

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061506.D
 Acq On : 2 Apr 2019 10:25
 Operator : VA/AP
 Sample : VD04SBSD03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 00:45:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	654626	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	1061906	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	921425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	423492	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	303856	54.34	ug/l	0.01
Spiked Amount			Recovery	=	108.68%	
35) Dibromofluoromethane	6.91	113	452037	55.70	ug/l	0.01
Spiked Amount			Recovery	=	111.40%	
50) Toluene-d8	10.40	98	1076509	55.31	ug/l	0.01
Spiked Amount			Recovery	=	110.62%	
62) 4-Bromofluorobenzene	13.55	95	443263	59.39	ug/l	0.00
Spiked Amount			Recovery	=	118.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	156223	22.346	ug/l	99
3) Chloromethane	1.76	50	133087	23.342	ug/l	93
4) Vinyl Chloride	1.85	62	127939	24.439	ug/l	99
5) Bromomethane	2.16	94	19213	18.508	ug/l	96
6) Chloroethane	2.27	64	32029	20.863	ug/l	94
7) Trichlorofluoromethane	2.53	101	180748	23.743	ug/l	100
8) Diethyl Ether	2.88	74	50340	20.539	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	188970	23.090	ug/l	99
10) Methyl Iodide	3.31	142	210866	19.239	ug/l	99
11) Tert butyl alcohol	4.07	59	37673	108.176	ug/l #	91
12) 1,1-Dichloroethene	3.13	96	153558	21.854	ug/l	97
13) Acrolein	3.03	56	21502	63.986	ug/l	92
14) Allyl chloride	3.62	41	231869	23.659	ug/l	97
15) Acrylonitrile	4.19	53	133943	110.813	ug/l	98
16) Acetone	3.22	43	149724	104.153	ug/l	98
17) Carbon Disulfide	3.38	76	459880	20.144	ug/l	99
18) Methyl Acetate	3.64	43	71783	23.750	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	267425	21.987	ug/l	98
20) Methylene Chloride	3.81	84	183820	21.741	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	178404	23.517	ug/l	96
22) Diisopropyl ether	5.11	45	460747	22.216	ug/l	98
23) Vinyl Acetate	5.05	43	1225671	108.800	ug/l	98
24) 1,1-Dichloroethane	4.97	63	267519	21.949	ug/l	100
25) 2-Butanone	6.07	43	195362	108.037	ug/l	98
26) 2,2-Dichloropropane	6.02	77	223468	23.064	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	192224	23.127	ug/l	95
28) Bromochloromethane	6.43	49	113204	23.009	ug/l #	97
29) Tetrahydrofuran	6.45	42	100688	114.879	ug/l	100
30) Chloroform	6.66	83	295572	23.470	ug/l	98
31) Cyclohexane	6.94	56	235057	24.405	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	256404	23.078	ug/l	98
36) 1,1-Dichloropropene	7.13	75	221280	23.876	ug/l	99
37) Ethyl Acetate	6.17	43	98583	24.871	ug/l	96
38) Carbon Tetrachloride	7.10	117	263167	24.711	ug/l	94

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 Sample : VD04SBSD03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 00:45:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	219583	22.749	ug/l	98
40) Benzene	7.44	78	571721	24.579	ug/l	98
41) Methacrylonitrile	6.43	41	111727	24.107	ug/l #	94
42) 1,2-Dichloroethane	7.56	62	171401	24.635	ug/l	99
43) Isopropyl Acetate	9.23	43	137744	23.884	ug/l	95
44) Trichloroethene	8.53	130	202904	23.440	ug/l	96
45) 1,2-Dichloropropane	8.92	63	138915	23.552	ug/l	98
46) Dibromomethane	9.05	93	95199	23.980	ug/l	96
47) Bromodichloromethane	9.36	83	215736	24.212	ug/l	100
48) Methyl methacrylate	9.11	41	73583	23.119	ug/l	97
49) 1,4-Dioxane	9.07	88	16662	474.617	ug/l	88
51) 4-Methyl-2-Pentanone	10.29	43	426437	121.538	ug/l	97
52) Toluene	10.50	92	357751	25.211	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	190937	23.586	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	222986	22.621	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	111938	22.556	ug/l	97
56) Ethyl methacrylate	11.03	69	127389	23.894	ug/l	96
57) 1,3-Dichloropropane	11.39	76	181772	24.920	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	331660	127.743	ug/l	95
59) 2-Hexanone	11.52	43	305954	120.353	ug/l	97
60) Dibromochloromethane	11.68	129	184621	24.132	ug/l	96
61) 1,2-Dibromoethane	11.80	107	135111	23.512	ug/l	100
64) Tetrachloroethene	11.24	164	152073	21.029	ug/l	98
65) Chlorobenzene	12.39	112	405300	21.523	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	174025	23.868	ug/l	98
67) Ethyl Benzene	12.51	91	717029	24.946	ug/l	97
68) m/p-Xylenes	12.66	106	480757	44.155	ug/l	94
69) o-Xylene	13.04	106	245798	23.263	ug/l	95
70) Styrene	13.07	104	437542	23.756	ug/l	100
71) Bromoform	13.22	173	99314	21.488	ug/l	97
73) Isopropylbenzene	13.39	105	682172	23.144	ug/l	97
74) N-amyl acetate	13.25	43	170838	20.807	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	135585	21.806	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	133885	21.886	ug/l	97
77) Bromobenzene	13.66	156	183129	20.958	ug/l	99
78) n-propylbenzene	13.77	91	768002	21.292	ug/l	97
79) 2-Chlorotoluene	13.83	91	466205	23.804	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	546802	23.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	38152	20.454	ug/l	91
82) 4-Chlorotoluene	13.94	91	502708	23.606	ug/l	99
83) tert-Butylbenzene	14.18	119	636130	22.258	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	569372	22.997	ug/l	100
85) sec-Butylbenzene	14.36	105	677869	22.327	ug/l	99
86) p-Isopropyltoluene	14.48	119	623529	24.287	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	323289	21.848	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	306687	21.254	ug/l	98
89) n-Butylbenzene	14.79	91	572606	24.300	ug/l	99
90) Hexachloroethane	15.00	117	147038	20.272	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	292775	24.122	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13776	18.891	ug/l	93

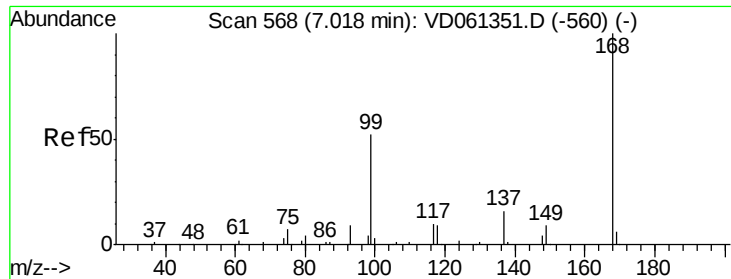
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
Data File : VD061506.D
Acq On : 2 Apr 2019 10:25
Operator : VA/AP
Sample : VD04SBSD03
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 03 00:45:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	103265	18.677	ug/l	98
94) Hexachlorobutadiene	16.03	225	91479	21.174	ug/l	98
95) Naphthalene	16.12	128	169526	20.116	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	49024	20.150	ug/l	95

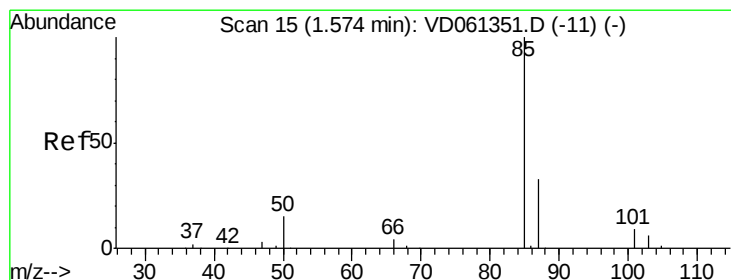
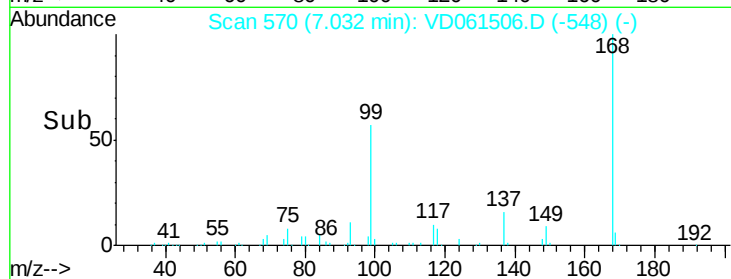
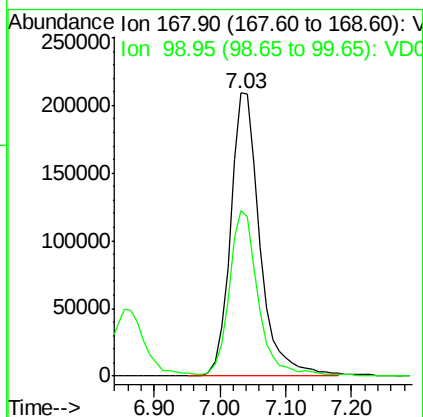
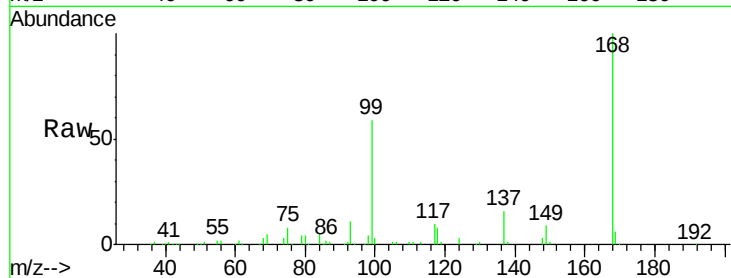
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

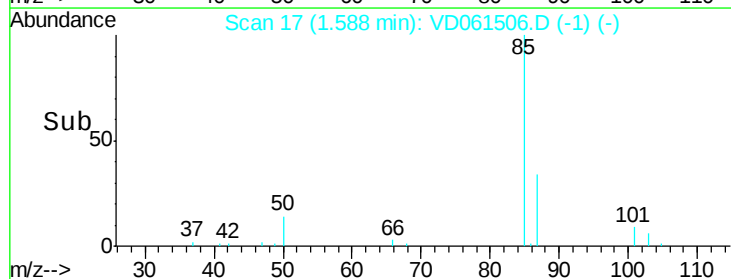
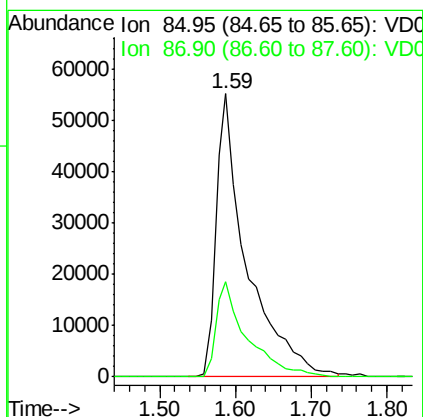
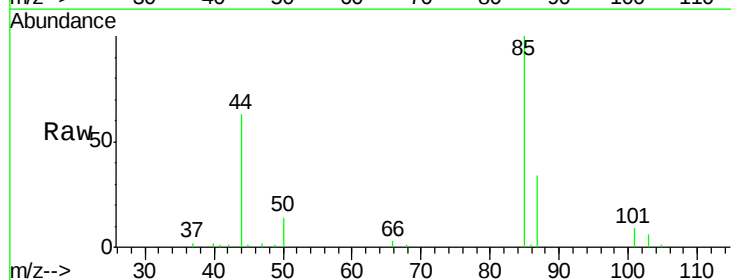
Instrument :
MSVOA_D
ClientSampleId :

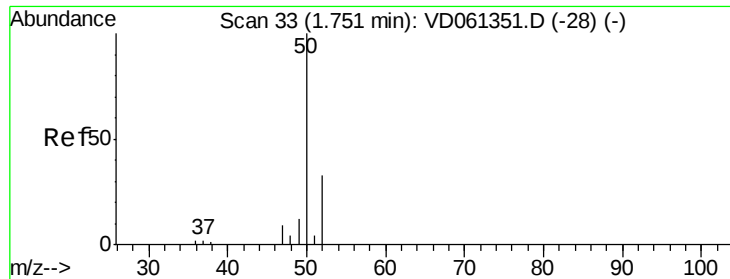
Tot Ion:168 Resp: 654626
Ion Ratio Lower Upper
168 100
99 58.7 43.1 64.7



#2
Dichlorodifluoromethane
Concen: 22.346 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 85 Resp: 156223
Ion Ratio Lower Upper
85 100
87 33.7 16.6 49.7

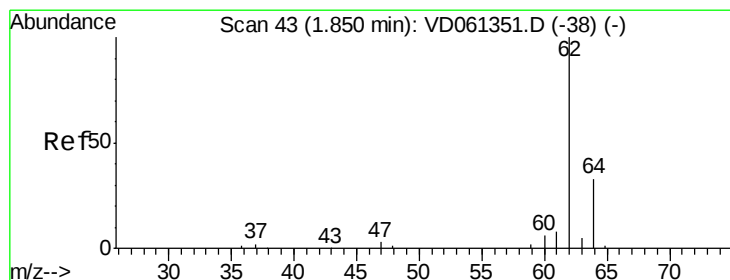
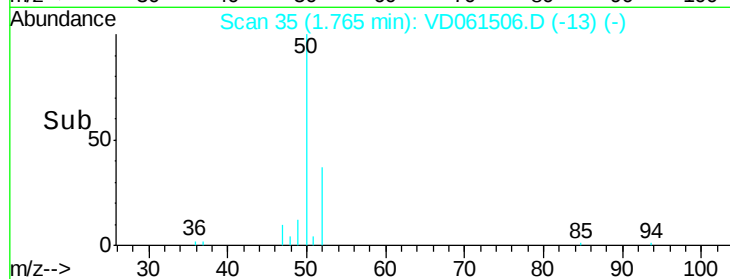
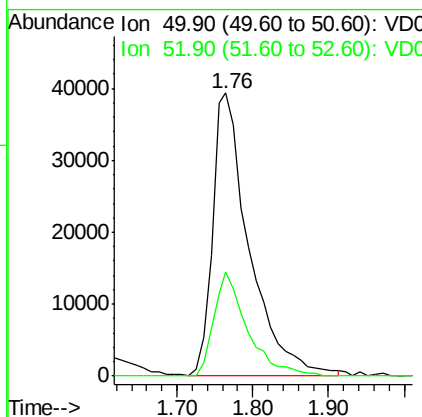
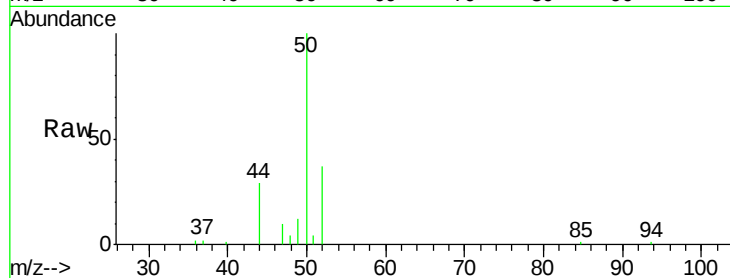




#3
Chloromethane
Concen: 23.342 ug/l
RT: 1.76 min Scan# 35
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

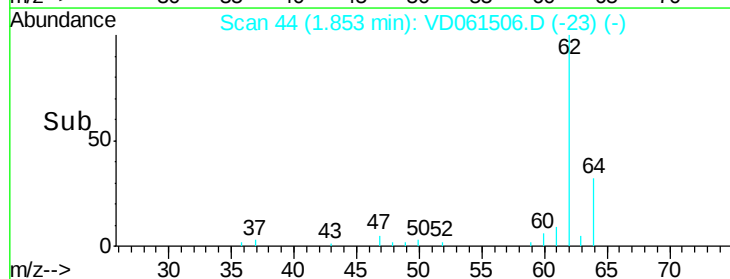
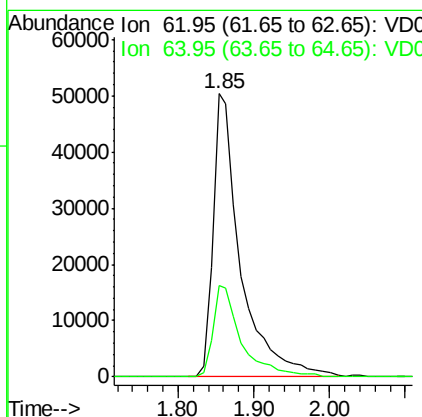
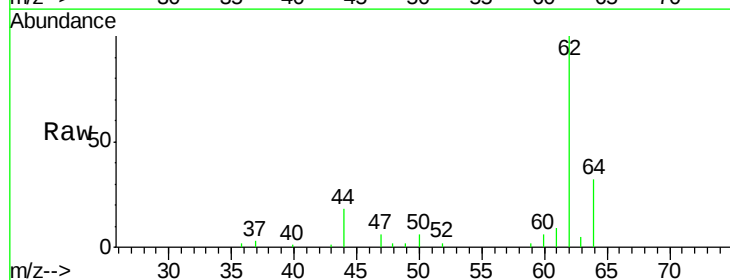
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 133087
Ion Ratio Lower Upper
50 100
52 36.7 26.1 39.1



#4
Vinyl Chloride
Concen: 24.439 ug/l
RT: 1.85 min Scan# 44
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 62 Resp: 127939
Ion Ratio Lower Upper
62 100
64 32.4 26.6 39.8





#5

Bromomethane

Concen: 18.508 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampleId :

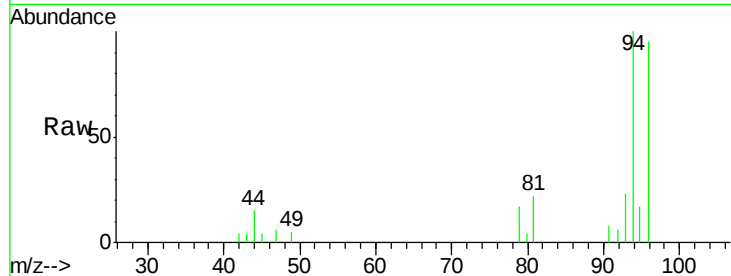
Tot Ion: 94 Resp: 19213

Ion Ratio Lower Upper

94 100

96 94.6 78.3 117.5

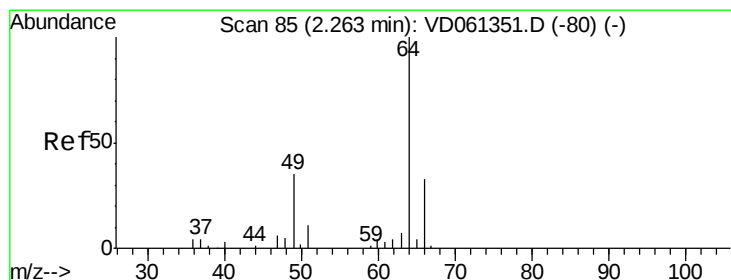
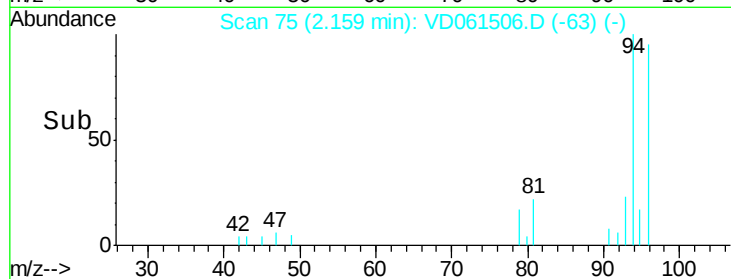
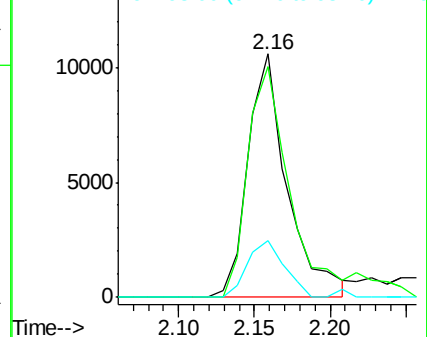
93 23.2 15.6 23.4



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: 20.863 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061506.D

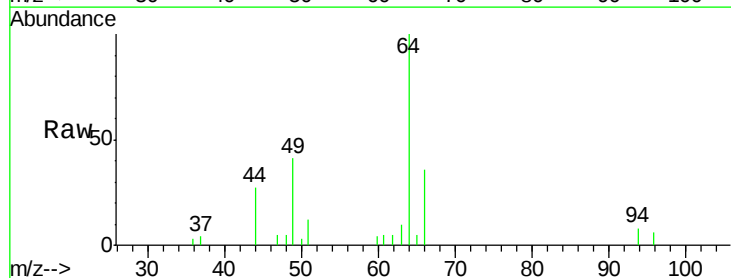
Acq: 2 Apr 2019 10:25

Tgt Ion: 64 Resp: 32029

Ion Ratio Lower Upper

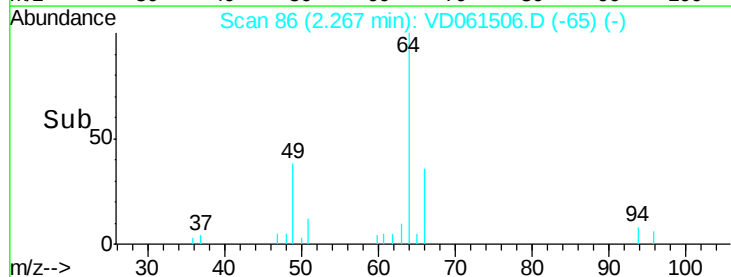
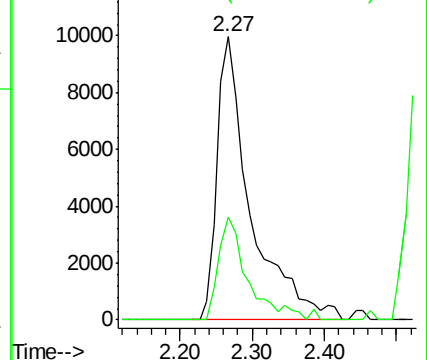
64 100

66 36.3 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



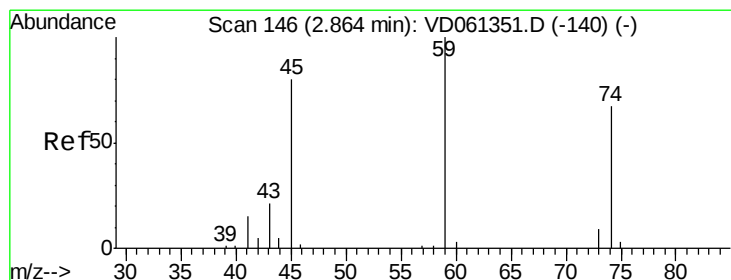
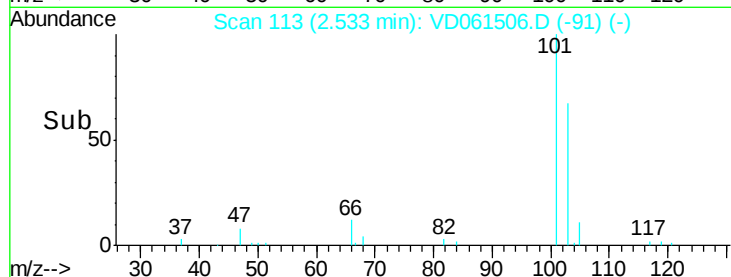
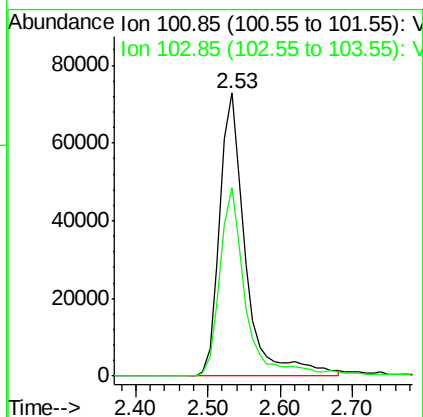
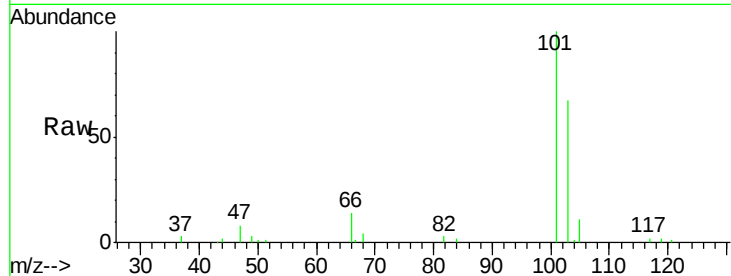


#7

Trichlorofluoromethane
 Concen: 23.743 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Instrument :
 MSVOA_D
 ClientSampled :

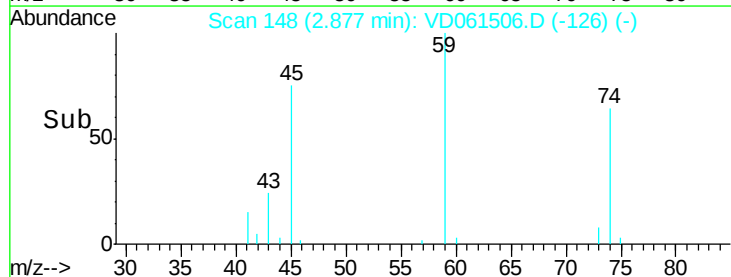
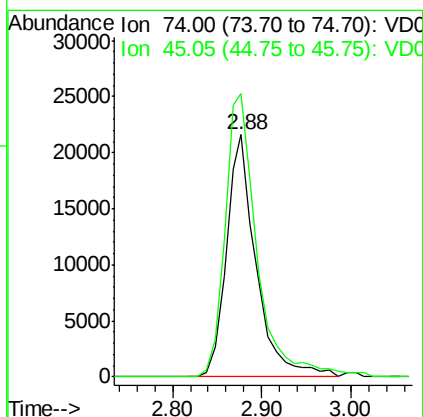
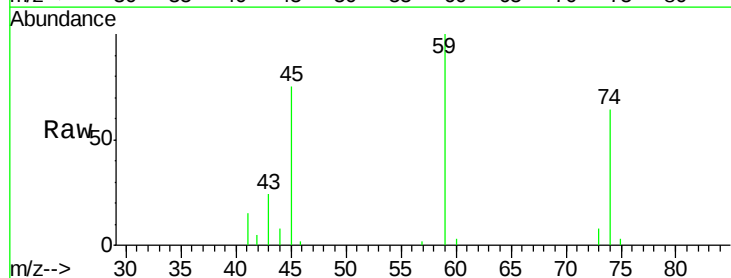
Tot Ion:101 Resp: 180748
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.1 79.7



#8

Diethyl Ether
 Concen: 20.539 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion: 74 Resp: 50340
 Ion Ratio Lower Upper
 74 100
 45 116.8 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.090 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampleId :

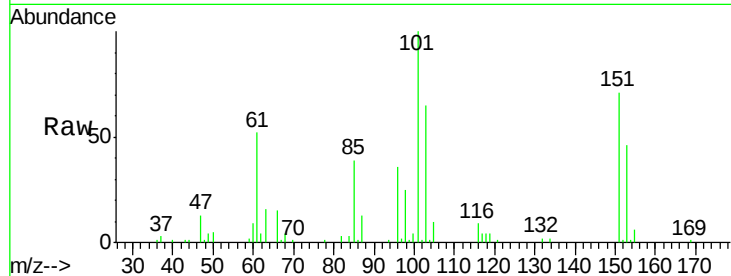
Tot Ion:101 Resp: 188970

Ion Ratio Lower Upper

101 100

85 38.8 29.4 44.0

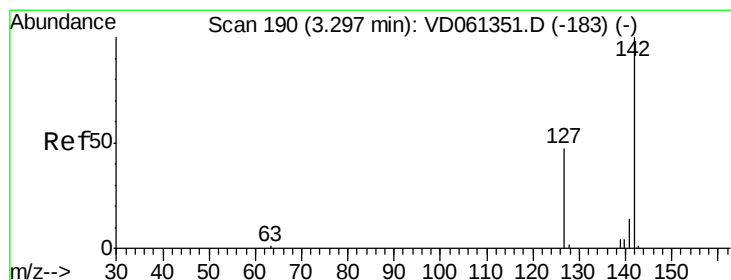
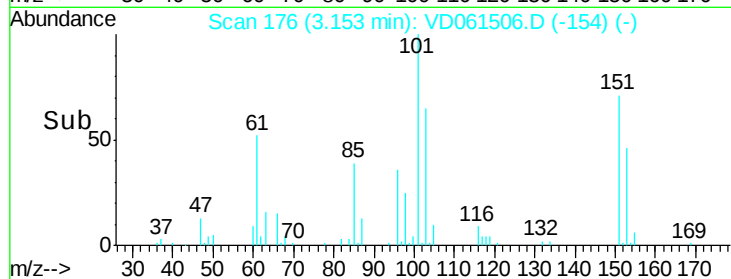
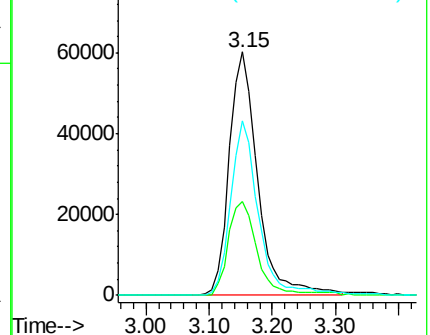
151 71.5 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.239 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

