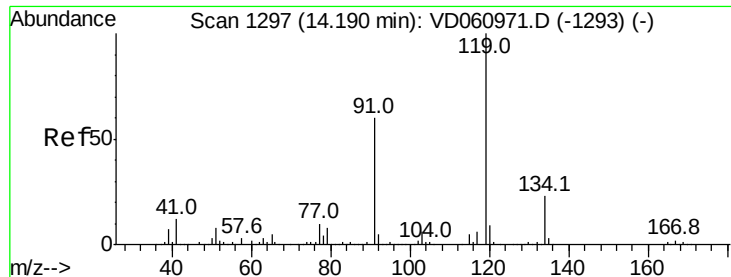
91 100

126 34.0 18.0 54.0



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





#83

tert-Butylbenzene

Concen: 23.465 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

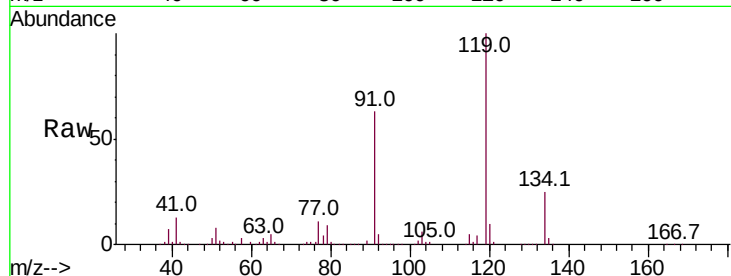
Tot Ion:119 Resp: 587029

Ion Ratio Lower Upper

119 100

91 63.2 30.1 90.3

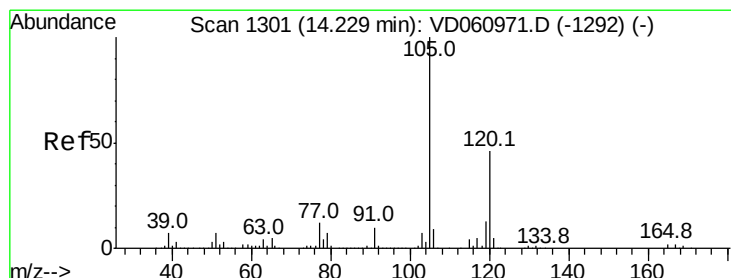
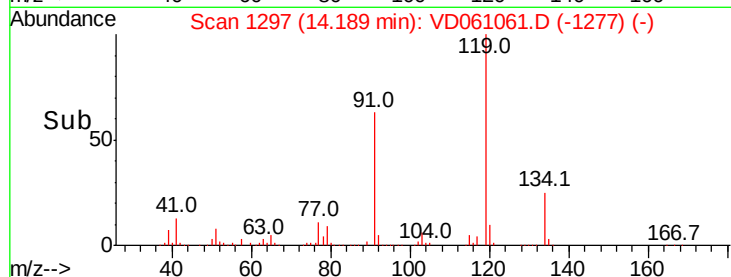
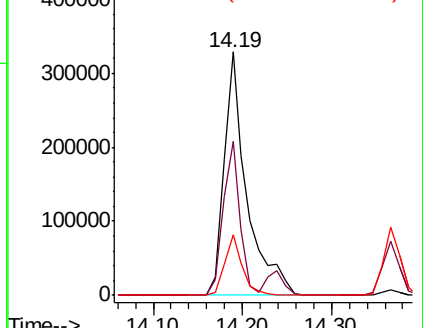
134 24.7 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.964 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061061.D

