

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060500.D
 Acq On : 6 Dec 2018 12:18
 Operator : VA/AP
 Sample : VD1206SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 07 03:31:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1665728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2279166	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1826318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	915063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	571196	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	6.32	113	834066	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	9.45	98	2461362	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.43	95	854850	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	473654	26.840	ug/l	95
3) Chloromethane	1.78	50	408689	23.880	ug/l	99
4) Vinyl Chloride	1.87	62	334979	24.524	ug/l	98
5) Bromomethane	2.17	94	64259	18.805	ug/l	98
6) Chloroethane	2.28	64	84933	17.902	ug/l	99
7) Trichlorofluoromethane	2.53	101	331794	21.038	ug/l	98
8) Diethyl Ether	2.84	74	58891	21.618	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.11	101	227636	22.245	ug/l	96
10) Methyl Iodide	3.26	142	249205	20.834	ug/l	97
11) Tert butyl alcohol	3.98	59	43267	90.202	ug/l #	92
12) 1,1-Dichloroethene	3.09	96	186408	22.389	ug/l	99
13) Acrolein	3.00	56	52976	101.075	ug/l	98
14) Allyl chloride	3.55	41	343157	21.723	ug/l	99
15) Acrylonitrile	4.10	53	278206	102.147	ug/l	93
16) Acetone	3.18	43	185249	97.886	ug/l	99
17) Carbon Disulfide	3.33	76	607278	22.455	ug/l	98
18) Methyl Acetate	3.57	43	88670	19.714	ug/l	98
19) Methyl tert-butyl Ether	4.13	73	477839	20.696	ug/l	99
20) Methylene Chloride	3.74	84	416859	21.434	ug/l	95
21) trans-1,2-Dichloroethene	4.11	96	389354	21.498	ug/l	97
22) Diisopropyl ether	4.86	45	1185980	20.911	ug/l	95
23) Vinyl Acetate	4.81	43	2886439	102.719	ug/l	99
24) 1,1-Dichloroethane	4.76	63	621902	21.107	ug/l	99
25) 2-Butanone	5.63	43	366868	98.532	ug/l	96
26) 2,2-Dichloropropane	5.59	77	513071	22.541	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	400624	21.756	ug/l	95
28) Bromochloromethane	5.93	49	251433	19.263	ug/l	97
29) Tetrahydrofuran	5.96	42	212755	100.906	ug/l	98
30) Chloroform	6.11	83	621310	20.931	ug/l	99
31) Cyclohexane	6.36	56	609640	22.055	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	532816	21.834	ug/l	99
36) 1,1-Dichloropropene	6.52	75	487175	21.868	ug/l	98
37) Ethyl Acetate	5.70	43	207724	21.499	ug/l	99
38) Carbon Tetrachloride	6.50	117	446365	22.318	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060500.D
 Acq On : 6 Dec 2018 12:18
 Operator : VA/AP
 Sample : VD1206SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 07 03:31:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	566650	22.312	ug/l	96
40) Benzene	6.80	78	1246351	21.890	ug/l	99
41) Methacrylonitrile	5.94	41	225978	43.388	ug/l #	78
42) 1,2-Dichloroethane	6.90	62	305401	21.096	ug/l	99
43) Isopropyl Acetate	8.34	43	248118	20.803	ug/l #	98
44) Trichloroethene	7.74	130	376230	22.111	ug/l	98
45) 1,2-Dichloropropane	8.10	63	305184	21.672	ug/l	97
46) Dibromomethane	8.21	93	171796	21.115	ug/l	95
47) Bromodichloromethane	8.49	83	420392	21.777	ug/l	99
48) Methyl methacrylate	8.24	41	154600	21.907	ug/l	99
49) 1,4-Dioxane	8.23	88	26496	414.260	ug/l #	82
51) 4-Methyl-2-Pentanone	9.34	43	792938	106.879	ug/l	97
52) Toluene	9.54	92	782684	21.994	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	338152	21.318	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	450409	21.612	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	211790	21.371	ug/l	97
56) Ethyl methacrylate	10.02	69	189455	21.123	ug/l	96
57) 1,3-Dichloropropane	10.38	76	320909	20.947	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	556403	103.680	ug/l	97
59) 2-Hexanone	10.49	43	532662	102.718	ug/l	96
60) Dibromochloromethane	10.63	129	263685	21.281	ug/l	100
61) 1,2-Dibromoethane	10.75	107	211322	20.924	ug/l	99
64) Tetrachloroethene	10.25	164	351830	21.756	ug/l	100
65) Chlorobenzene	11.31	112	826233	21.385	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	278534	22.366	ug/l	98
67) Ethyl Benzene	11.42	91	1500036	22.761	ug/l	98
68) m/p-Xylenes	11.56	106	1084010	44.461	ug/l	97
69) o-Xylene	11.93	106	518330	22.308	ug/l	97
70) Styrene	11.95	104	829971	22.254	ug/l	100
71) Bromoform	12.11	173	168174	20.241	ug/l	98
73) Isopropylbenzene	12.27	105	1439406	22.229	ug/l	97
74) N-amyl acetate	12.13	43	324977	20.766	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	215630	20.801	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	213902	20.631	ug/l	99
77) Bromobenzene	12.53	156	358060	21.037	ug/l	91
78) n-propylbenzene	12.63	91	1786819	21.829	ug/l	98
79) 2-Chlorotoluene	12.70	91	991081	22.313	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1102375	22.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	59263	20.494	ug/l	95
82) 4-Chlorotoluene	12.81	91	1091343	21.876	ug/l	97
83) tert-Butylbenzene	13.05	119	1268602	22.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1156159	22.567	ug/l	97
85) sec-Butylbenzene	13.22	105	1533532	22.178	ug/l	95
86) p-Isopropyltoluene	13.34	119	1258000	22.951	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	670542	21.758	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	659515	21.815	ug/l	99
89) n-Butylbenzene	13.65	91	1232854	20.212	ug/l	97
90) Hexachloroethane	13.85	117	296971	21.609	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	525917	20.882	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	24528	19.527	ug/l	59

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060500.D
Acq On : 6 Dec 2018 12:18
Operator : VA/AP
Sample : VD1206SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 07 03:31:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

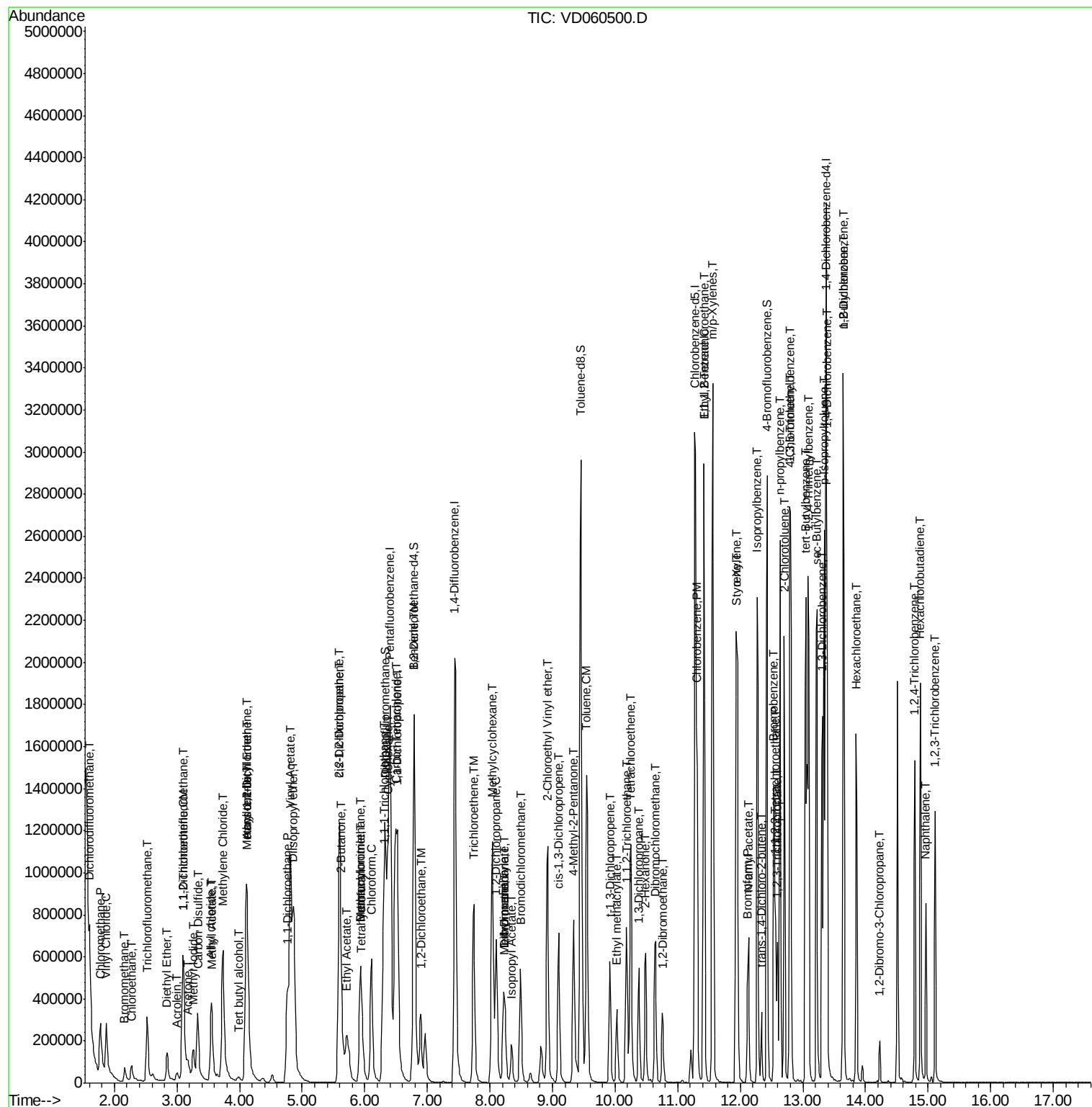
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	422065	21.438	ug/l	97
94) Hexachlorobutadiene	14.88	225	322732	22.218	ug/l	99
95) Naphthalene	14.96	128	473007	20.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	329355	20.995	ug/l	99

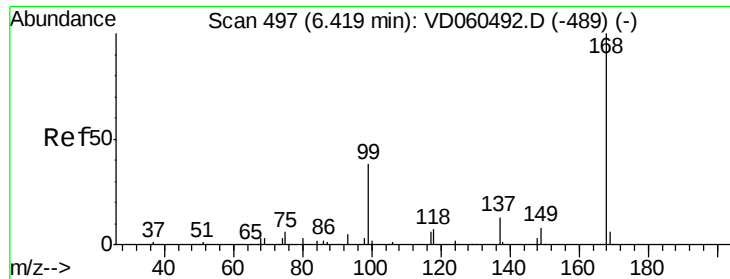
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060500.D
 Acq On : 6 Dec 2018 12:18
 Operator : VA/AP
 Sample : VD1206SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 07 03:31:31 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

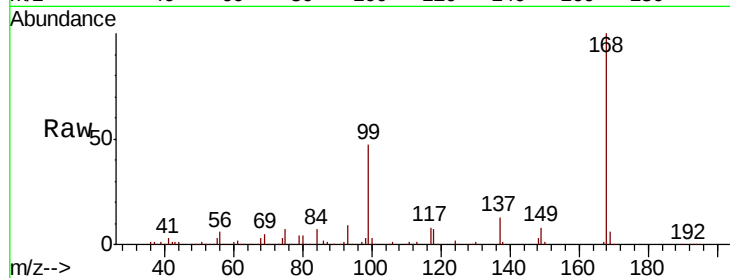
ClientSampled :

Tot Ion:168 Resp: 1665728

Ion Ratio Lower Upper

168 100

99 46.5 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

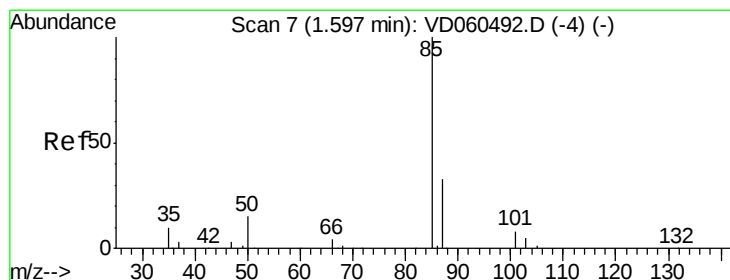
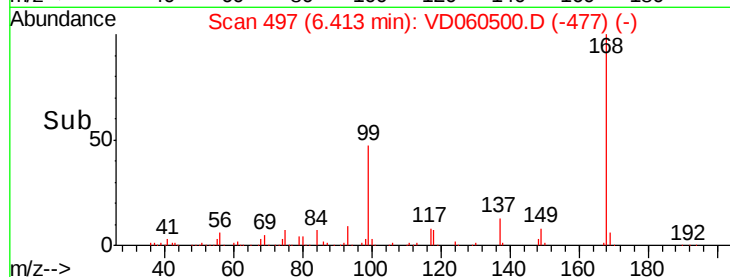
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 26.840 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060500.D

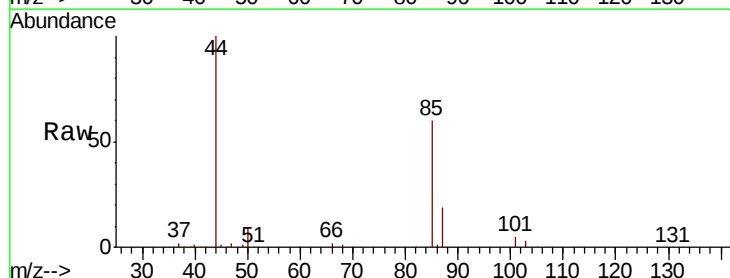
Acq: 6 Dec 2018 12:18

Tgt Ion: 85 Resp: 473654

Ion Ratio Lower Upper

85 100

87 30.7 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

150000

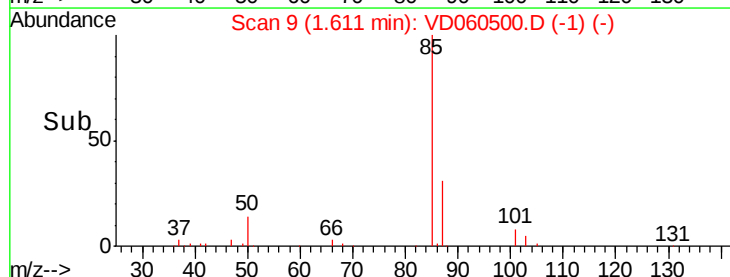
100000

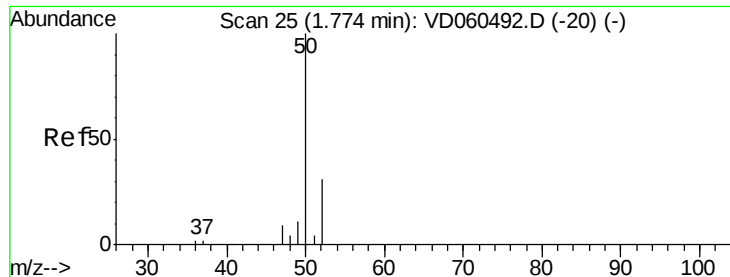
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 23.880 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

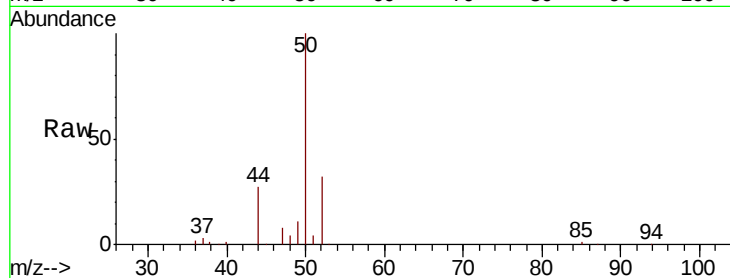
ClientSampleId :

Tot Ion: 50 Resp: 408689

Ion Ratio Lower Upper

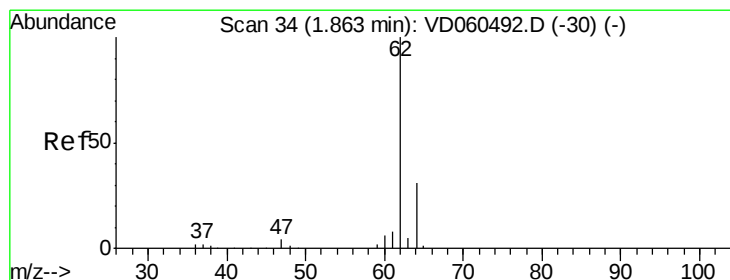
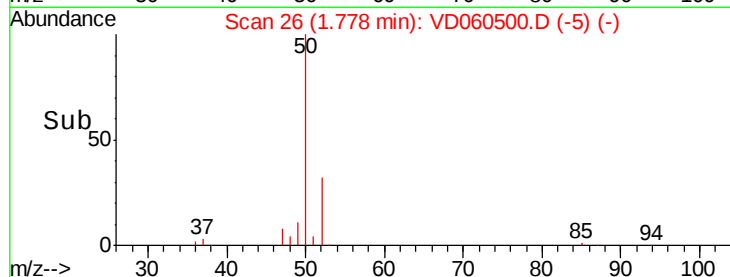
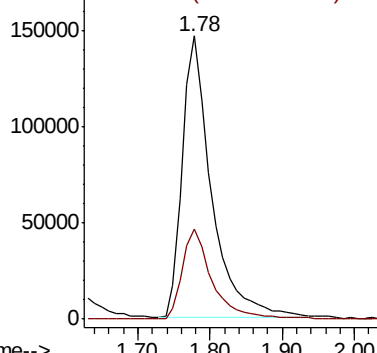
50 100

52 31.8 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 24.524 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060500.D

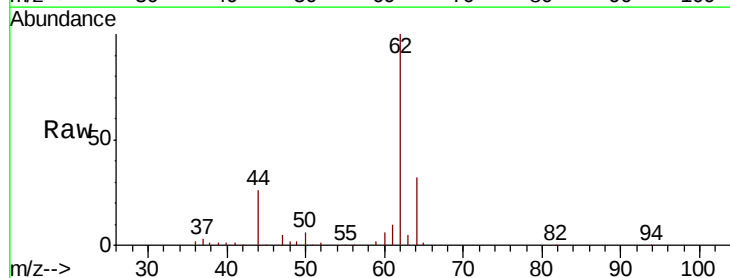
Acq: 6 Dec 2018 12:18

Tgt Ion: 62 Resp: 334979

Ion Ratio Lower Upper

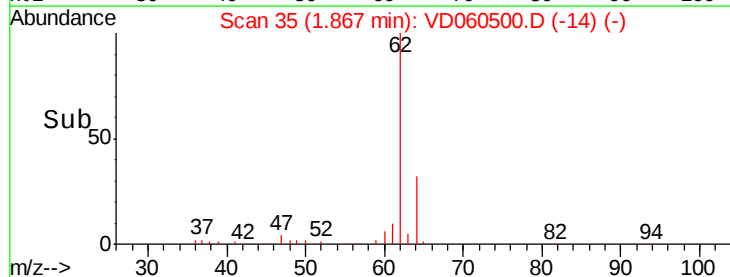
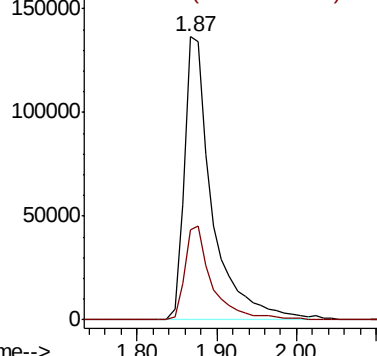
62 100

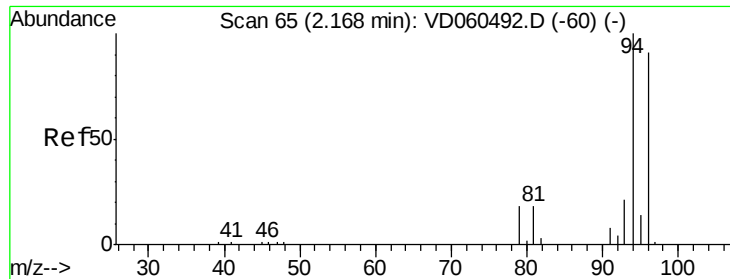
64 32.0 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.805 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

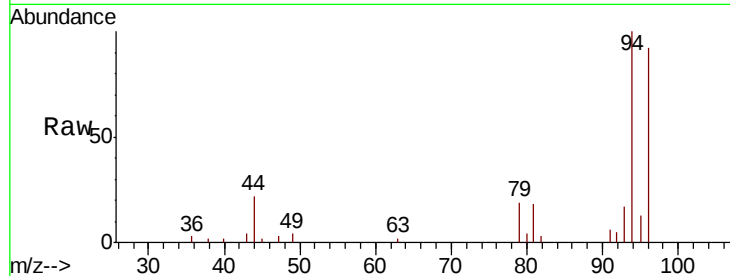
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 64259