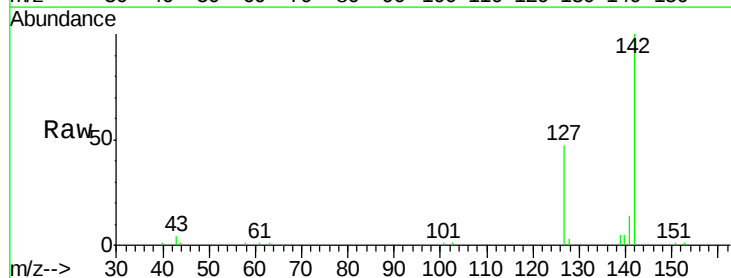
Tgt Ion:142 Resp: 210866

Ion Ratio Lower Upper

142 100

127 47.3 37.7 56.5

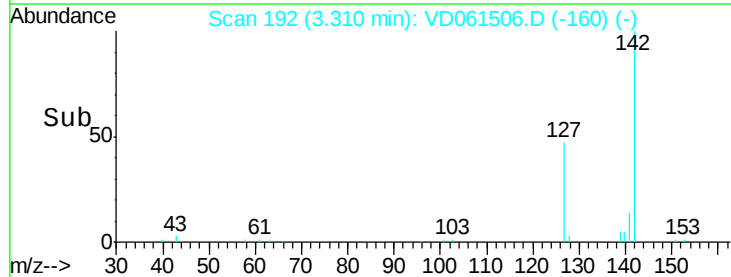
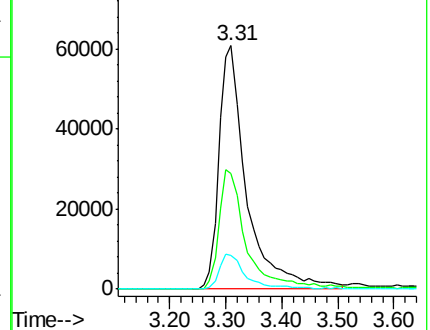
141 13.6 11.5 17.3

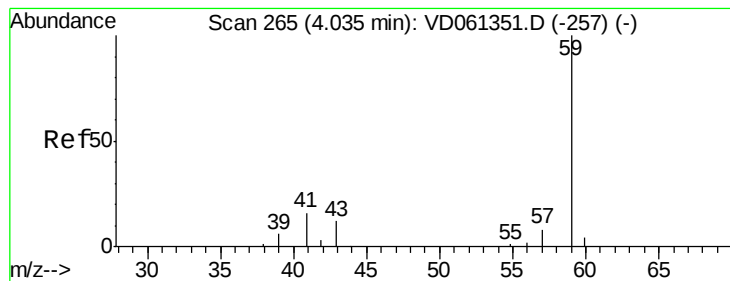


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



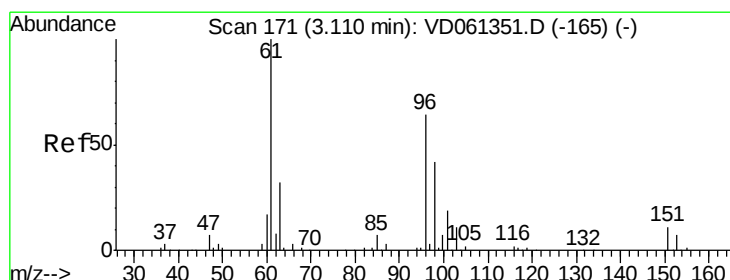
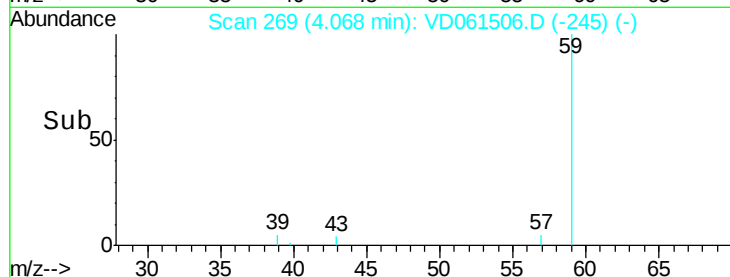
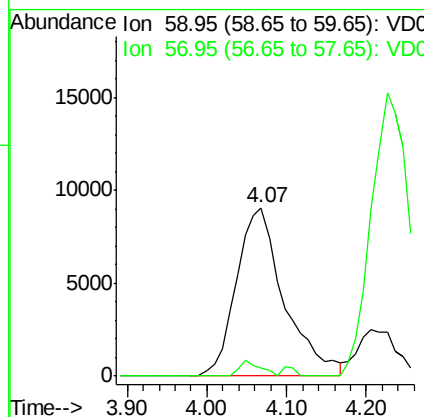
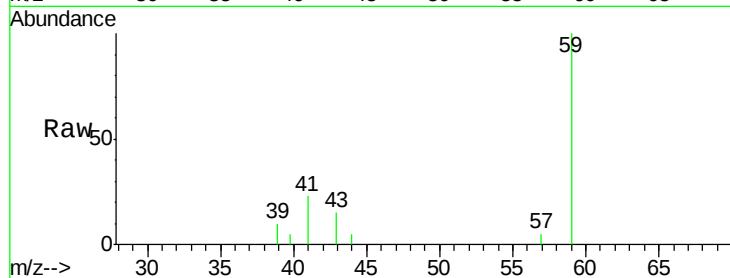


#11

Tert butyl alcohol
 Concen: 108.176 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.03 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Instrument :
 MSVOA_D
 ClientSampleId :

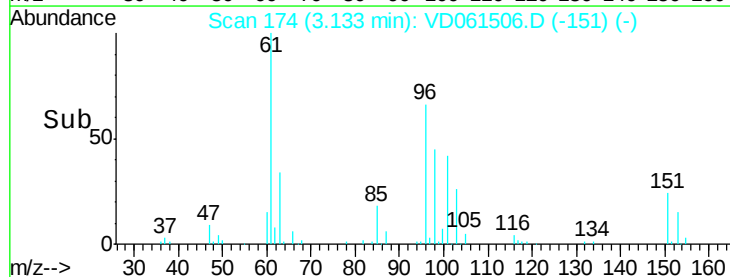
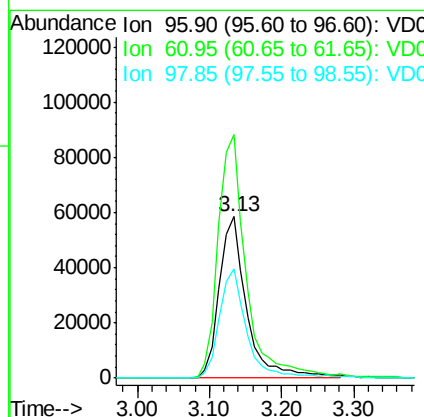
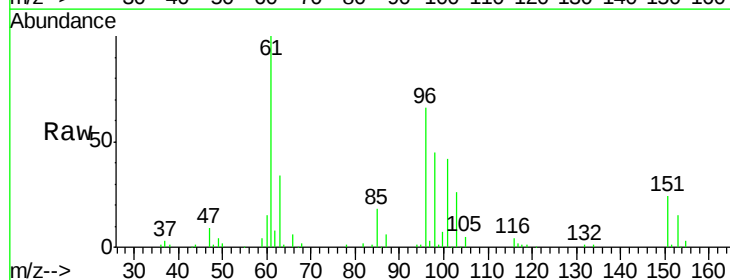
Tot Ion: 59 Resp: 37673
 Ion Ratio Lower Upper
 59 100
 57 5.2 6.7 10.1#

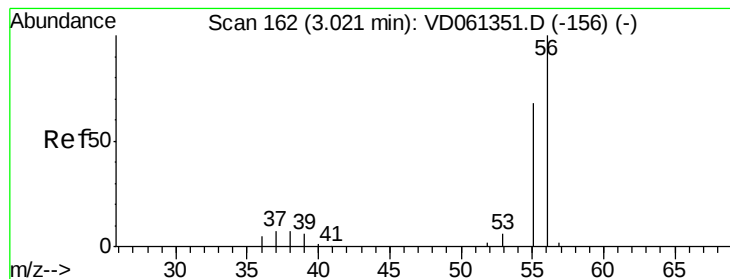


#12

1,1-Dichloroethene
 Concen: 21.854 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.02 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion: 96 Resp: 153558
 Ion Ratio Lower Upper
 96 100
 61 151.1 124.9 187.3
 98 67.4 52.5 78.7





#13

Acrolein

Concen: 63.986 ug/l

RT: 3.03 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

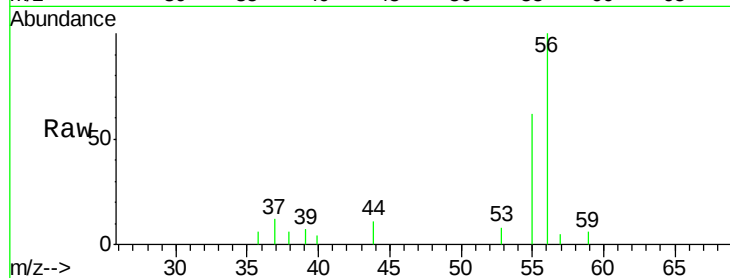
ClientSampleId :

Tot Ion: 56 Resp: 21502

Ion Ratio Lower Upper

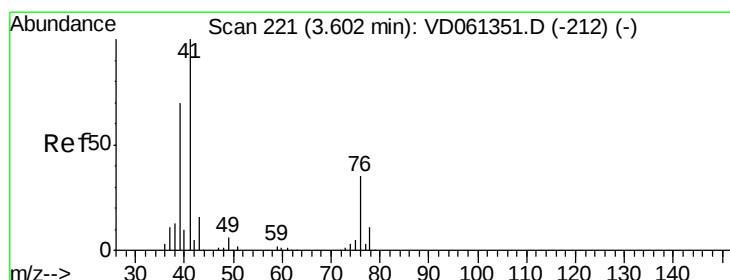
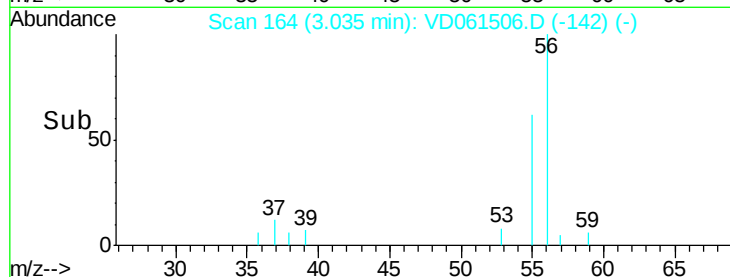
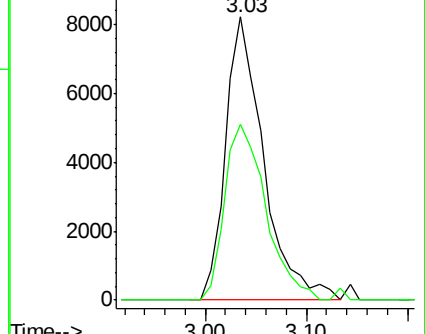
56 100

55 62.0 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.659 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

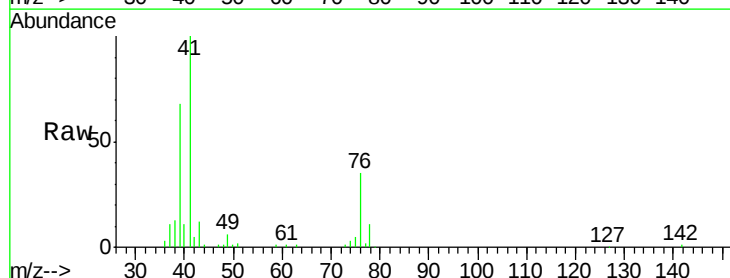
Tgt Ion: 41 Resp: 231869

Ion Ratio Lower Upper

41 100

39 68.1 55.6 83.4

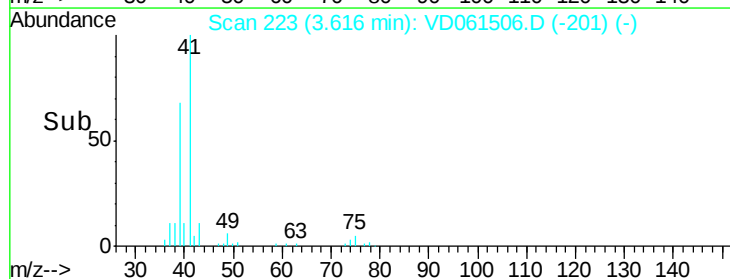
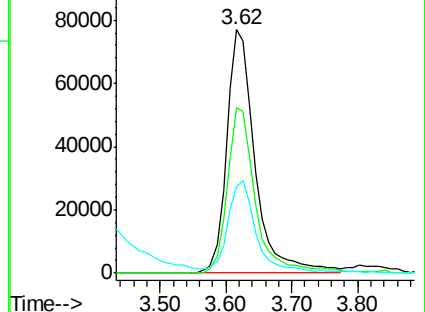
76 35.4 31.0 46.6

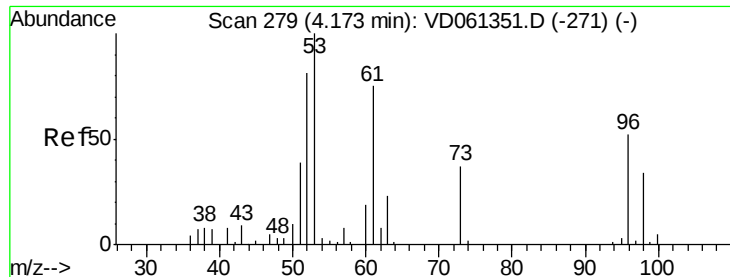


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 110.813 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampleId :

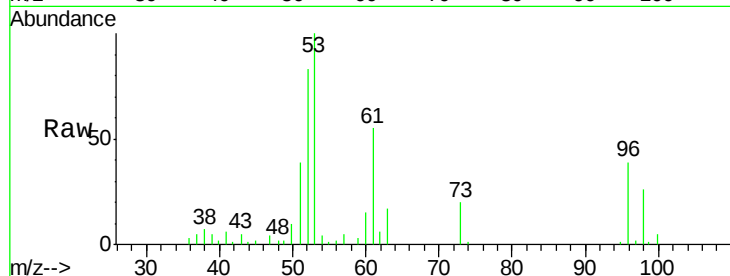
Tot Ion: 53 Resp: 133943

Ion Ratio Lower Upper

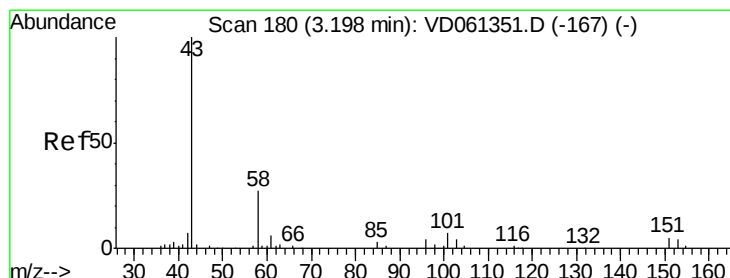
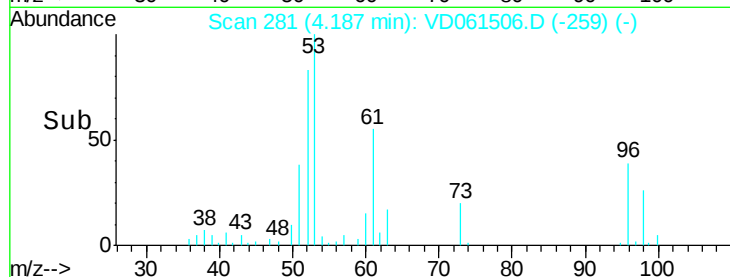
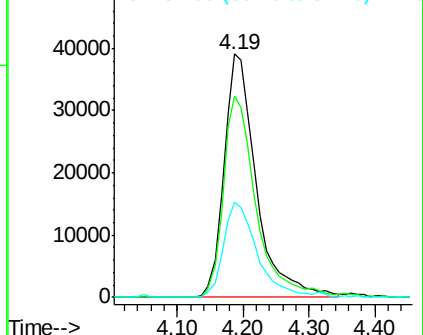
53 100

52 82.9 64.8 97.2

51 39.0 31.4 47.2



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: 104.153 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061506.D

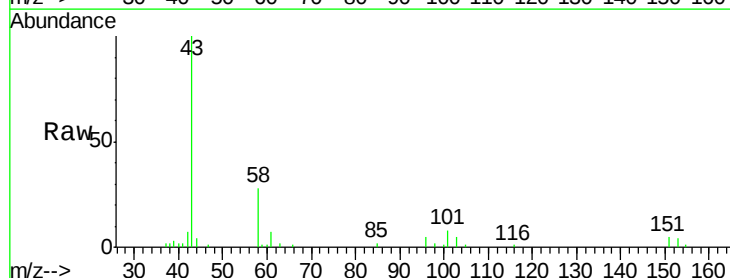
Acq: 2 Apr 2019 10:25

Tgt Ion: 43 Resp: 149724

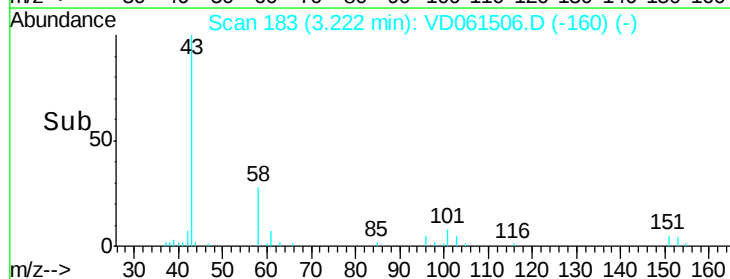
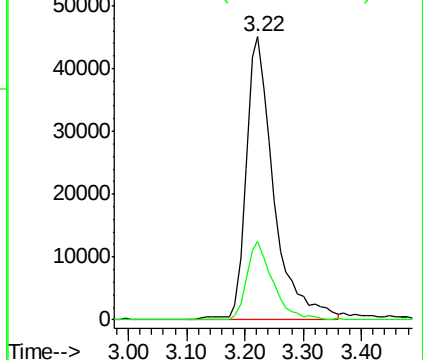
Ion Ratio Lower Upper

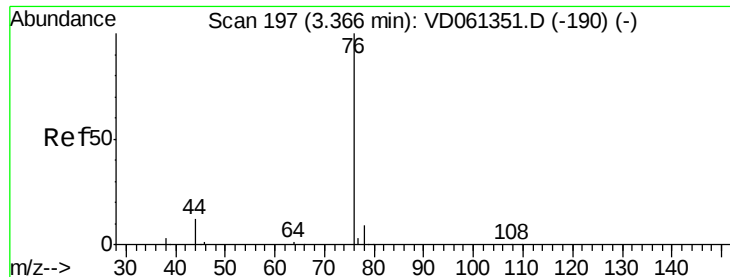
43 100

58 27.8 21.5 32.3



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

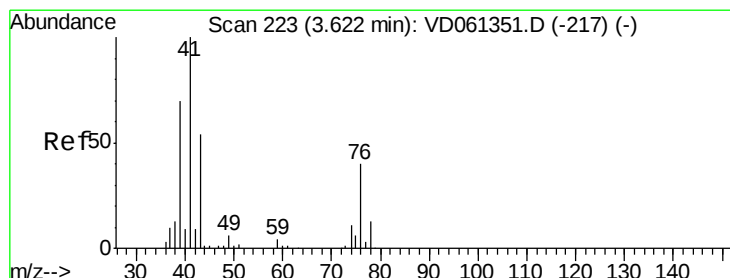
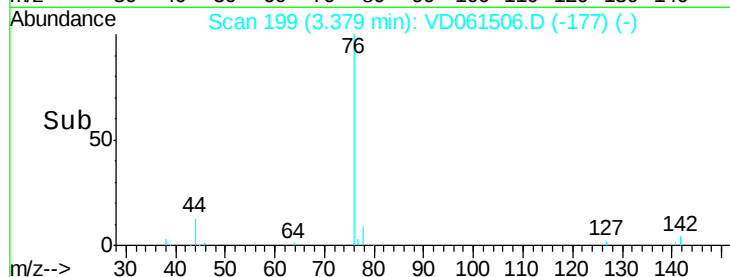
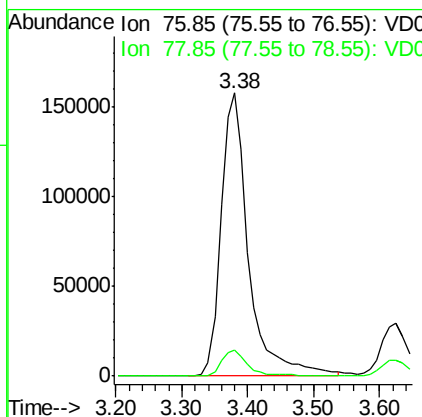
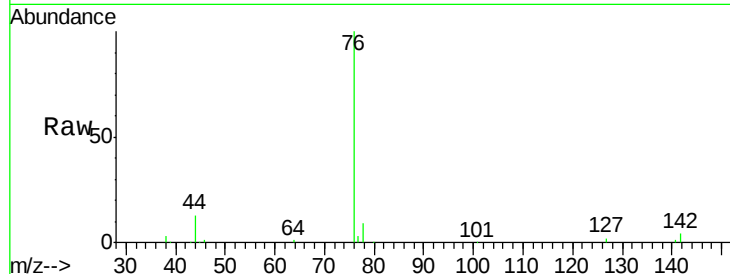




#17
Carbon Disulfide
Concen: 20.144 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

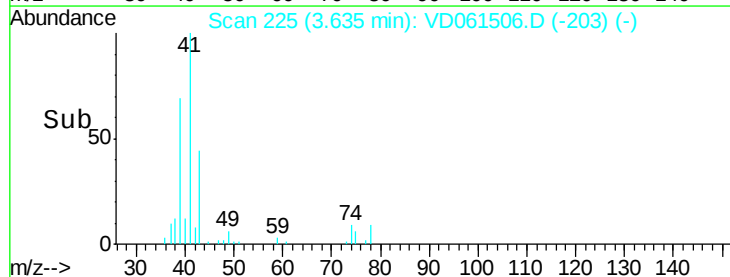
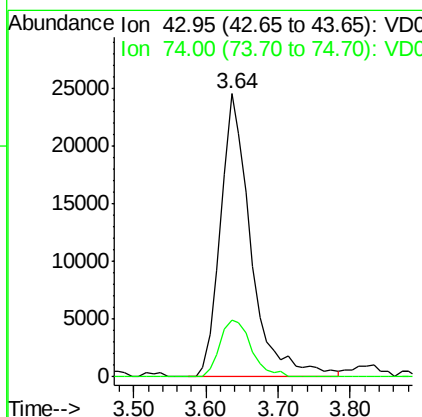
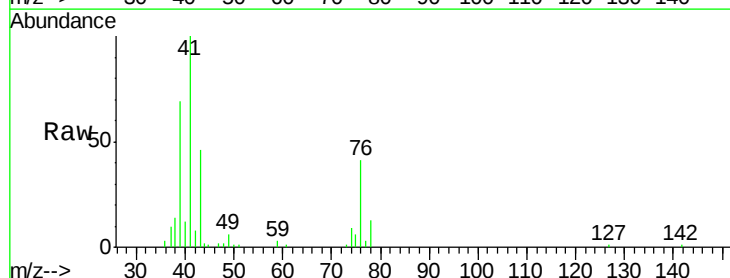
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 459880
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 23.750 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 43 Resp: 71783
Ion Ratio Lower Upper
43 100
74 20.3 16.7 25.1

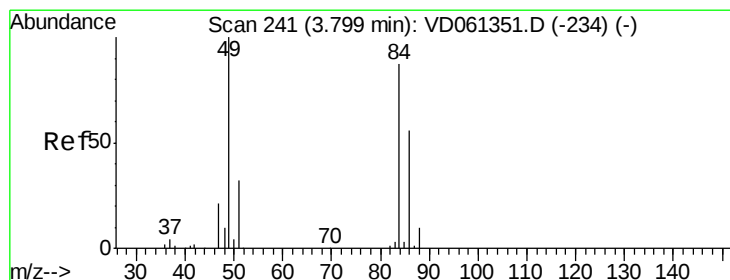
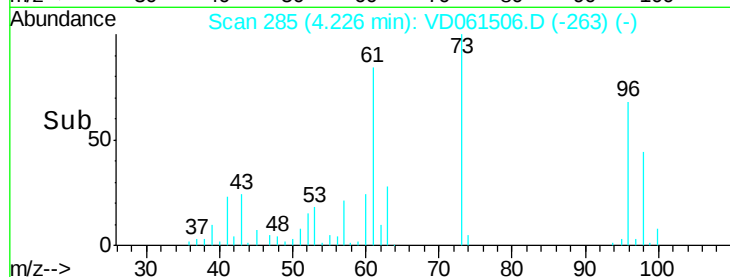
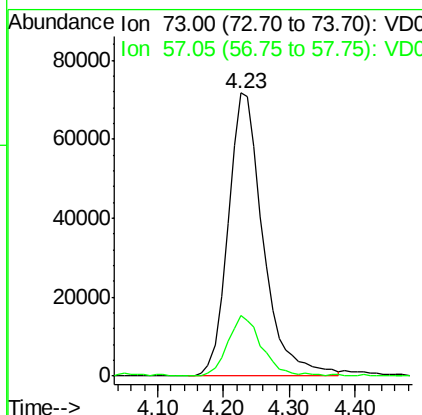
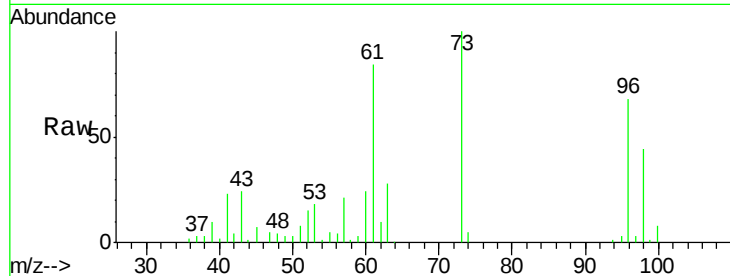




#19
Methvl tert-butvl Ether
Concen: 21.987 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

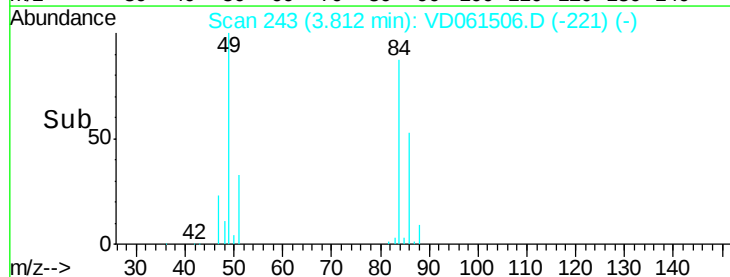
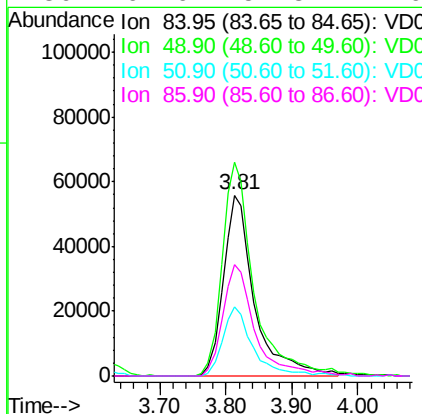
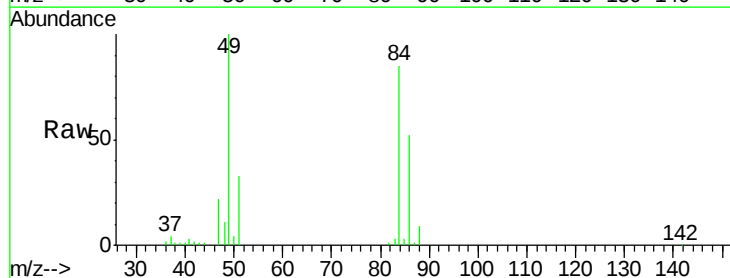
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 267425
Ion Ratio Lower Upper
73 100
57 21.2 16.4 24.6



#20
Methylene Chloride
Concen: 21.741 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 84 Resp: 183820
Ion Ratio Lower Upper
84 100
49 118.1 91.8 137.8
51 38.5 29.8 44.8
86 61.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 23.517 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampleId :

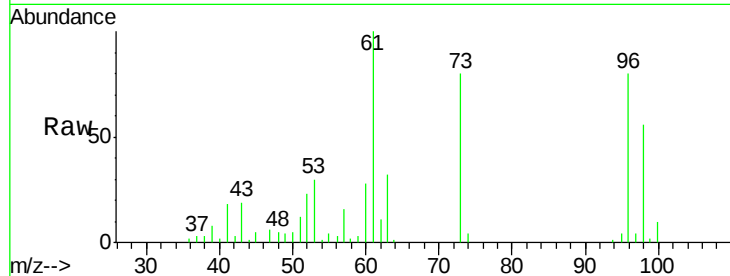
Tot Ion: 96 Resp: 178404

Ion Ratio Lower Upper

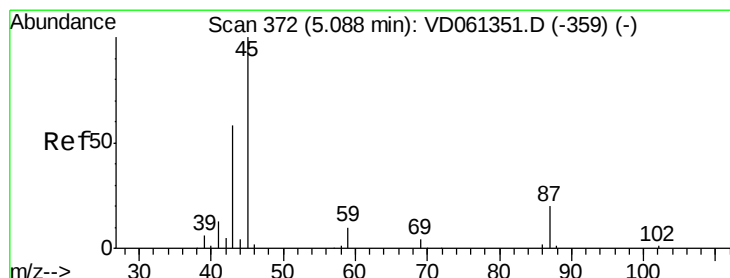
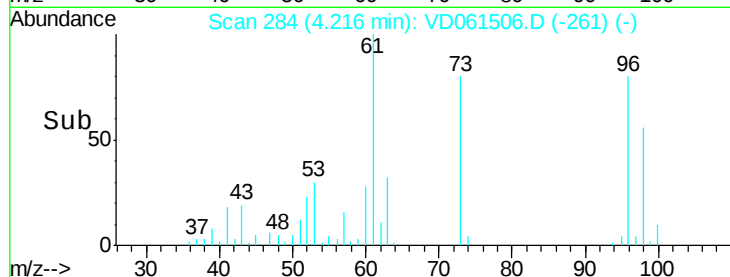
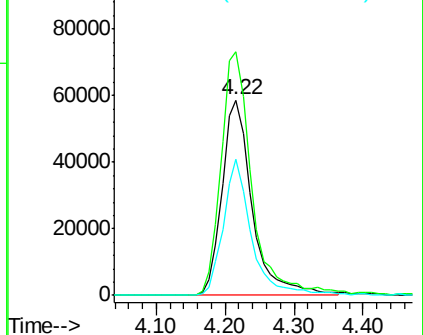
96 100

61 124.8 102.7 154.1

98 69.7 52.2 78.4



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: 22.216 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Tgt Ion: 45 Resp: 460747