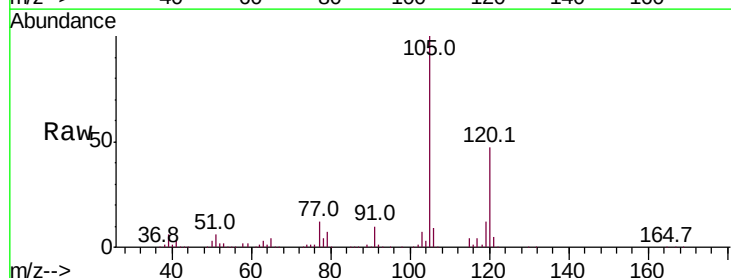
Acq: 14 Mar 2019 13:35

Tgt Ion:105 Resp: 479249

Ion Ratio Lower Upper

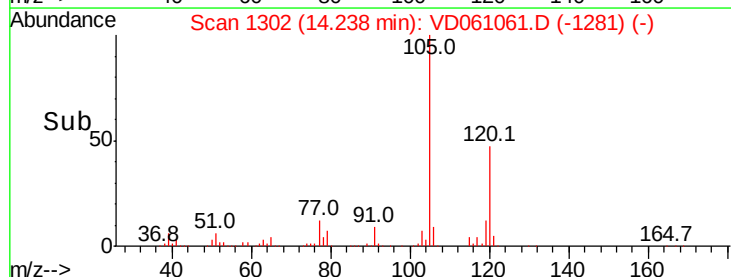
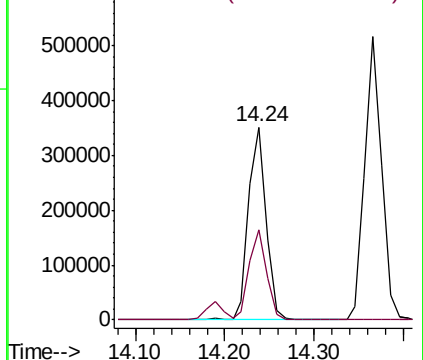
105 100

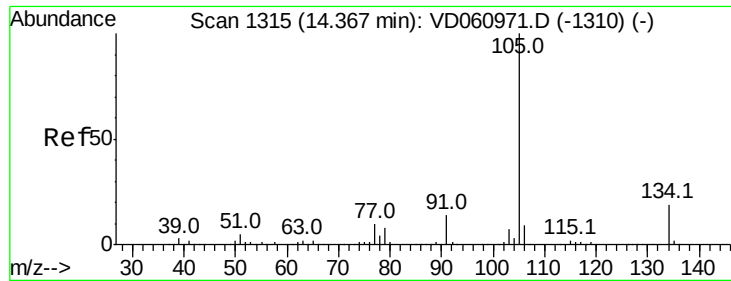
120 46.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

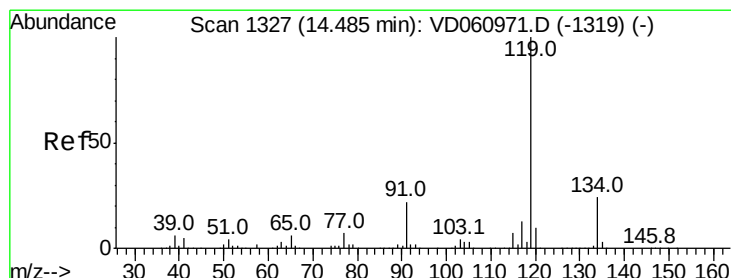
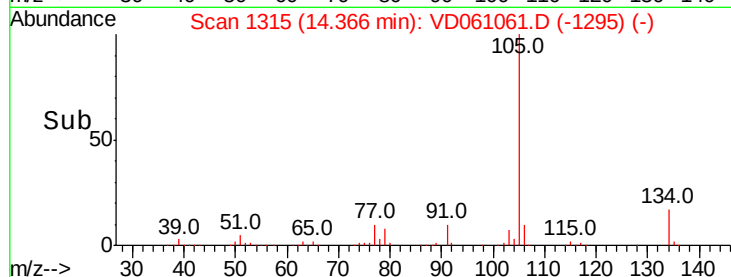
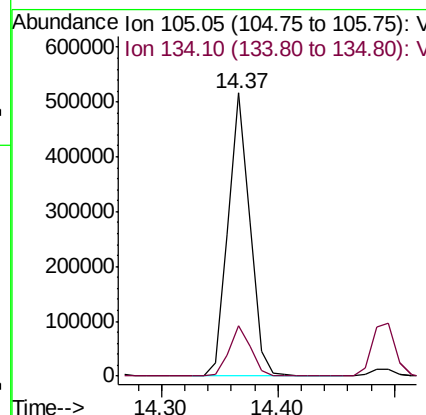
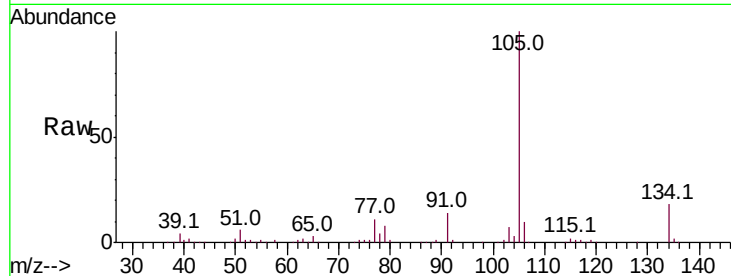




#85
 sec-Butylbenzene
 Concen: 21.942 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