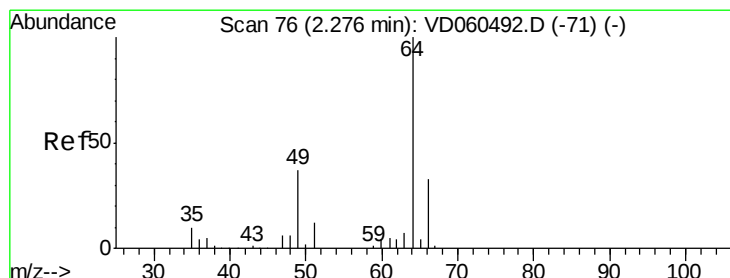
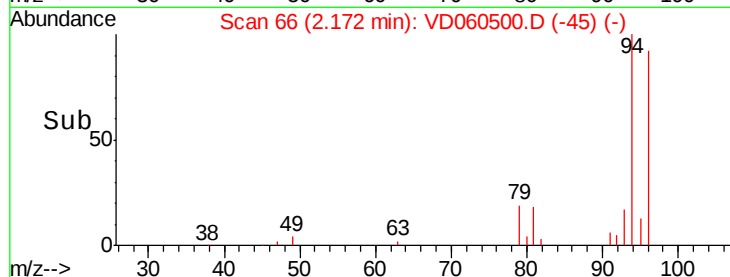
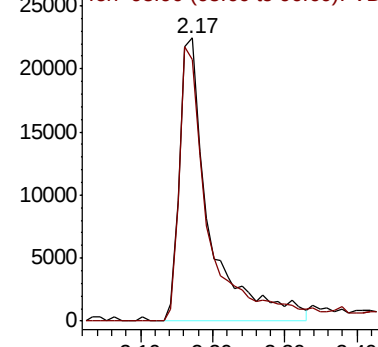
Ion Ratio Lower Upper

94 100

96 92.4 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.902 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD060500.D

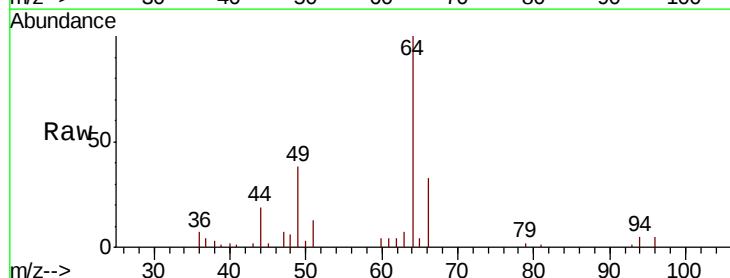
Acq: 6 Dec 2018 12:18

Tgt Ion: 64 Resp: 84933

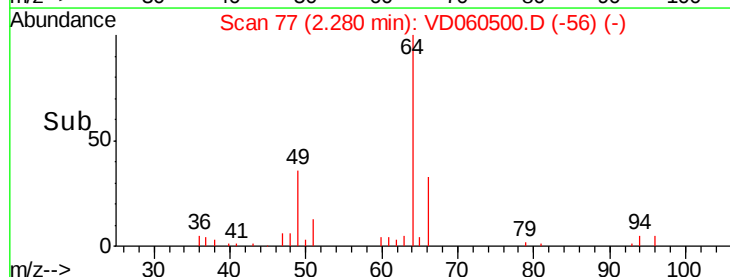
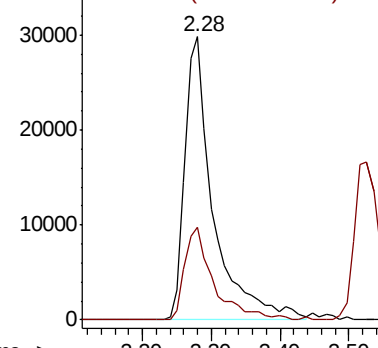
Ion Ratio Lower Upper

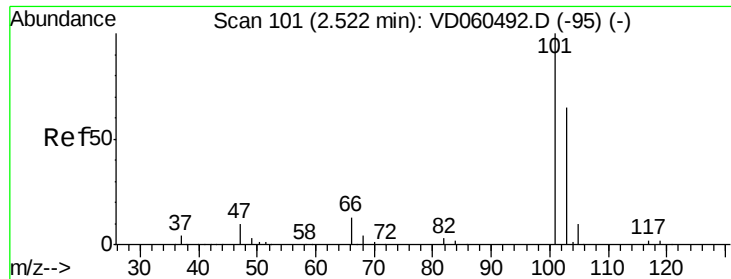
64 100

66 32.6 26.4 39.6



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



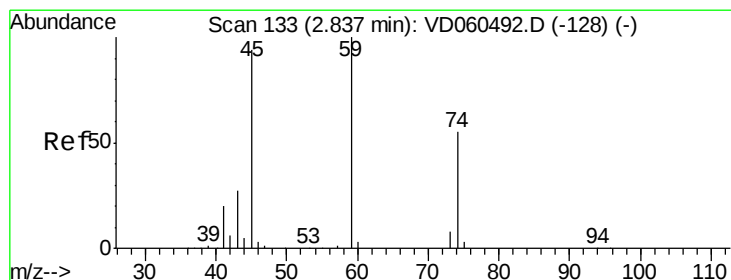
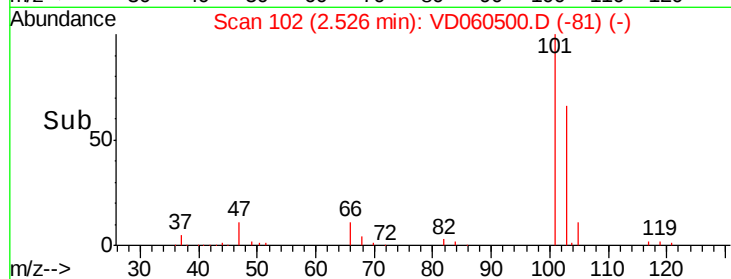
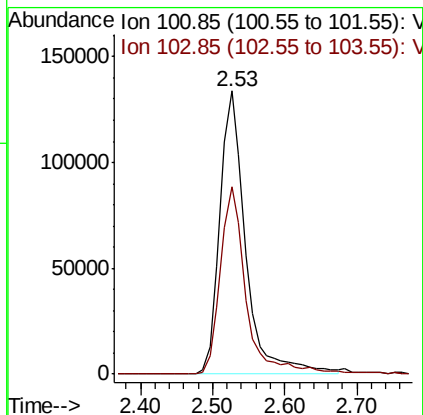
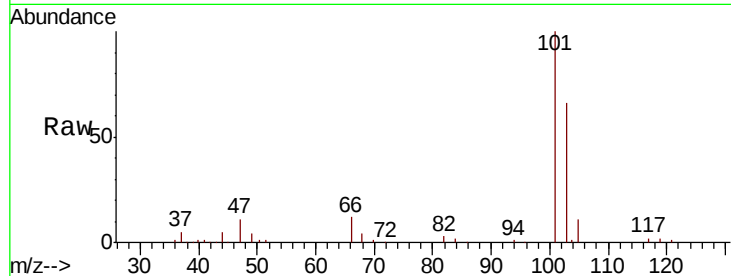


#7

Trichlorofluoromethane
 Concen: 21.038 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :

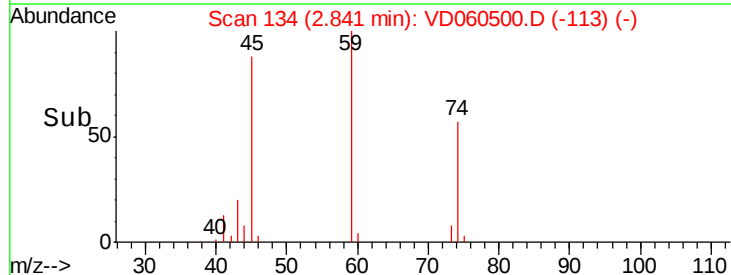
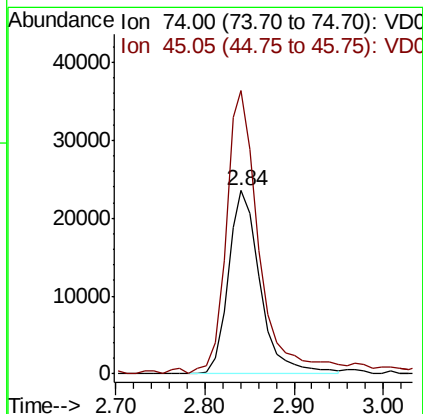
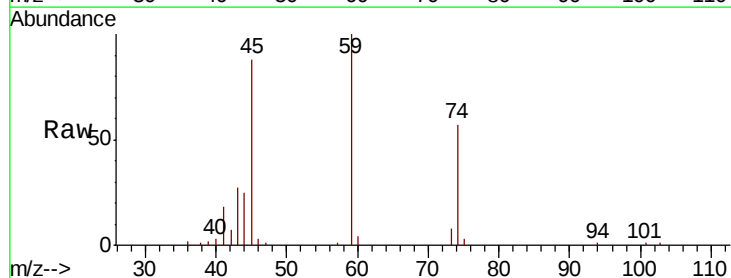
Tot Ion:101 Resp: 331794
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.8 77.8

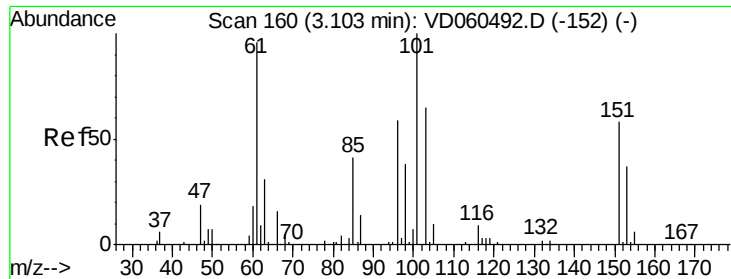


#8

Diethyl Ether
 Concen: 21.618 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion: 74 Resp: 58891
 Ion Ratio Lower Upper
 74 100
 45 154.6 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.245 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampled :

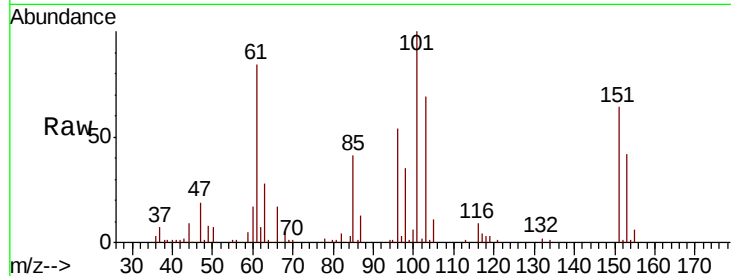
Tot Ion:101 Resp: 227636

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

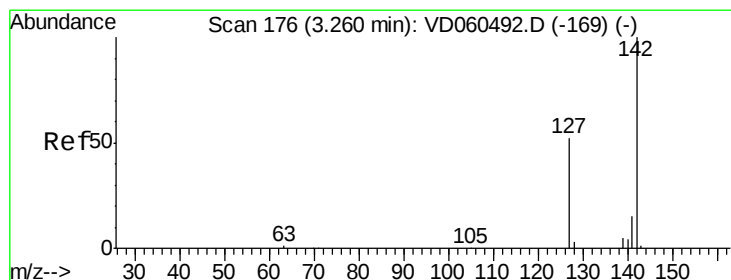
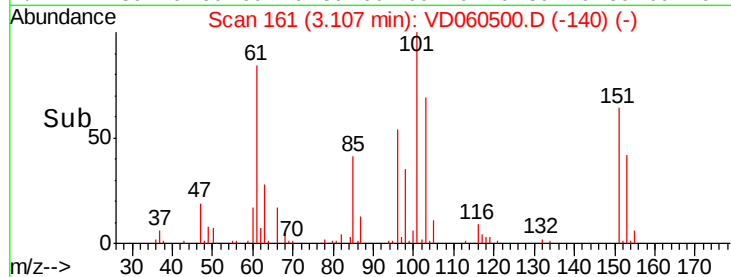
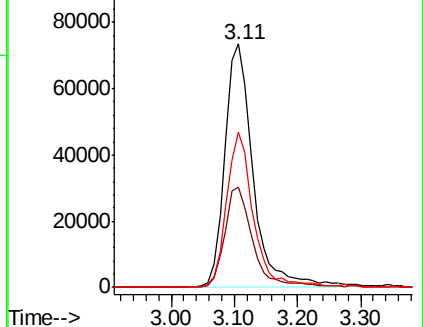
151 63.7 46.6 69.8



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: 20.834 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

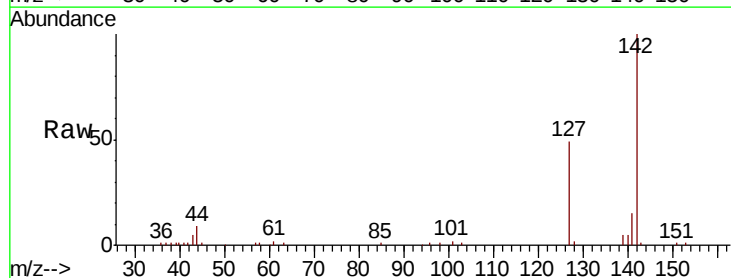
Tgt Ion:142 Resp: 249205

Ion Ratio Lower Upper

142 100

127 48.7 41.2 61.8

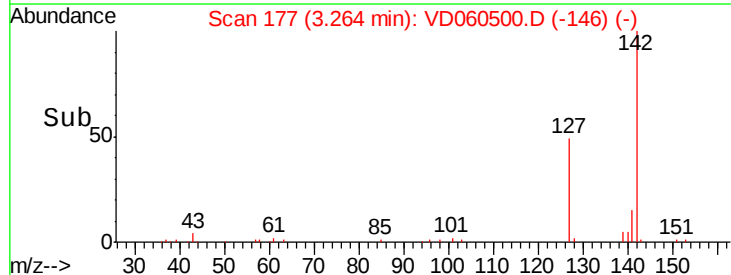
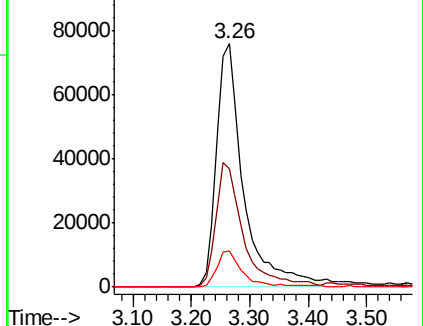
141 15.1 11.9 17.9

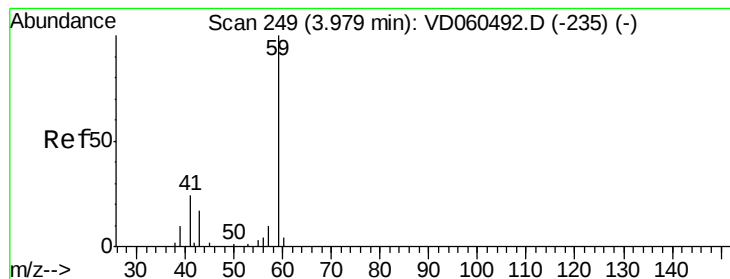


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 90.202 ug/l

RT: 3.98 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

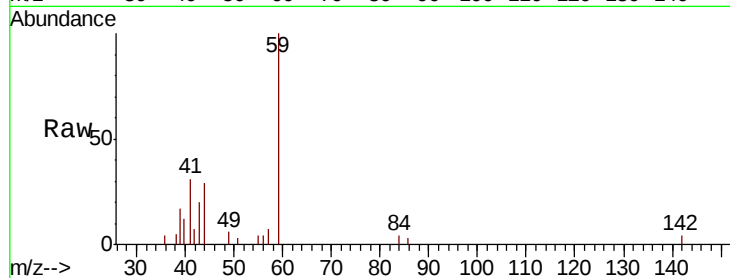
ClientSampled :

Tot Ion: 59 Resp: 43267

Ion Ratio Lower Upper

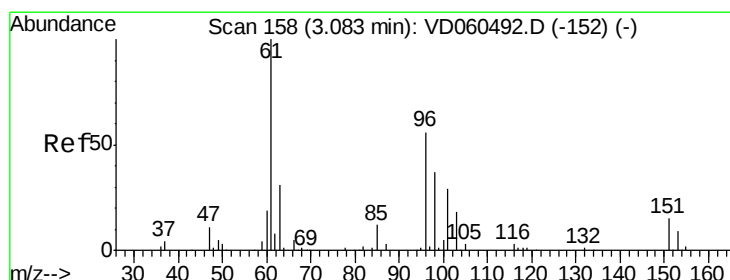
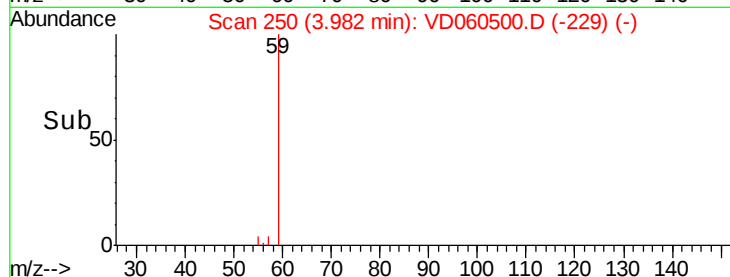
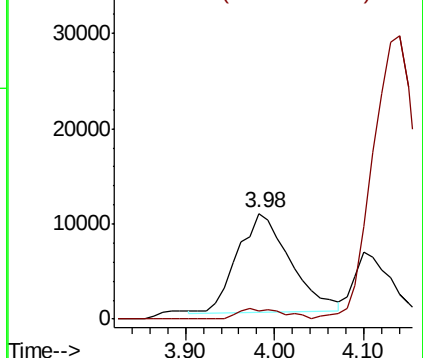
59 100

57 7.3 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 22.389 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

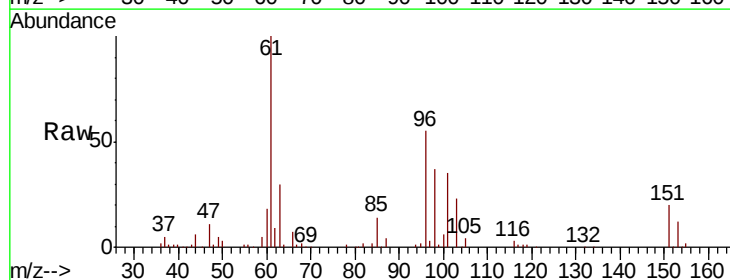
Tgt Ion: 96 Resp: 186408

Ion Ratio Lower Upper

96 100

61 180.5 143.0 214.4

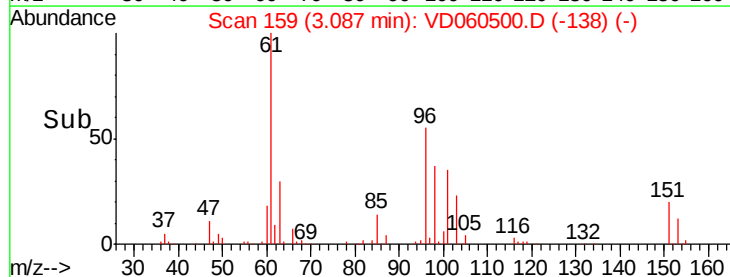
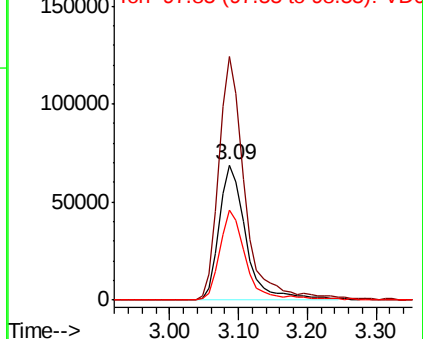
98 66.6 53.4 80.0

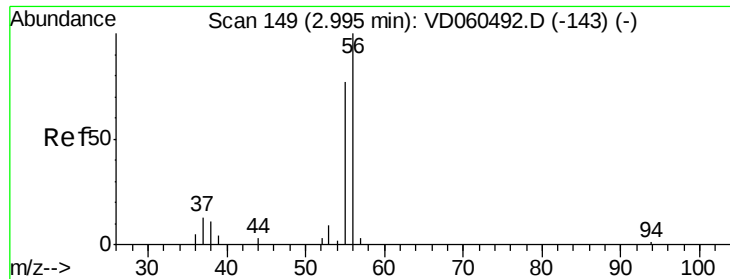


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 101.075 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

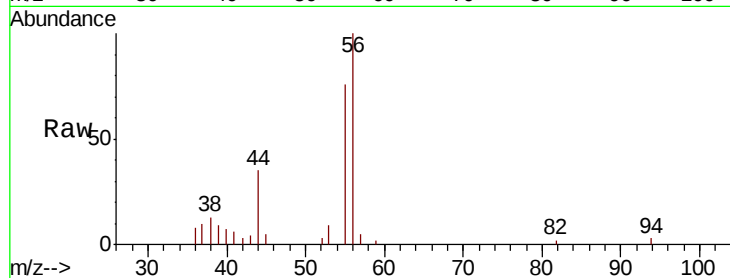
ClientSampleId :