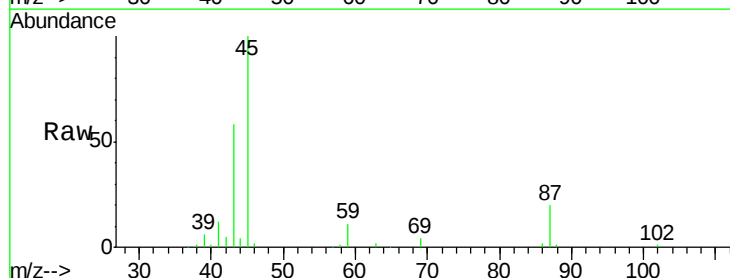
Ion Ratio Lower Upper

45 100

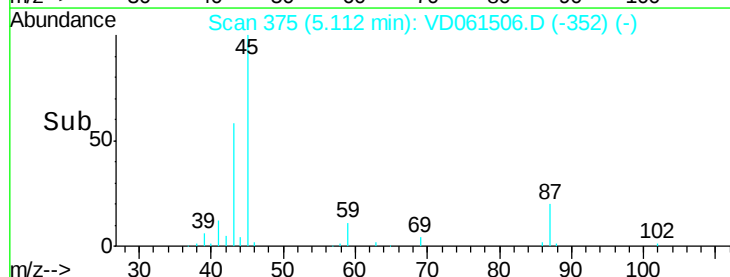
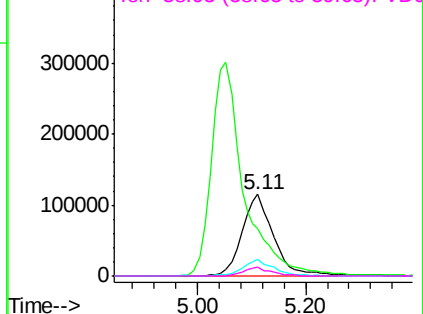
43 57.6 47.4 71.2

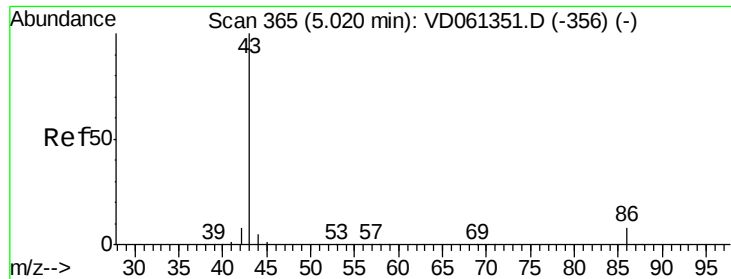
87 20.5 16.3 24.5

59 10.8 8.4 12.6



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





#23

Vinyl Acetate

Concen: 108.800 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

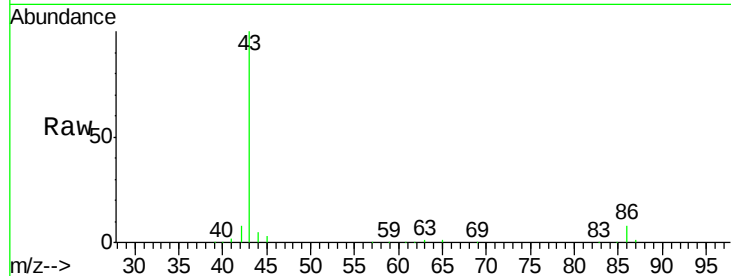
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1225671

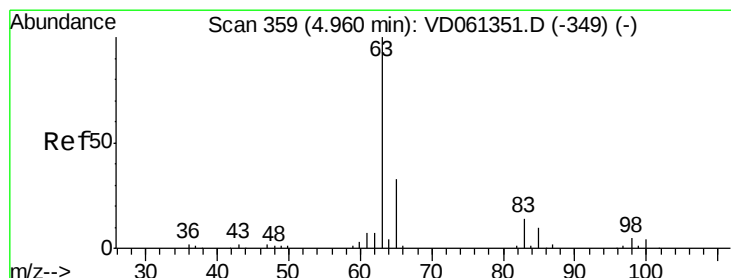
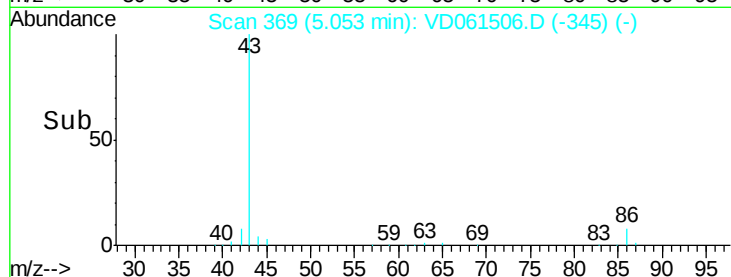
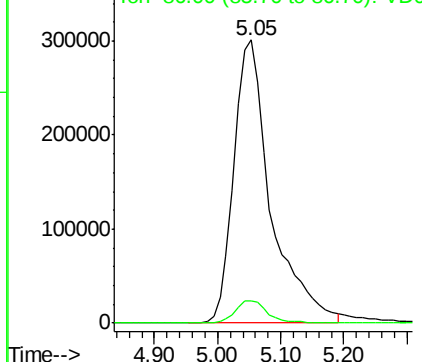
Ion Ratio Lower Upper

43 100

86 7.8 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.949 ug/l

RT: 4.97 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

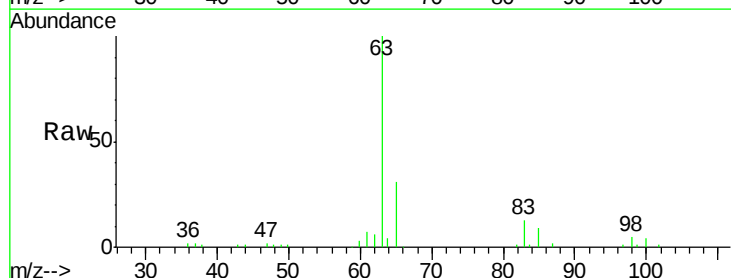
Tgt Ion: 63 Resp: 267519

Ion Ratio Lower Upper

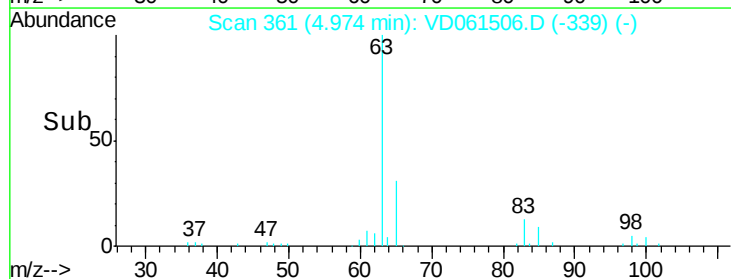
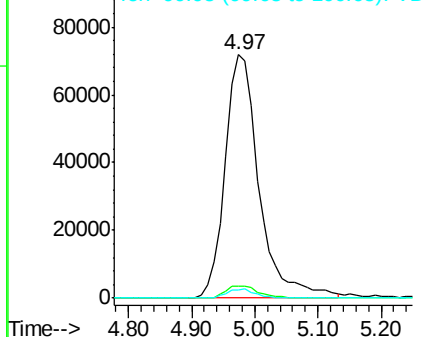
63 100

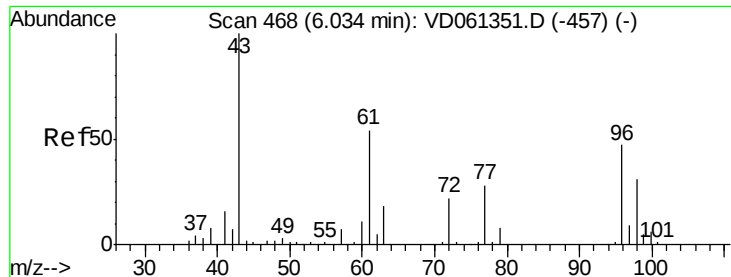
98 5.1 2.6 8.0

100 3.6 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.037 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

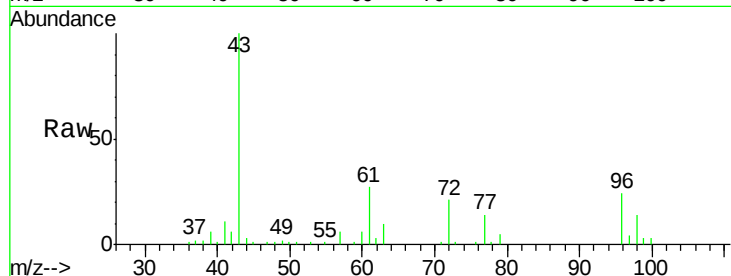
ClientSampleId :

Tot Ion: 43 Resp: 195362

Ion Ratio Lower Upper

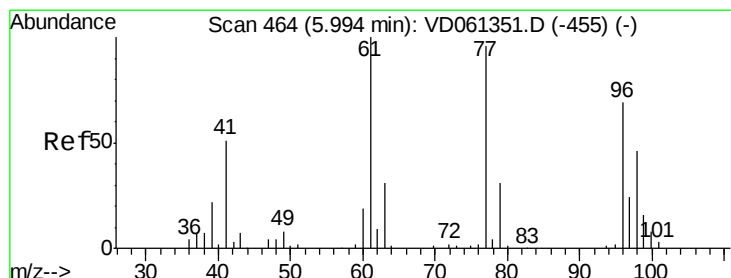
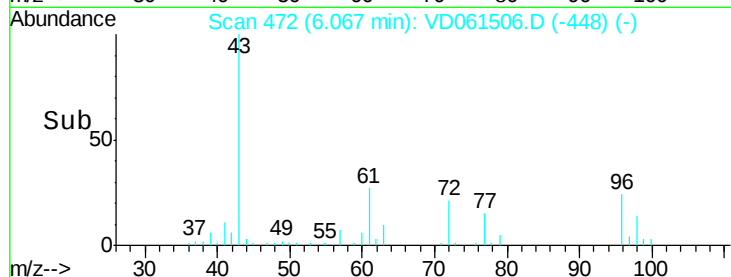
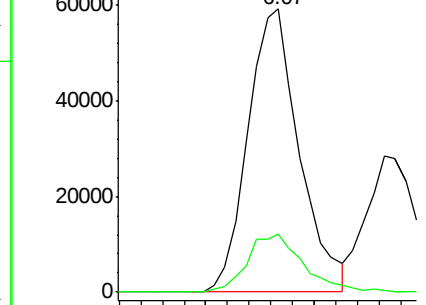
43 100

72 20.7 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.064 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD061506.D

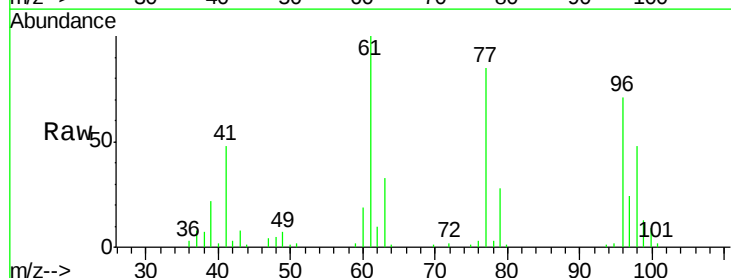
Acq: 2 Apr 2019 10:25

Tgt Ion: 77 Resp: 223468

Ion Ratio Lower Upper

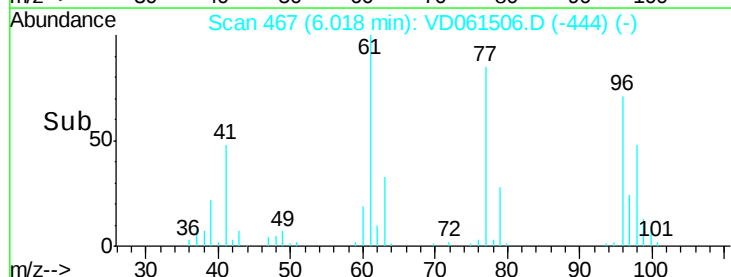
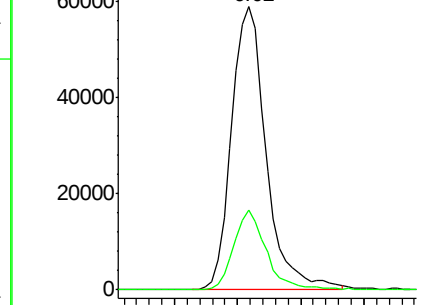
77 100

97 28.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



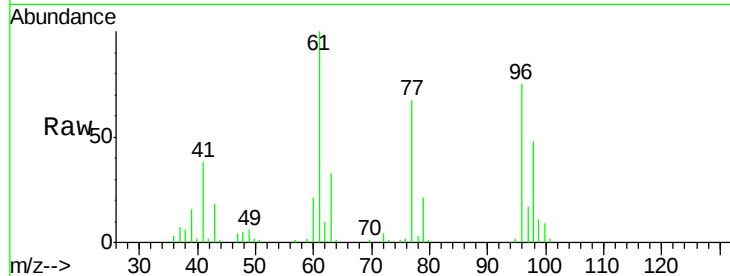


#27

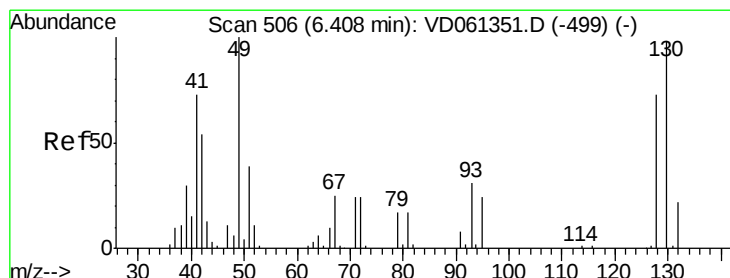
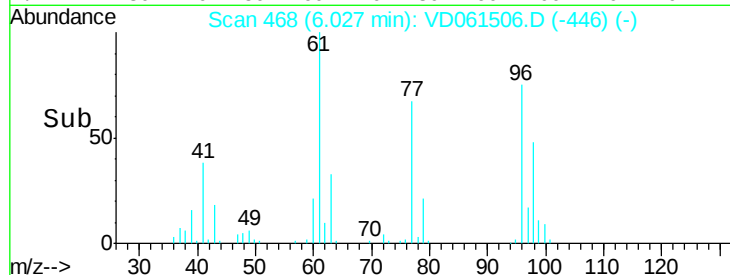
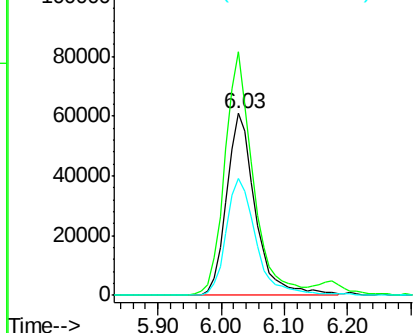
cis-1,2-Dichloroethene
Concen: 23.127 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 192224
Ion Ratio Lower Upper
96 100
61 134.1 0.0 251.6
98 64.6 0.0 129.2



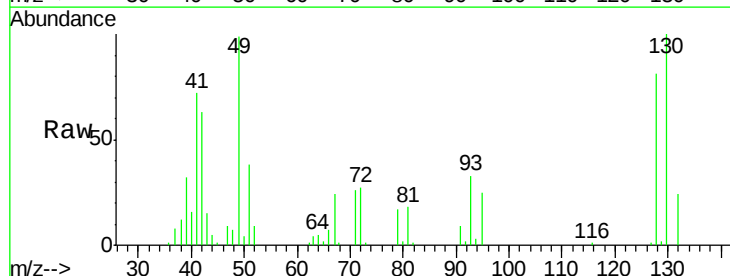
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



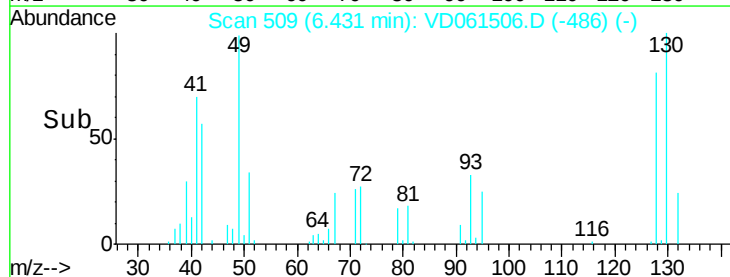
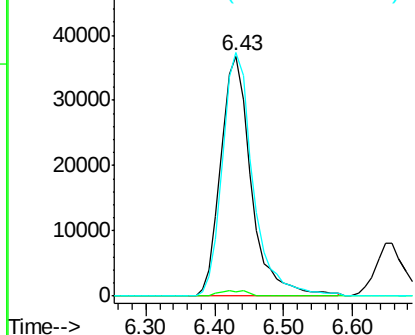
#28

Bromochloromethane
Concen: 23.009 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 49 Resp: 113204
Ion Ratio Lower Upper
49 100
129 2.0 0.0 0.0#
130 101.4 78.4 117.6



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

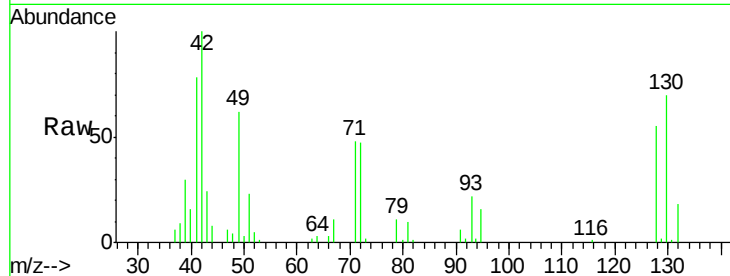




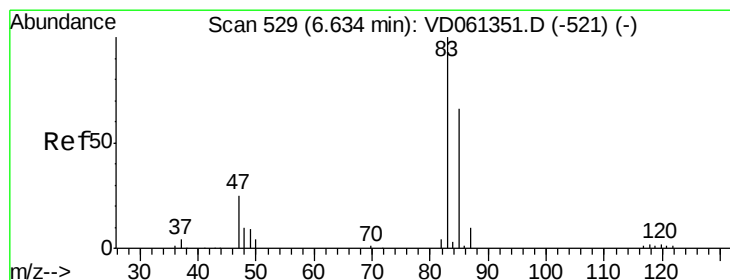
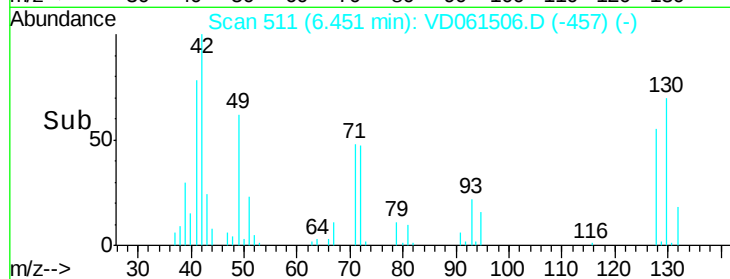
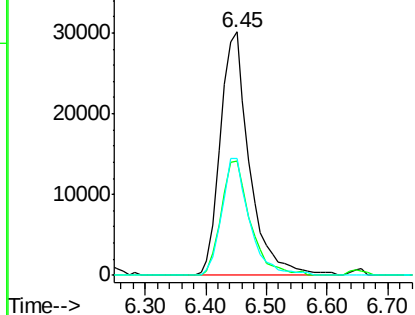
#29
Tetrahydrofuran
Concen: 114.879 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 100688
Ion Ratio Lower Upper
42 100
72 46.4 37.4 56.0
71 45.8 36.7 55.1

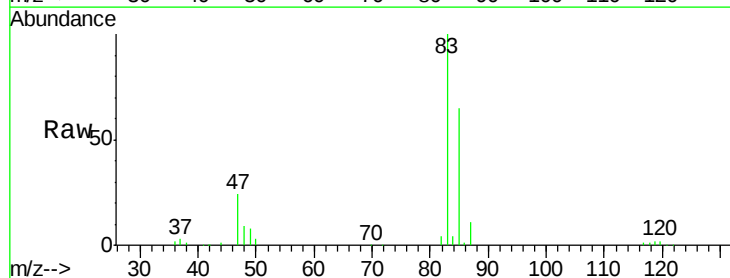


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

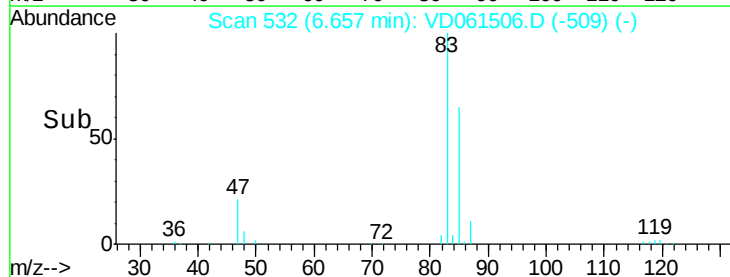
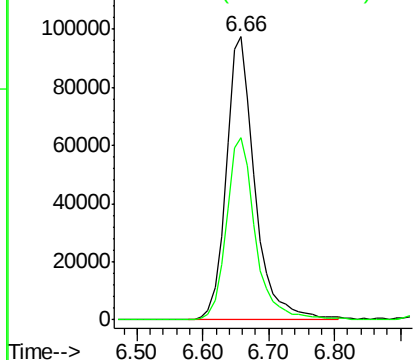


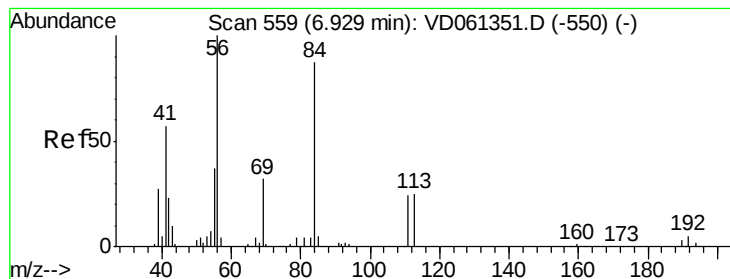
#30
Chloroform
Concen: 23.470 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 83 Resp: 295572
Ion Ratio Lower Upper
83 100
85 64.5 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: 24.405 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

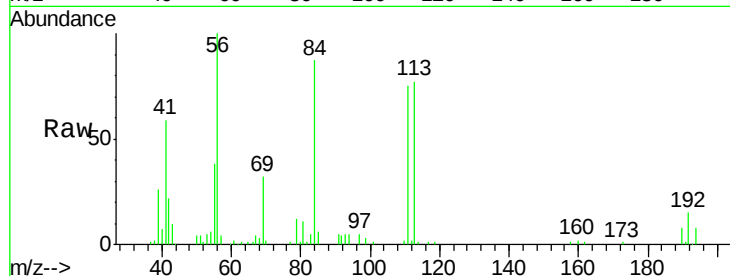
Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

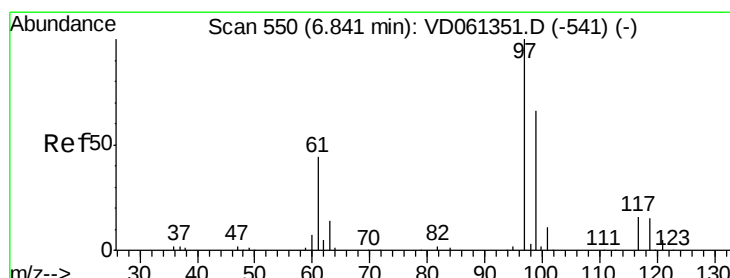
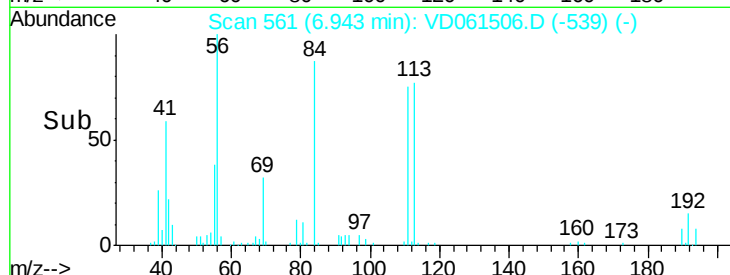
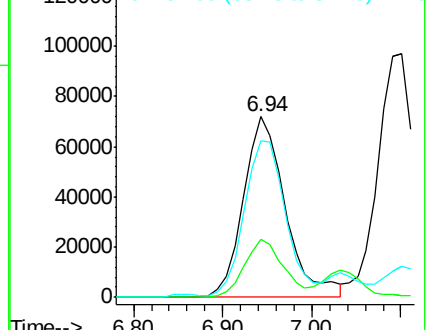
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 235057

Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.7	38.5
84	86.6	70.6	105.8



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



#32

1,1,1-Trichloroethane

Concen: 23.078 ug/l

RT: 6.85 min Scan# 552

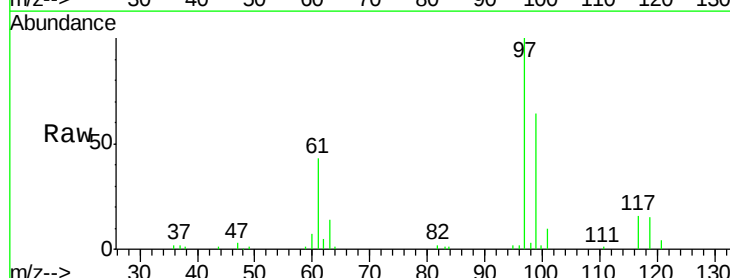
Delta R.T. 0.01 min

Lab File: VD061506.D

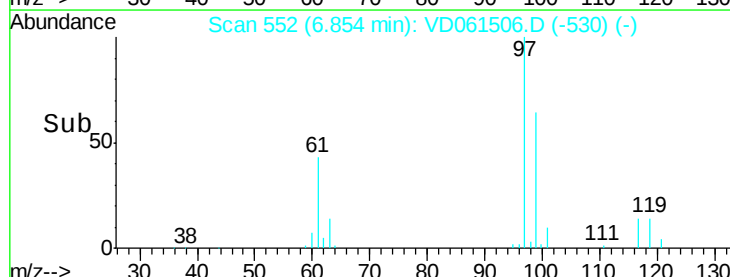
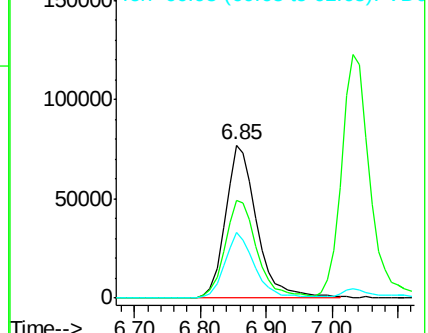
Acq: 2 Apr 2019 10:25

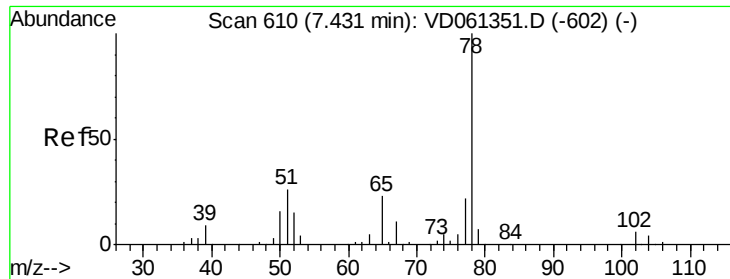
Tgt Ion: 97 Resp: 256404

Ion	Ratio	Lower	Upper
97	100		
99	64.2	53.1	79.7
61	43.1	35.5	53.3



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

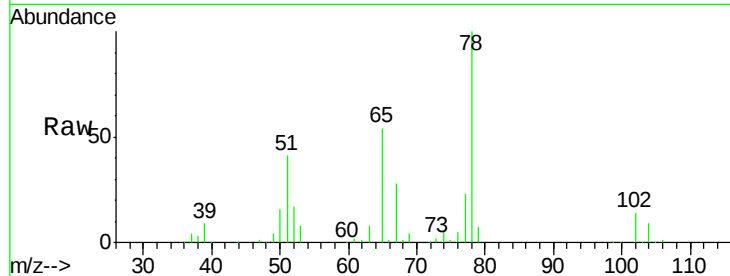




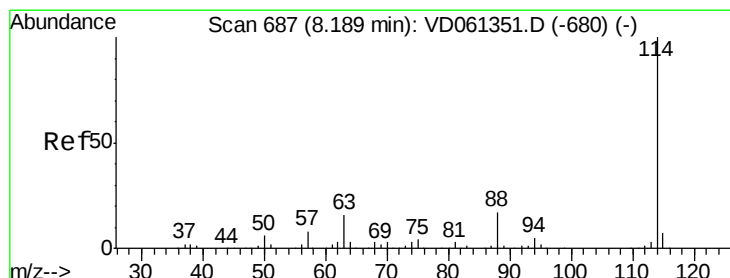
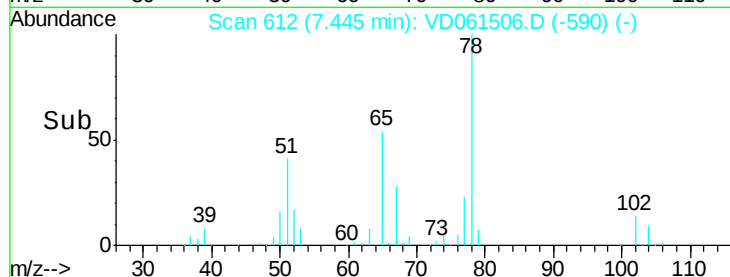
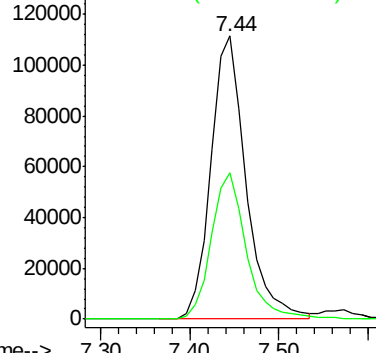
#33
 1,2-Dichloroethane-d4
 Concen: 23.078 ug/l
 RT: 7.44 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 303856
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 99.8