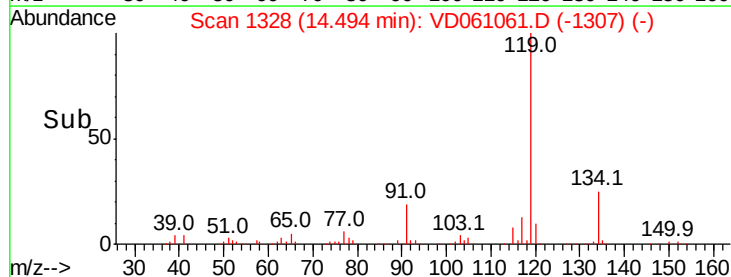
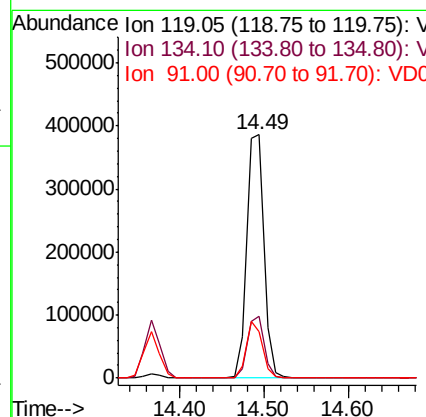
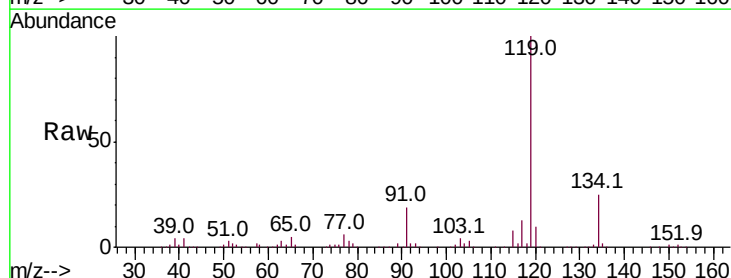
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

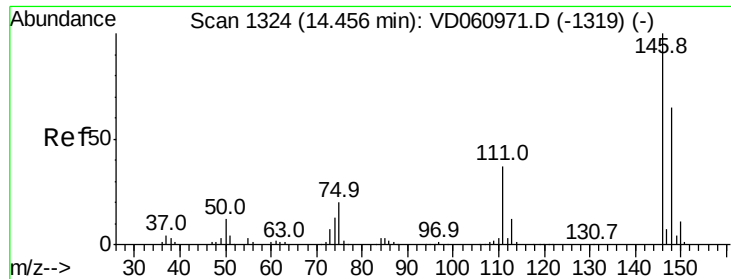
Tot Ion:105 Resp: 670139
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 22.010 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion:119 Resp: 549468
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.0 36.1
 91 19.2 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 21.729 ug/l

RT: 14.45 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

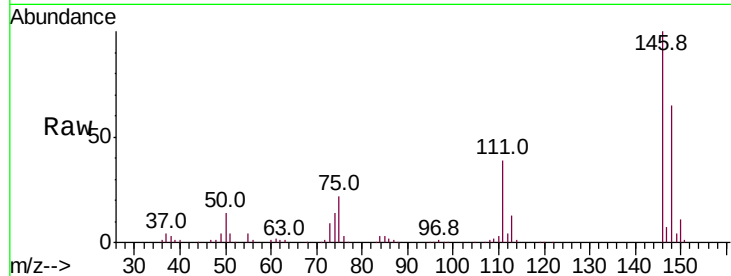
Tot Ion:146 Resp: 298248

Ion Ratio Lower Upper

146 100

111 39.4 18.4 55.4

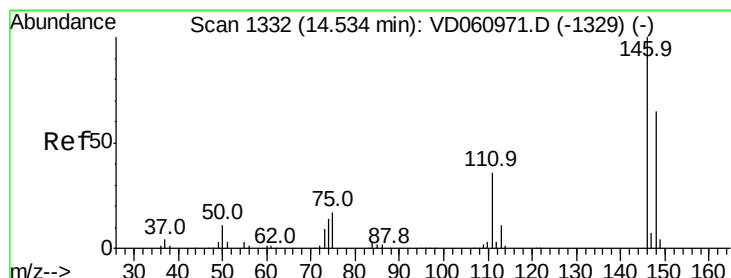
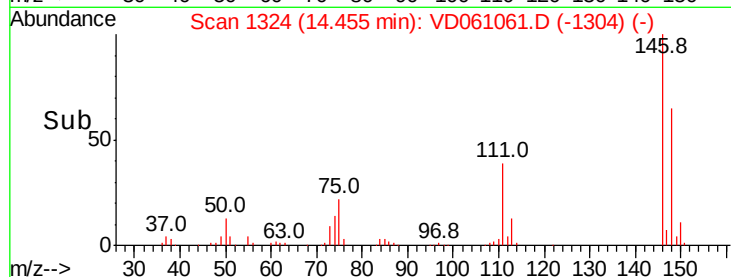
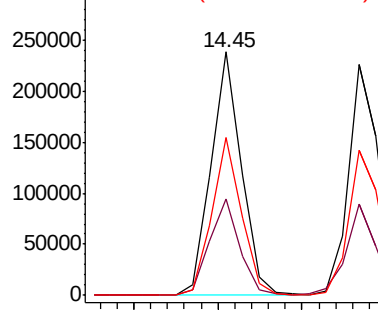
148 64.8 32.5 97.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.963 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