Tot Ion: 56 Resp: 52976

Ion Ratio Lower Upper

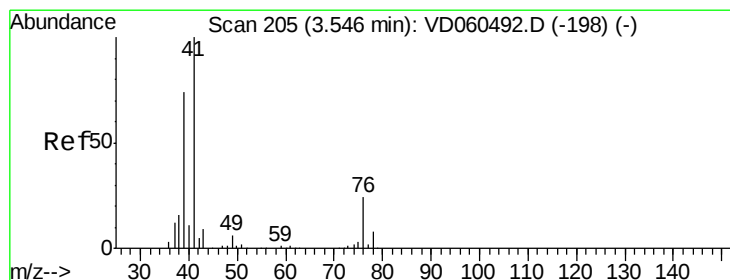
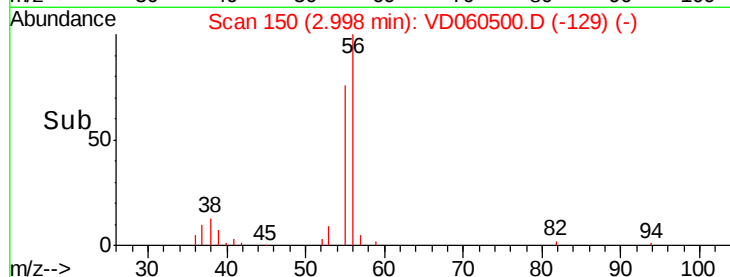
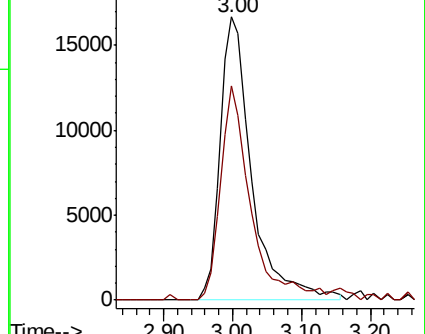
56 100

55 75.9 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.723 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

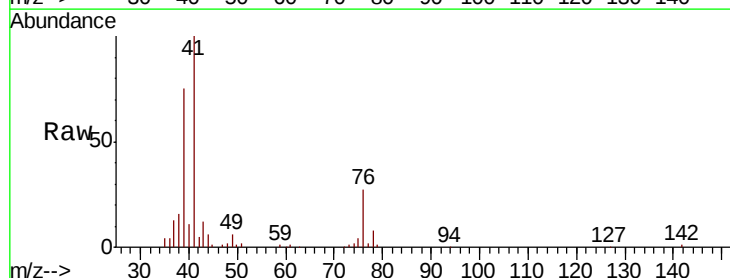
Tgt Ion: 41 Resp: 343157

Ion Ratio Lower Upper

41 100

39 75.1 59.3 88.9

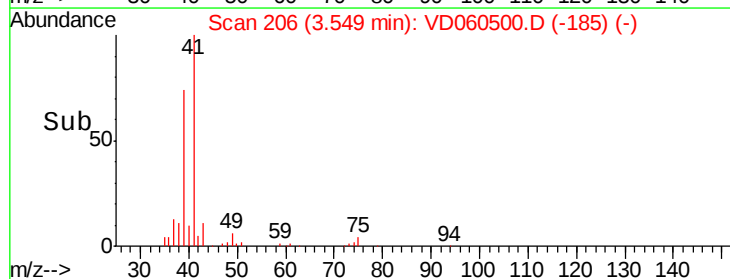
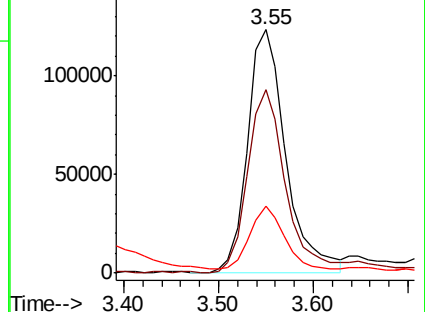
76 27.5 21.0 31.6

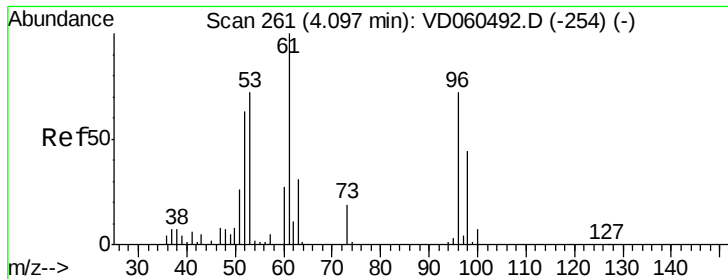


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.147 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

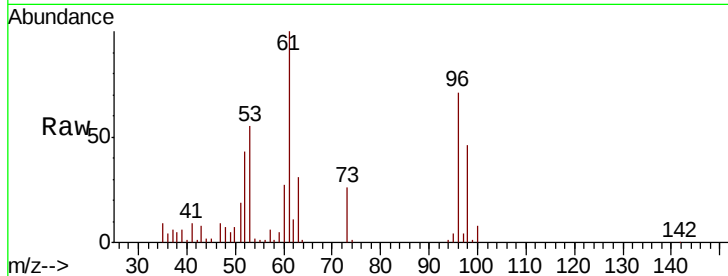
Tot Ion: 53 Resp: 278206

Ion Ratio Lower Upper

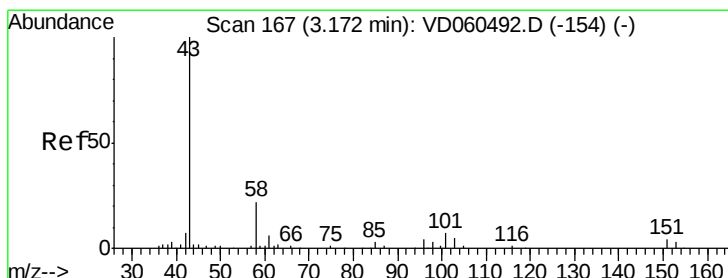
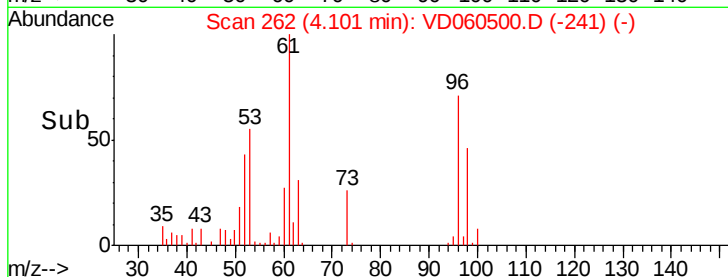
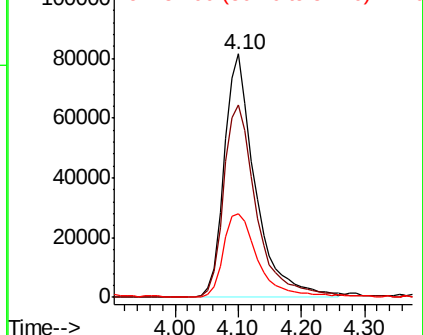
53 100

52 79.0 70.0 105.0

51 34.6 28.8 43.2



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: 97.886 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060500.D

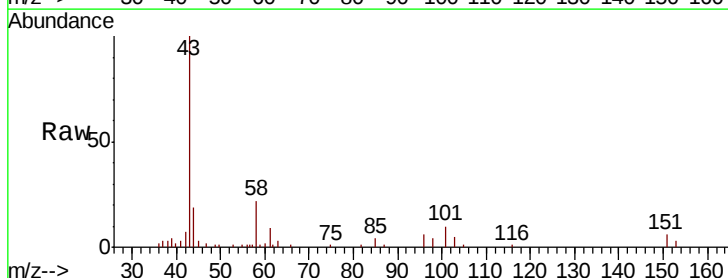
Acq: 6 Dec 2018 12:18

Tgt Ion: 43 Resp: 185249

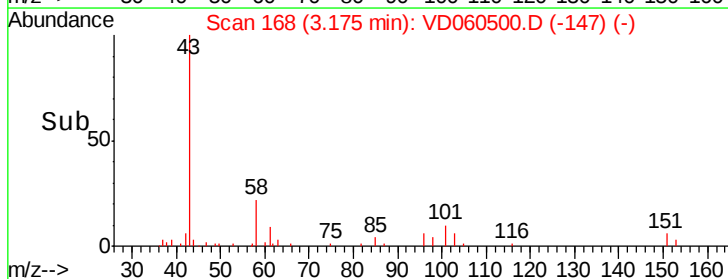
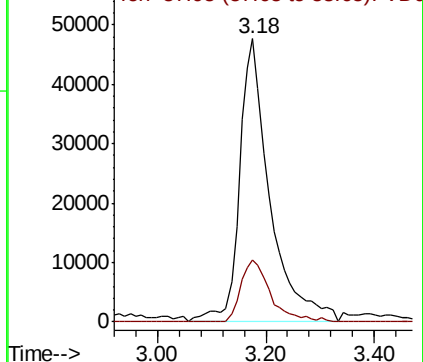
Ion Ratio Lower Upper

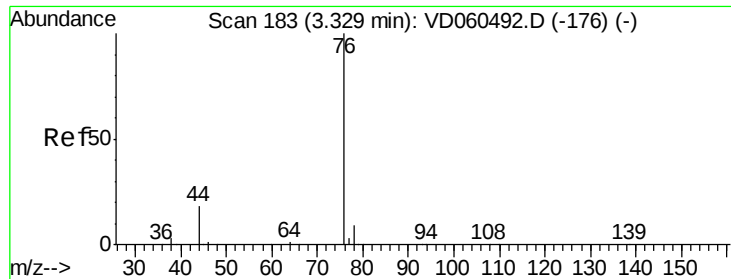
43 100

58 21.8 17.3 25.9



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

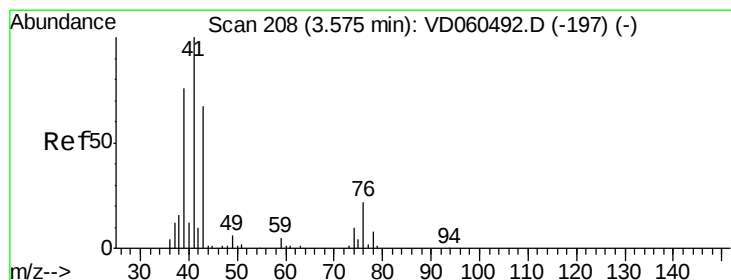
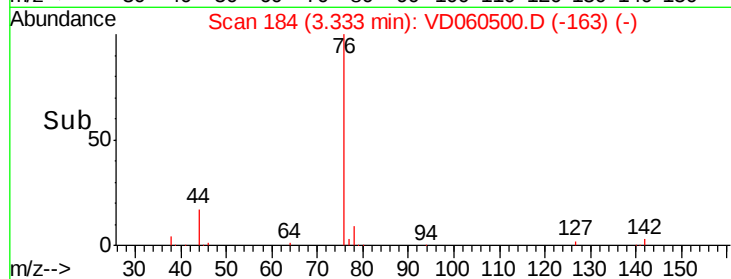
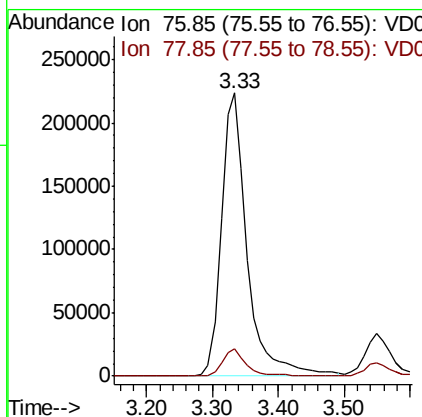
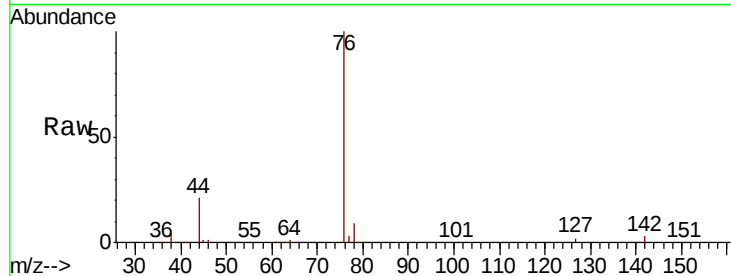




#17
Carbon Disulfide
Concen: 22.455 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

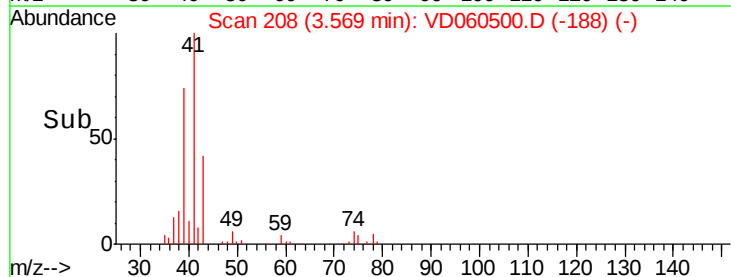
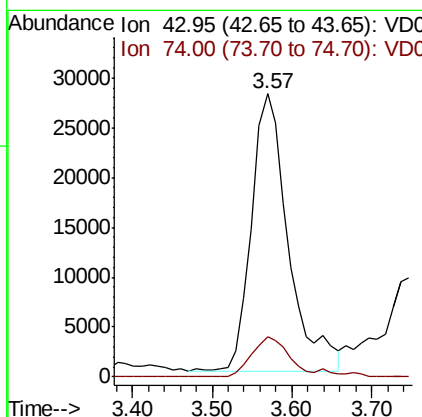
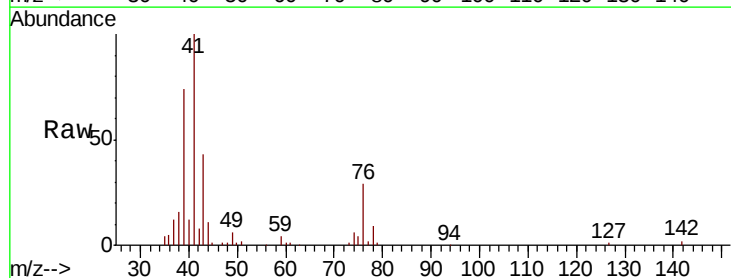
Instrument :
MSVOA_D
ClientSampleId :

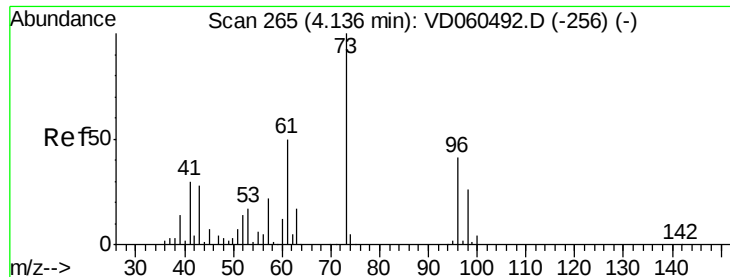
Tot Ion: 76 Resp: 607278
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 19.714 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 43 Resp: 88670
Ion Ratio Lower Upper
43 100
74 14.2 12.0 18.0

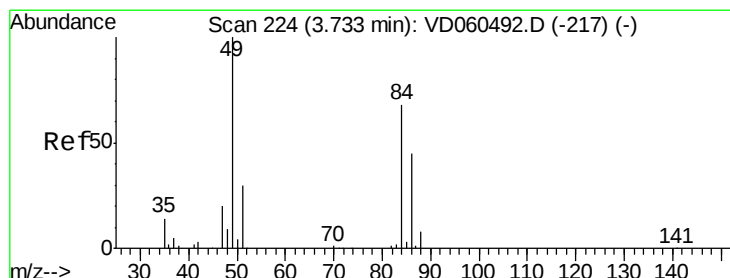
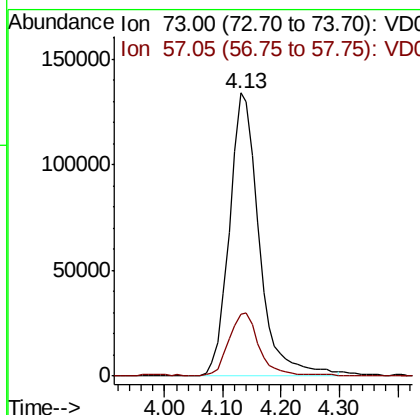
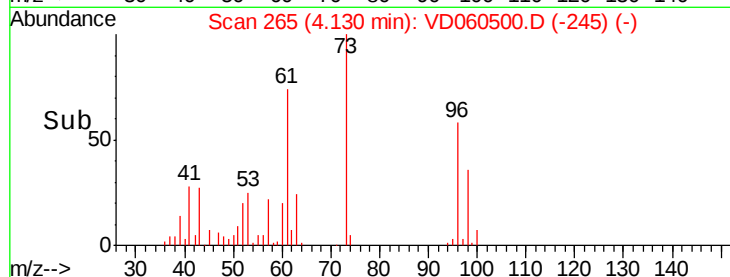
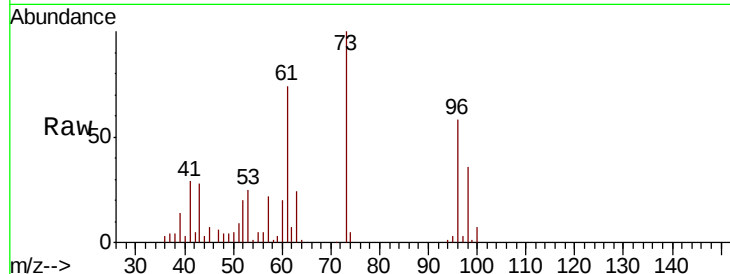




#19
Methyl tert-butyl Ether
Concen: 20.696 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

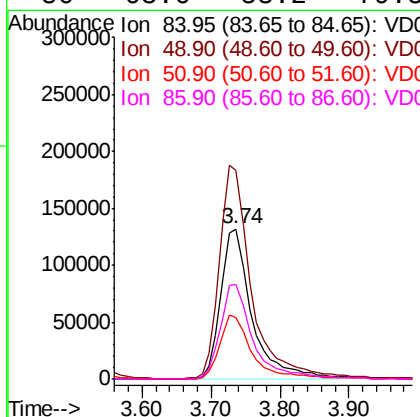
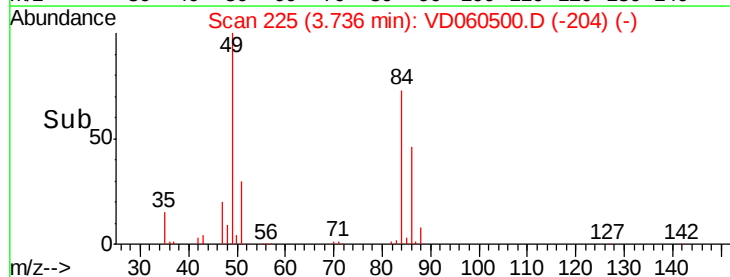
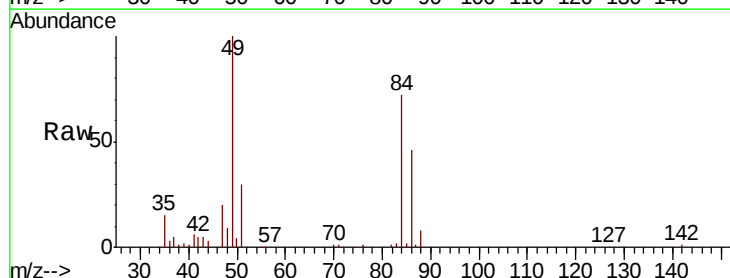
Instrument :
MSVOA_D
ClientSampled :

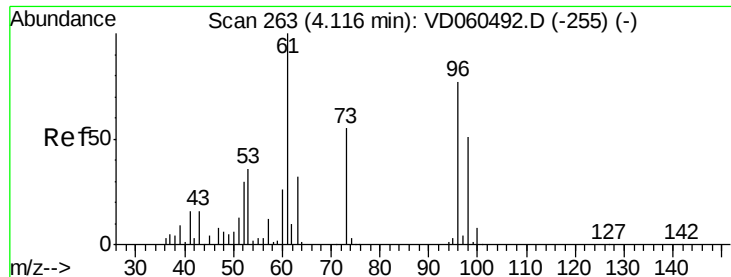
Tot Ion: 73 Resp: 477839
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.6



#20
Methylene Chloride
Concen: 21.434 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 84 Resp: 416859
Ion Ratio Lower Upper
84 100
49 139.8 117.2 175.8
51 41.4 35.3 52.9
86 63.6 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.498 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampled :