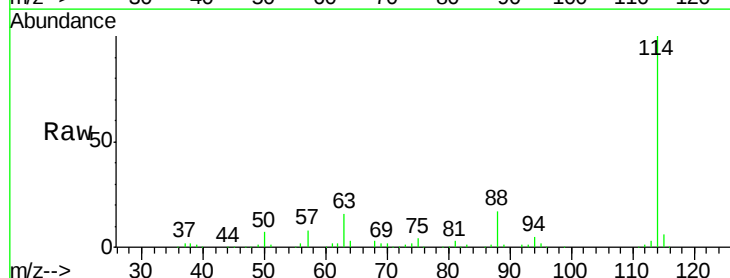


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

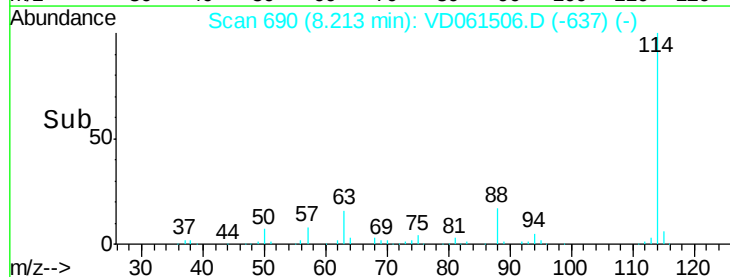
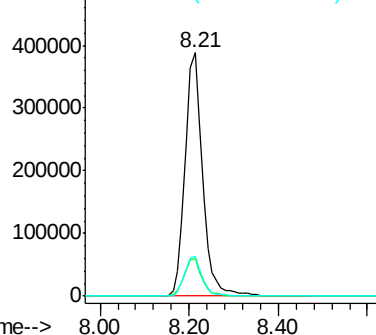


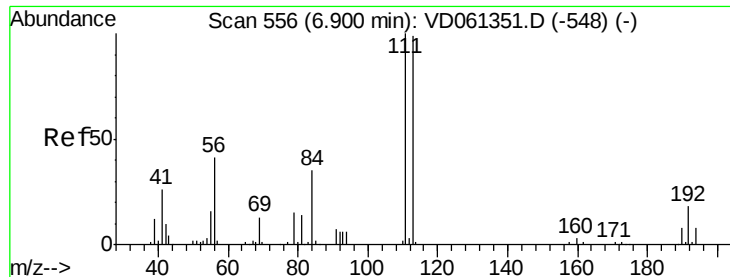
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion: 114 Resp: 1061906
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.6
 88 16.5 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

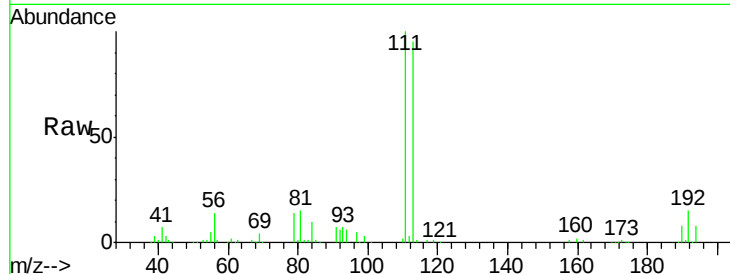




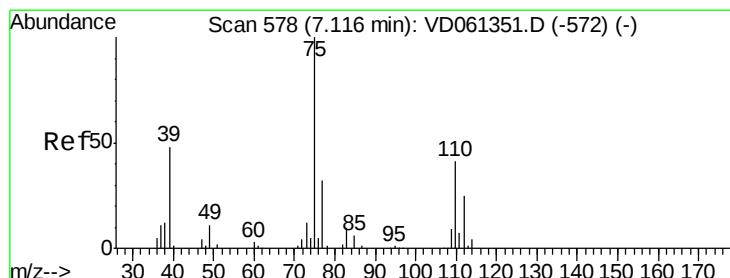
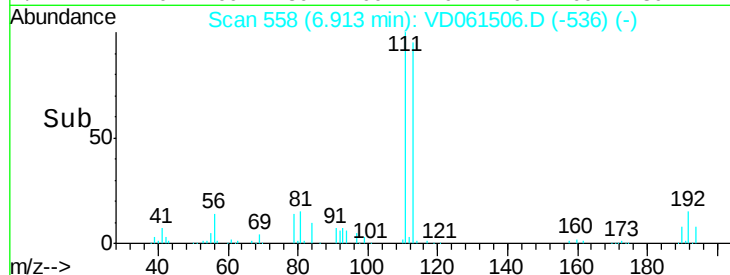
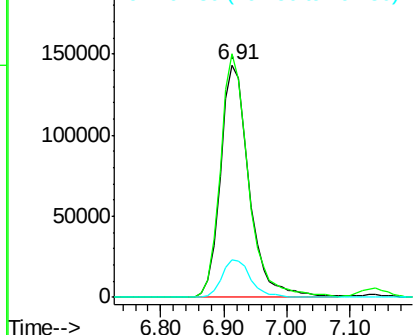
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.0	121.6
192	16.2	14.4	21.6

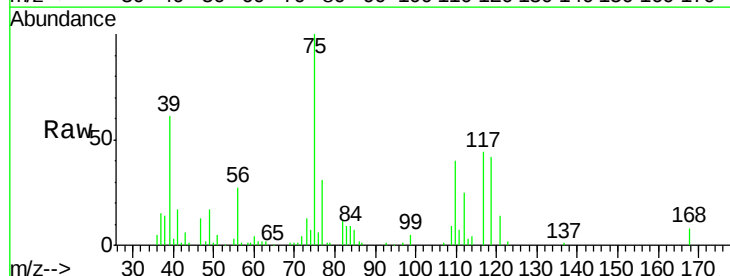


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

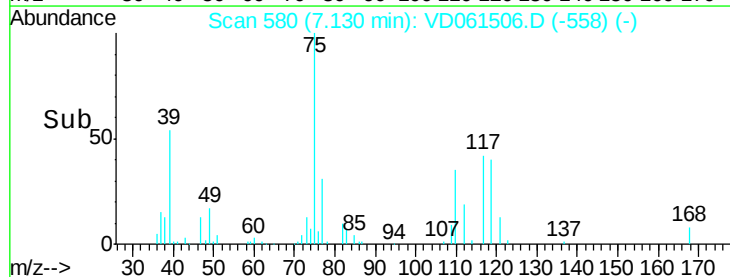
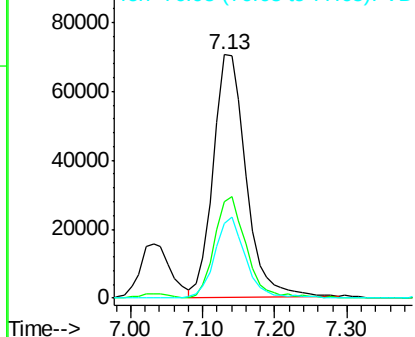


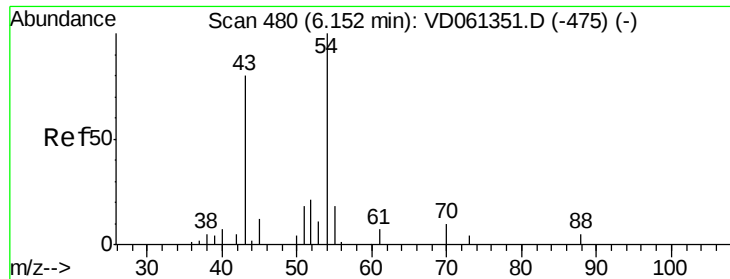
#36
1,1-Dichloropropene
Concen: 23.876 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.5	20.4	61.3
77	30.8	24.9	37.3



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

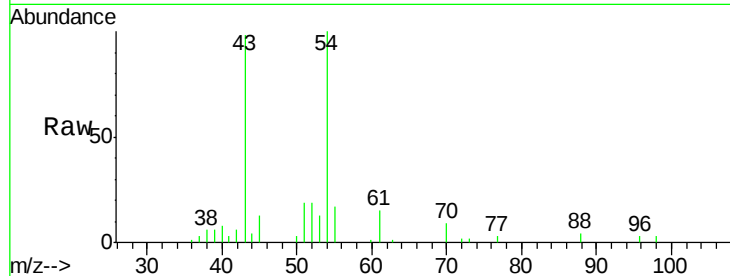




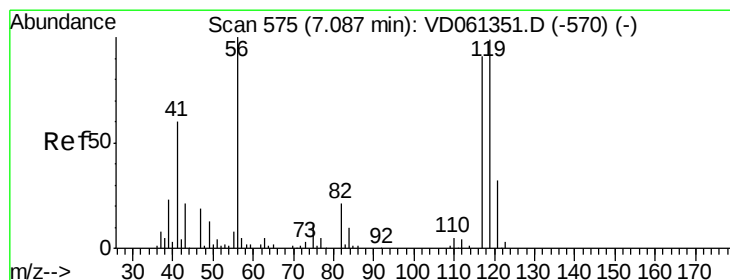
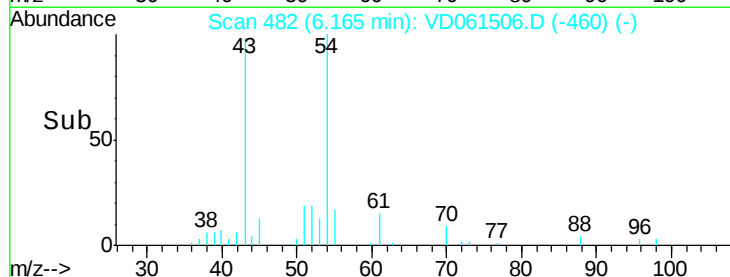
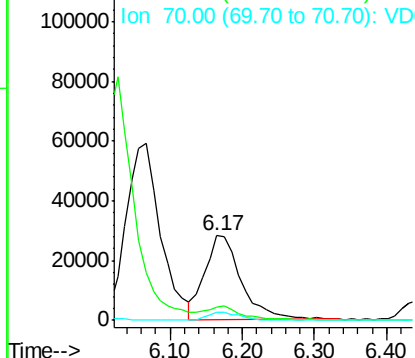
#37
Ethyl Acetate
Concen: 24.871 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 98583
Ion Ratio Lower Upper
43 100
61 15.2 13.8 20.8
70 8.9 7.8 11.8

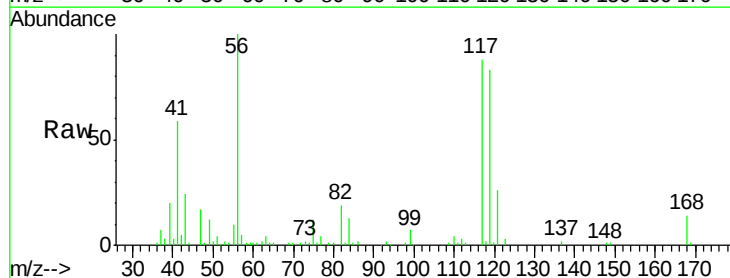


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

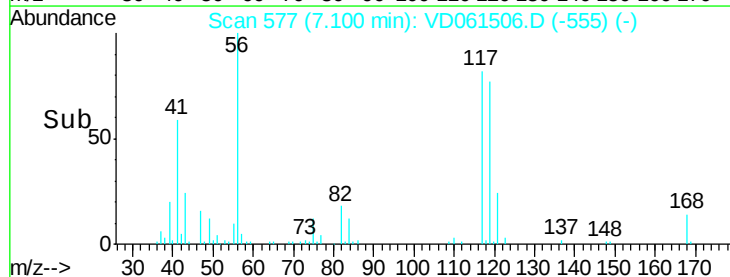
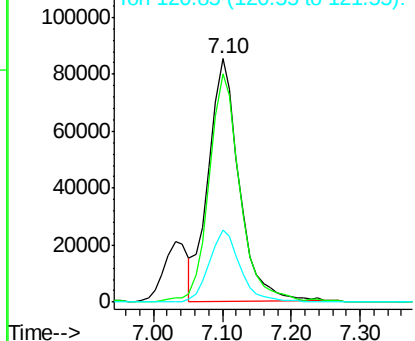


#38
Carbon Tetrachloride
Concen: 24.711 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 117 Resp: 263167
Ion Ratio Lower Upper
117 100
119 93.9 80.1 120.1
121 29.6 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 22.749 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampled :

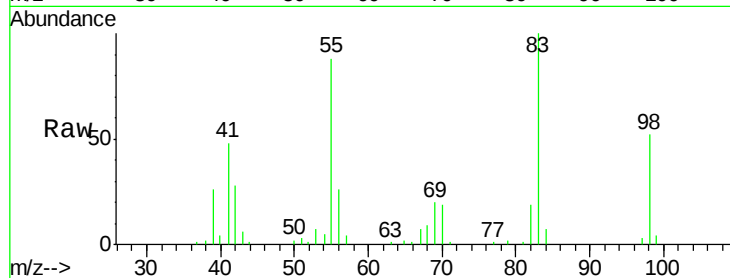
Tot Ion: 83 Resp: 219583

Ion Ratio Lower Upper

83 100

55 88.5 71.5 107.3

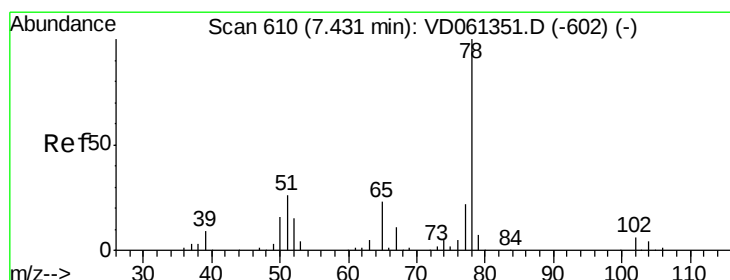
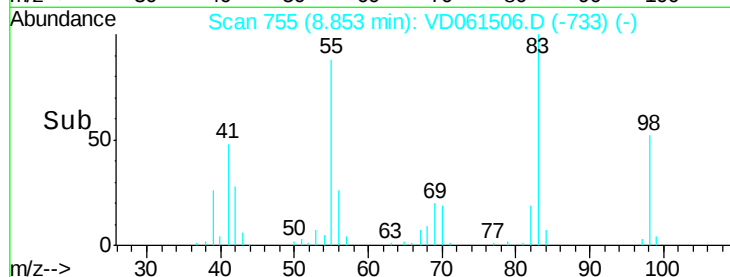
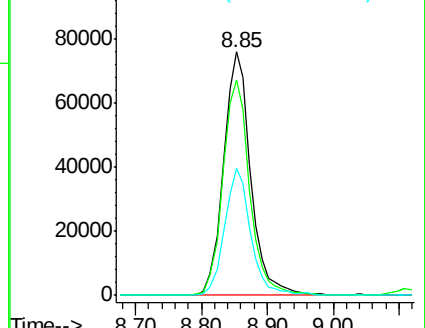
98 52.2 40.3 60.5



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: 24.579 ug/l

RT: 7.44 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061506.D

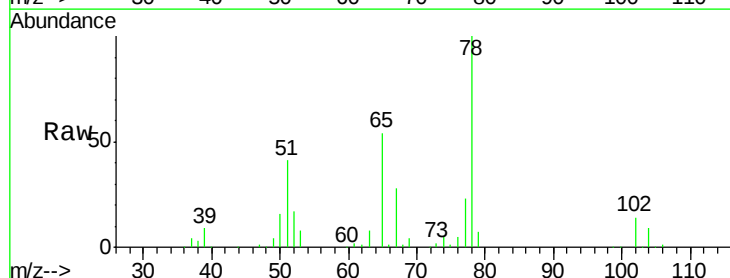
Acq: 2 Apr 2019 10:25

Tgt Ion: 78 Resp: 571721

Ion Ratio Lower Upper

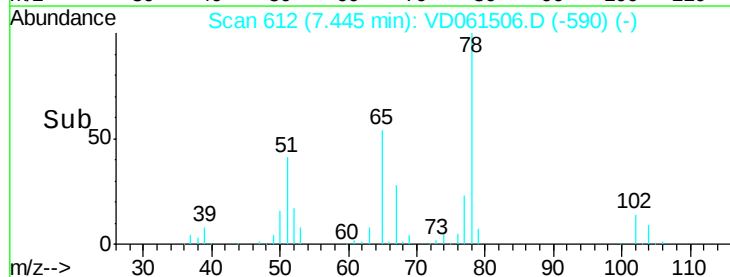
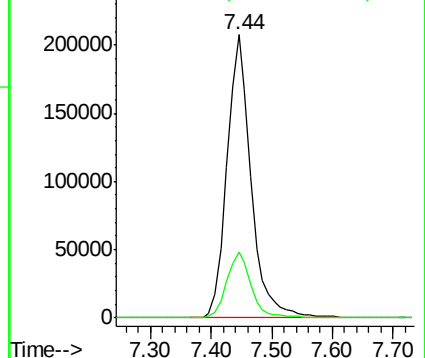
78 100

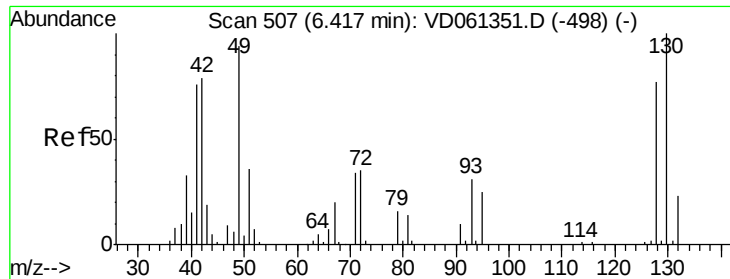
77 23.2 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 24.107 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 111727

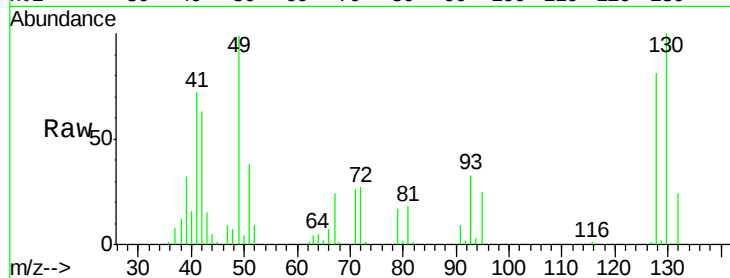
Ion Ratio Lower Upper

41 100

39 45.0 35.0 52.6

67 32.9 21.0 31.6#

52 12.5 7.7 11.5#

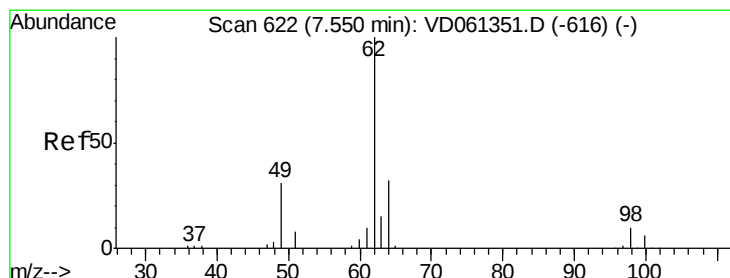
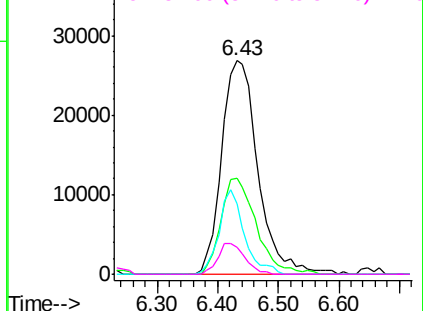
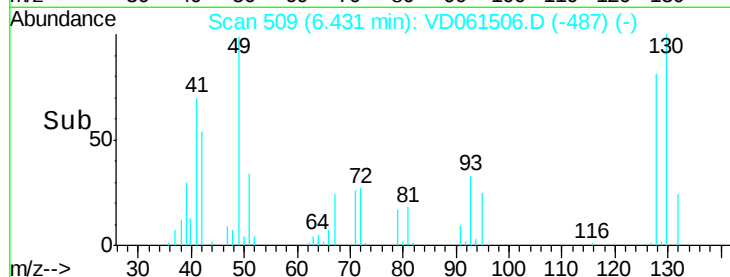


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 24.635 ug/l

RT: 7.56 min Scan# 624

Delta R.T. 0.01 min

Lab File: VD061506.D

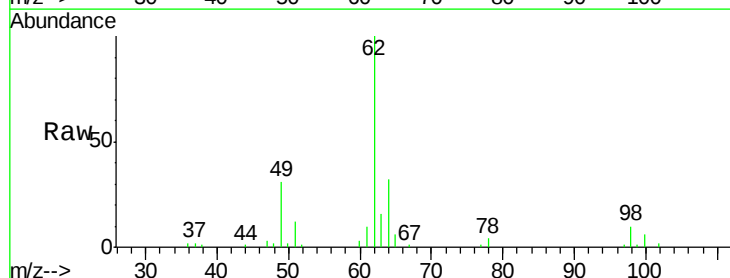
Acq: 2 Apr 2019 10:25

Tgt Ion: 62 Resp: 171401

Ion Ratio Lower Upper

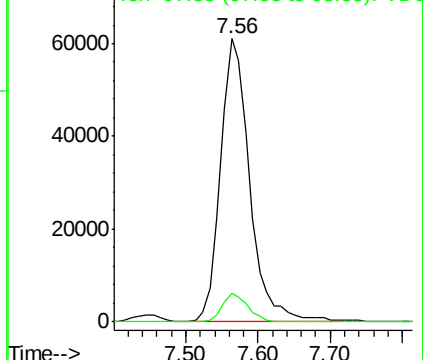
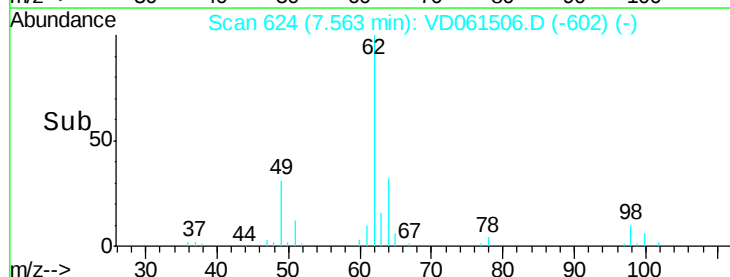
62 100

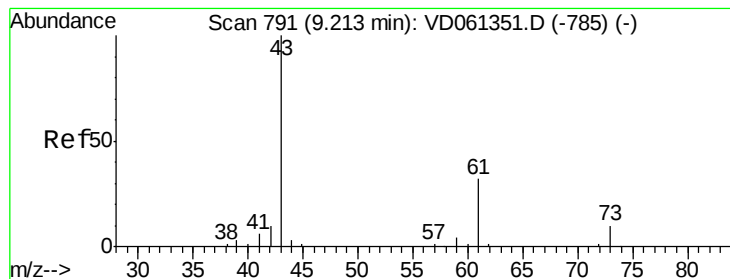
98 10.1 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.884 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampleId :

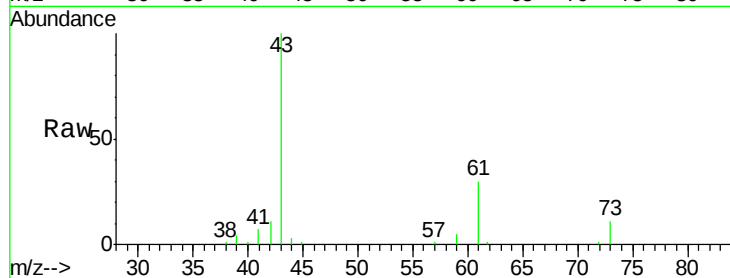
Tot Ion: 43 Resp: 137744

Ion Ratio Lower Upper

43 100

61 29.5 25.8 38.6

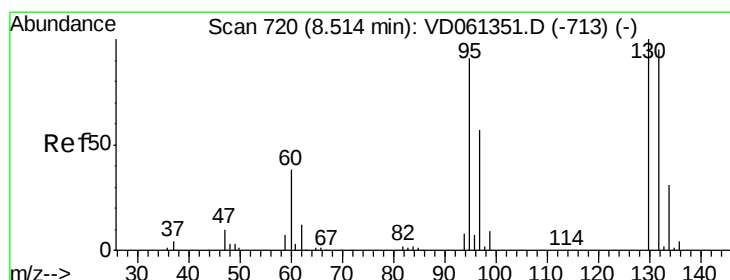
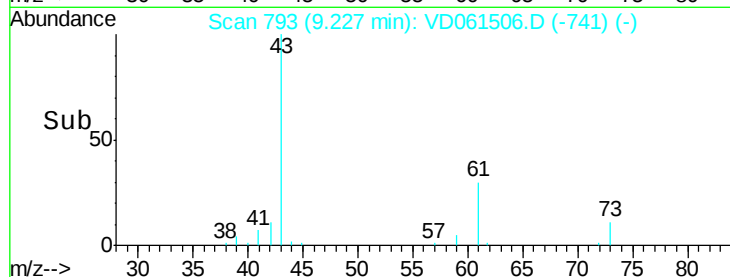
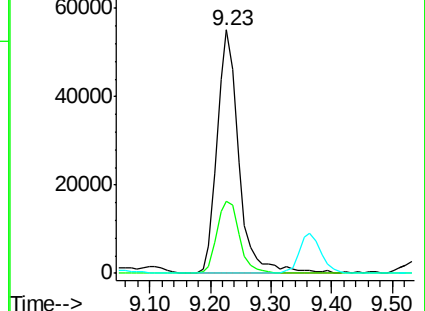
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 23.440 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD061506.D

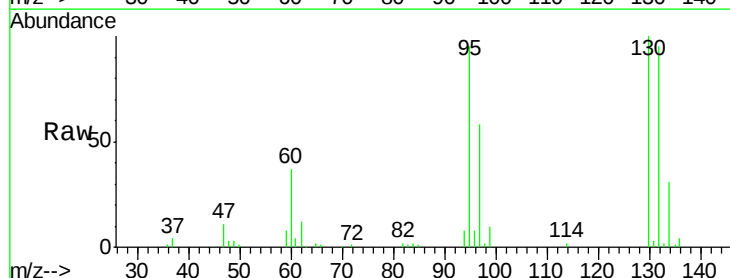
Acq: 2 Apr 2019 10:25

Tgt Ion:130 Resp: 202904

Ion Ratio Lower Upper

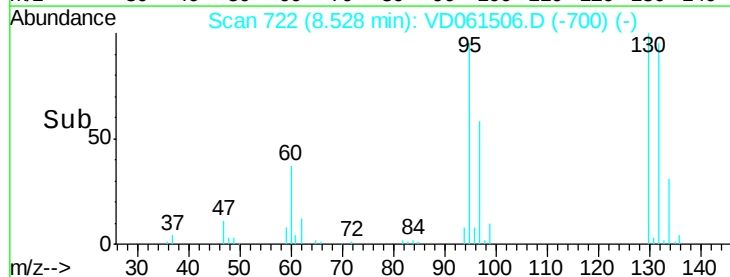
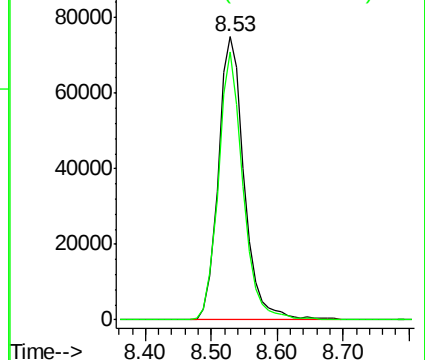
130 100

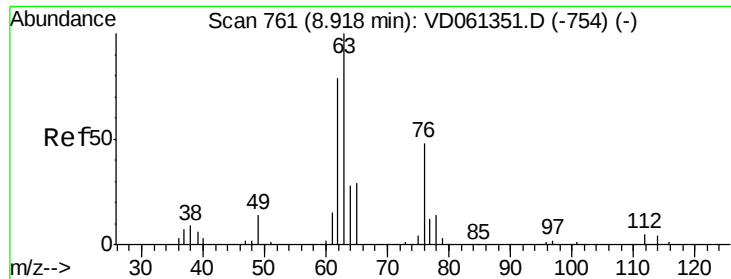
95 94.7 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.552 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

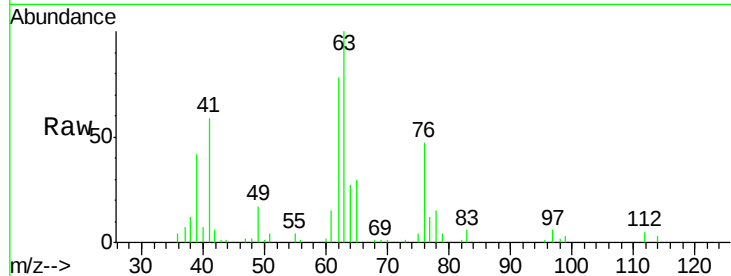
ClientSampled :

Tot Ion: 63 Resp: 138915

Ion Ratio Lower Upper

63 100

65 30.0 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

60000

50000

40000

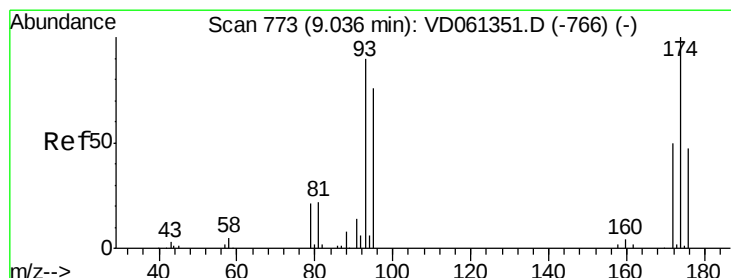
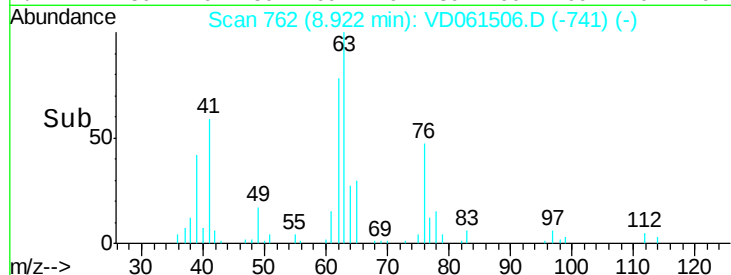
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 23.980 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