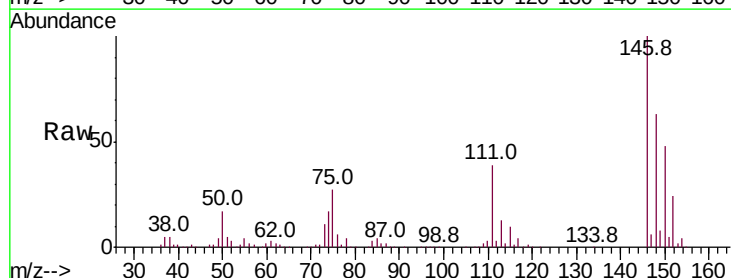
Tgt Ion:146 Resp: 282750

Ion Ratio Lower Upper

146 100

111 39.5 18.4 55.2

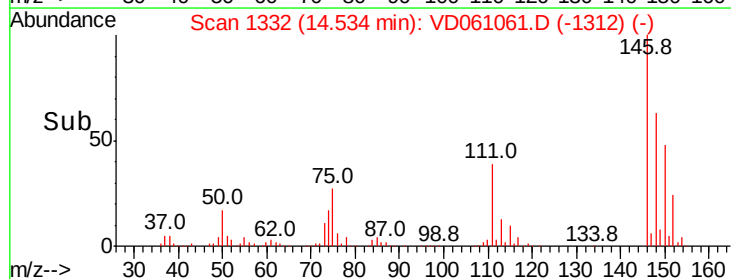
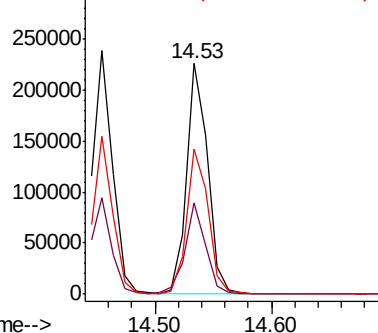
148 62.7 32.5 97.5

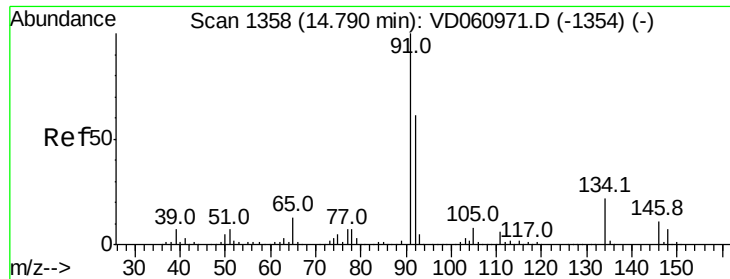


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.437 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