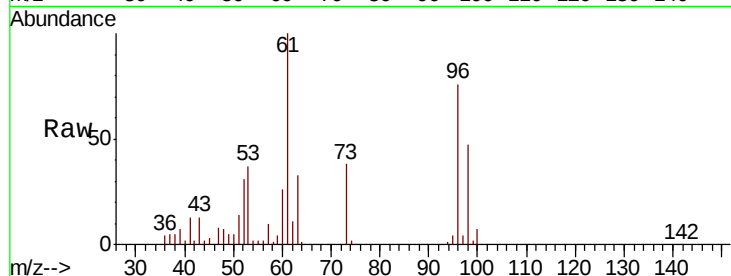
Tot Ion: 96 Resp: 389354

Ion Ratio Lower Upper

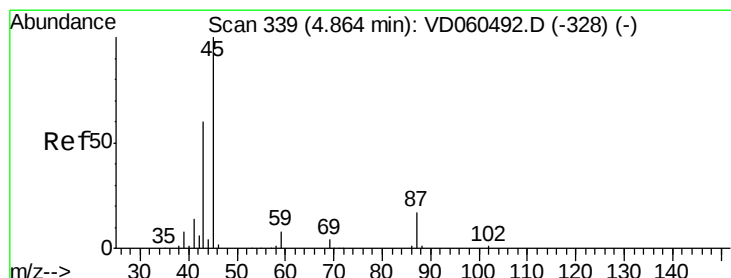
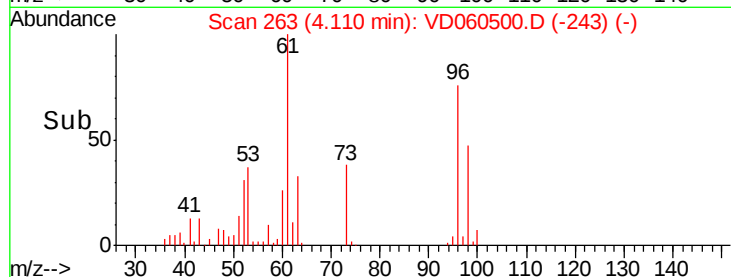
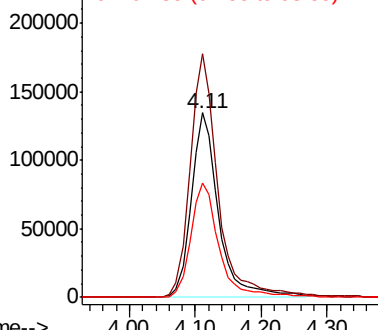
96 100

61 131.8 104.2 156.4

98 61.9 52.8 79.2



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



#22

Diisopropyl ether

Concen: 20.911 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Tgt Ion: 45 Resp: 1185980

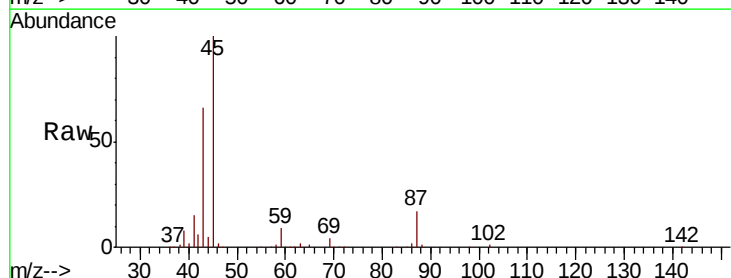
Ion Ratio Lower Upper

45 100

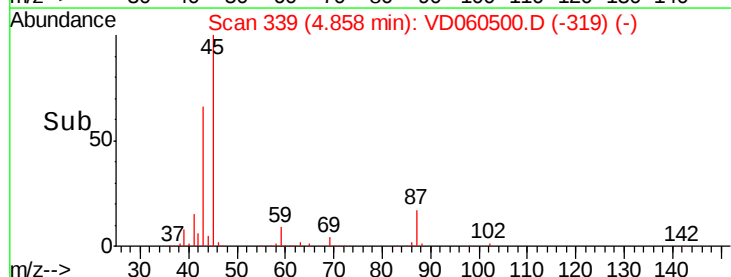
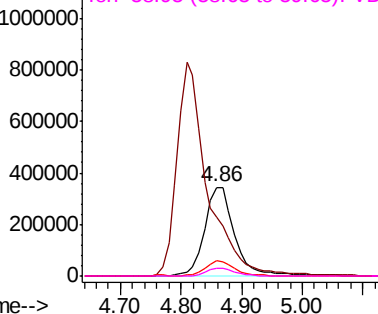
43 66.0 48.6 73.0

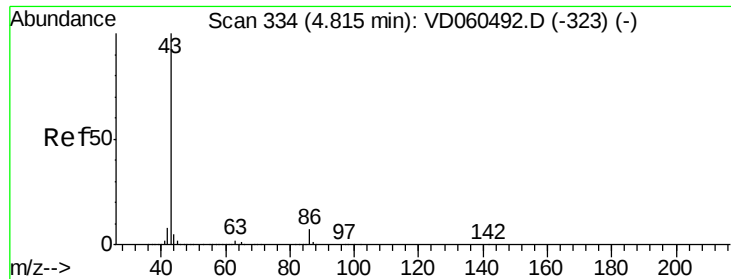
87 17.3 14.0 21.0

59 8.6 6.9 10.3



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: 102.719 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

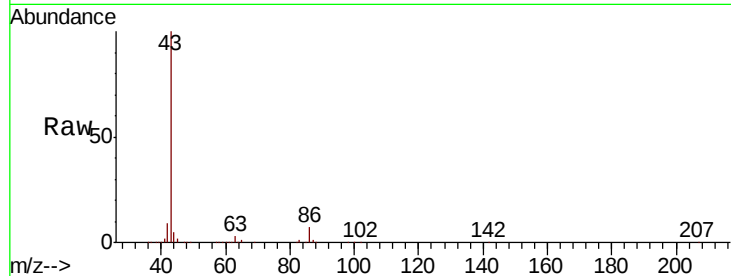
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2886439

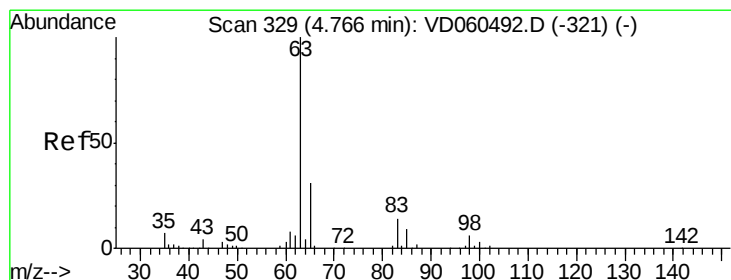
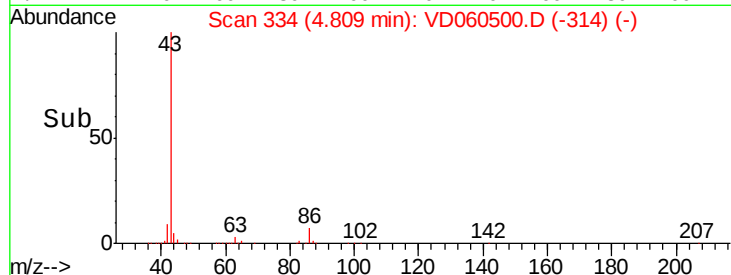
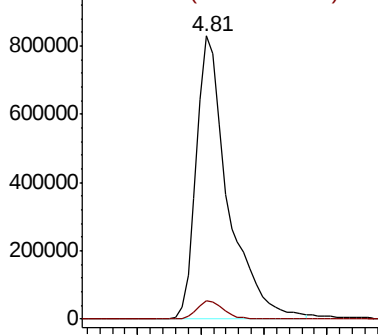
Ion Ratio Lower Upper

43 100

86 6.6 5.5 8.3



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



#24

1,1-Dichloroethane

Concen: 21.107 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

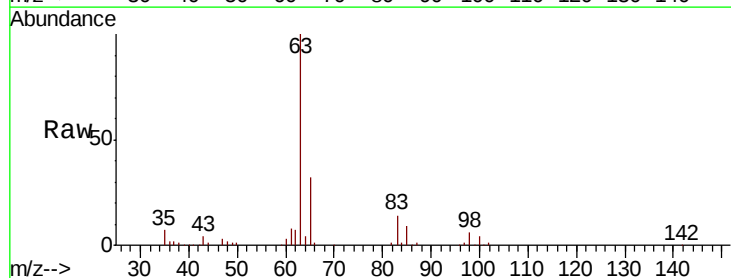
Tgt Ion: 63 Resp: 621902

Ion Ratio Lower Upper

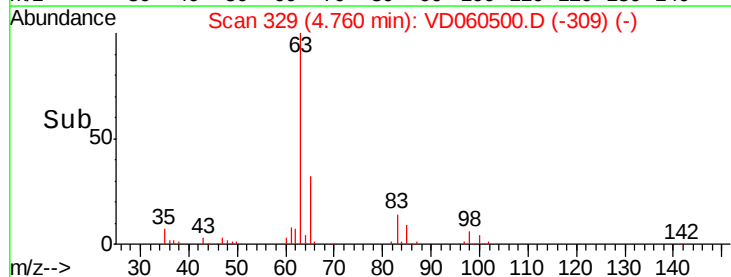
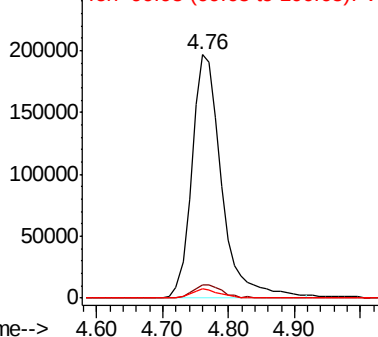
63 100

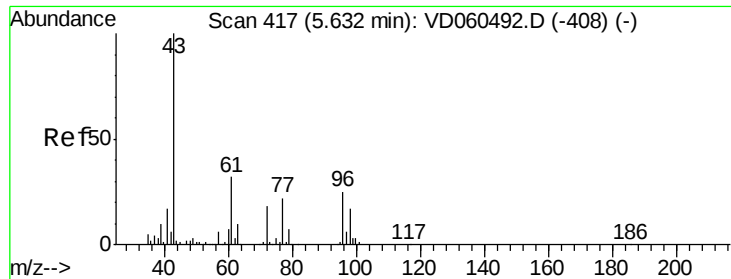
98 5.7 2.8 8.3

100 3.7 1.7 5.1



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: 98.532 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

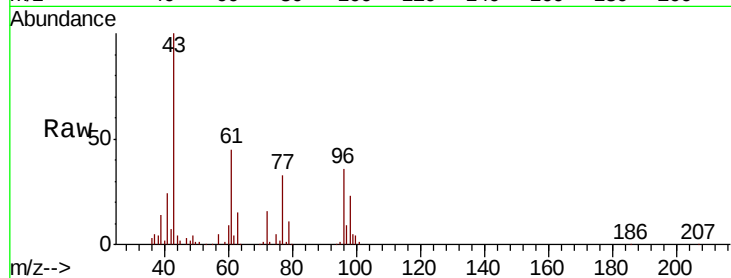
ClientSampleId :

Tot Ion: 43 Resp: 366868

Ion Ratio Lower Upper

43 100

72 16.3 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

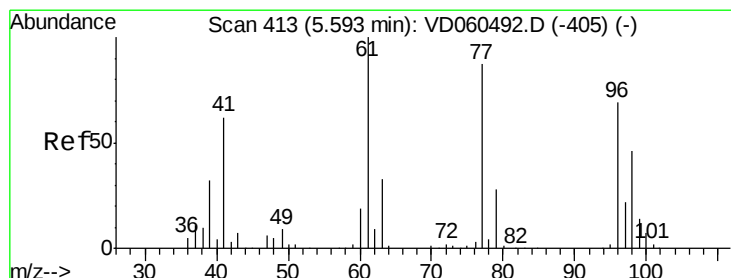
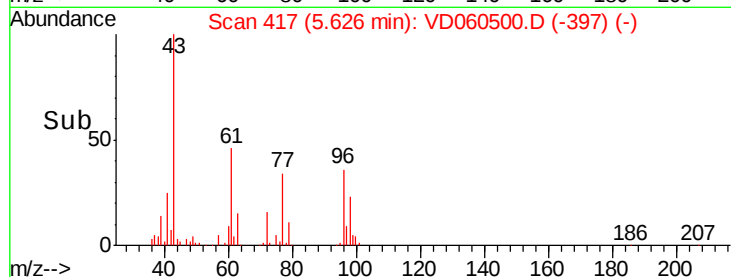
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 22.541 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060500.D

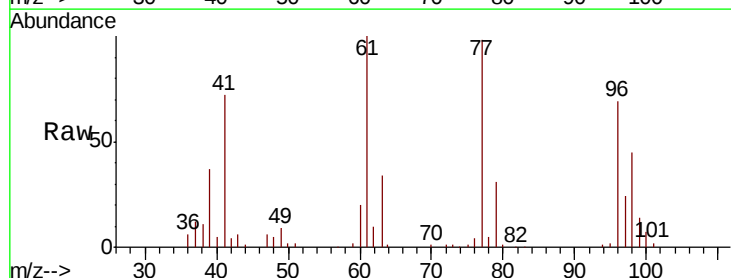
Acq: 6 Dec 2018 12:18

Tgt Ion: 77 Resp: 513071

Ion Ratio Lower Upper

77 100

97 24.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

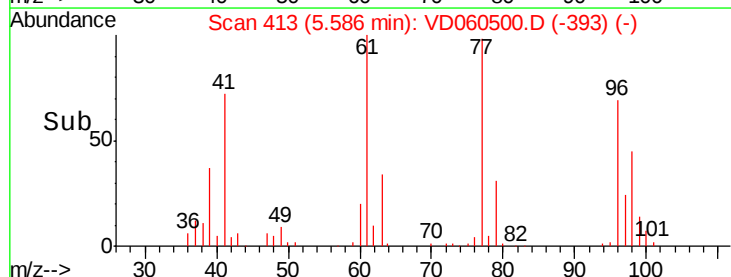
100000

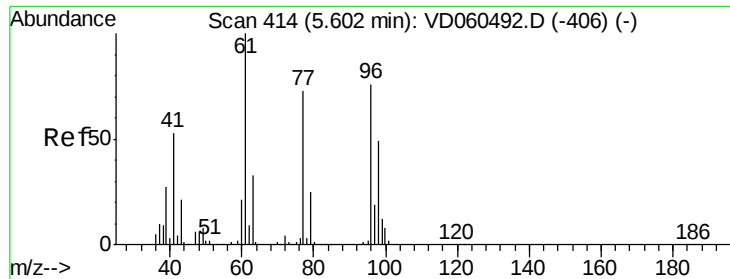
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->



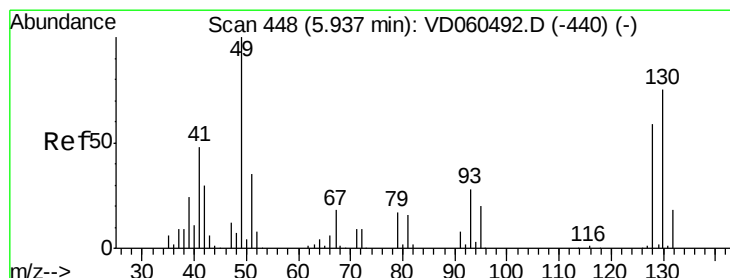
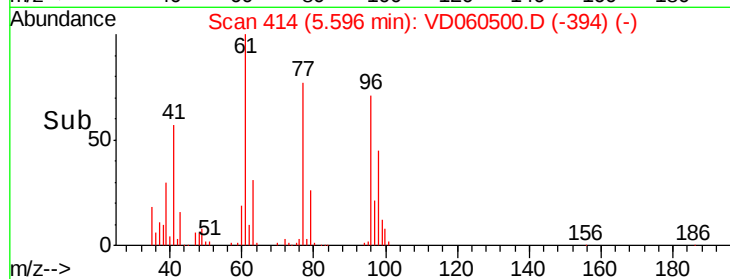
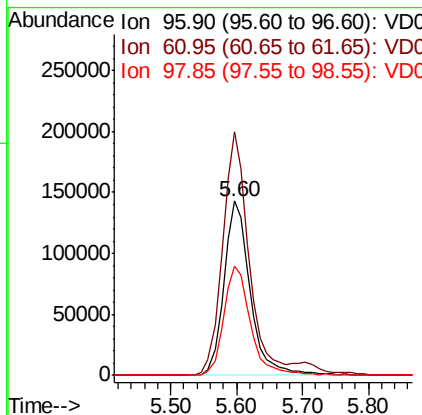
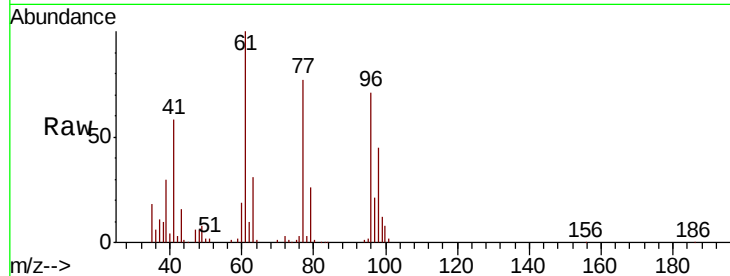


#27

cis-1,2-Dichloroethene
 Concen: 21.756 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :

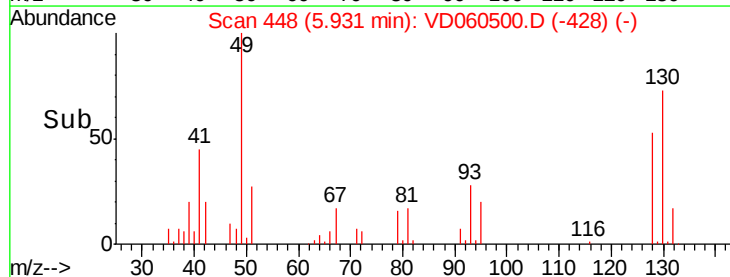
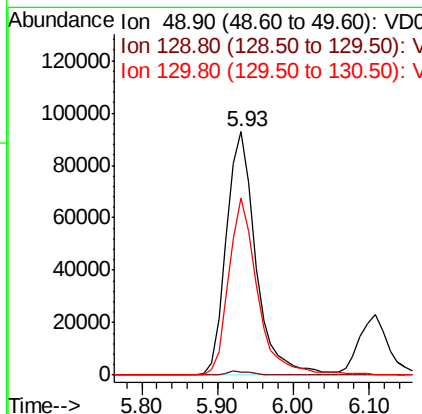
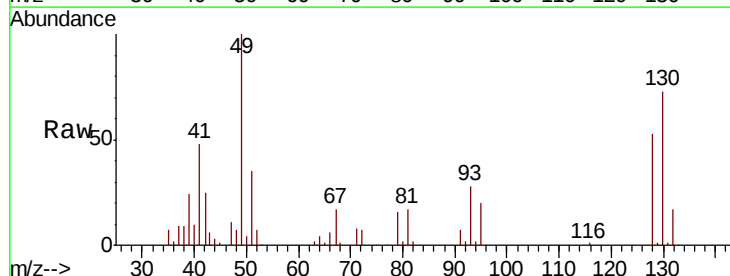
Tot Ion: 96 Resp: 400624
 Ion Ratio Lower Upper
 96 100
 61 140.0 0.0 263.6
 98 62.4 0.0 128.2



#28

Bromochloromethane
 Concen: 19.263 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion: 49 Resp: 251433
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.4
 130 72.5 59.8 89.6

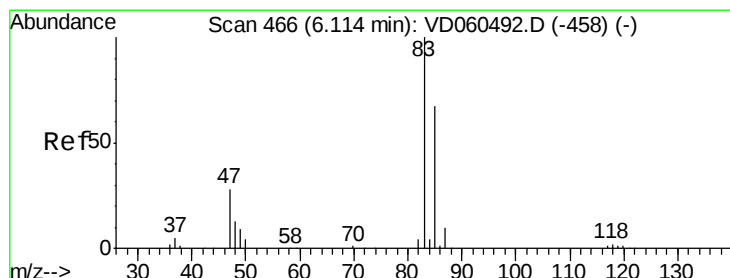
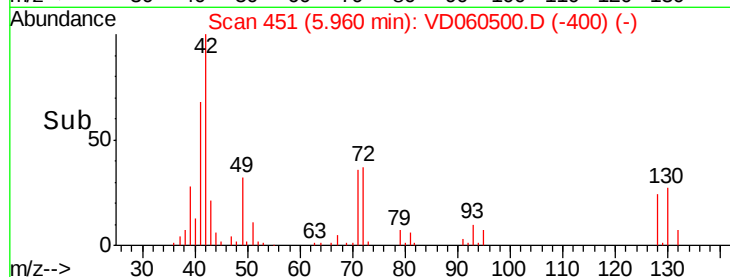
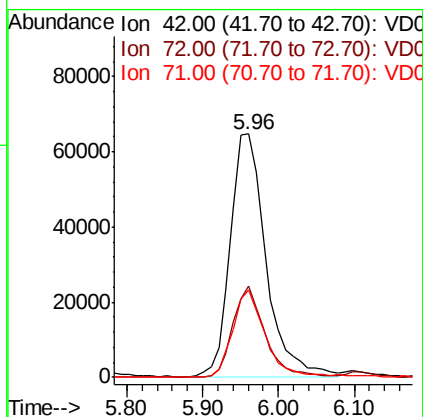
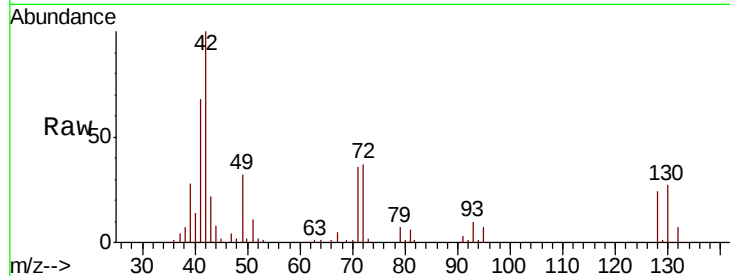