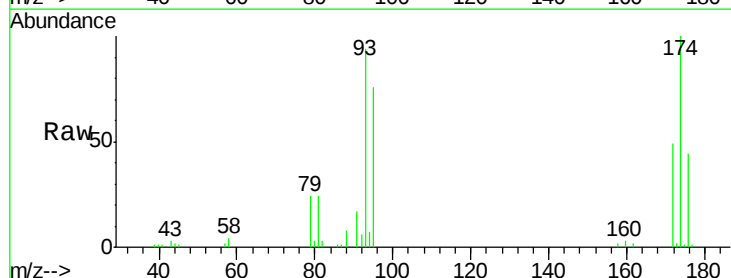
Tgt Ion: 93 Resp: 95199

Ion Ratio Lower Upper

93 100

95 80.4 67.4 101.0

174 106.3 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

50000

40000

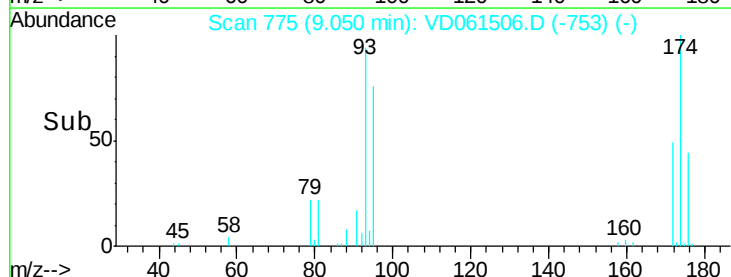
30000

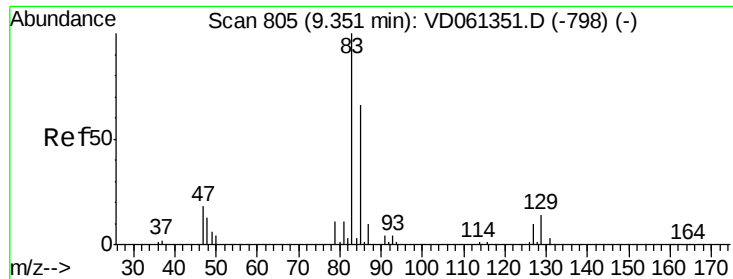
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 24.212 ug/l

RT: 9.36 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampleId :

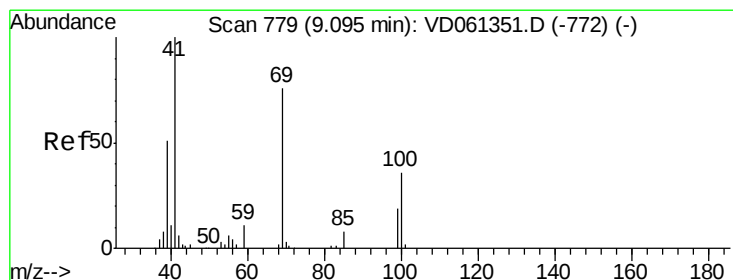
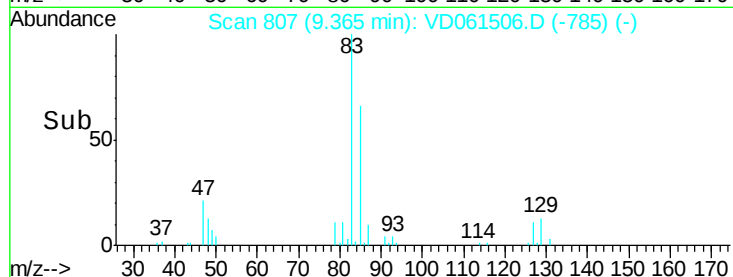
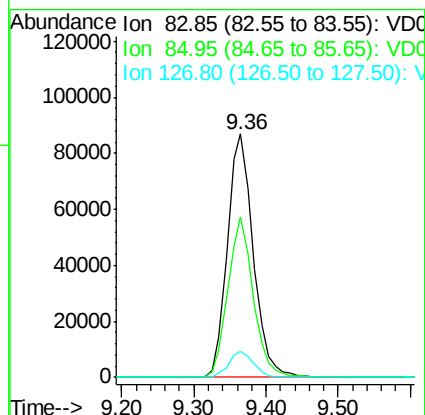
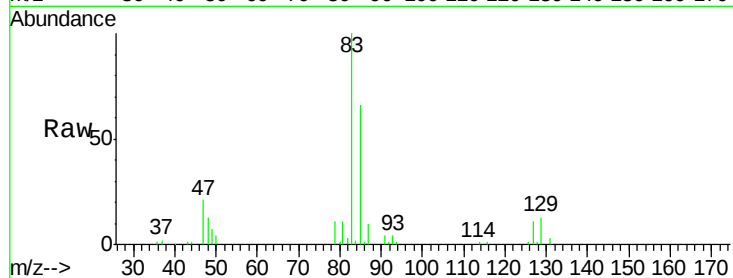
Tot Ion: 83 Resp: 215736

Ion Ratio Lower Upper

83 100

85 65.9 53.0 79.4

127 10.8 8.4 12.6



#48

Methyl methacrylate

Concen: 23.119 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

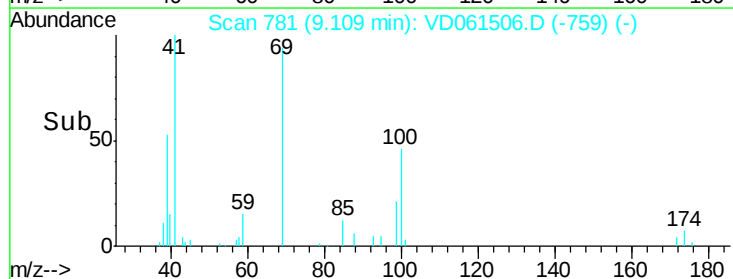
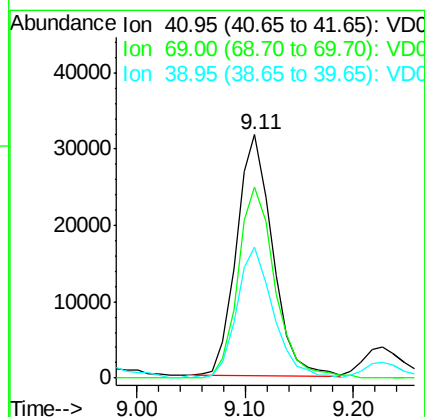
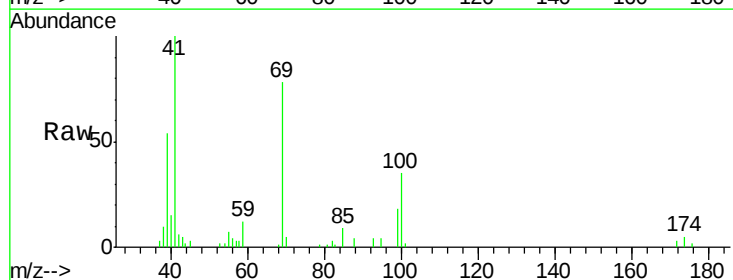
Tgt Ion: 41 Resp: 73583

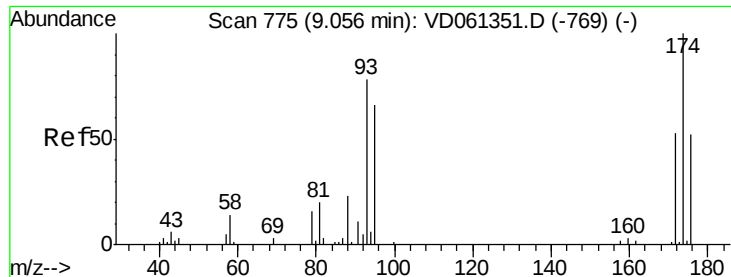
Ion Ratio Lower Upper

41 100

69 78.3 60.2 90.4

39 53.7 41.4 62.2

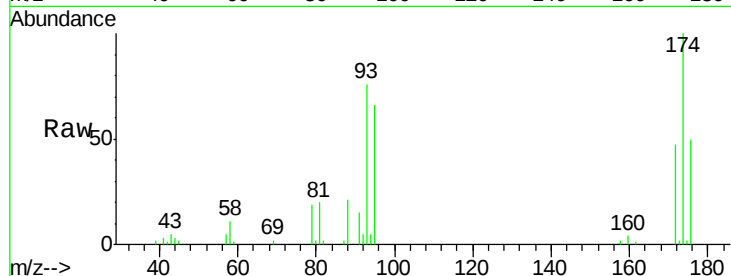




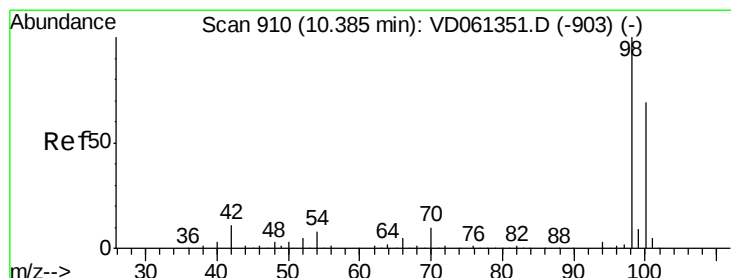
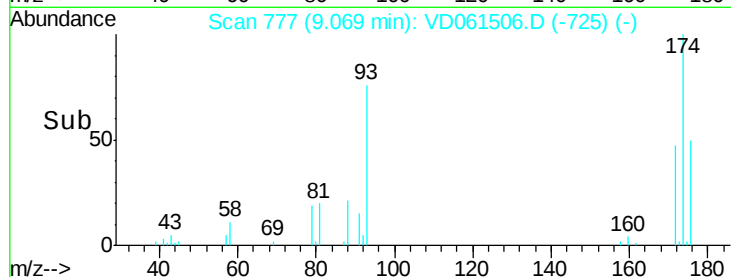
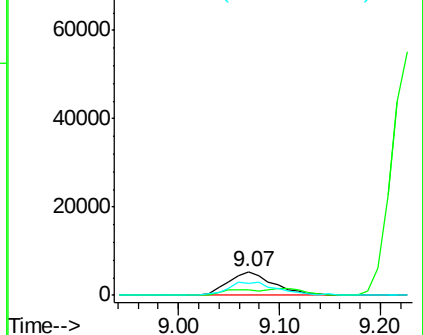
#49
1,4-Dioxane
Concen: 474.617 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 16662
Ion Ratio Lower Upper
88 100
43 24.5 23.3 34.9
58 53.3 50.8 76.2

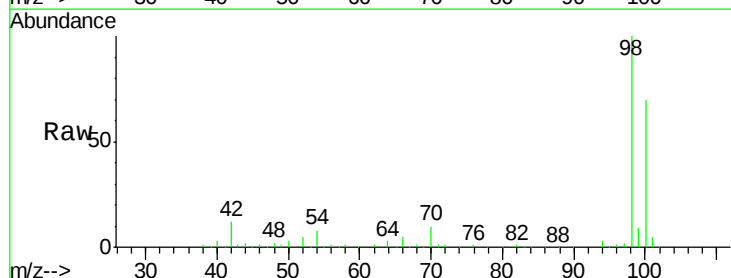


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

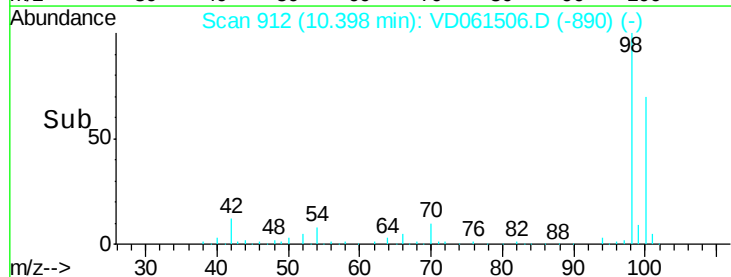
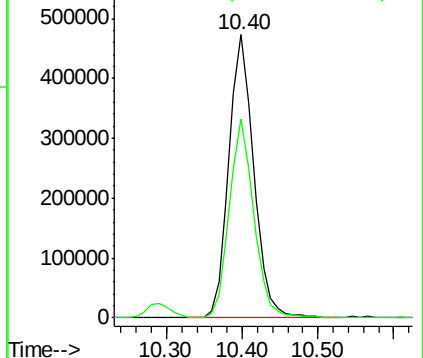


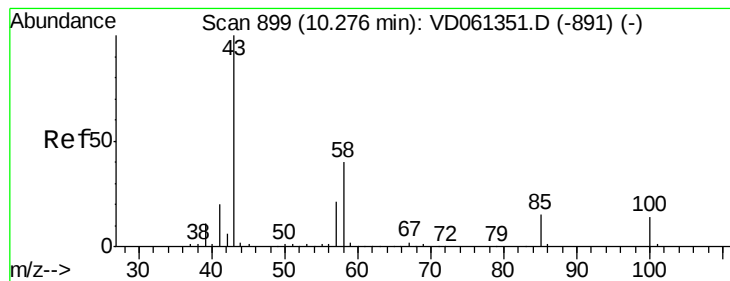
#50
Toluene-d8
Concen: 474.617 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 98 Resp: 1076509
Ion Ratio Lower Upper
98 100
100 70.4 56.2 84.2



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: 121.538 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

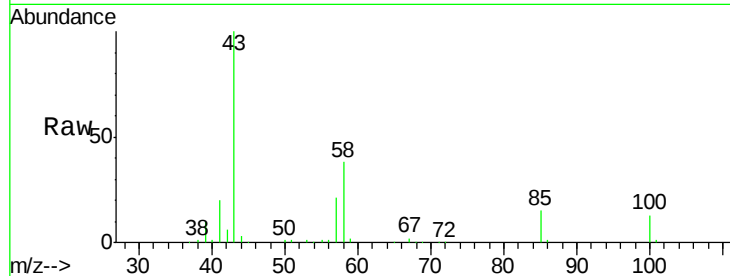
ClientSampleId :

Tot Ion: 43 Resp: 426437

Ion Ratio Lower Upper

43 100

58 37.9 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

200000

150000

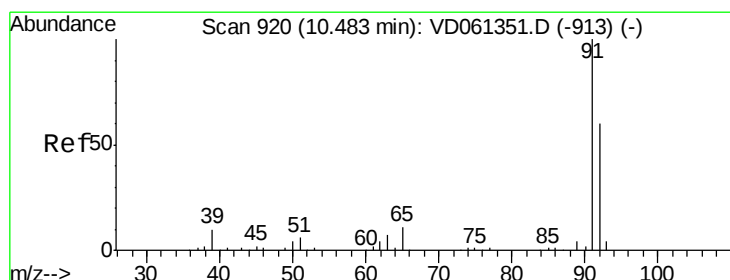
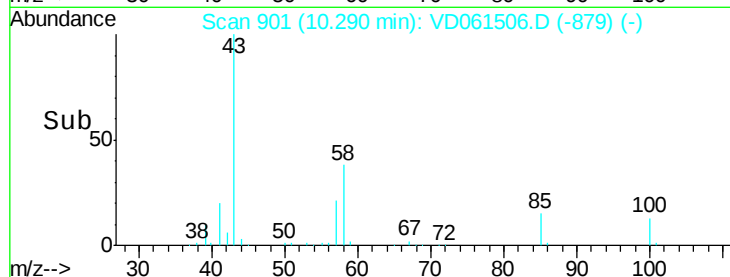
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 25.211 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061506.D

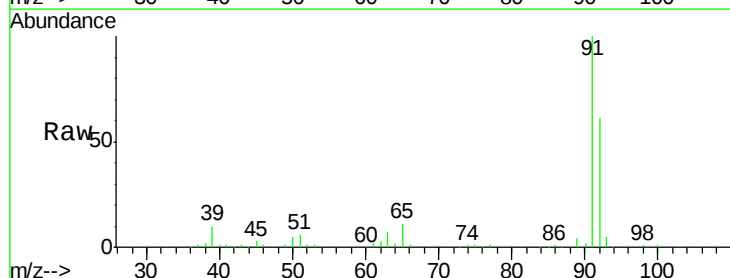
Acq: 2 Apr 2019 10:25

Tgt Ion: 92 Resp: 357751

Ion Ratio Lower Upper

92 100

91 163.8 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

150000

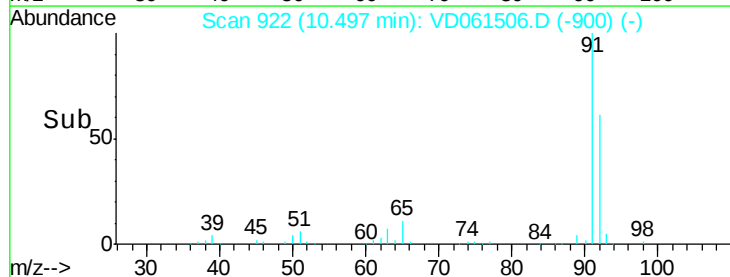
100000

50000

0

Time-->

10.40 10.50 10.60

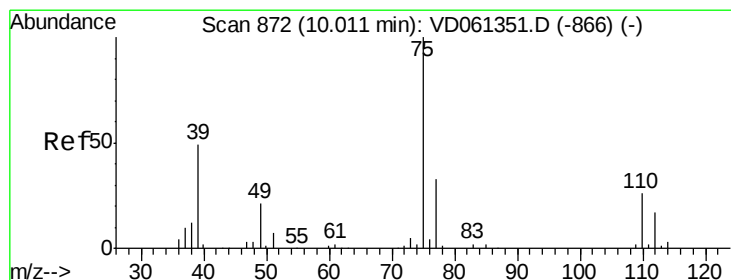
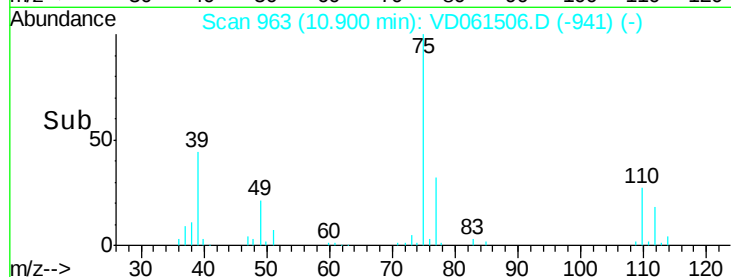
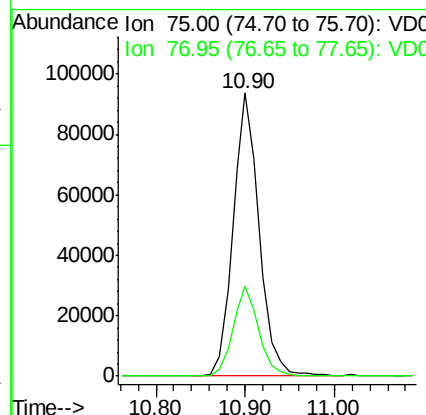
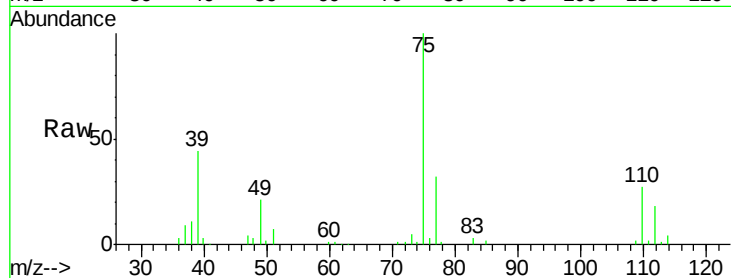




#53
 t-1,3-Dichloropropene
 Concen: 23.586 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

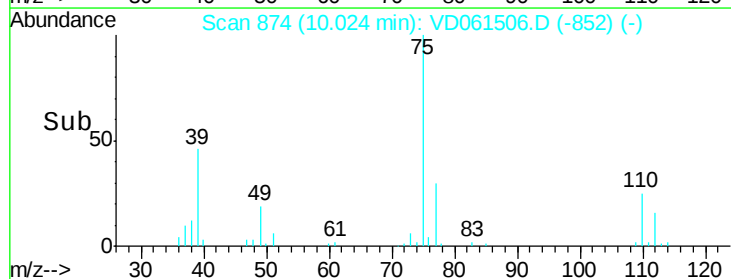
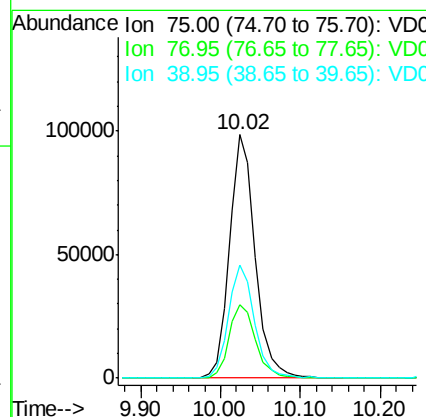
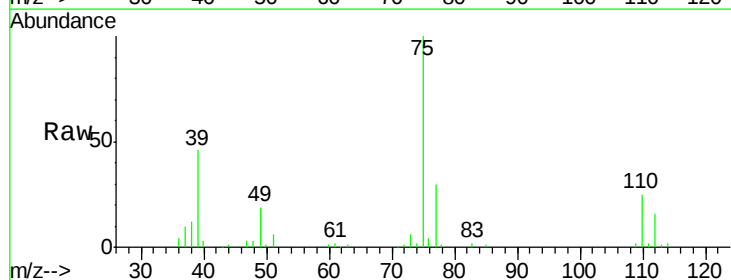
Instrument :
 MSVOA_D
 ClientSampleId :

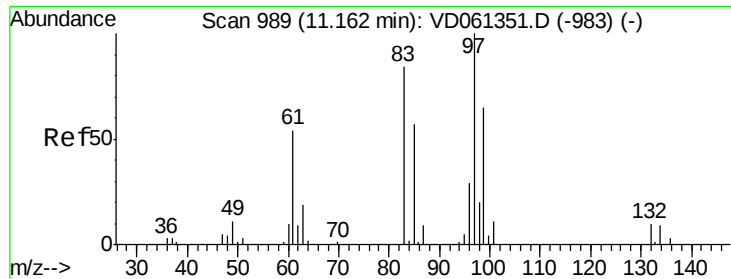
Tot Ion: 75 Resp: 190937
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 22.621 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion: 75 Resp: 222986
 Ion Ratio Lower Upper
 75 100
 77 30.2 26.2 39.4
 39 46.4 39.4 59.0

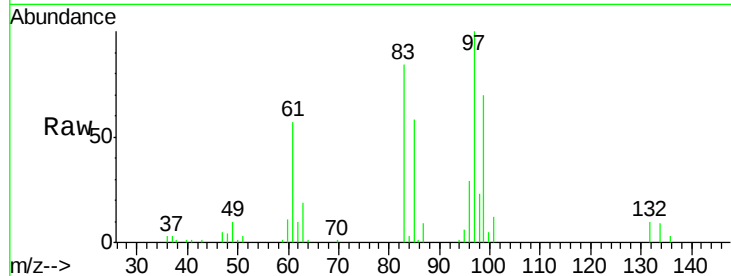




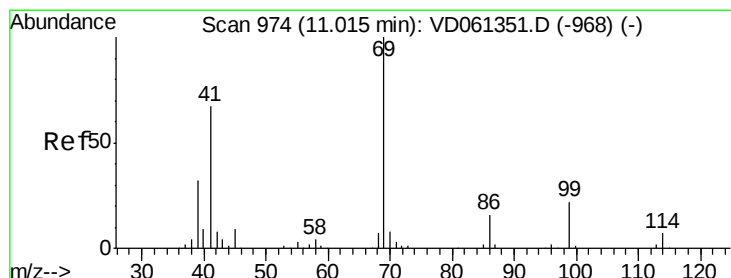
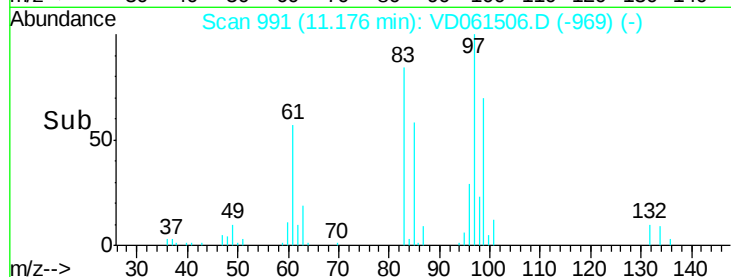
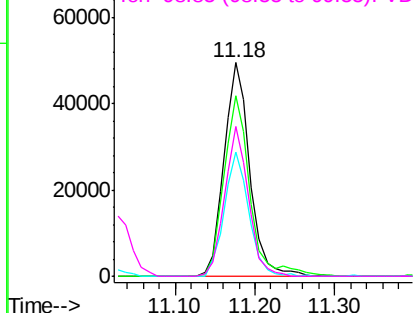
#55
 1,1,2-Trichloroethane
 Concen: 22.556 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	111938
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.0	100.6
85	58.4	45.4	68.2
99	69.9	51.9	77.9

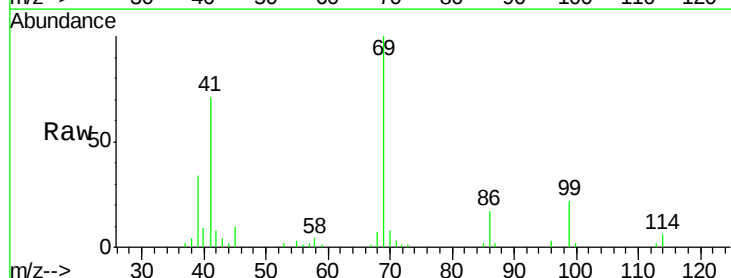


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

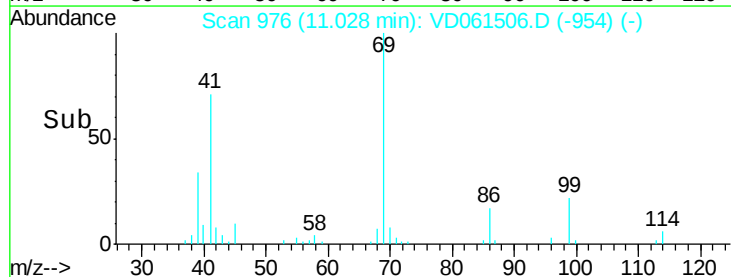
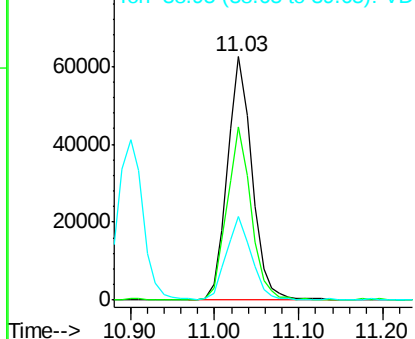


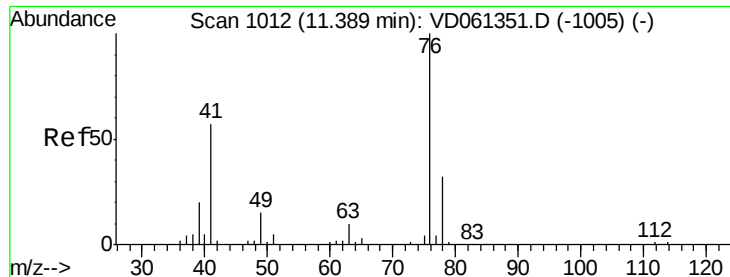
#56
 Ethyl methacrylate
 Concen: 23.894 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion:	69	Resp:	127389
Ion	Ratio	Lower	Upper
69	100		
41	71.3	53.8	80.6
39	34.2	26.4	39.6



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

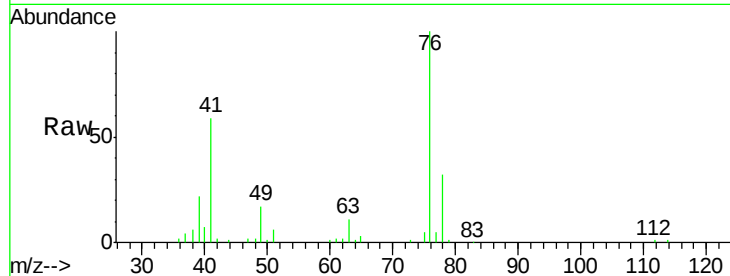




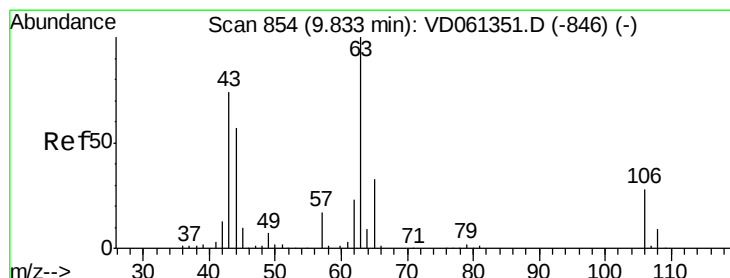
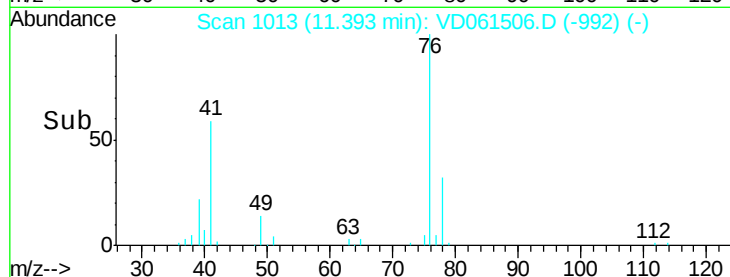
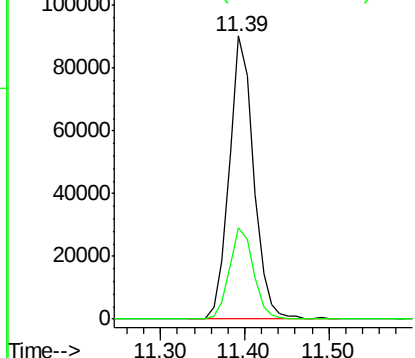
#57
 1,3-Dichloropropane
 Concen: 24.920 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 181772
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0