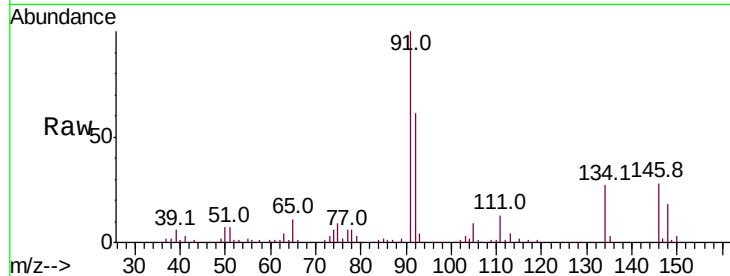
Tot Ion: 91 Resp: 489965

Ion Ratio Lower Upper

91 100

92 61.0 30.6 91.8

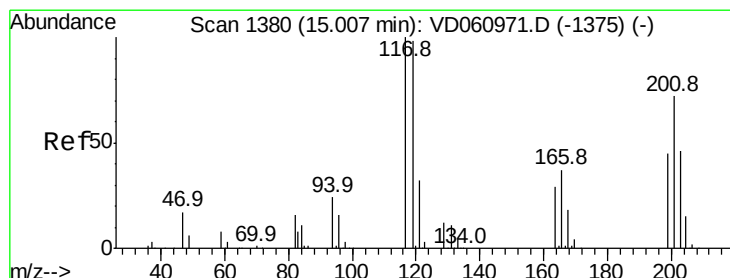
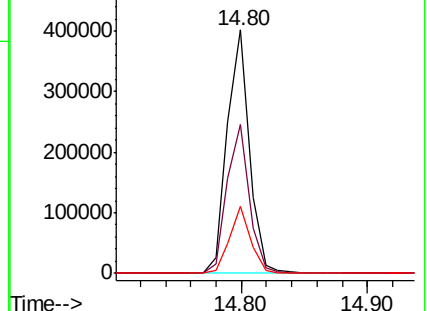
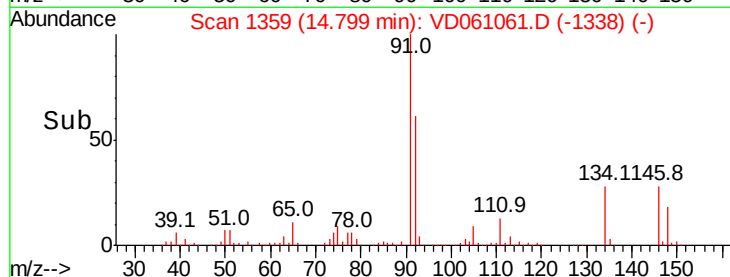
134 27.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.782 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061061.D

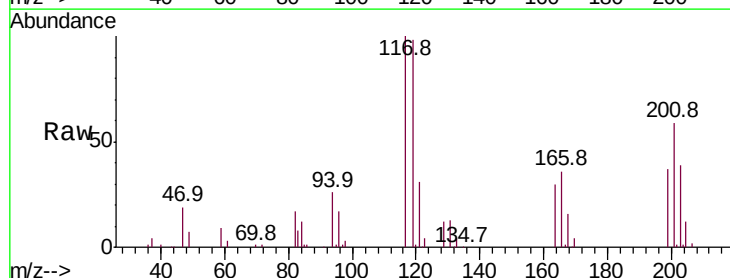
Acq: 14 Mar 2019 13:35

Tgt Ion: 117 Resp: 146500

Ion Ratio Lower Upper

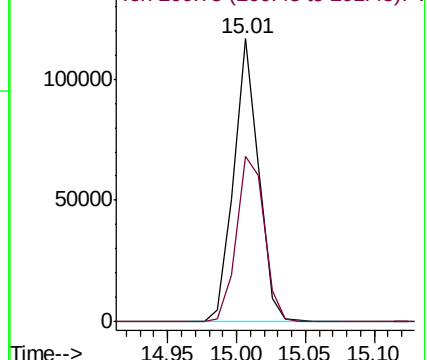
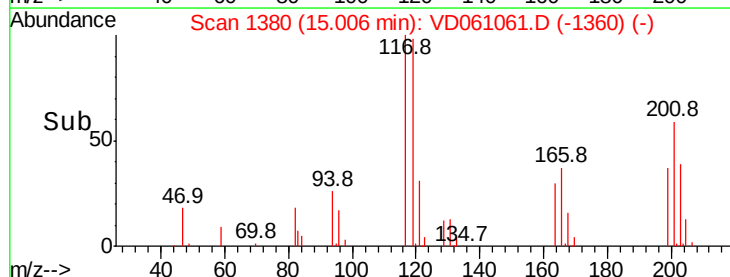
117 100

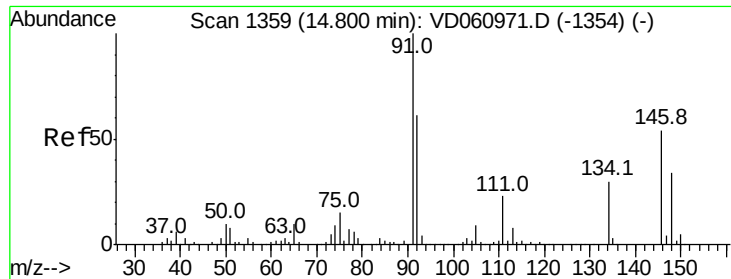
201 58.6 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