#29
Tetrahydrofuran
Concen: 100.906 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

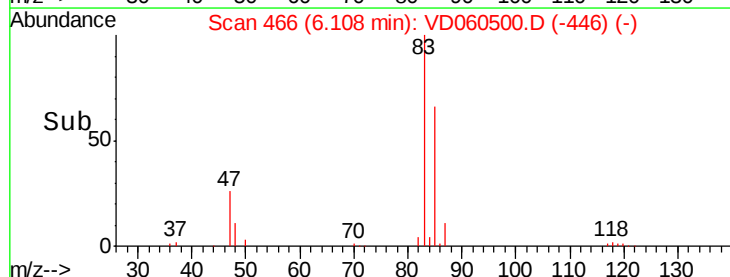
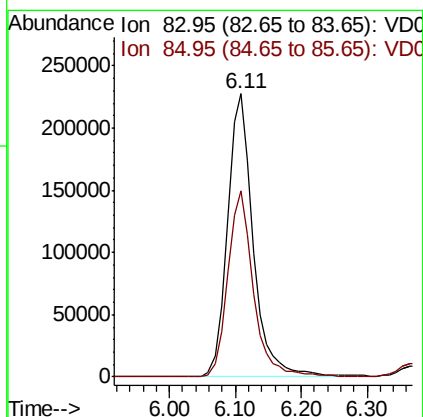
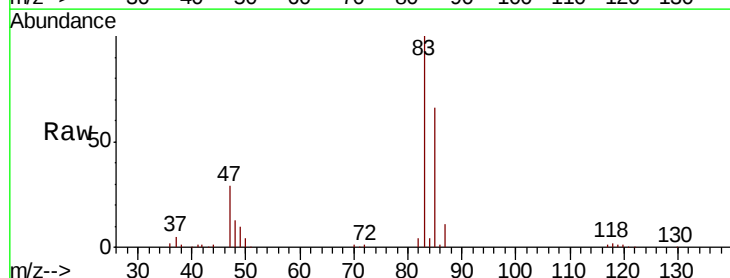
Instrument :
MSVOA_D
ClientSampleId :

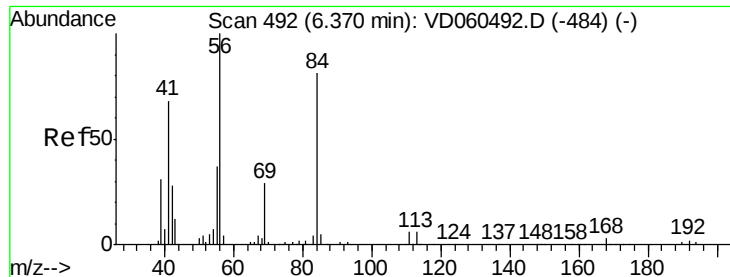
Tot Ion: 42 Resp: 212755
Ion Ratio Lower Upper
42 100
72 33.3 28.0 42.0
71 32.9 27.2 40.8



#30
Chloroform
Concen: 20.931 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 83 Resp: 621310
Ion Ratio Lower Upper
83 100
85 65.7 53.4 80.2





#31

Cyclohexane

Concen: 22.055 ug/l

RT: 6.36 min Scan# 492

Delta R.T. -0.01 min

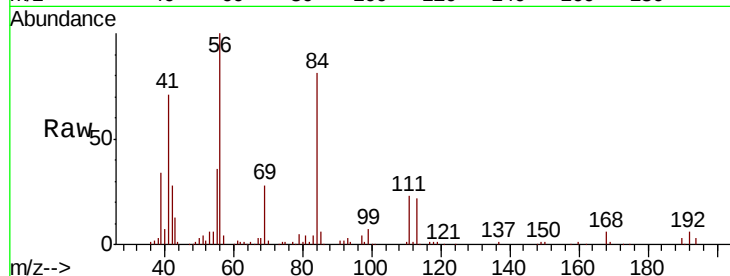
Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

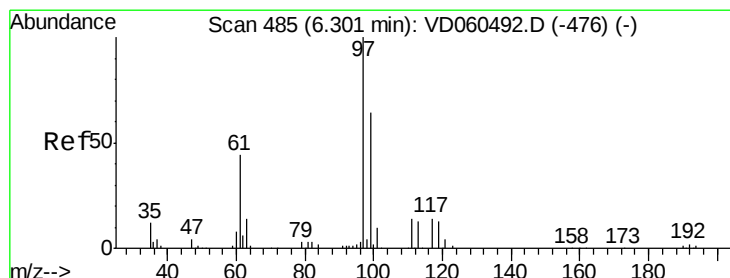
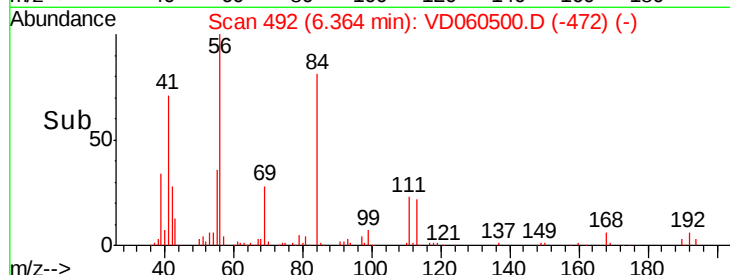
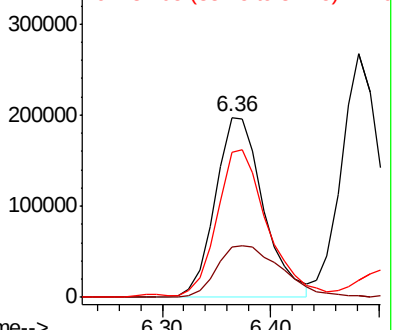
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 609640

Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.8	34.2
84	80.5	65.1	97.7



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



#32

1,1,1-Trichloroethane

Concen: 21.834 ug/l

RT: 6.30 min Scan# 485

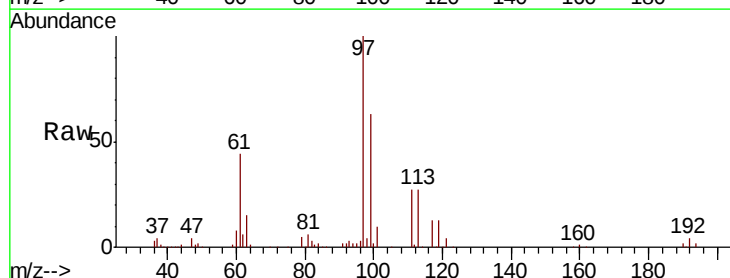
Delta R.T. -0.01 min

Lab File: VD060500.D

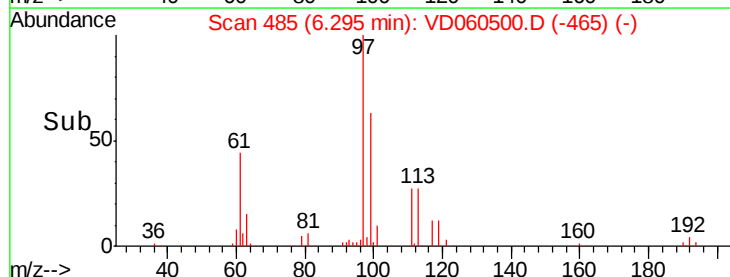
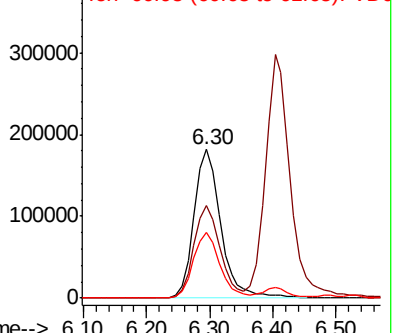
Acq: 6 Dec 2018 12:18

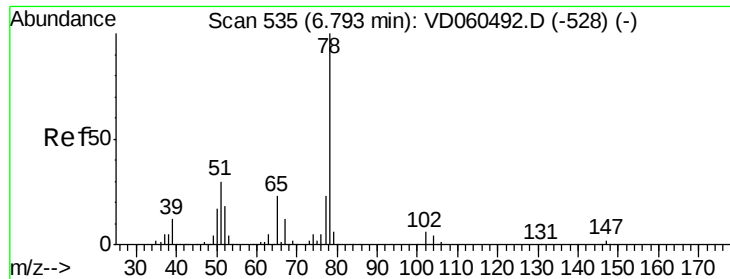
Tgt Ion: 97 Resp: 532816

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.0	76.4
61	44.5	35.3	52.9



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





#33

1,2-Dichloroethane-d4

Concen: 21.834 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

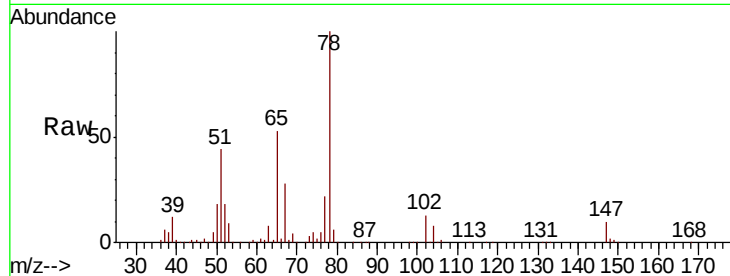
ClientSampled :

Tot Ion: 65 Resp: 571196

Ion Ratio Lower Upper

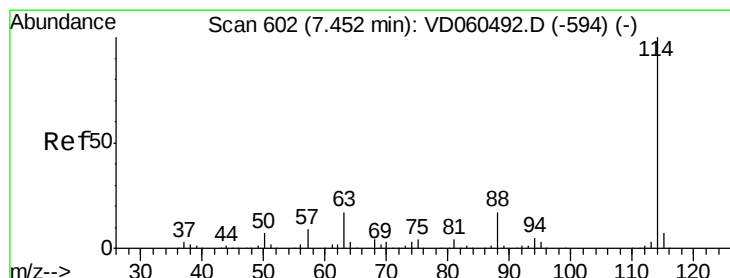
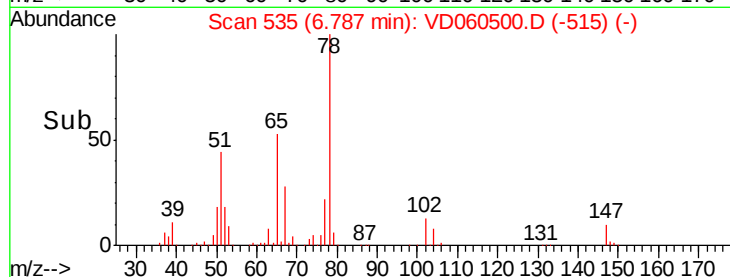
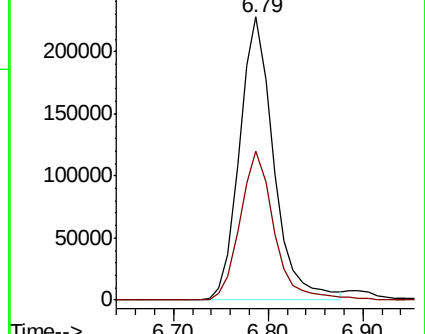
65 100

67 52.8 0.0 106.8



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: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

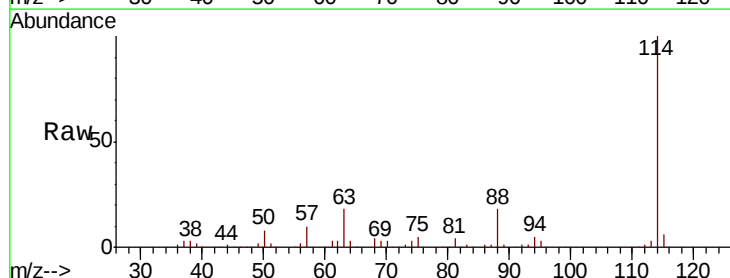
Tgt Ion: 114 Resp: 2279166

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.2

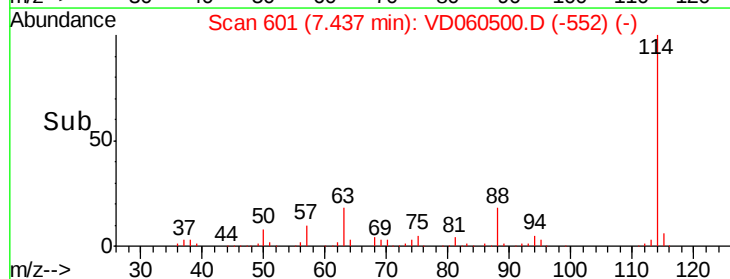
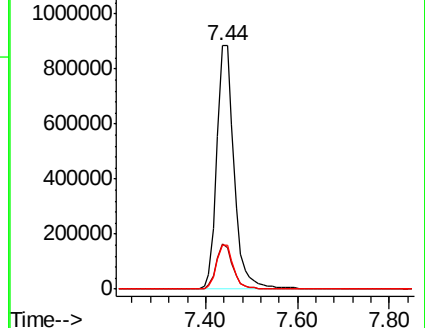
88 18.3 0.0 35.0

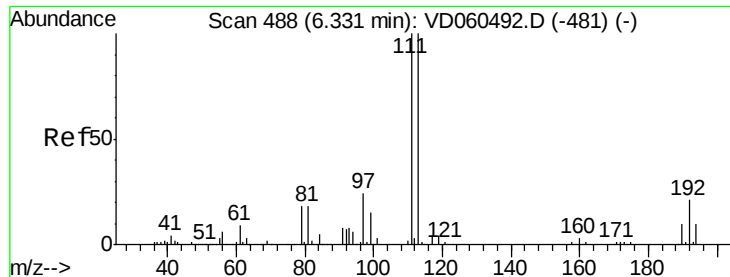


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

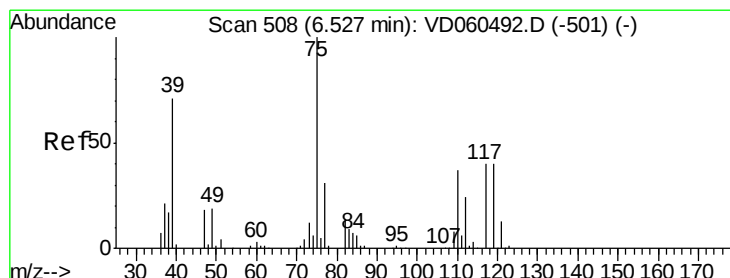
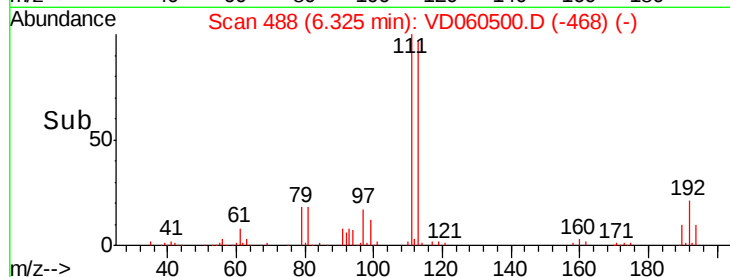
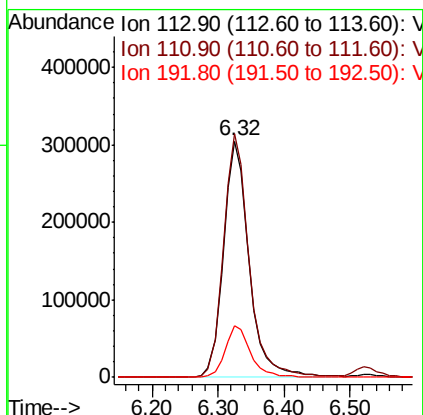
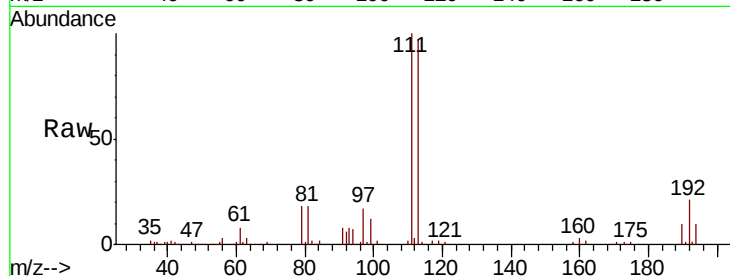




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

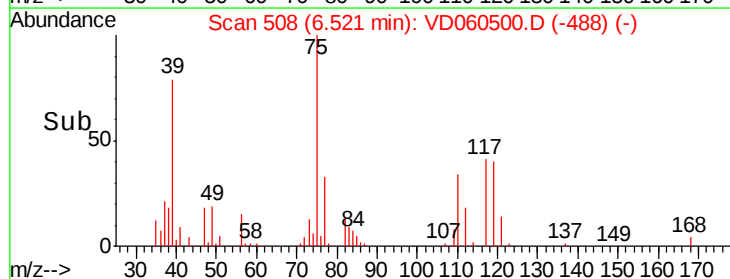
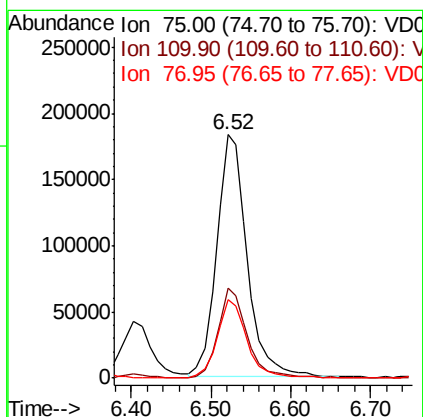
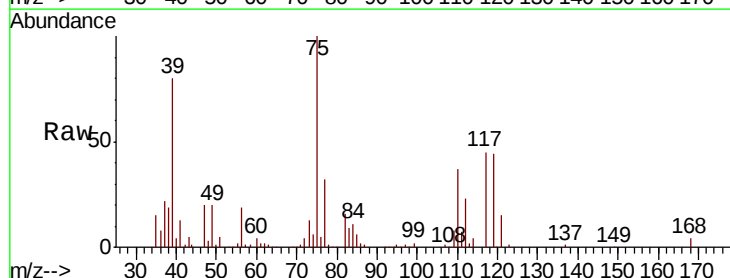
Instrument :
 MSVOA_D
 ClientSampleId :

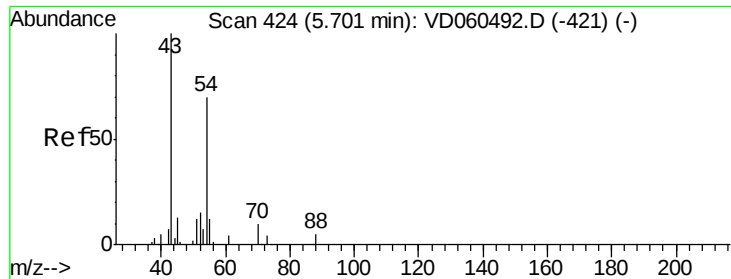
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.2	120.4
192	21.7	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 21.868 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.3	54.8
77	32.4	24.6	37.0