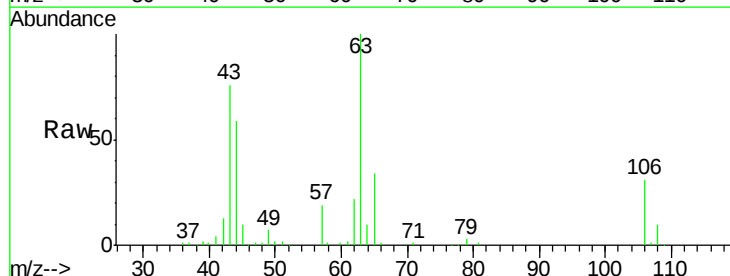


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

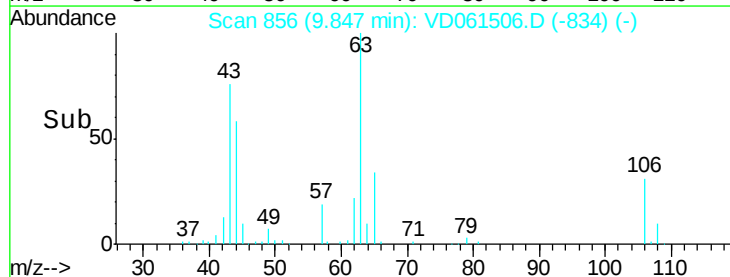
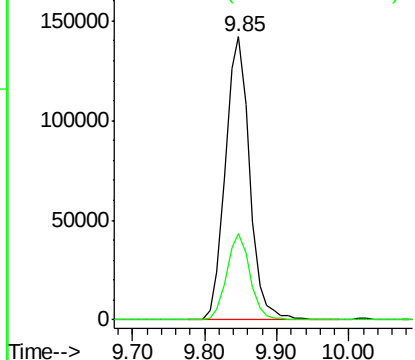


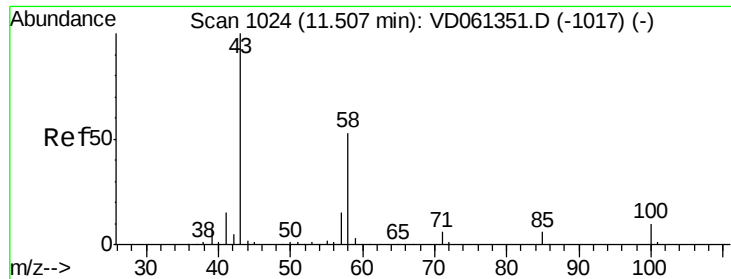
#58
 2-Chloroethyl Vinyl ether
 Concen: 127.743 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion: 63 Resp: 331660
 Ion Ratio Lower Upper
 63 100
 106 30.6 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

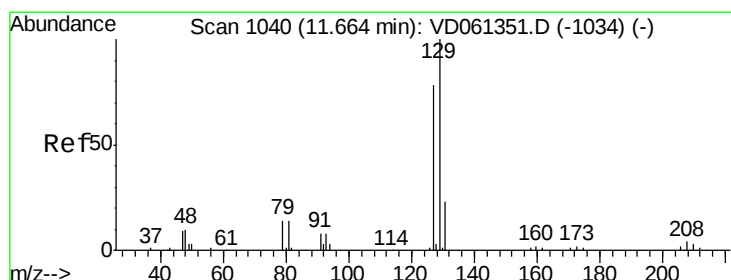
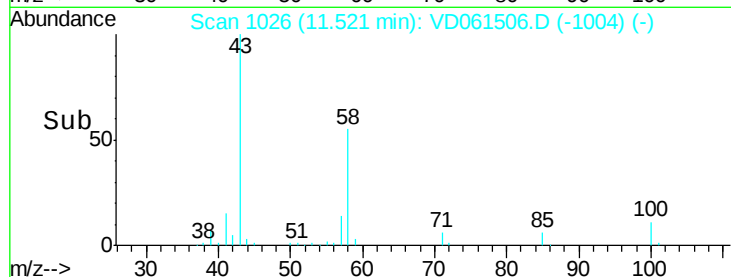
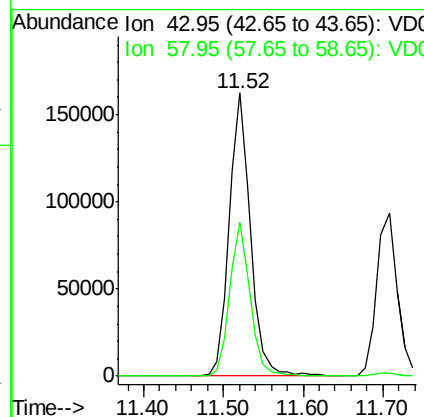
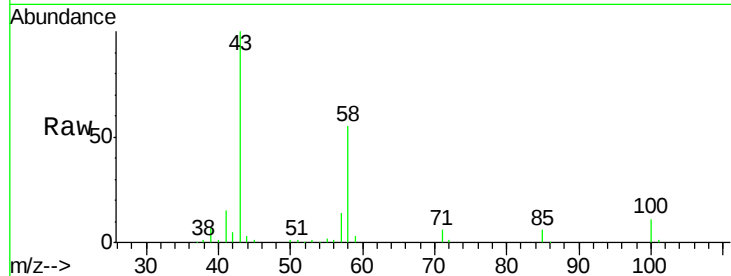




#59
2-Hexanone
Concen: 120.353 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

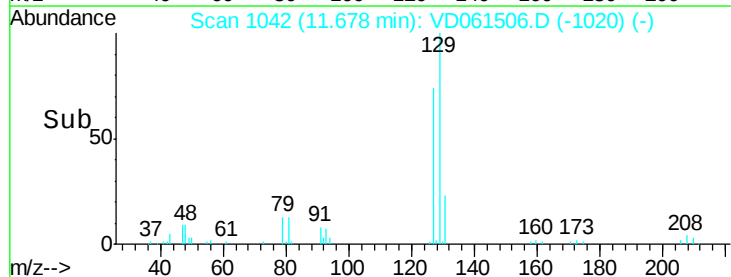
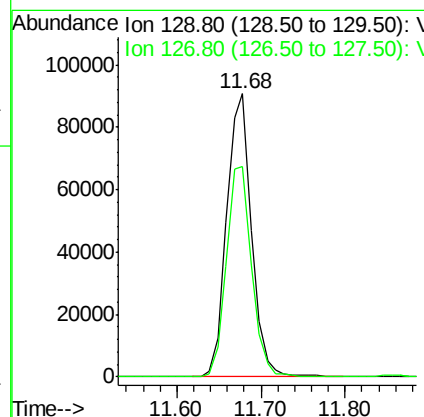
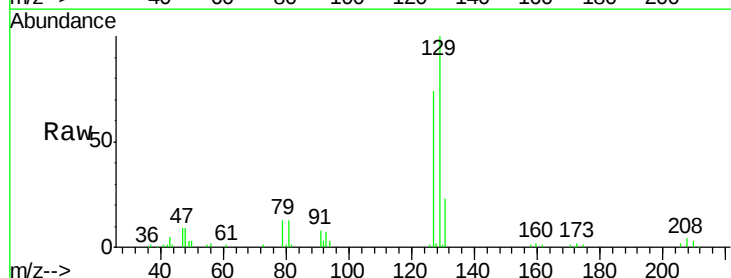
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 305954
Ion Ratio Lower Upper
43 100
58 54.5 26.3 78.9



#60
Dibromochloromethane
Concen: 24.132 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion:129 Resp: 184621
Ion Ratio Lower Upper
129 100
127 74.3 39.0 116.9

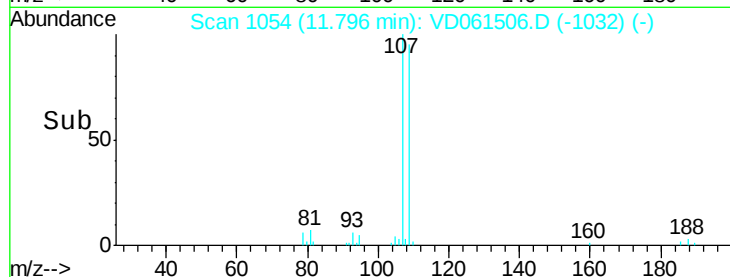
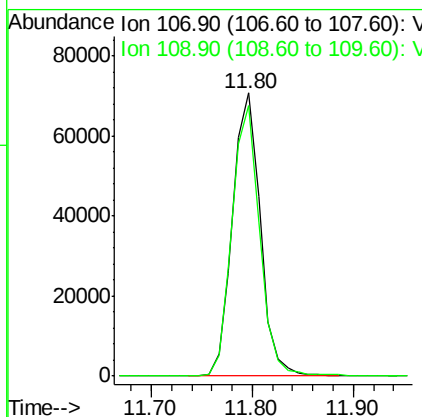
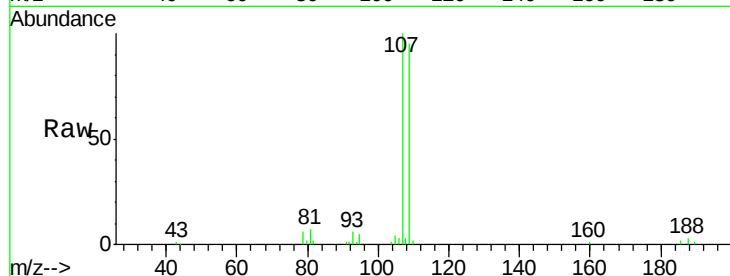




#61
 1,2-Dibromoethane
 Concen: 23.512 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

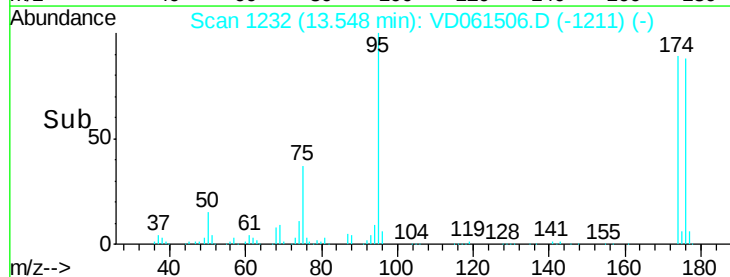
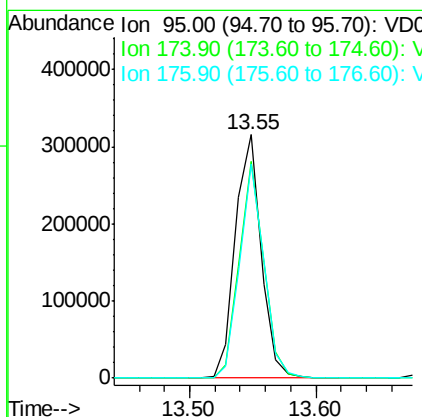
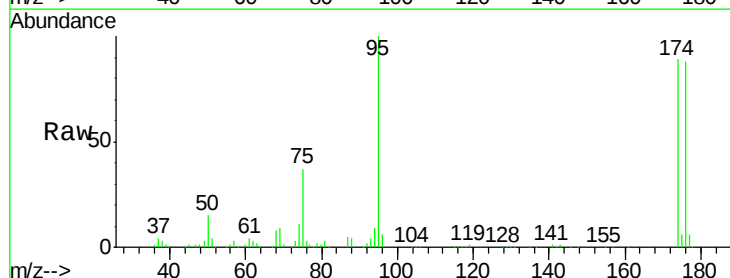
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 107 Resp: 135111
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 23.512 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion: 95 Resp: 443263
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 178.0
 176 88.0 0.0 175.0

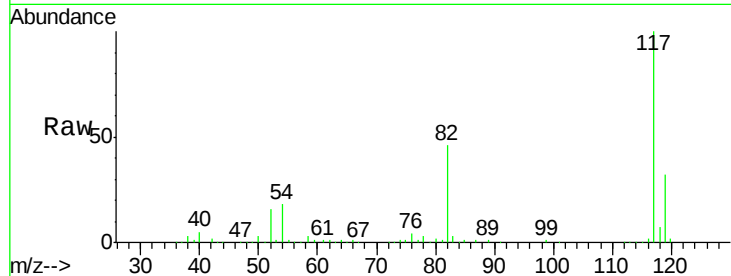




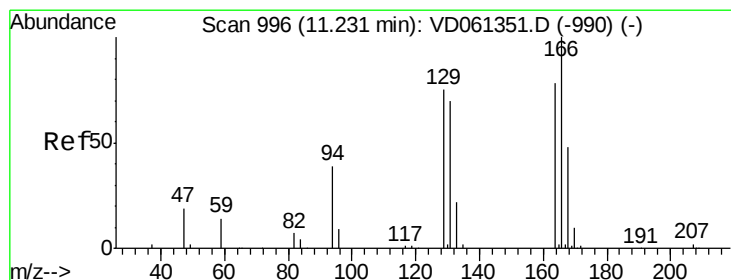
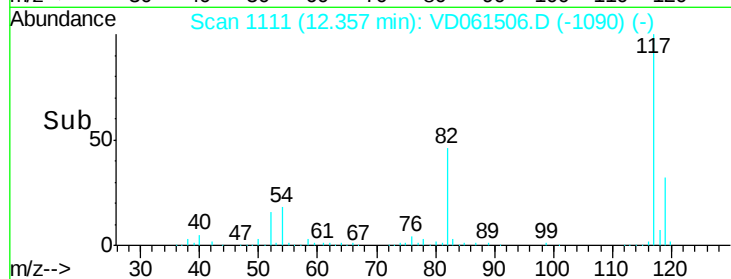
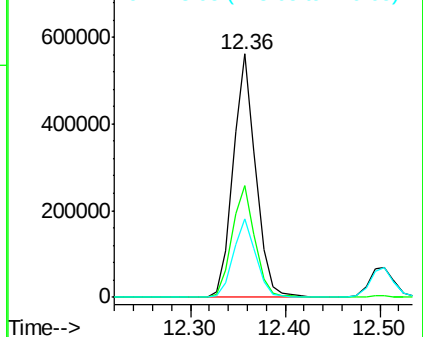
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 921425
Ion Ratio Lower Upper
117 100
82 45.9 34.4 51.6
119 32.5 25.8 38.6

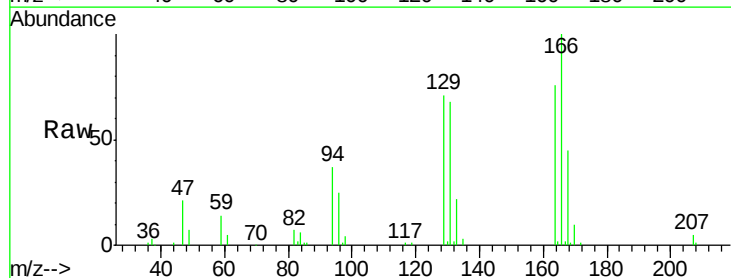


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

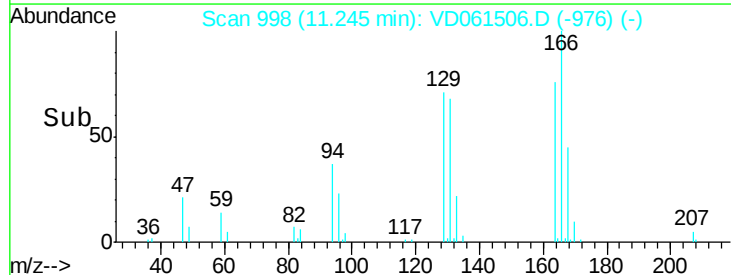
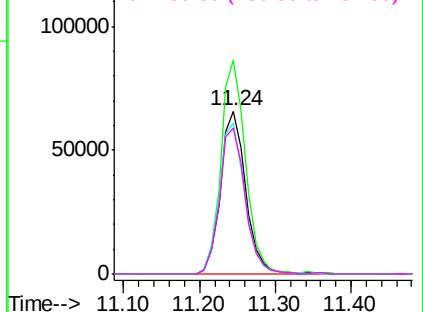


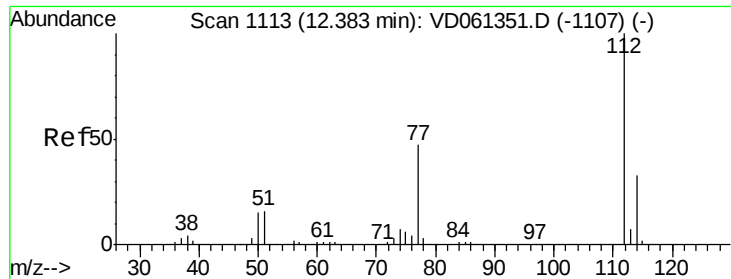
#64
Tetrachloroethene
Concen: 21.029 ug/l
RT: 11.24 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion:164 Resp: 152073
Ion Ratio Lower Upper
164 100
166 131.0 102.4 153.6
129 92.4 76.8 115.2
131 89.6 71.8 107.6



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

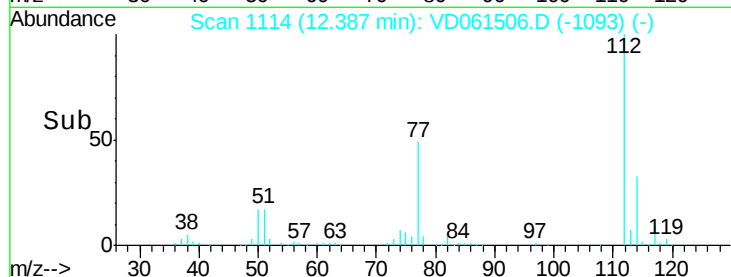
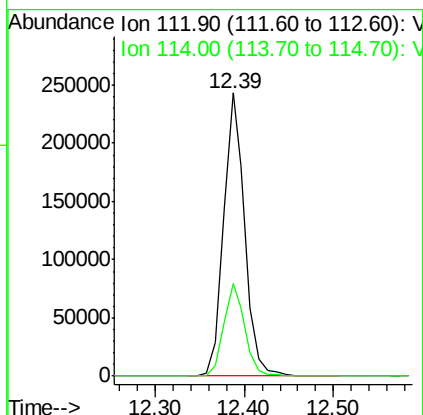
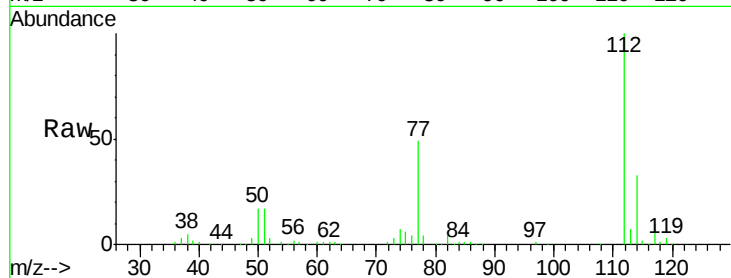




#65
Chlorobenzene
Concen: 21.523 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

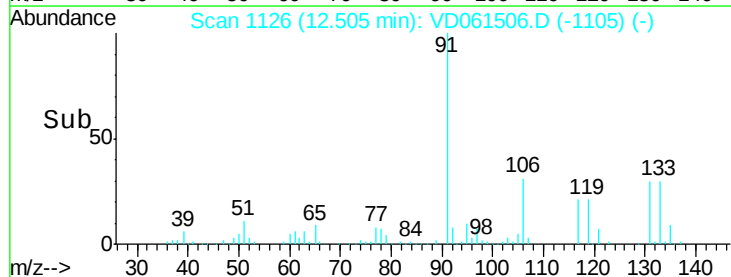
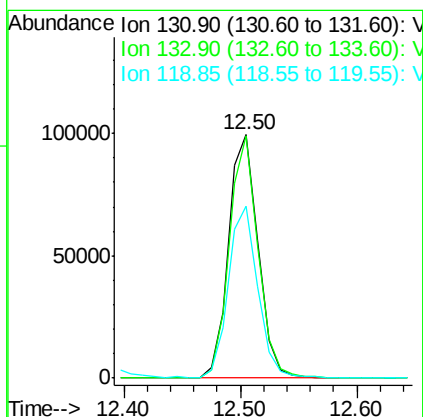
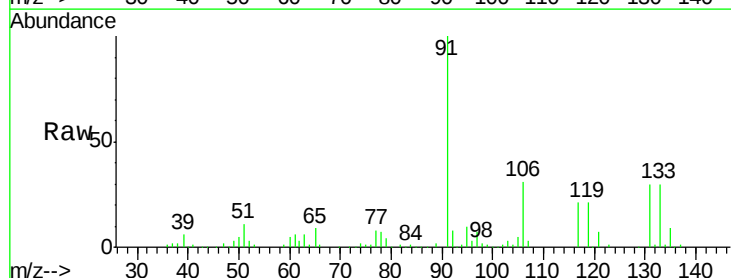
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 405300
Ion Ratio Lower Upper
112 100
114 32.6 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.868 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion:131 Resp: 174025
Ion Ratio Lower Upper
131 100
133 99.5 49.4 148.2
119 70.4 34.1 102.2

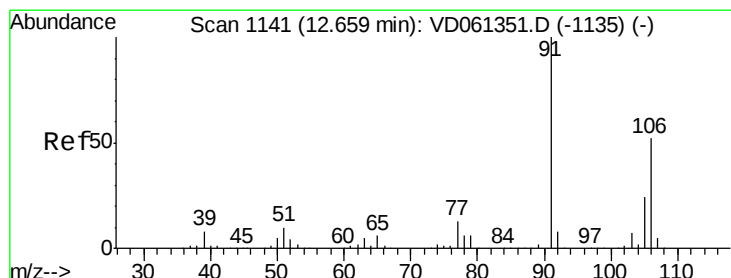
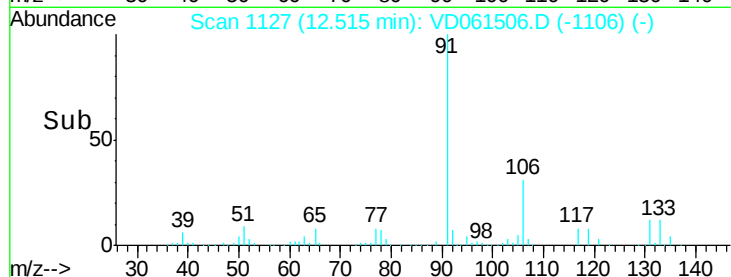
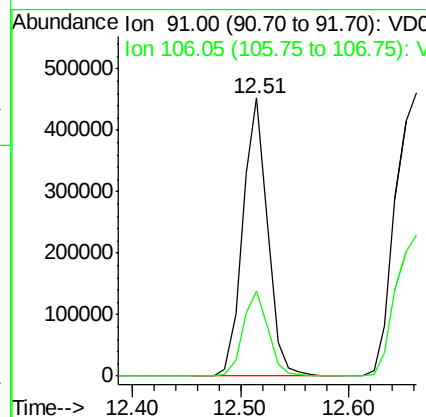
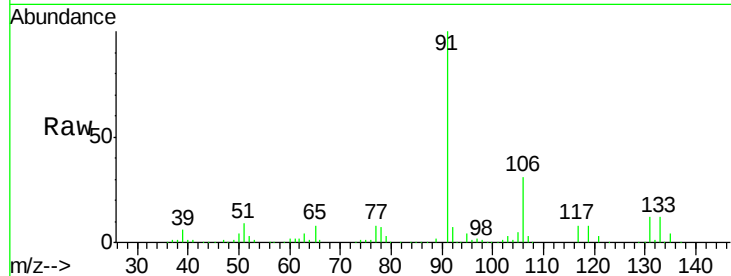




#67
Ethyl Benzene
Concen: 24.946 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

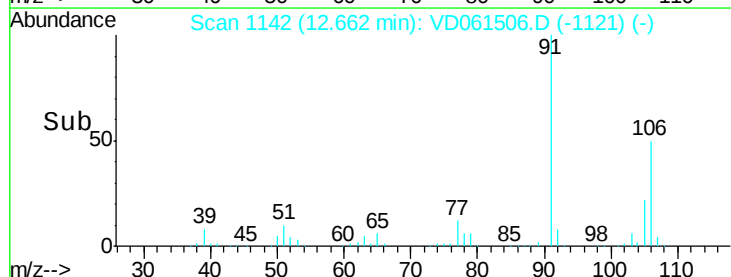
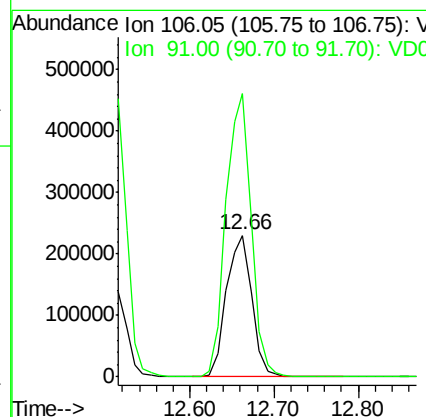
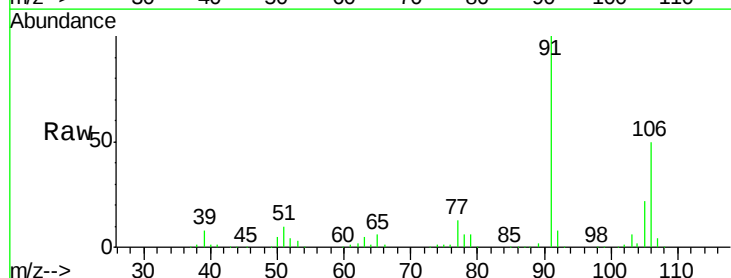
Instrument :
MSVOA_D
ClientSampleID :

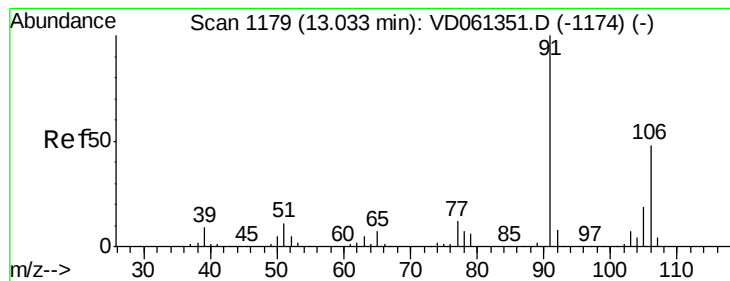
Tot Ion: 91 Resp: 717029
Ion Ratio Lower Upper
91 100
106 30.7 26.1 39.1



#68
m/p-Xylenes
Concen: 44.155 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion:106 Resp: 480757
Ion Ratio Lower Upper
106 100
91 200.1 153.1 229.7





#69

o-Xylene

Concen: 23.263 ug/l

RT: 13.04 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

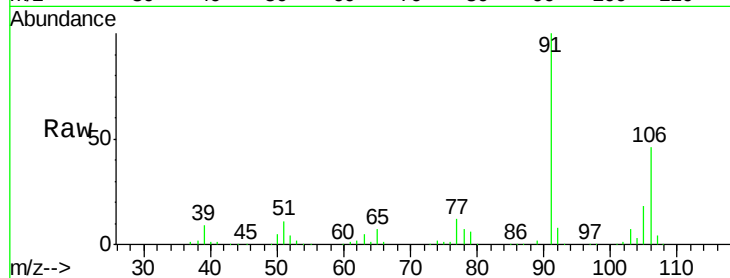
ClientSampled :

Tot Ion:106 Resp: 245798

Ion Ratio Lower Upper

106 100

91 215.4 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

400000

300000

200000

100000

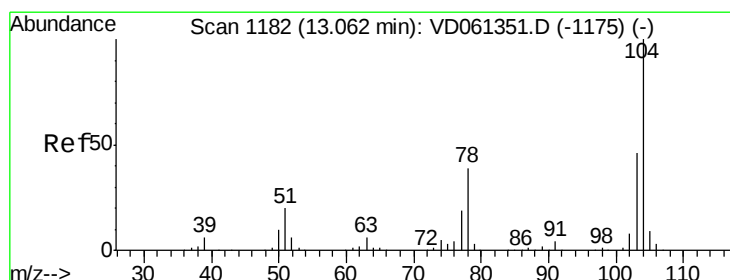
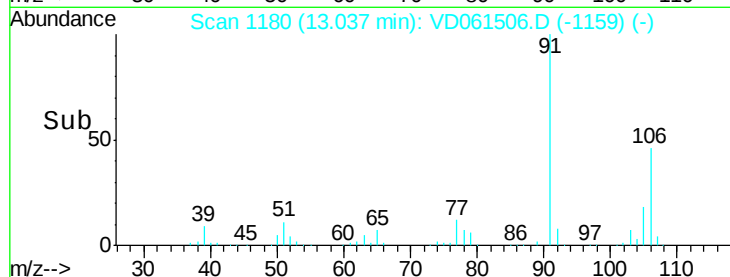
0