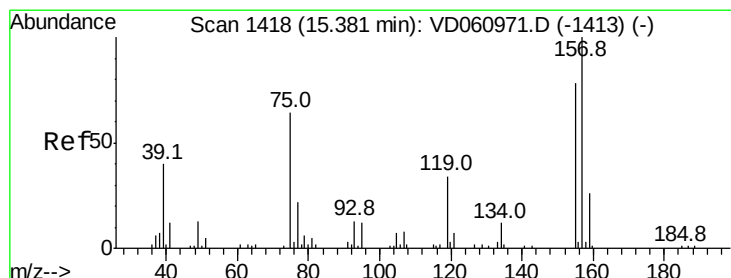
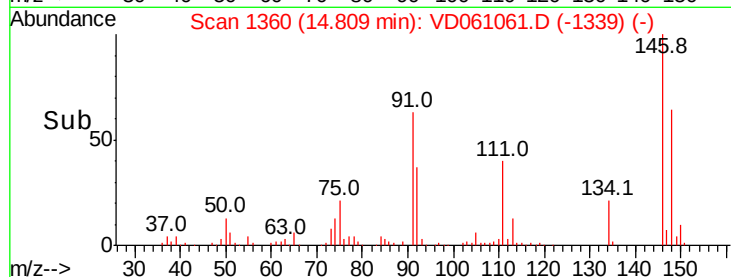
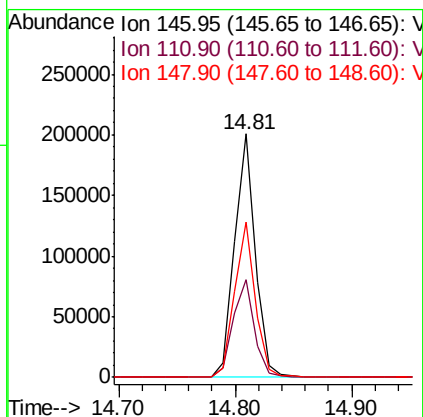
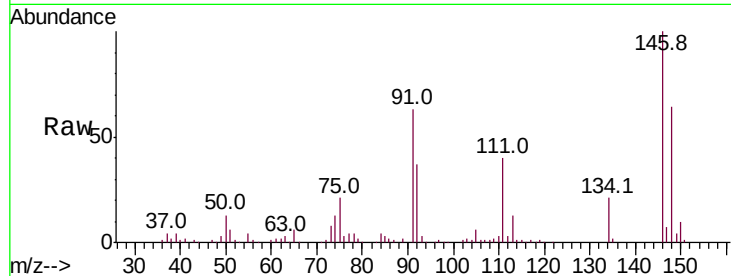




#91
 1,2-Dichlorobenzene
 Concen: 21.599 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

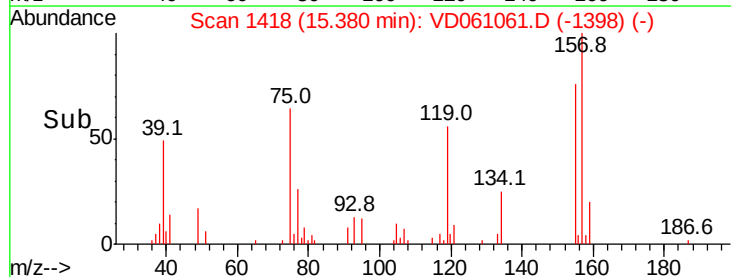
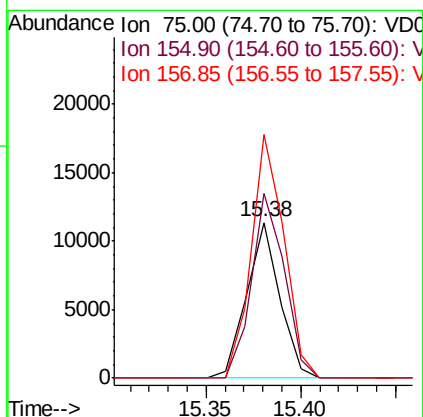
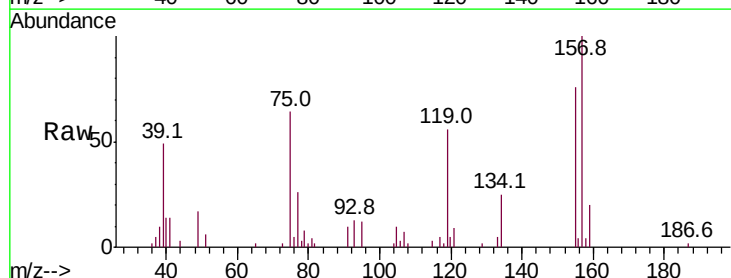
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