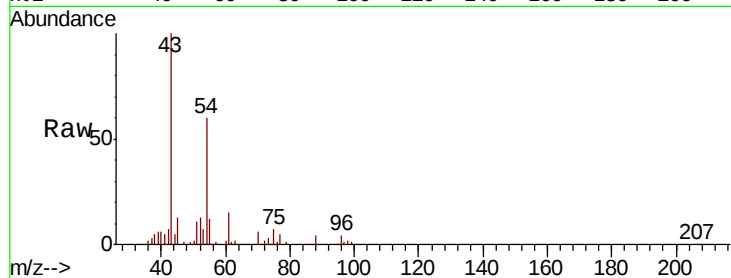




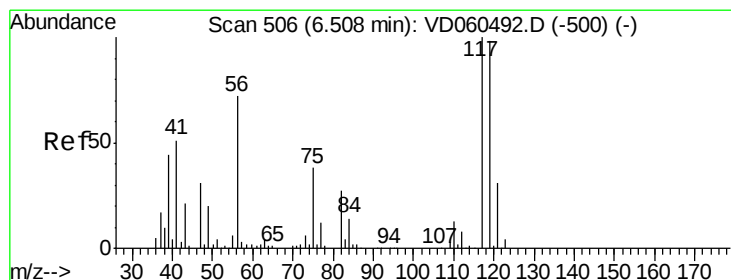
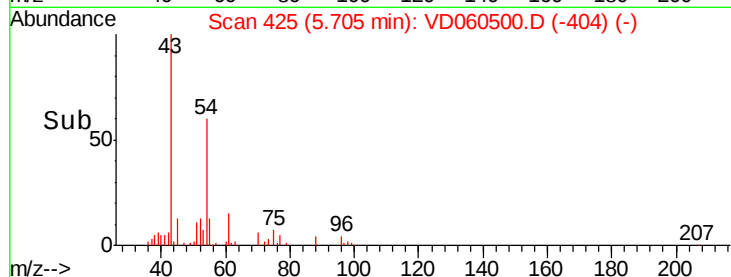
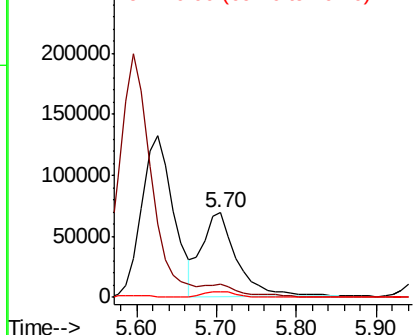
#37
Ethyl Acetate
Concen: 21.499 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 207724
Ion Ratio Lower Upper
43 100
61 15.3 12.4 18.6
70 5.8 5.4 8.0

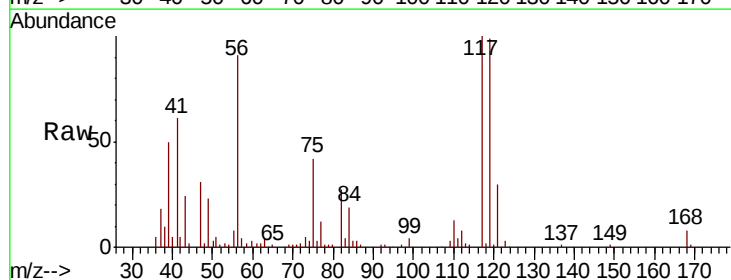


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

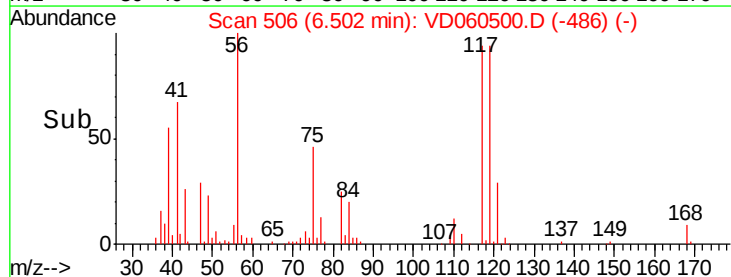
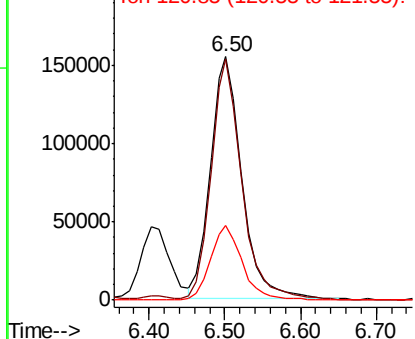


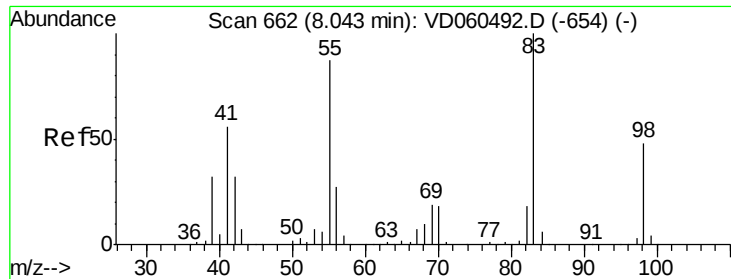
#38
Carbon Tetrachloride
Concen: 22.318 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 117 Resp: 446365
Ion Ratio Lower Upper
117 100
119 98.9 76.8 115.2
121 30.4 24.4 36.6



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

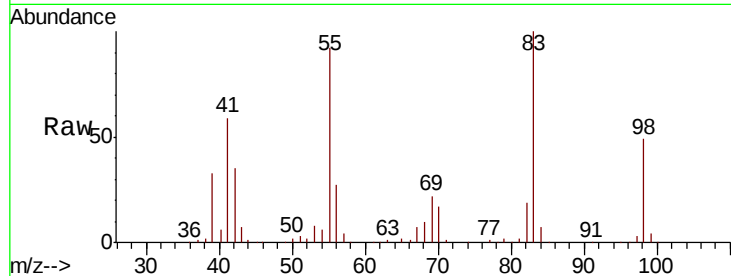




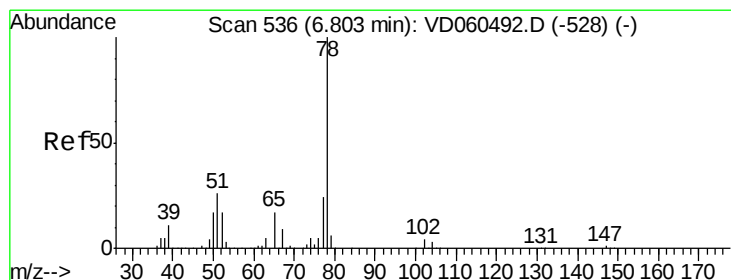
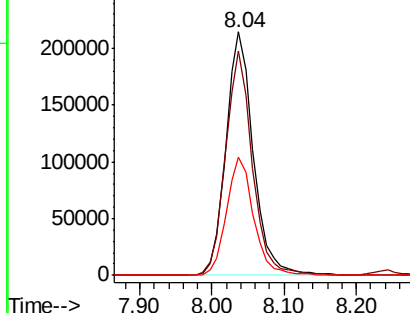
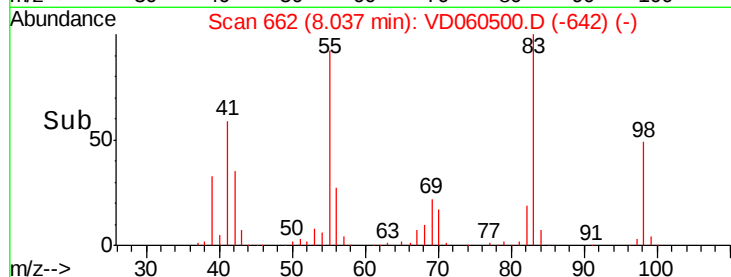
#39
Methvlcvclohexane
Concen: 22.312 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 566650
Ion Ratio Lower Upper
83 100
55 92.2 69.8 104.8
98 48.7 38.4 57.6

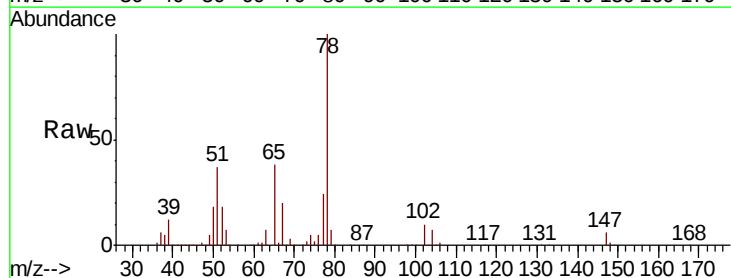


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

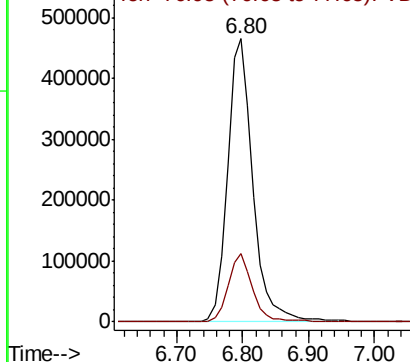
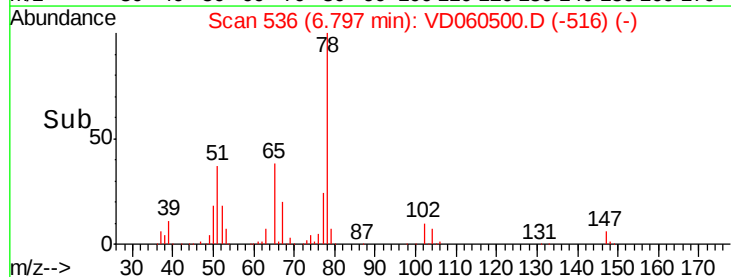


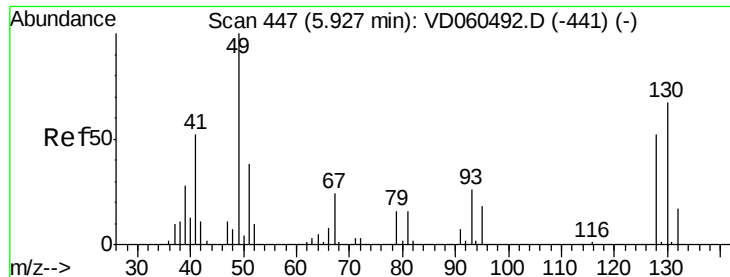
#40
Benzene
Concen: 21.890 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 78 Resp: 1246351
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3



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

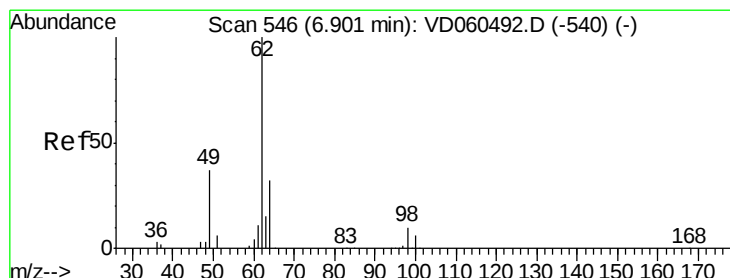
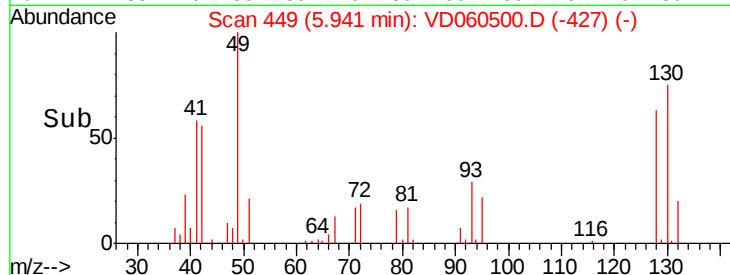
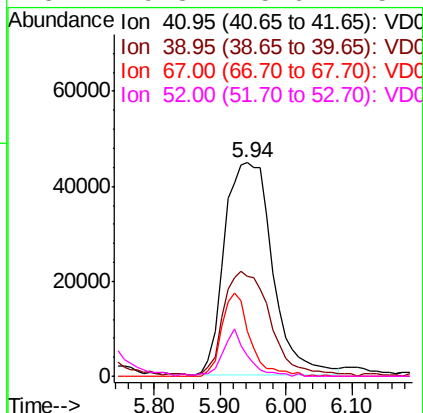
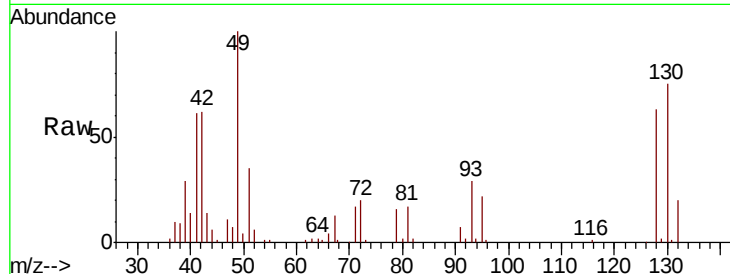




#41
Methacrylonitrile
Concen: 43.388 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

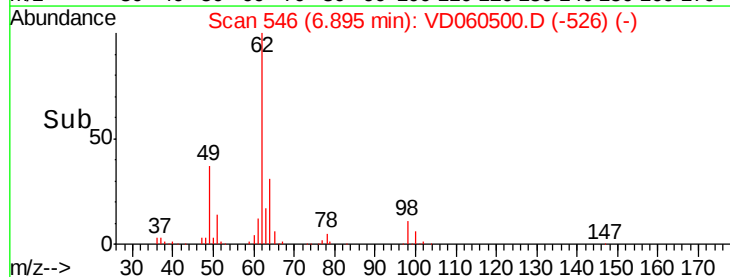
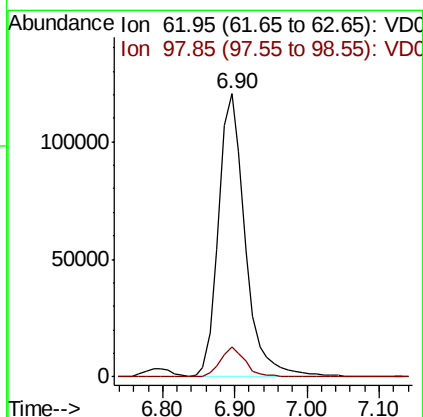
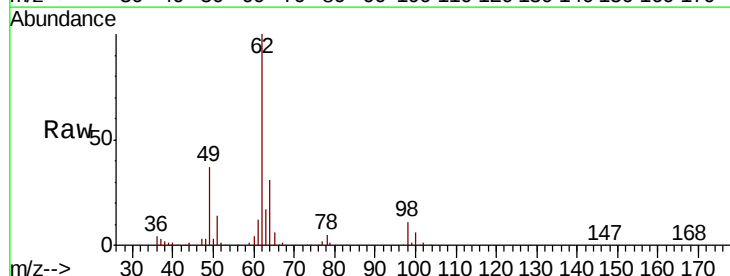
Instrument :
MSVOA_D
ClientSampleId :

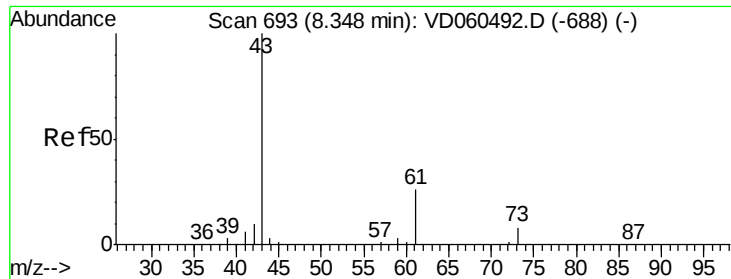
Tot Ion: 41 Resp: 225978
Ion Ratio Lower Upper
41 100
39 46.7 42.6 63.8
67 21.2 36.2 54.4#
52 9.3 15.6 23.4#



#42
1,2-Dichloroethane
Concen: 21.096 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 62 Resp: 305401
Ion Ratio Lower Upper
62 100
98 10.5 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.803 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

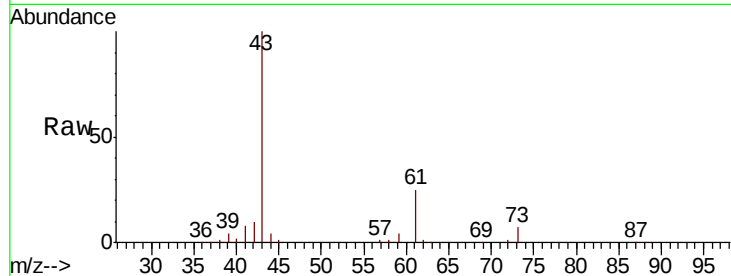
Tot Ion: 43 Resp: 248118

Ion Ratio Lower Upper

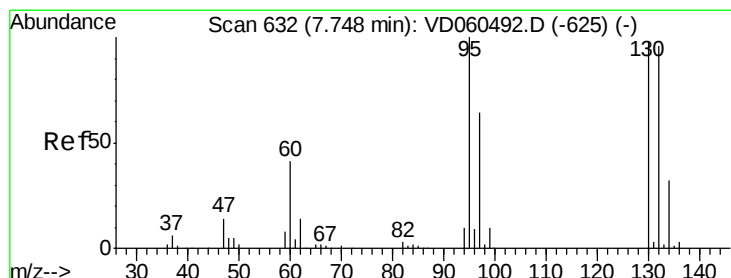
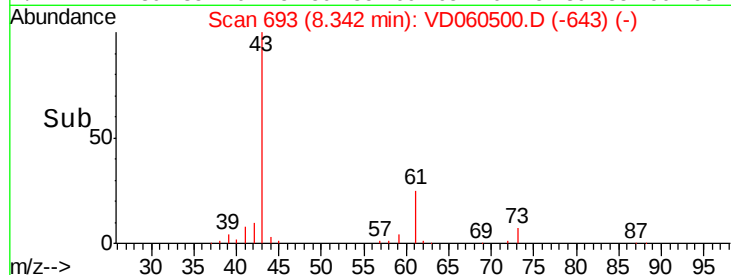
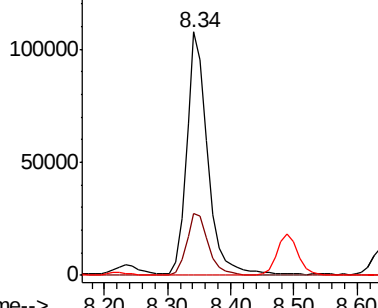
43 100

61 25.2 21.0 31.4

87 0.4 0.2 0.2#



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



#44

Trichloroethene

Concen: 22.111 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060500.D

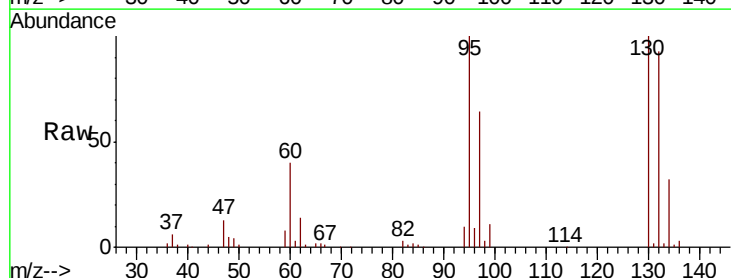
Acq: 6 Dec 2018 12:18

Tgt Ion:130 Resp: 376230

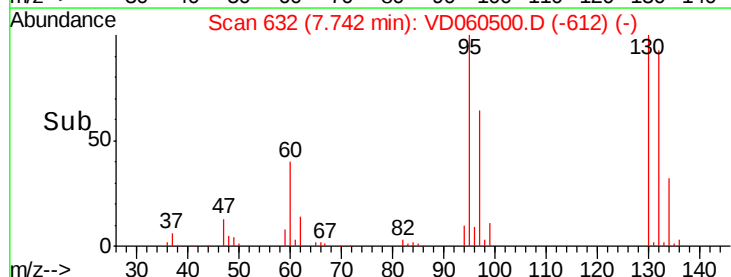
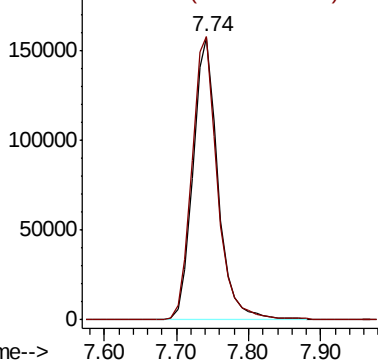
Ion Ratio Lower Upper

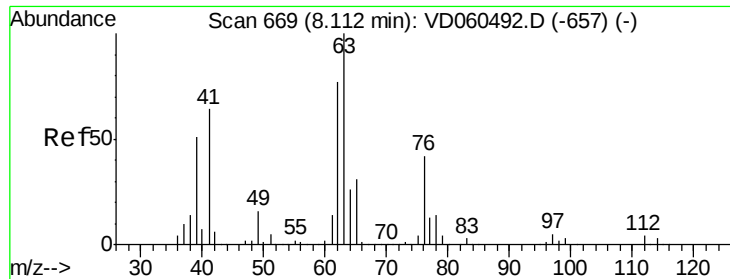
130 100

95 100.2 0.0 203.8



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





#45

1,2-Dichloropropane

Concen: 21.672 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

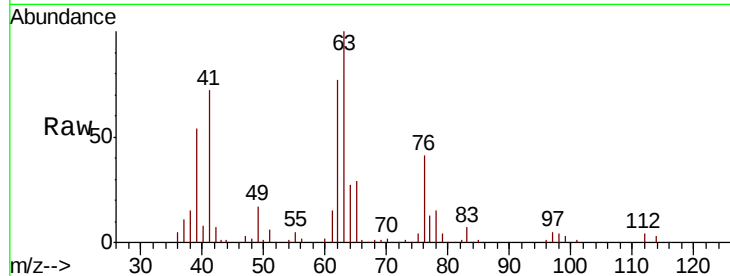
ClientSampled :