13.04

13.00

13.10

Time-->



#70

Styrene

Concen: 23.756 ug/l

RT: 13.07 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

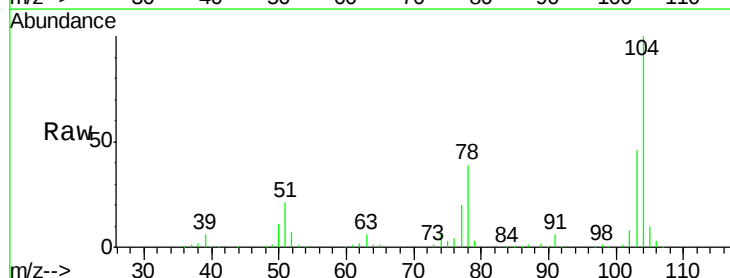
Tgt Ion:104 Resp: 437542

Ion Ratio Lower Upper

104 100

78 39.0 31.0 46.6

103 45.8 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

300000

200000

100000

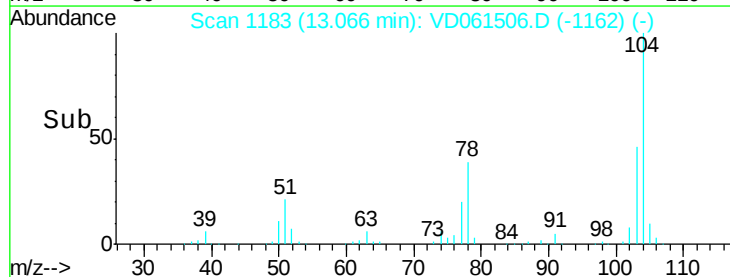
0

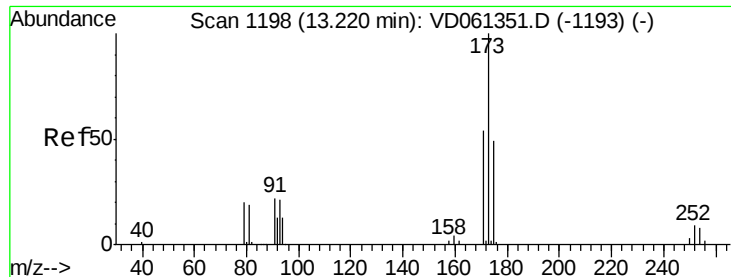
13.07

13.00

13.20

Time-->

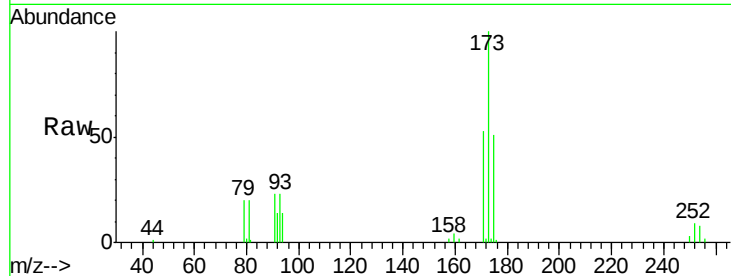




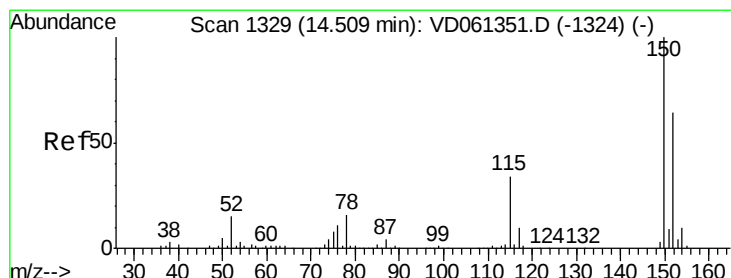
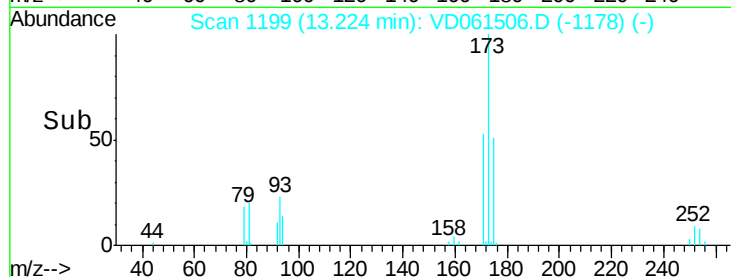
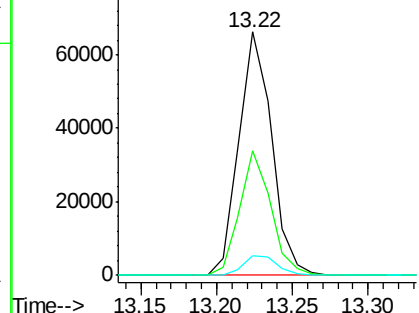
#71
Bromoform
Concen: 21.488 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 99314
Ion Ratio Lower Upper
173 100
175 51.3 24.6 73.8
254 8.0 6.6 10.0

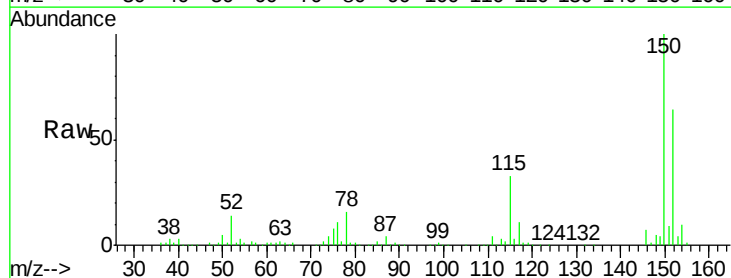


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

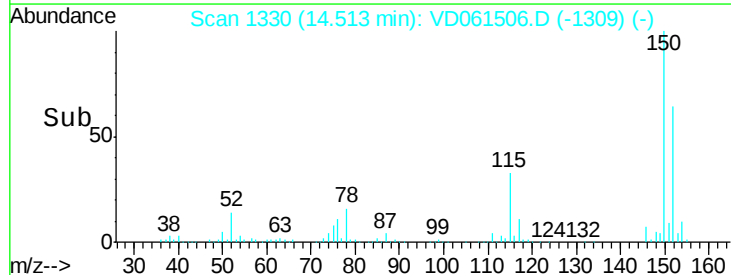
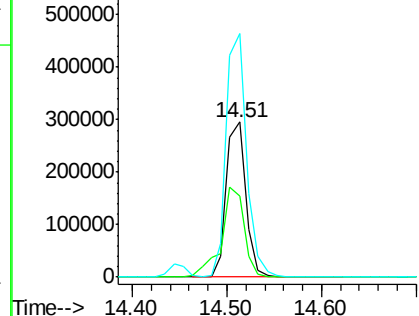


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion:152 Resp: 423492
Ion Ratio Lower Upper
152 100
115 52.3 26.9 80.6
150 156.9 0.0 318.0



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

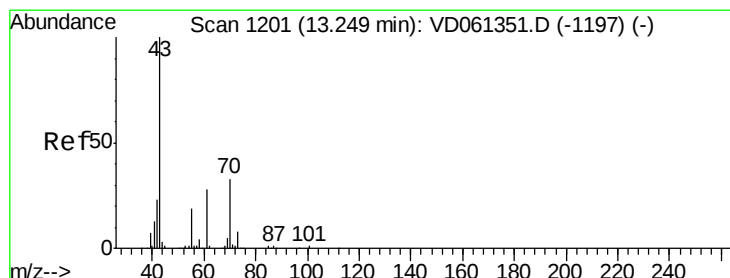
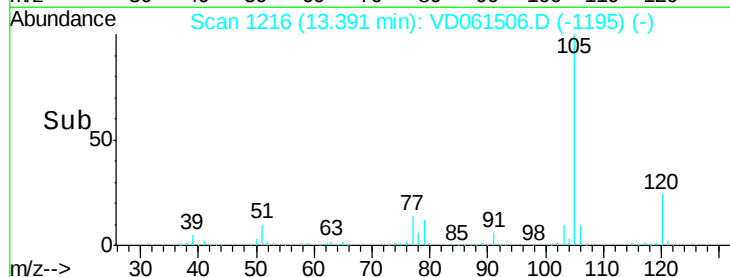
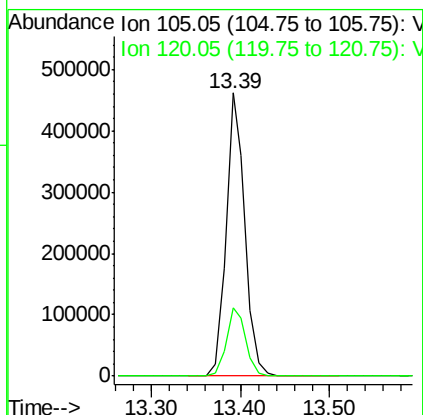
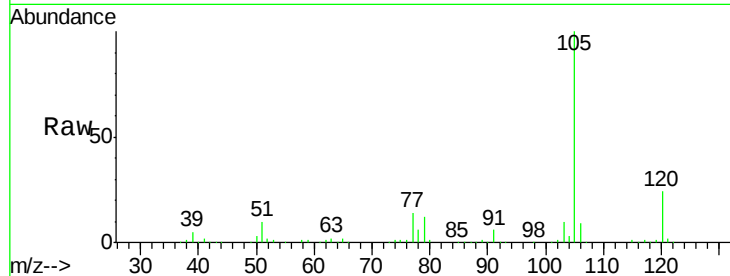




#73
Isopropylbenzene
Concen: 23.144 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

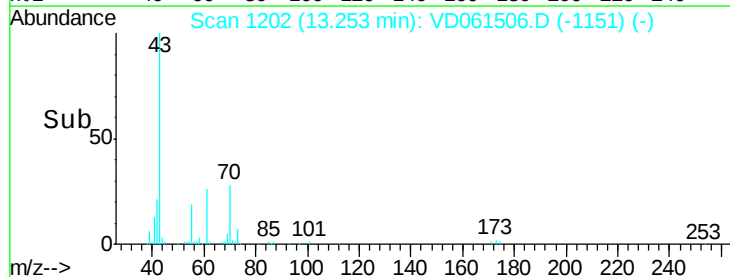
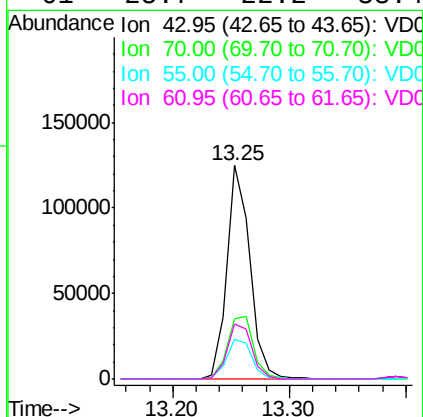
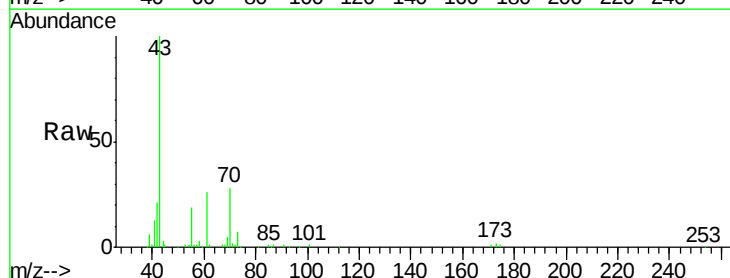
Instrument :
MSVOA_D
ClientSampleId :

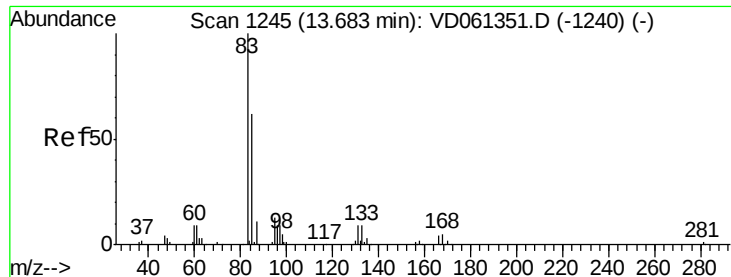
Tot Ion:105 Resp: 682172
Ion Ratio Lower Upper
105 100
120 24.1 12.8 38.3



#74
N-ethyl acetate
Concen: 20.807 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 43 Resp: 170838
Ion Ratio Lower Upper
43 100
70 28.1 26.6 40.0
55 18.6 15.4 23.2
61 25.7 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.806 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampleId :

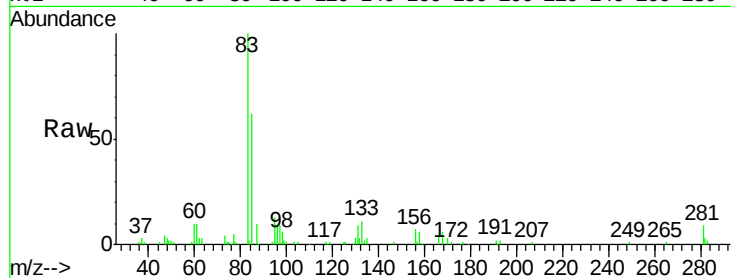
Tot Ion: 83 Resp: 135585

Ion Ratio Lower Upper

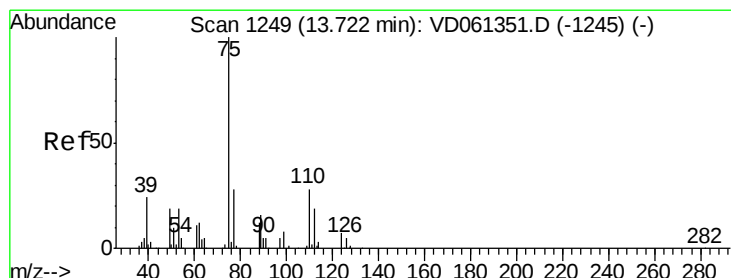
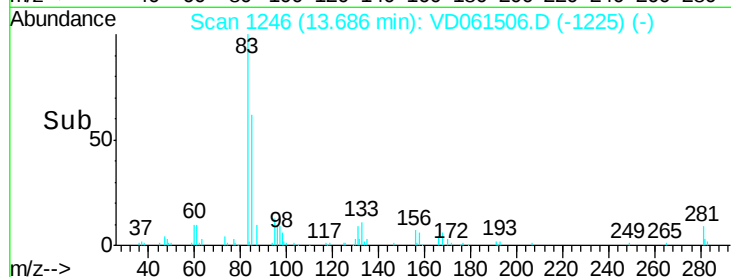
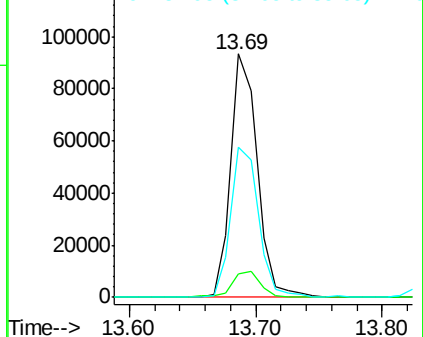
83 100

131 9.4 4.3 13.1

85 61.8 31.2 93.6



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: 21.886 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061506.D

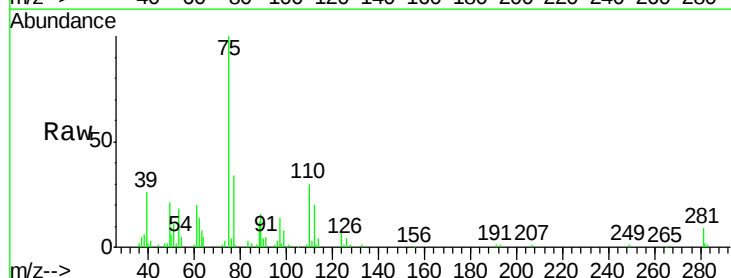
Acq: 2 Apr 2019 10:25

Tgt Ion: 75 Resp: 133885

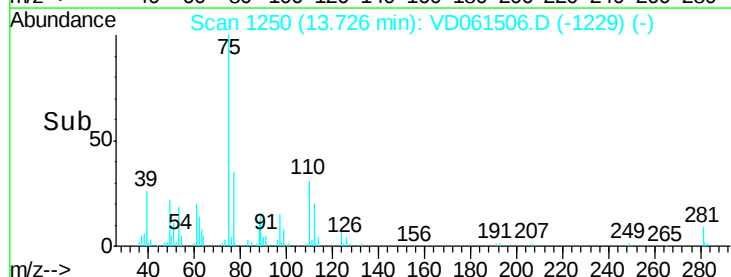
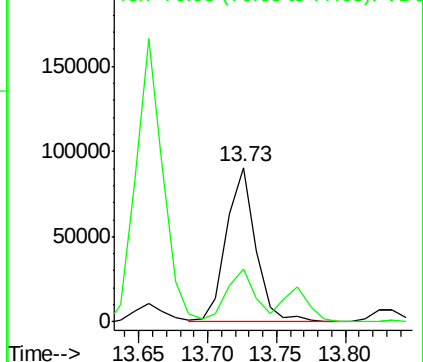
Ion Ratio Lower Upper

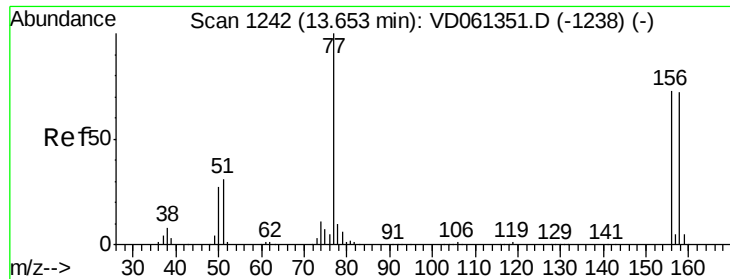
75 100

77 34.1 16.2 48.5



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





#77

Bromobenzene

Concen: 20.958 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampled :

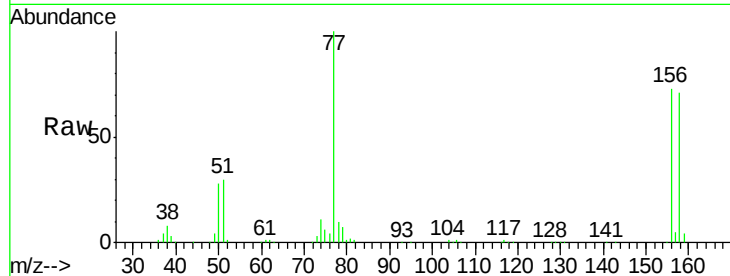
Tot Ion:156 Resp: 183129

Ion Ratio Lower Upper

156 100

77 136.2 68.5 205.6

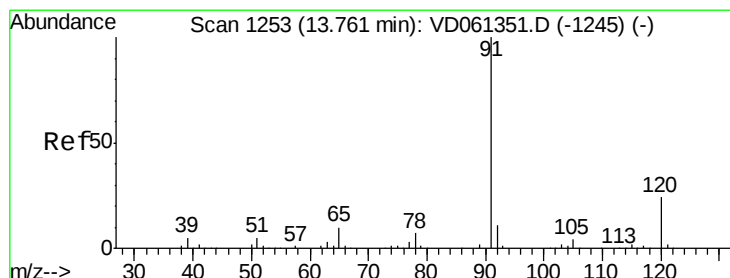
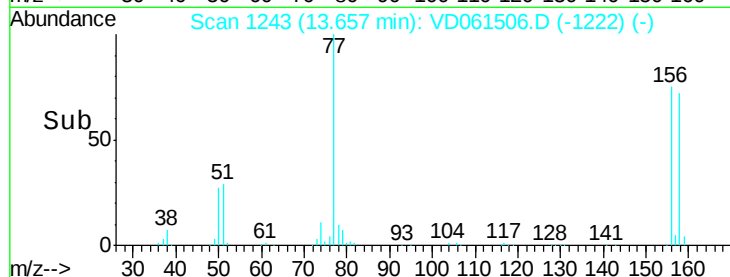
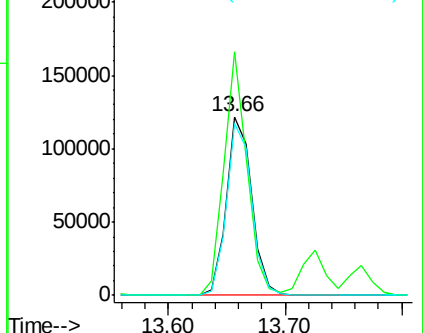
158 96.5 49.1 147.3



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: 21.292 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061506.D

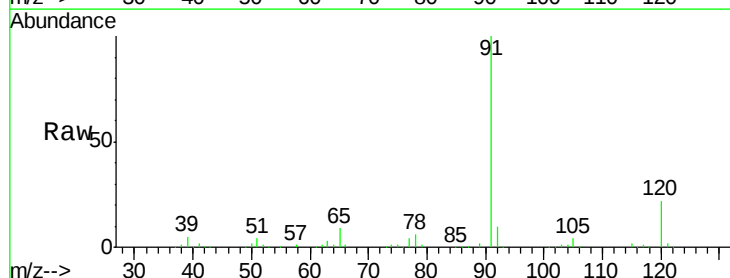
Acq: 2 Apr 2019 10:25

Tgt Ion: 91 Resp: 768002

Ion Ratio Lower Upper

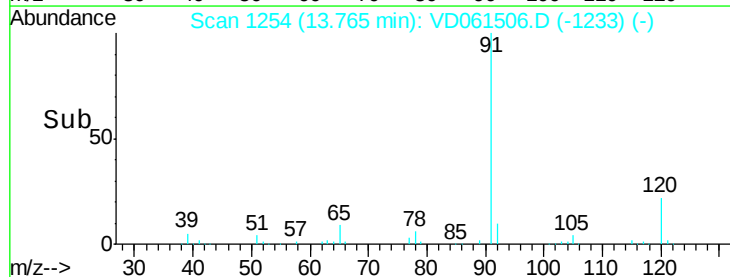
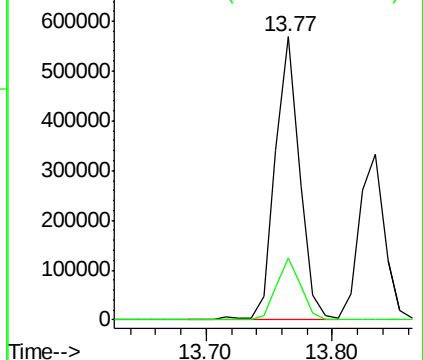
91 100

120 22.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

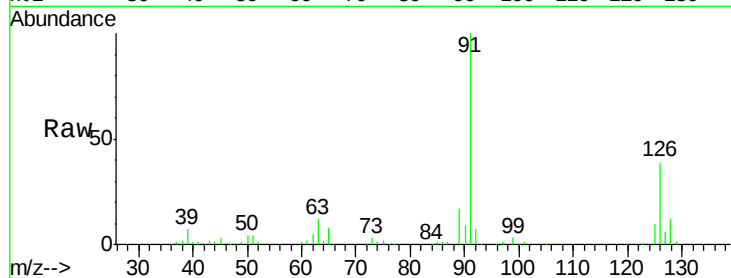




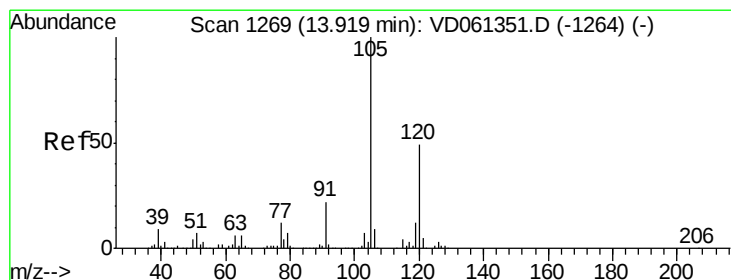
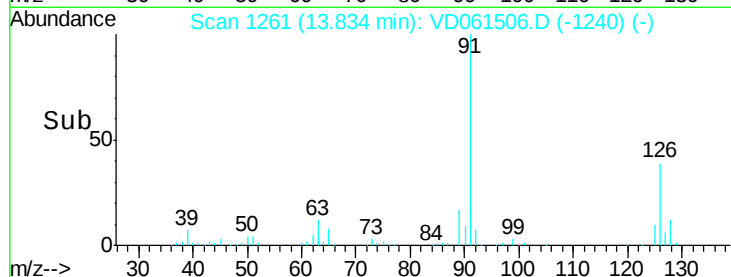
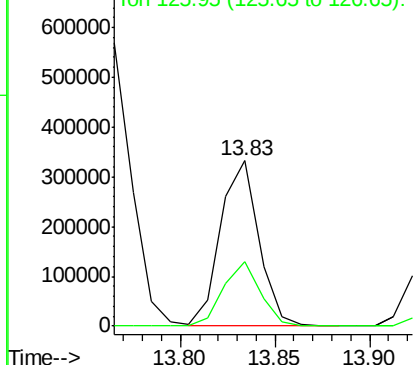
#79
2-Chlorotoluene
Concen: 23.804 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 466205
Ion Ratio Lower Upper
91 100
126 39.3 19.4 58.2

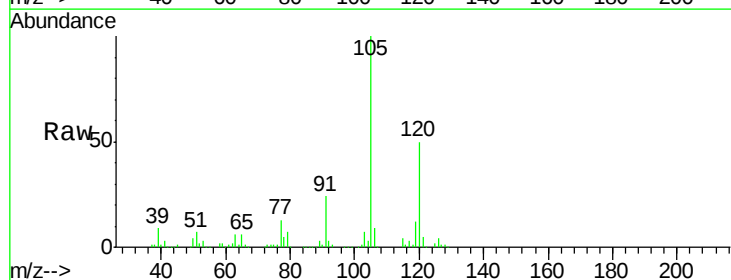


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

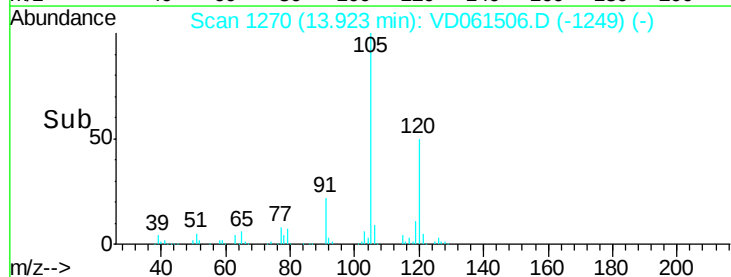
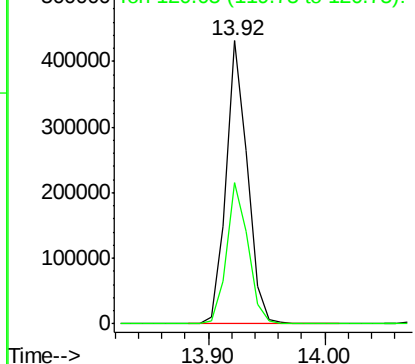


#80
1,3,5-Trimethylbenzene
Concen: 23.910 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion: 105 Resp: 546802
Ion Ratio Lower Upper
105 100
120 50.0 24.6 73.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.454 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampled :

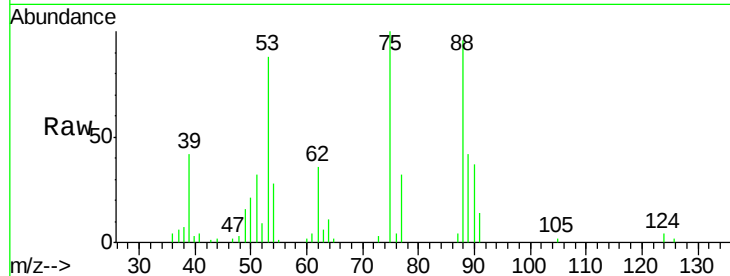
Tot Ion: 75 Resp: 38152

Ion Ratio Lower Upper

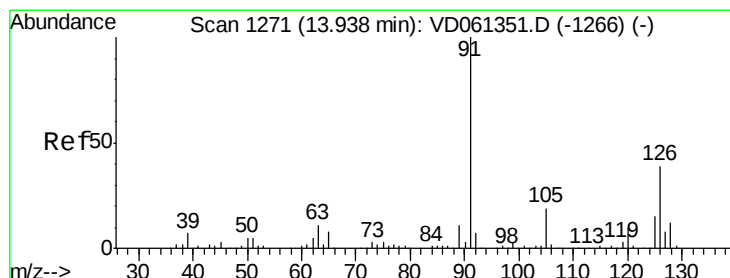
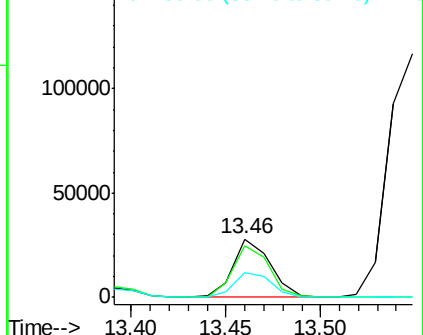
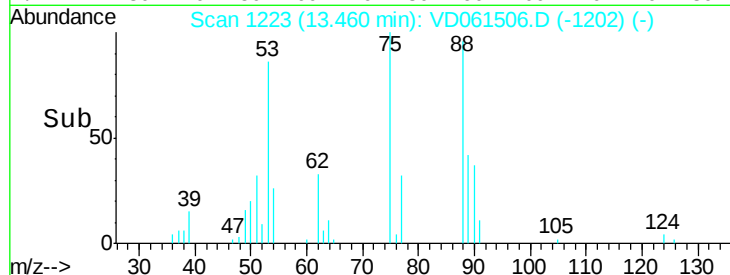
75 100

53 88.0 63.8 95.8

89 42.4 30.5 45.7



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: 23.606 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061506.D

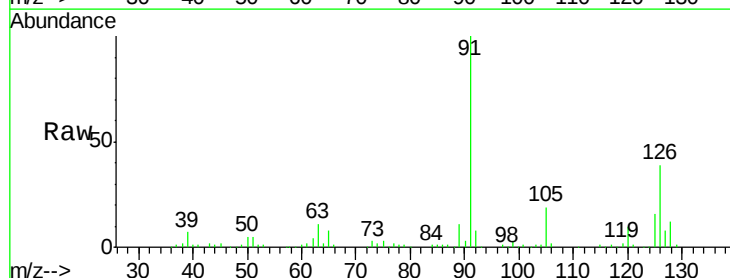
Acq: 2 Apr 2019 10:25

Tgt Ion: 91 Resp: 502708

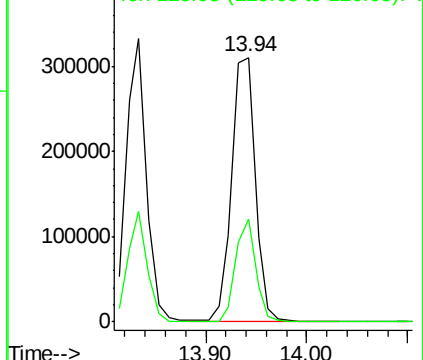
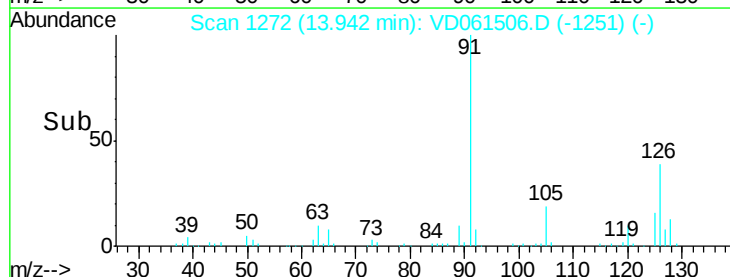
Ion Ratio Lower Upper