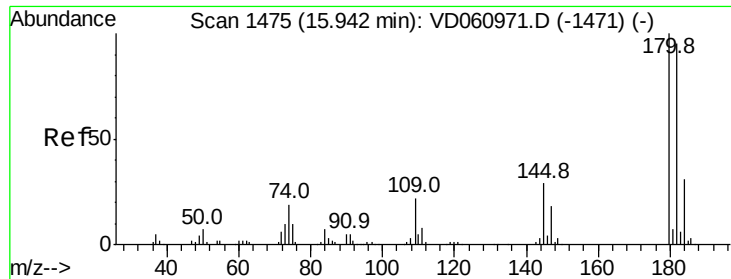
Tot Ion:146 Resp: 247150
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.5 64.5
 148 63.9 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.348 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 75 Resp: 13698
 Ion Ratio Lower Upper
 75 100
 155 119.0 61.2 183.5
 157 156.8 78.3 234.8

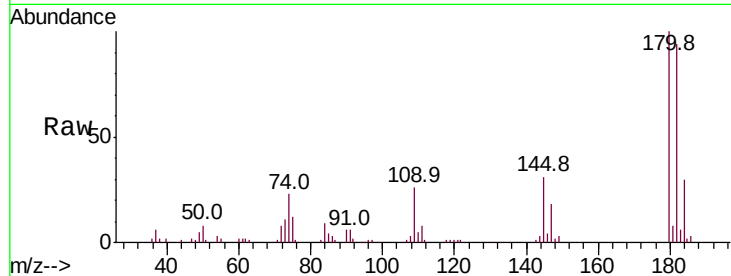




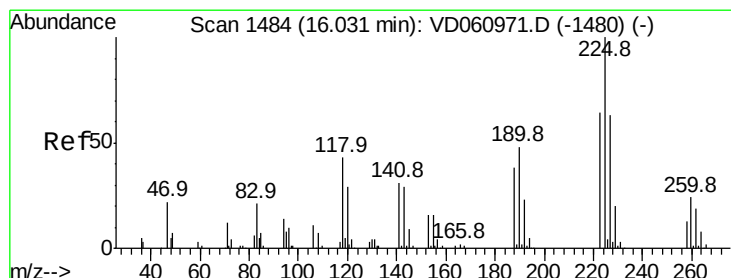
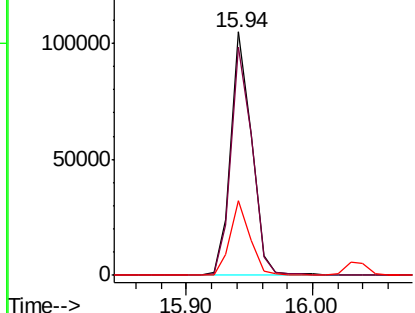
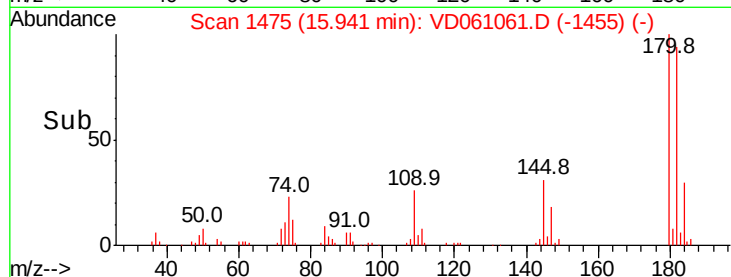
#93
 1,2,4-Trichlorobenzene
 Concen: 22.560 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion:180 Resp: 119752
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.3 142.0
 145 30.9 14.4 43.0