Tot Ion: 63 Resp: 305184

Ion Ratio Lower Upper

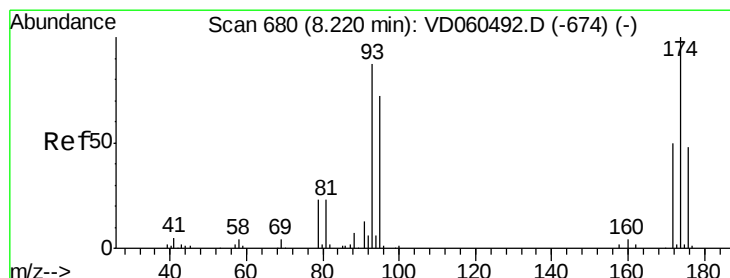
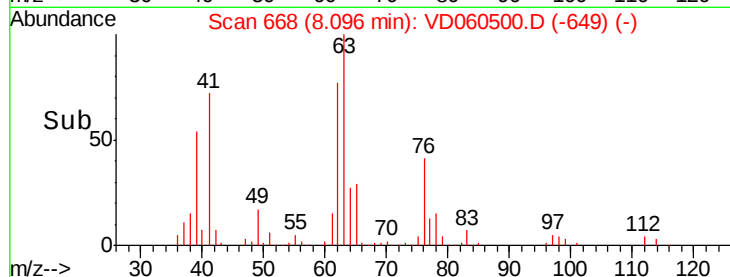
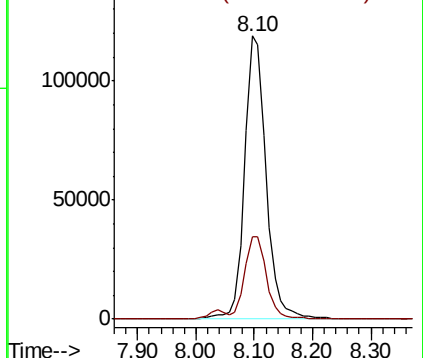
63 100

65 29.2 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.115 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

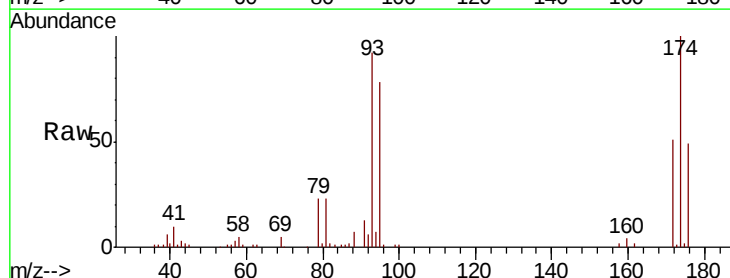
Tgt Ion: 93 Resp: 171796

Ion Ratio Lower Upper

93 100

95 85.6 65.6 98.4

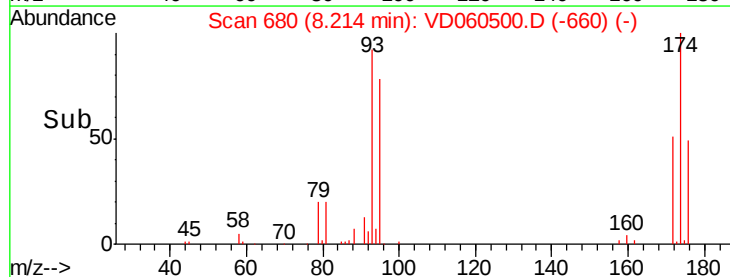
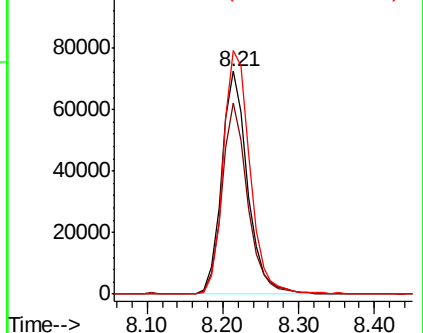
174 109.2 91.7 137.5

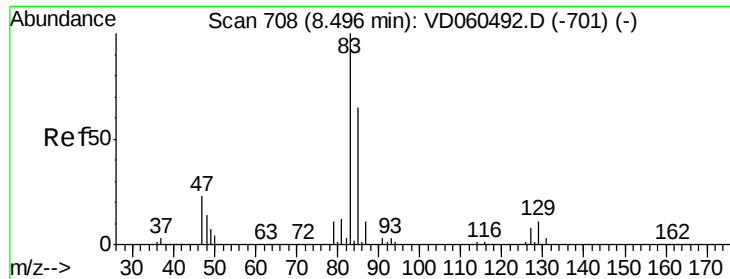


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.777 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

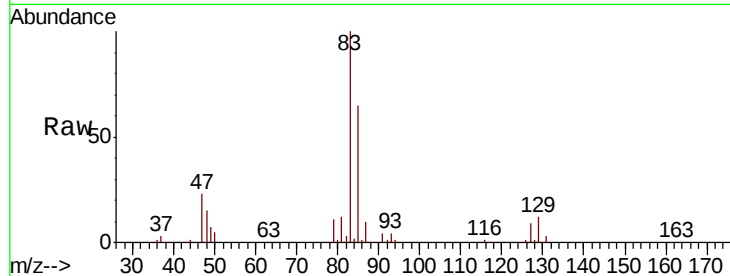
Tot Ion: 83 Resp: 420392

Ion Ratio Lower Upper

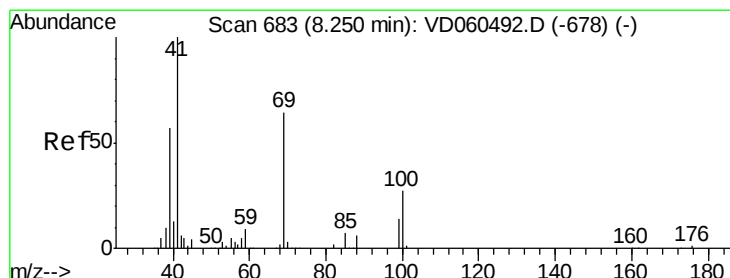
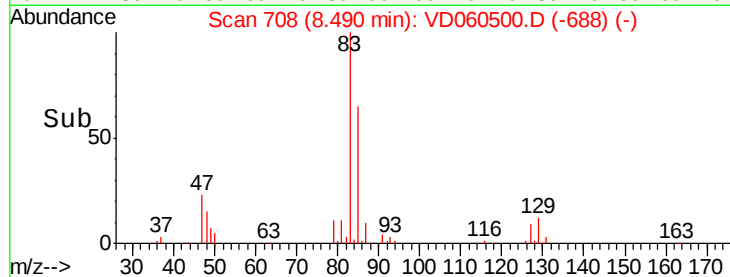
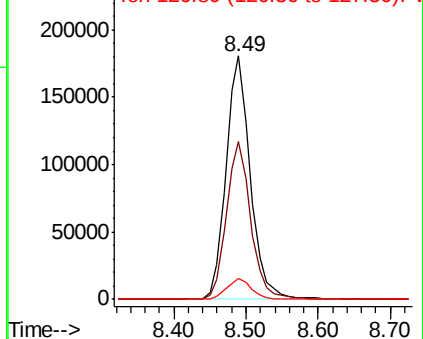
83 100

85 64.9 52.2 78.4

127 8.8 6.7 10.1



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



#48

Methyl methacrylate

Concen: 21.907 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

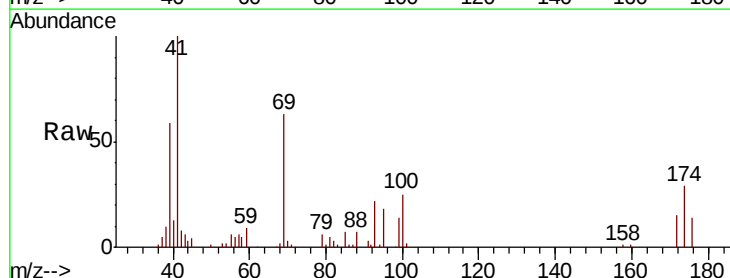
Tgt Ion: 41 Resp: 154600

Ion Ratio Lower Upper

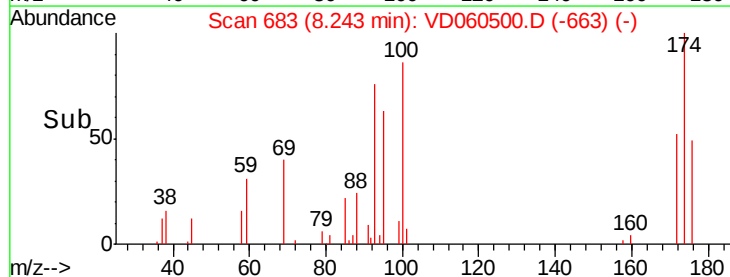
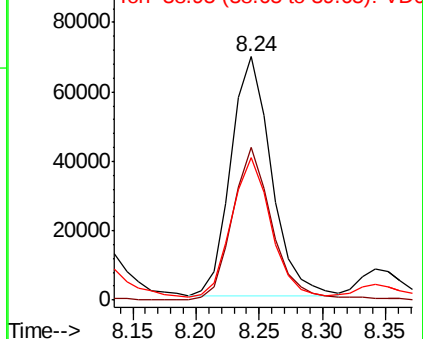
41 100

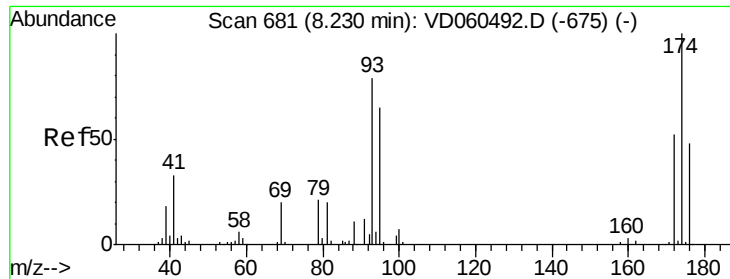
69 62.9 50.2 75.4

39 58.7 46.1 69.1



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

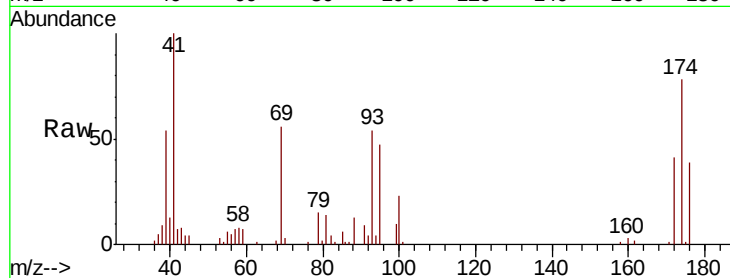




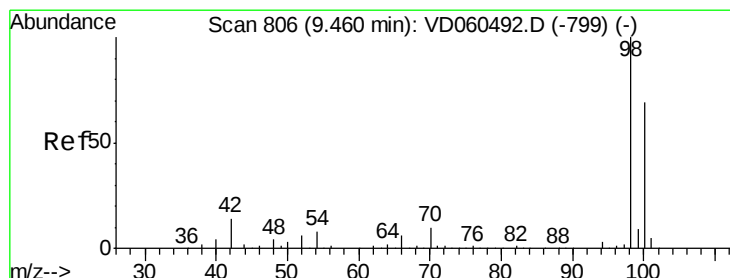
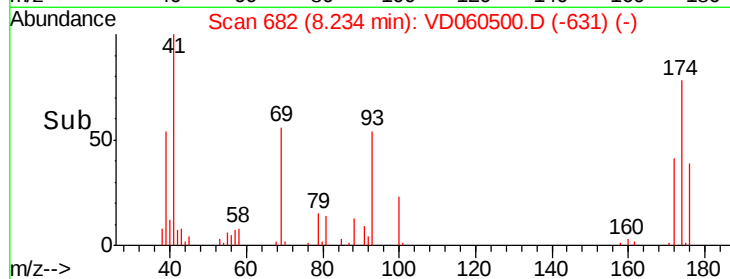
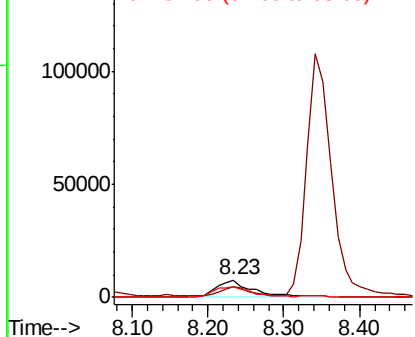
#49
1,4-Dioxane
Concen: 414.260 ug/l
RT: 8.23 min Scan# 682
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 26496
Ion Ratio Lower Upper
88 100
43 62.2 32.9 49.3#
58 64.5 47.7 71.5

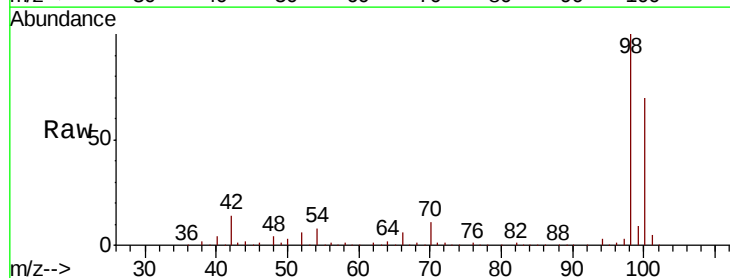


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

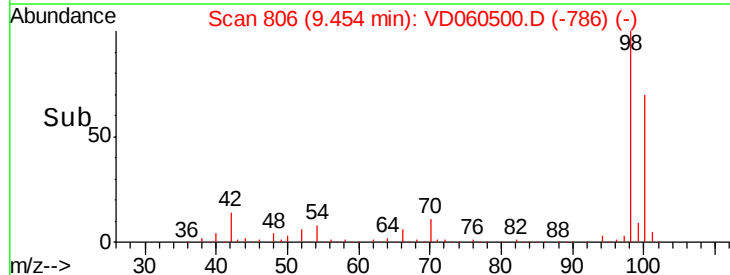
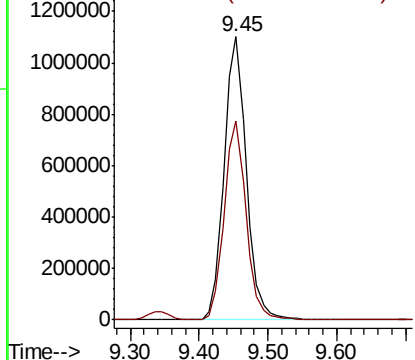


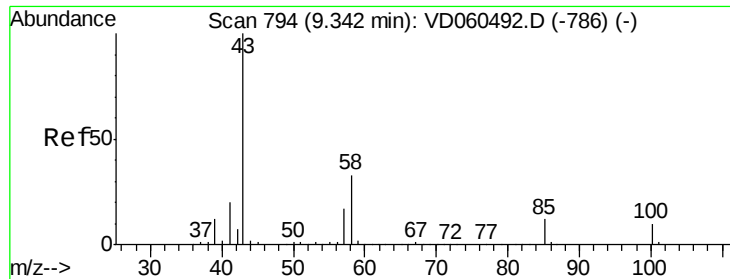
#50
Toluene-d8
Concen: 414.260 ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 98 Resp: 2461362
Ion Ratio Lower Upper
98 100
100 70.5 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 106.879 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

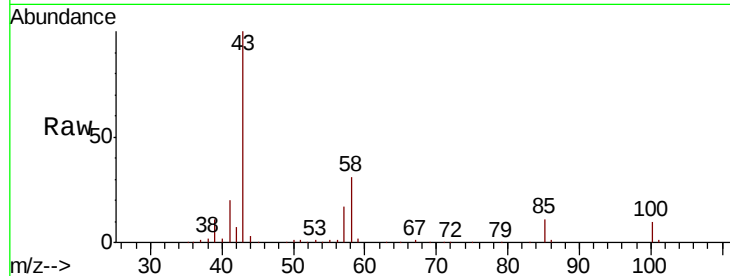
ClientSampleId :

Tot Ion: 43 Resp: 792938

Ion Ratio Lower Upper

43 100

58 31.3 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

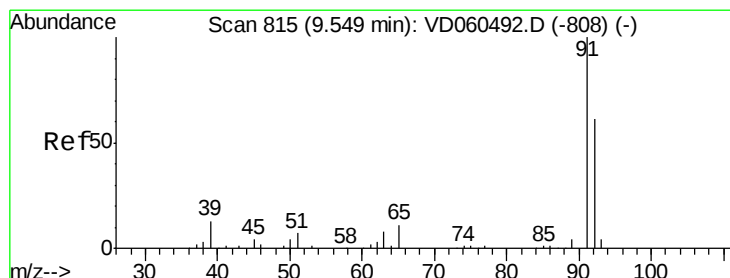
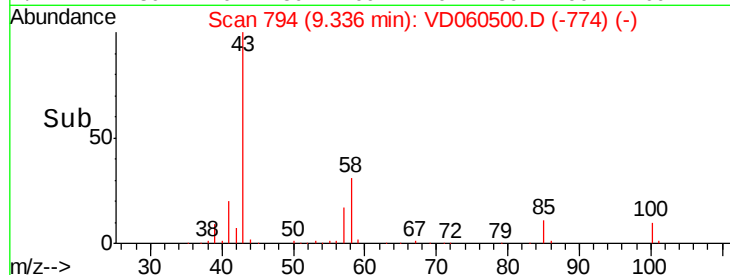
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.994 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060500.D

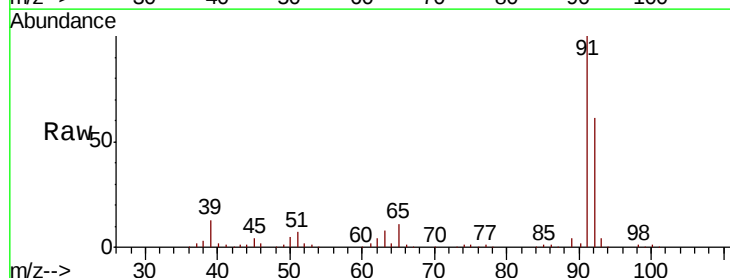
Acq: 6 Dec 2018 12:18

Tgt Ion: 92 Resp: 782684

Ion Ratio Lower Upper

92 100

91 164.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

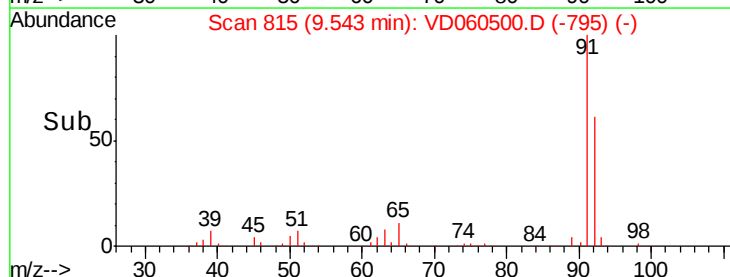
600000

400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.318 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

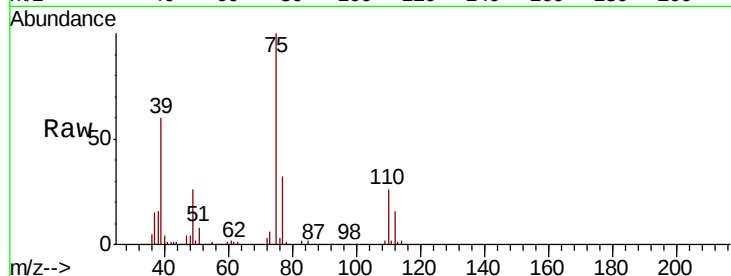
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 338152

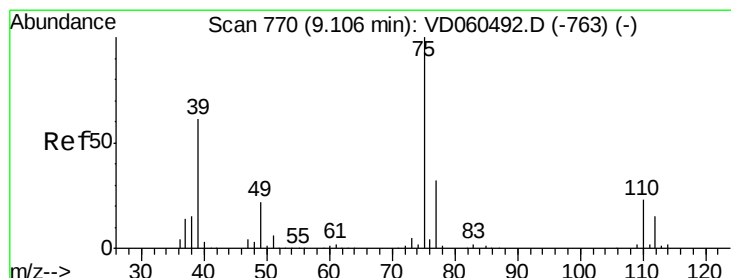
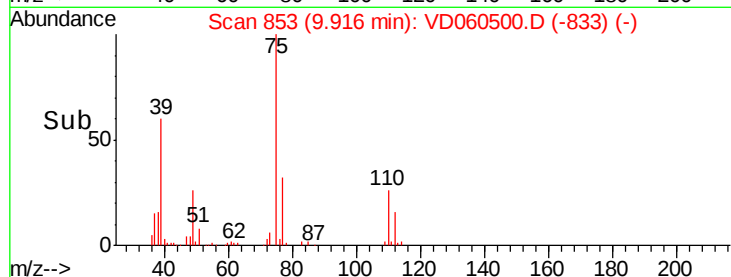
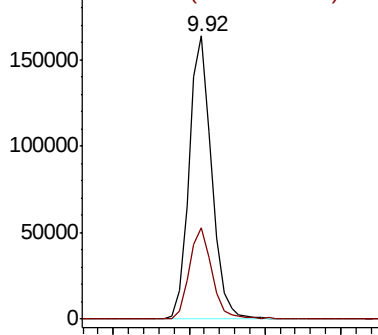
Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2