91 100

126 38.8 19.6 58.8



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

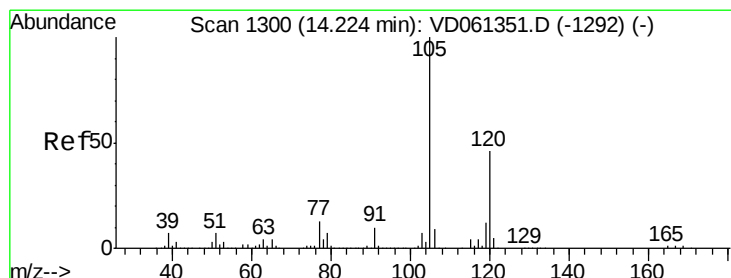
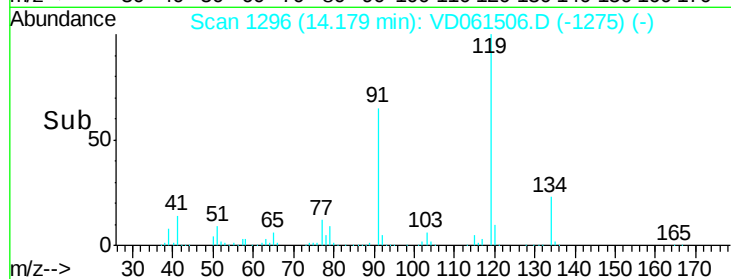
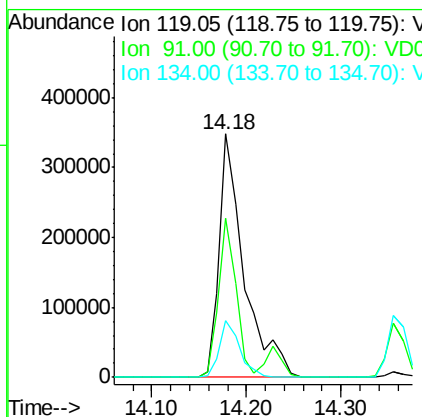
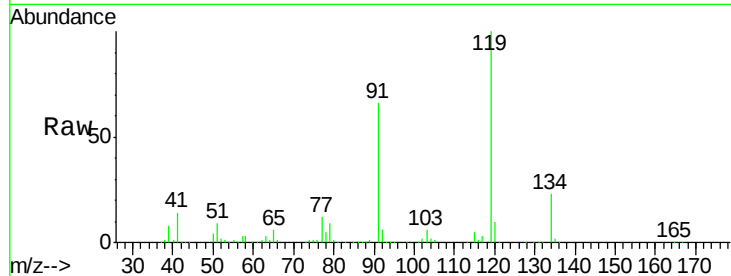




#83
 tert-Butylbenzene
 Concen: 22.258 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

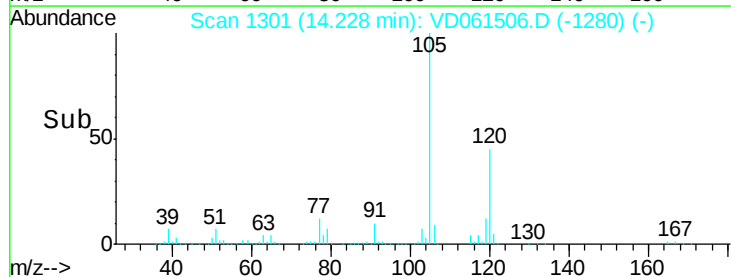
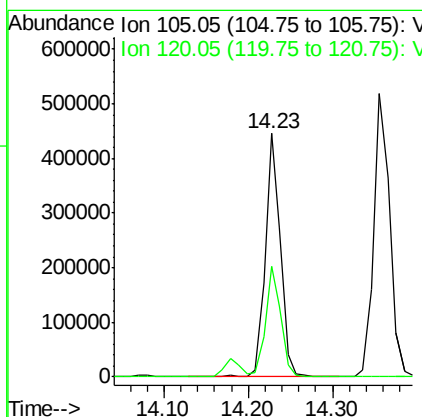
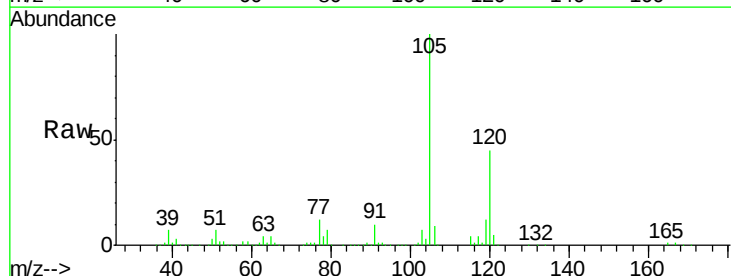
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 636130
 Ion Ratio Lower Upper
 119 100
 91 65.5 34.1 102.3
 134 23.3 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.997 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion:105 Resp: 569372
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.327 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

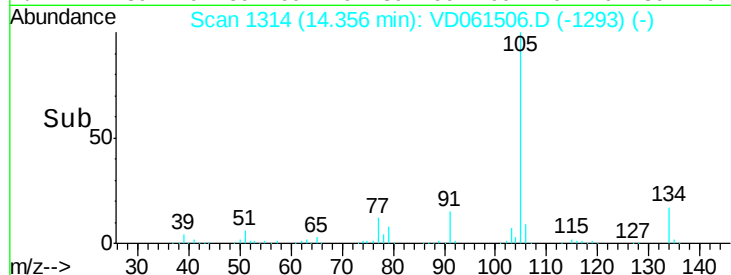
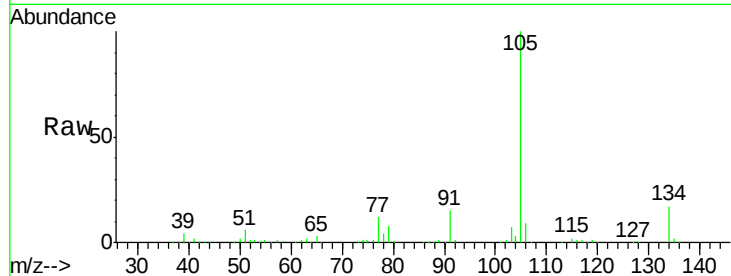
ClientSampled :

Tot Ion:105 Resp: 677869

Ion Ratio Lower Upper

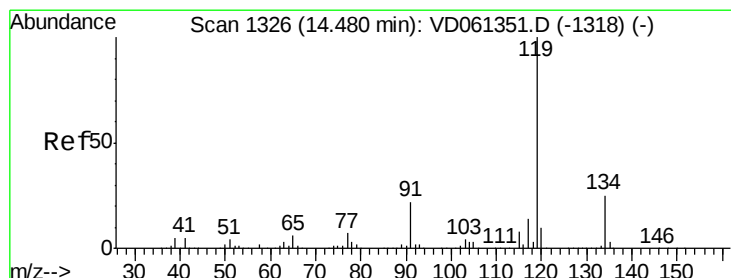
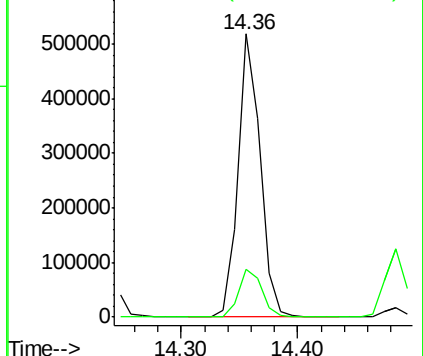
105 100

134 17.1 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 24.287 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

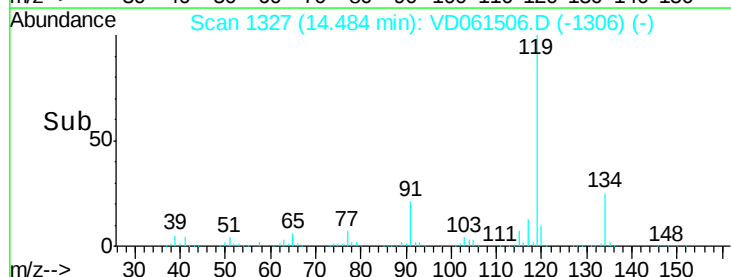
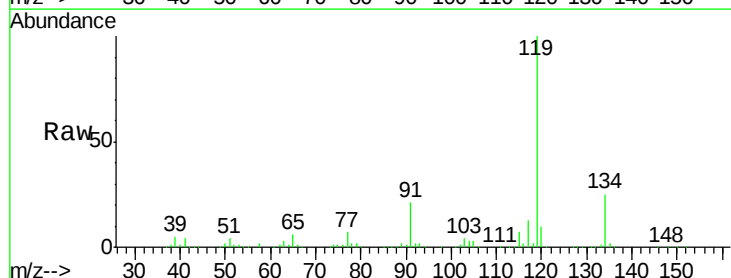
Tgt Ion:119 Resp: 623529

Ion Ratio Lower Upper

119 100

134 24.6 12.3 36.8

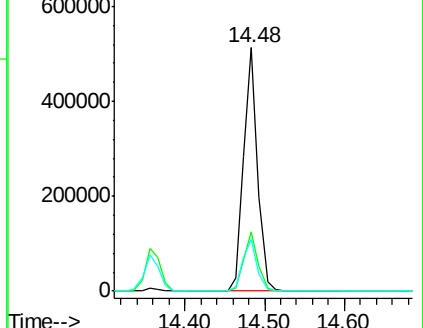
91 21.3 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

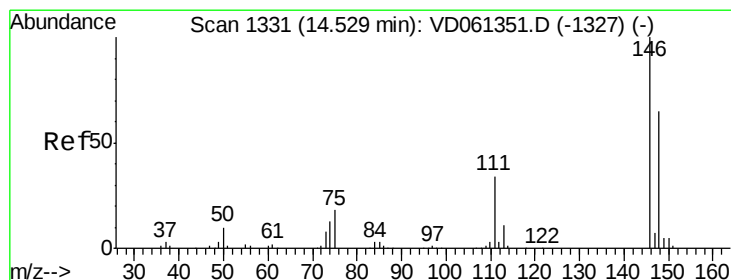
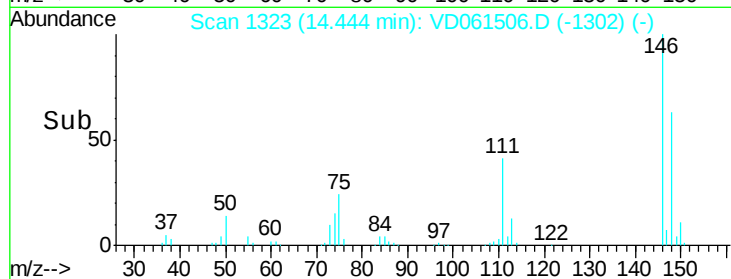
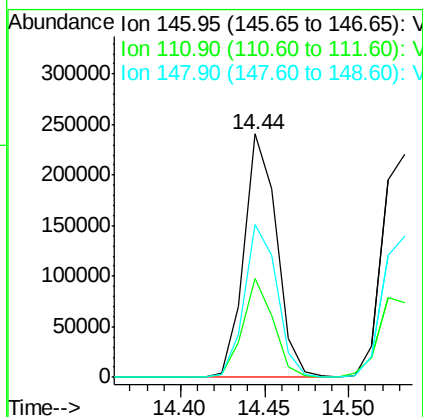
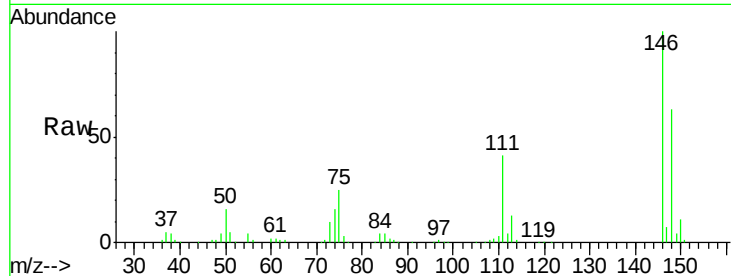




#87
 1,3-Dichlorobenzene
 Concen: 21.848 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

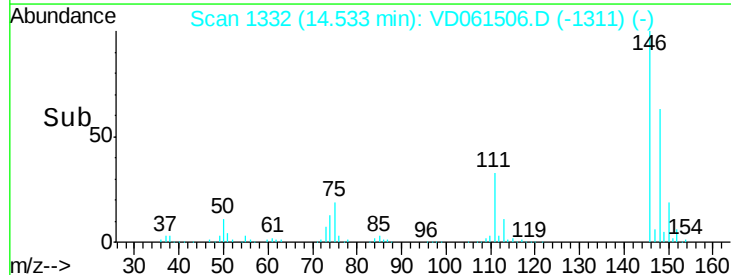
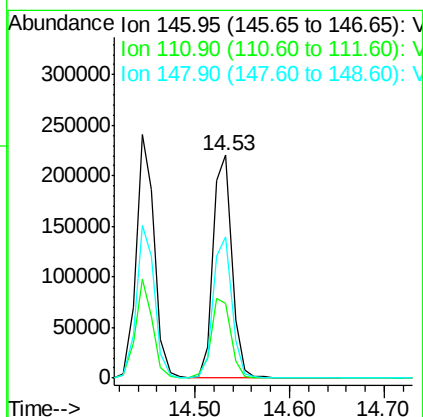
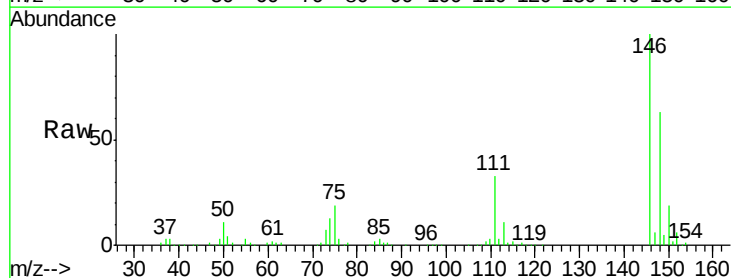
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 323289
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.6 61.9
 148 63.0 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 21.254 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion:146 Resp: 306687
 Ion Ratio Lower Upper
 146 100
 111 33.3 16.8 50.4
 148 63.4 32.6 98.0





#89

n-Butylbenzene

Concen: 24.300 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061506.D

Acq: 2 Apr 2019 10:25

Instrument :

MSVOA_D

ClientSampled :

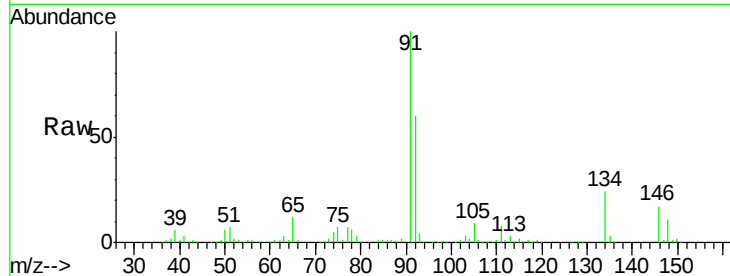
Tot Ion: 91 Resp: 572606

Ion Ratio Lower Upper

91 100

92 60.1 30.3 91.0

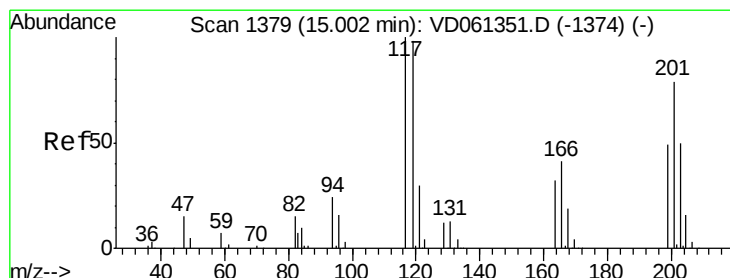
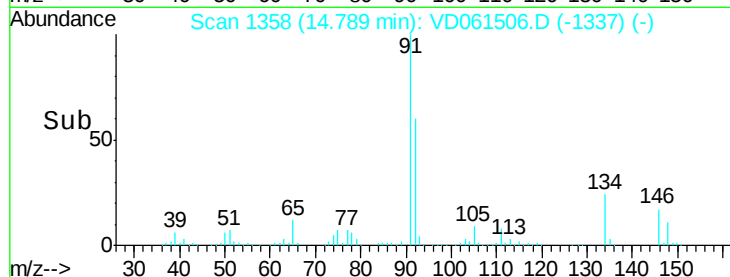
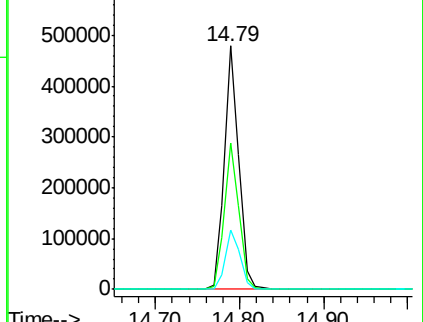
134 24.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.272 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061506.D

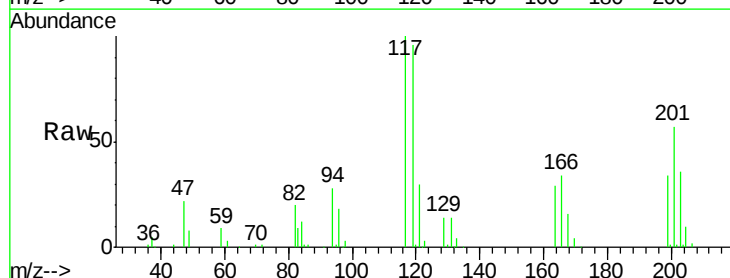
Acq: 2 Apr 2019 10:25

Tgt Ion: 117 Resp: 147038

Ion Ratio Lower Upper

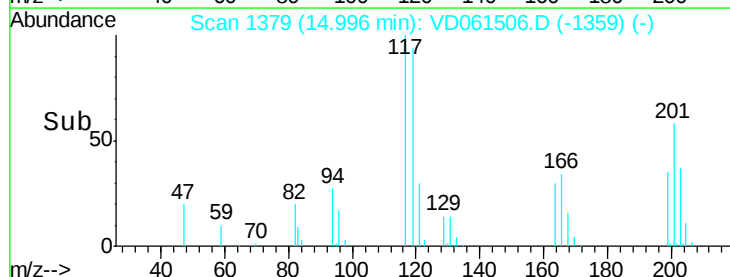
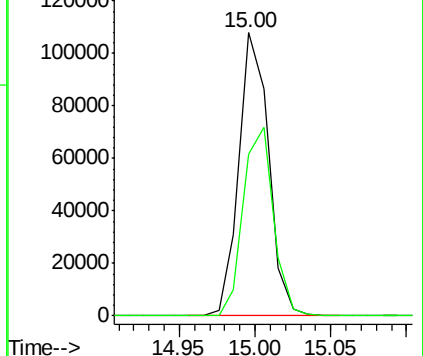
117 100

201 57.0 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

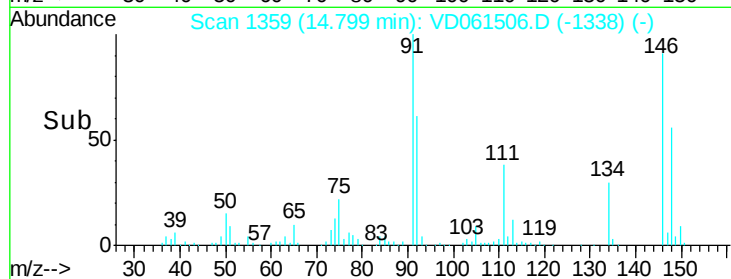
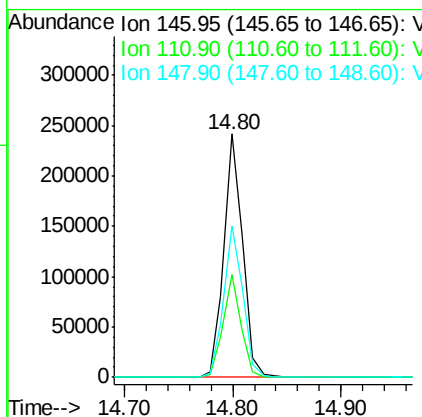
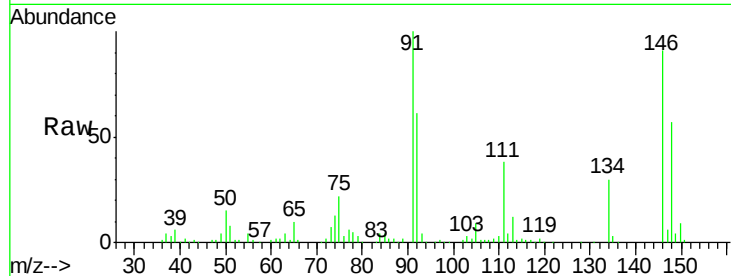




#91
 1,2-Dichlorobenzene
 Concen: 24.122 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

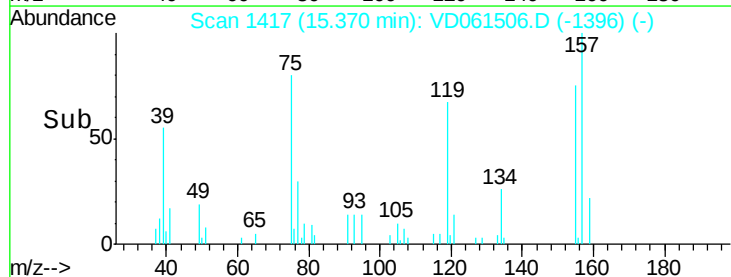
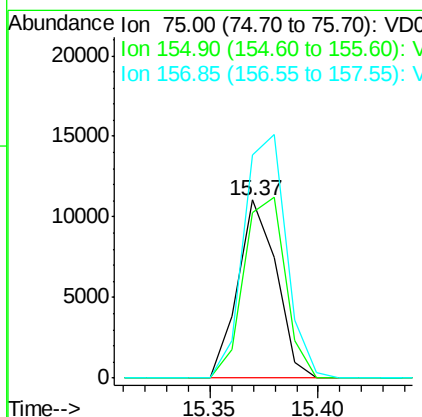
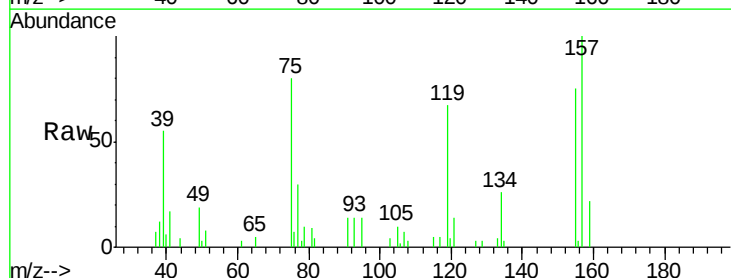
Instrument :
 MSVOA_D
 ClientSampled :

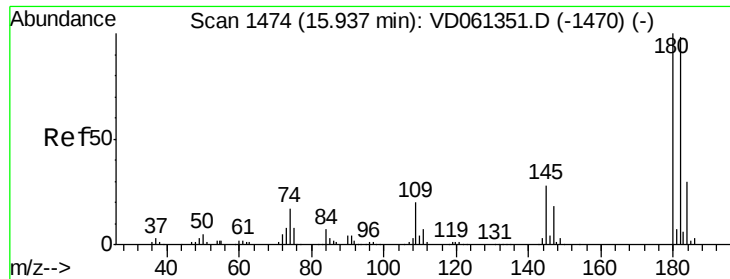
Tot Ion:146 Resp: 292775
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.2 63.6
 148 62.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.891 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion: 75 Resp: 13776
 Ion Ratio Lower Upper
 75 100
 155 93.2 43.6 130.9
 157 125.0 58.5 175.3

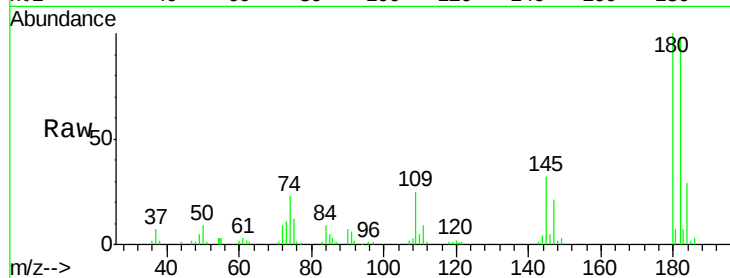




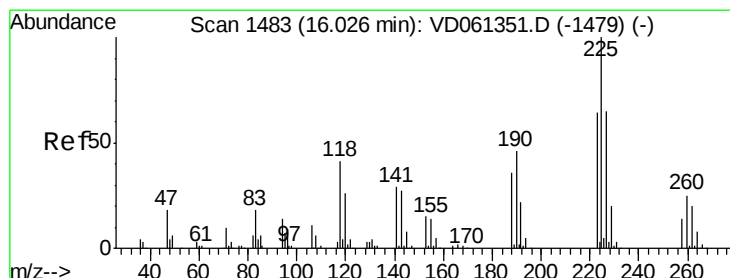
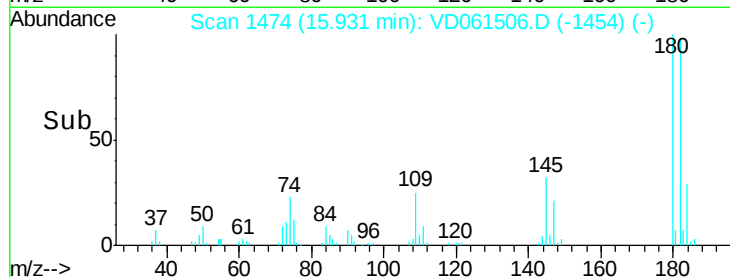
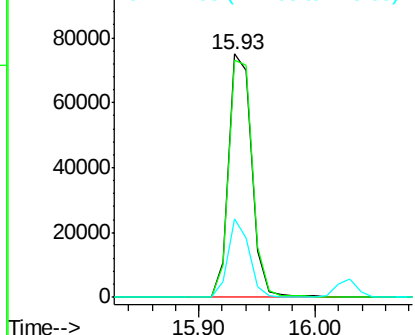
#93
 1,2,4-Trichlorobenzene
 Concen: 18.677 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 103265
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.9 146.8
 145 32.3 14.1 42.3

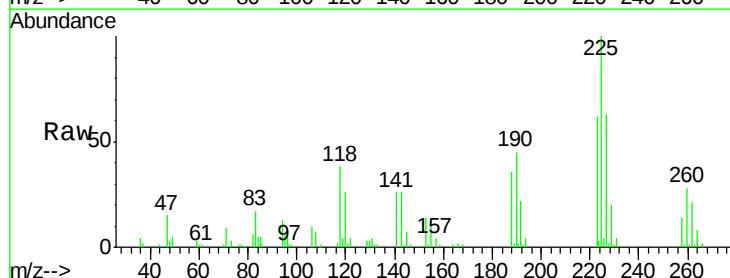


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

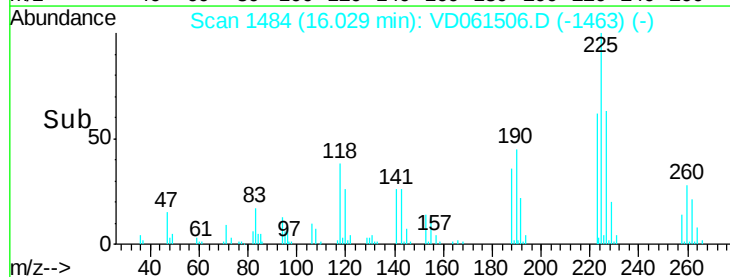
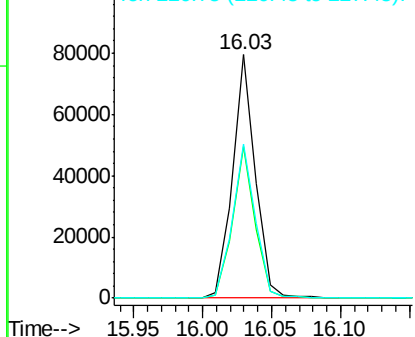


#94
 Hexachlorobutadiene
 Concen: 21.174 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061506.D
 Acq: 2 Apr 2019 10:25

Tgt Ion:225 Resp: 91479
 Ion Ratio Lower Upper
 225 100
 223 62.2 32.0 96.0
 227 63.3 32.4 97.2



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

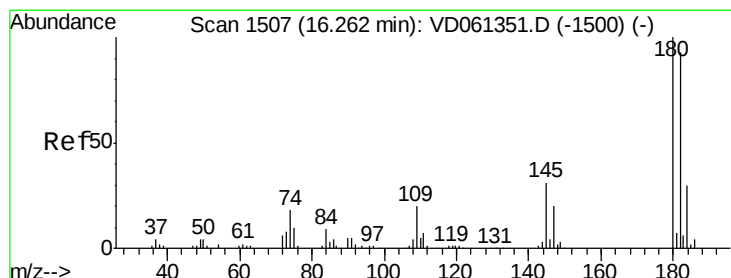
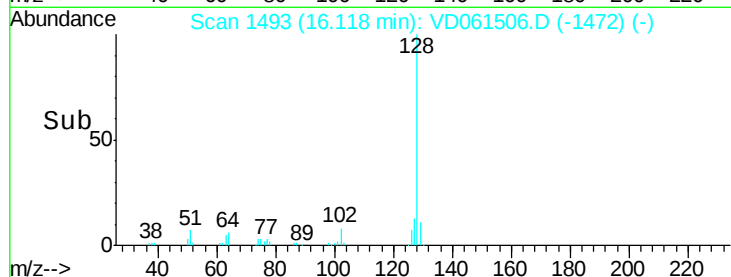
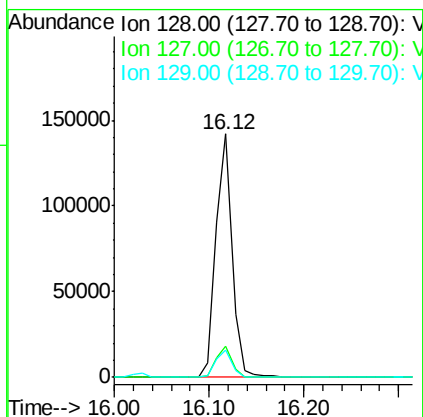
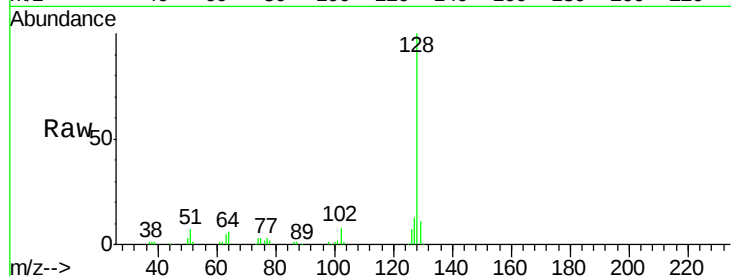




#95
Naphthalene
Concen: 20.116 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 169526
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.150 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061506.D
Acq: 2 Apr 2019 10:25

Tgt Ion:180 Resp: 49024
Ion Ratio Lower Upper
180 100
182 98.6 46.4 139.1
145 29.6 15.3 45.9