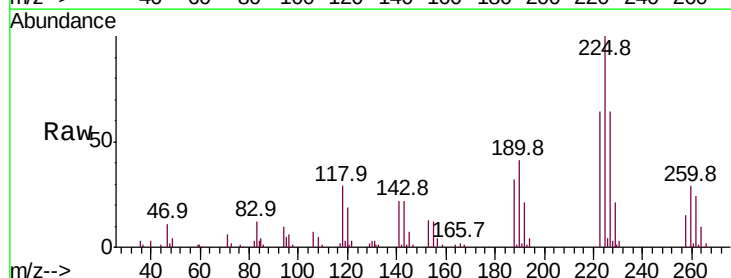


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

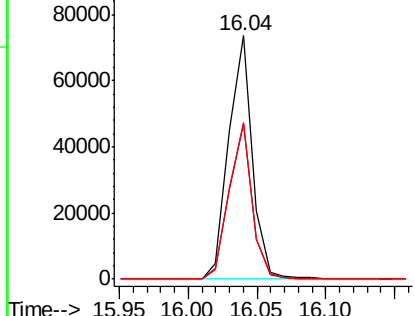
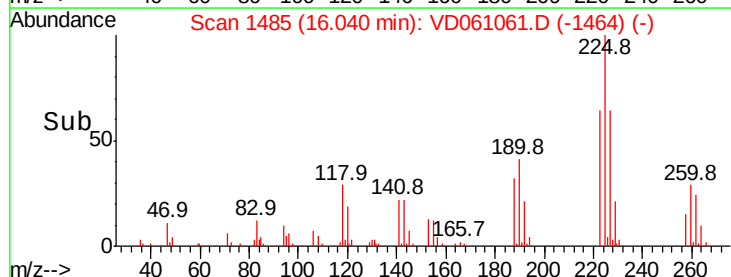


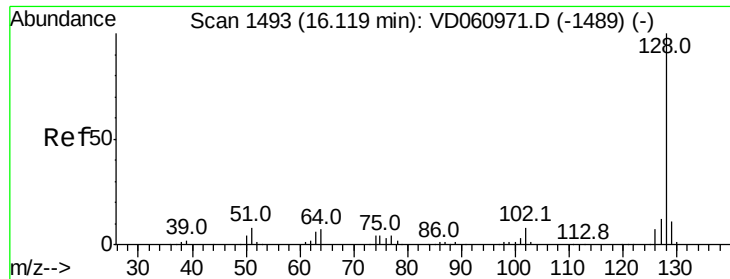
#94
 Hexachlorobutadiene
 Concen: 21.845 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion:225 Resp: 87708
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.8 95.3
 227 64.2 31.4 94.0



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

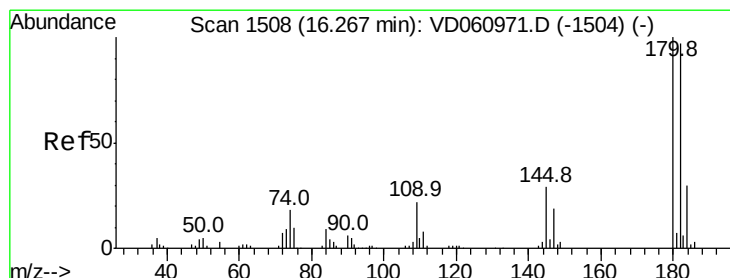
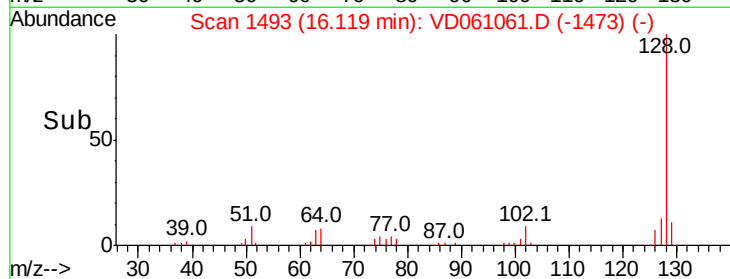
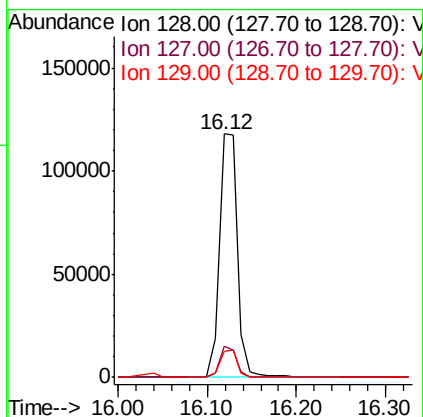
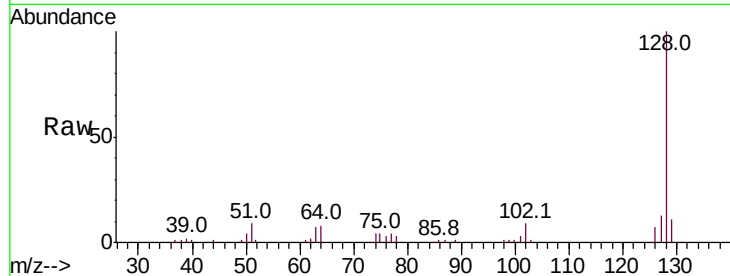




#95
Naphthalene
Concen: 20.750 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion:128 Resp: 167382
Ion Ratio Lower Upper
128 100
127 12.9 9.8 14.8
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.102 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion:180 Resp: 57947
Ion Ratio Lower Upper
180 100
182 95.3 48.6 145.8
145 33.8 14.3 42.9