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



#54

cis-1,3-Dichloropropene

Concen: 21.612 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

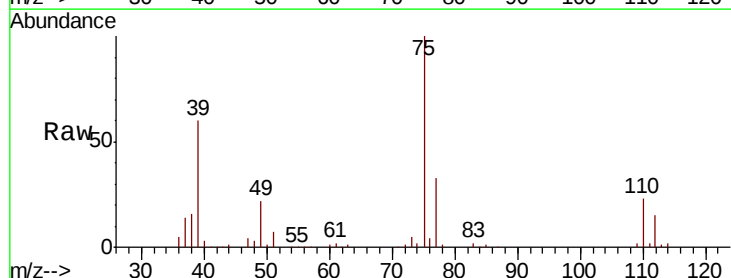
Tgt Ion: 75 Resp: 450409

Ion Ratio Lower Upper

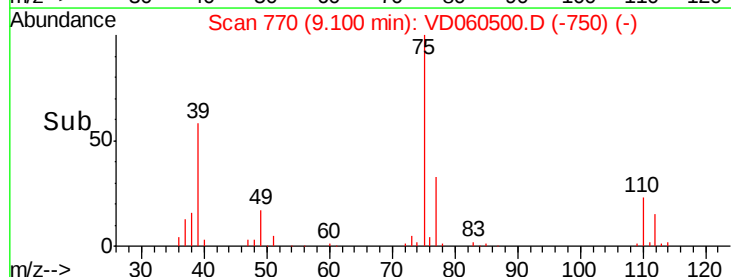
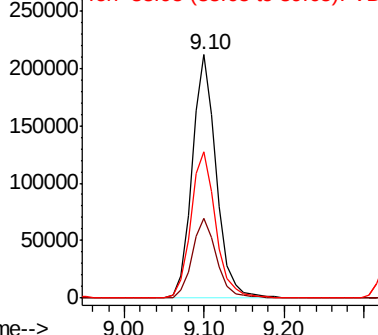
75 100

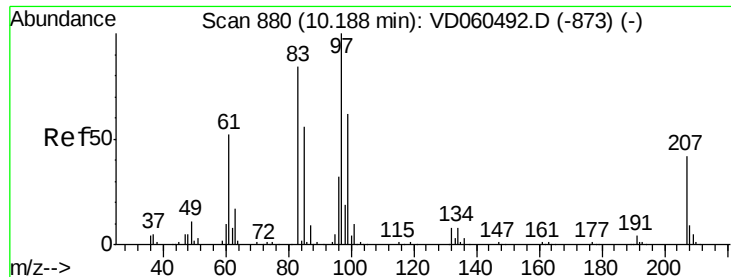
77 32.7 25.6 38.4

39 60.0 48.6 73.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC



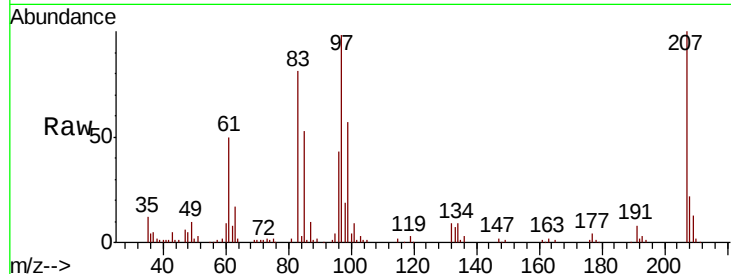


#55
 1,1,2-Trichloroethane
 Concen: 21.371 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

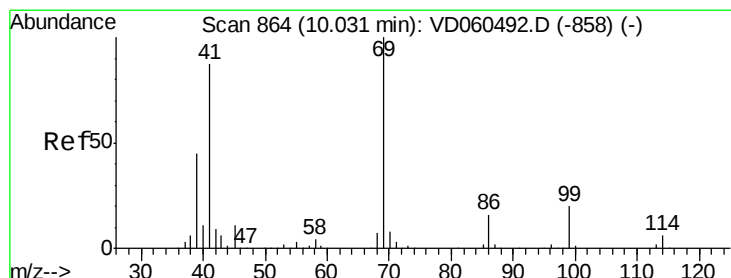
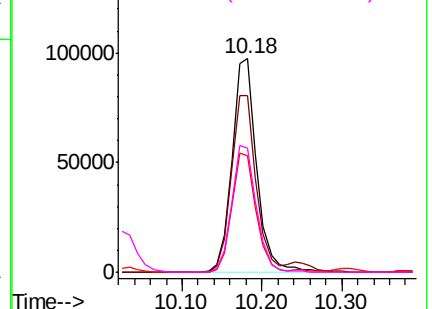
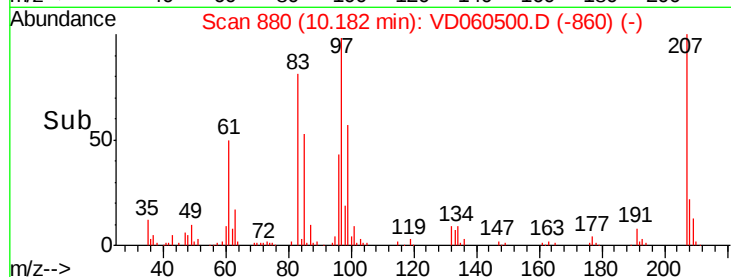
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 211790

Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.2	100.8
85	54.3	44.5	66.7
99	58.2	49.3	73.9



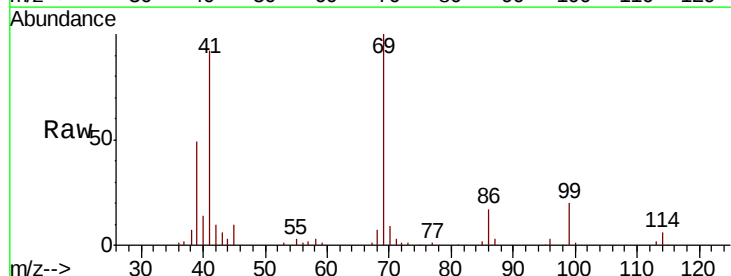
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



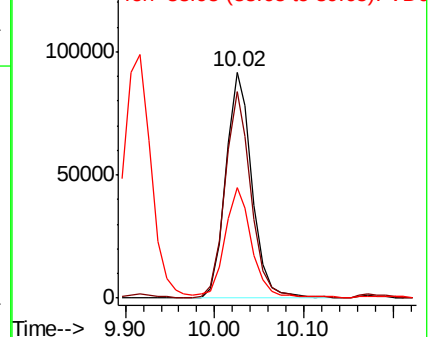
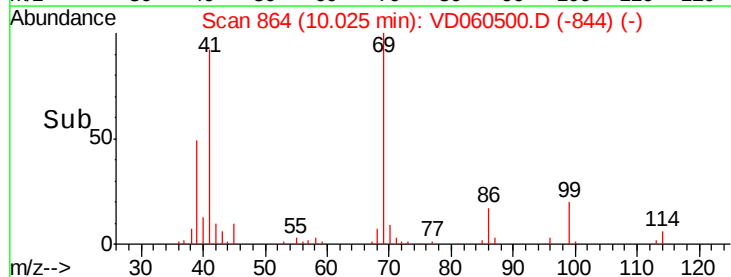
#56
 Ethyl methacrylate
 Concen: 21.123 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

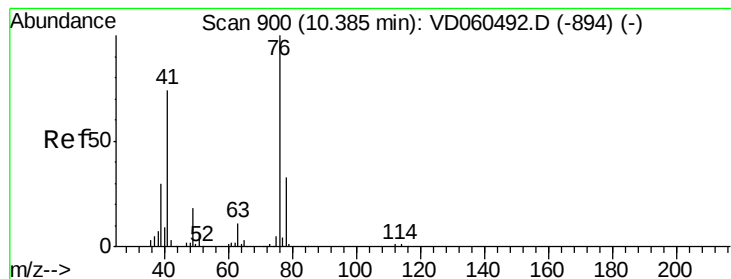
Tgt Ion: 69 Resp: 189455

Ion	Ratio	Lower	Upper
69	100		
41	91.7	69.8	104.8
39	49.1	37.5	56.3



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





#57

1,3-Dichloropropane

Concen: 20.947 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

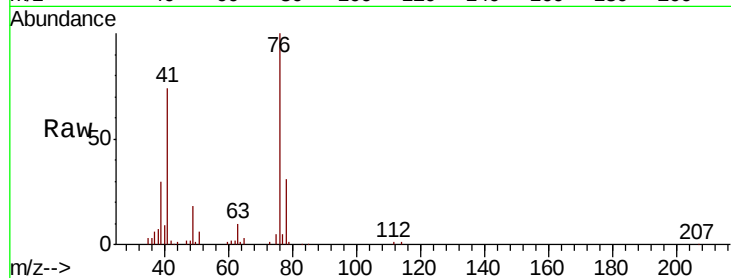
ClientSampleId :

Tot Ion: 76 Resp: 320909

Ion Ratio Lower Upper

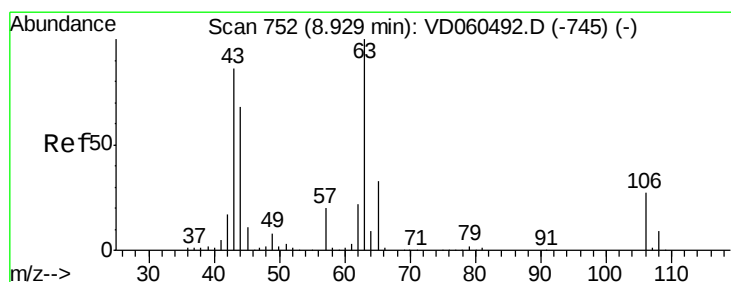
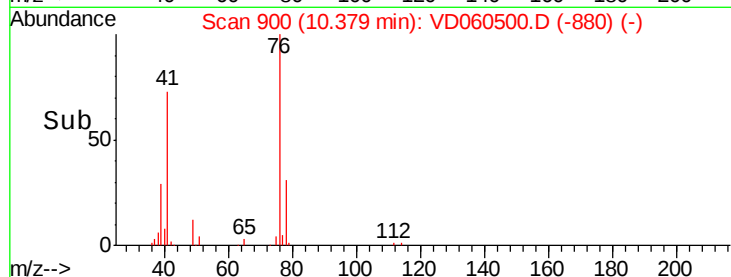
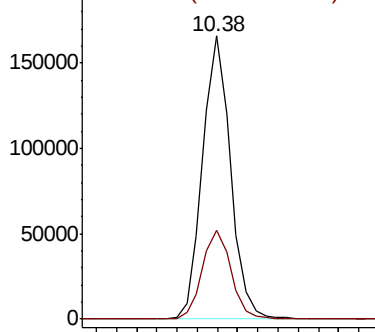
76 100

78 31.3 26.1 39.1



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: 103.680 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060500.D

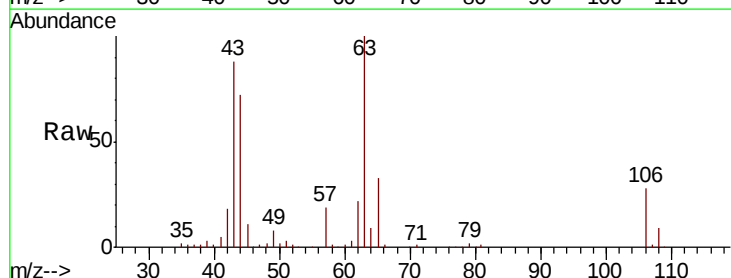
Acq: 6 Dec 2018 12:18

Tgt Ion: 63 Resp: 556403

Ion Ratio Lower Upper

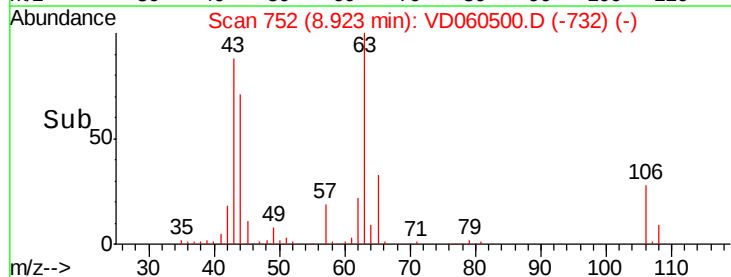
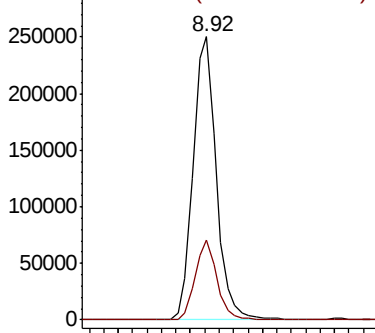
63 100

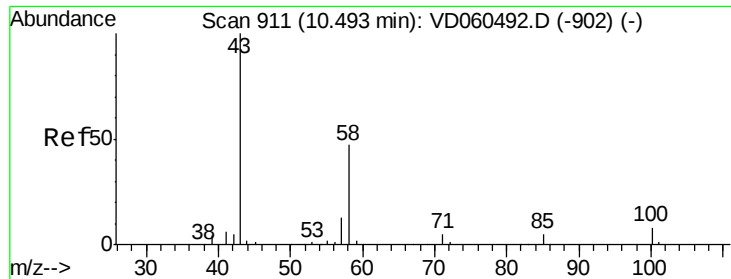
106 28.3 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

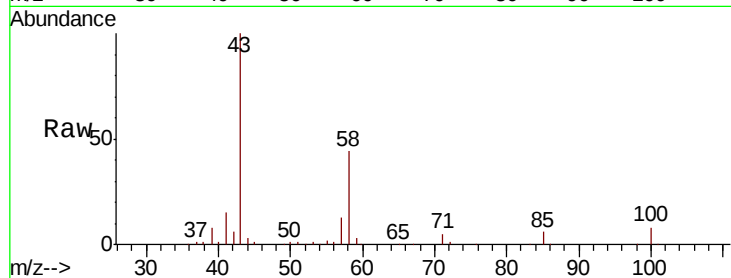




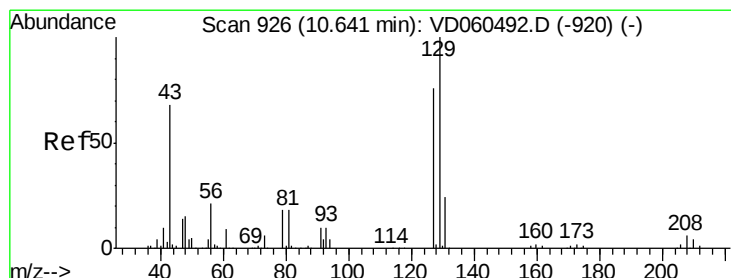
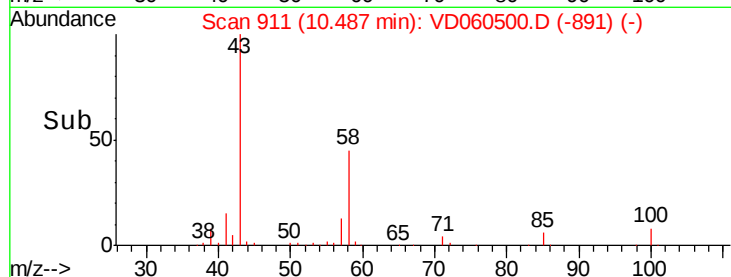
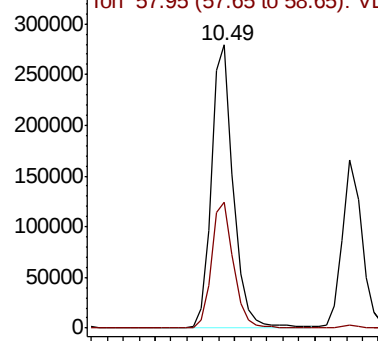
#59
2-Hexanone
Concen: 102.718 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 532662
Ion Ratio Lower Upper
43 100
58 44.4 23.4 70.2

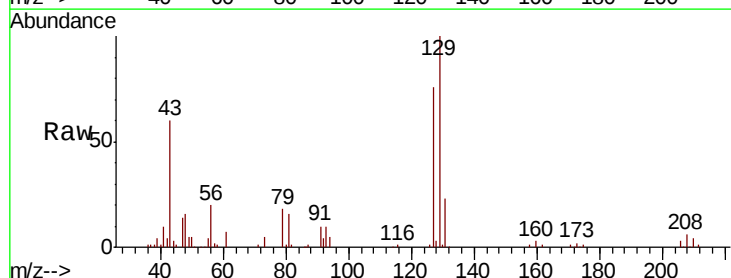


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

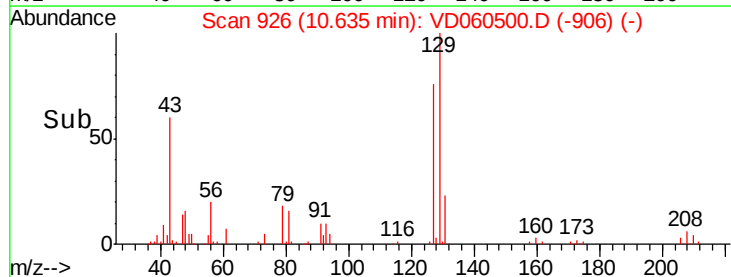
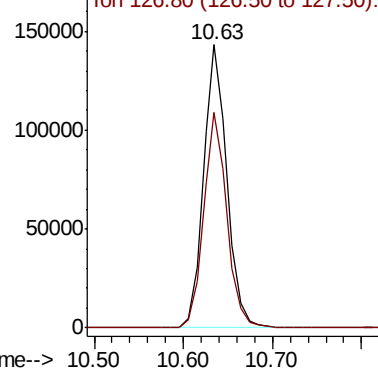


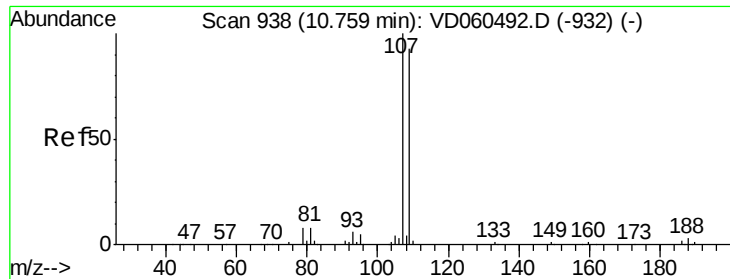
#60
Dibromochloromethane
Concen: 21.281 ug/l
RT: 10.63 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 129 Resp: 263685
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3



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





#61

1,2-Dibromoethane

Concen: 20.924 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

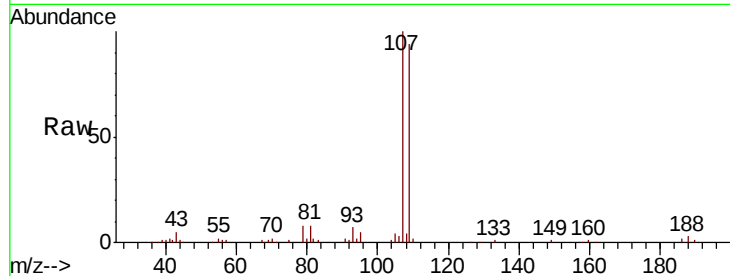
ClientSampleId :

Tot Ion:107 Resp: 211322

Ion Ratio Lower Upper

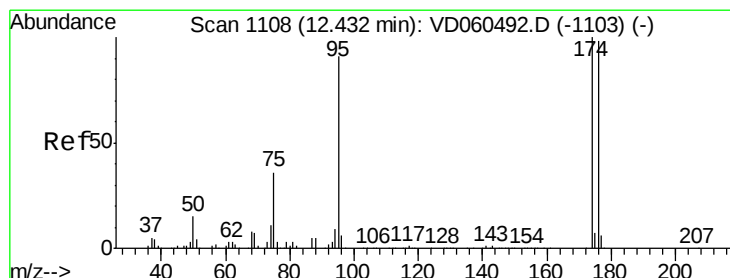
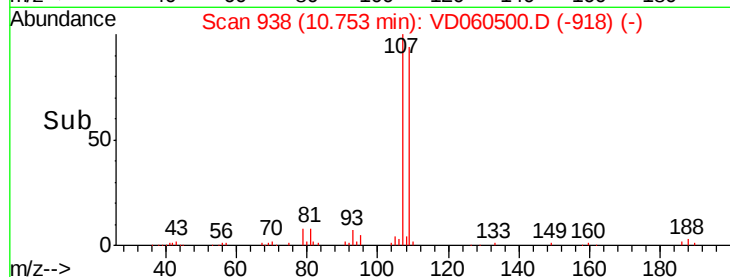
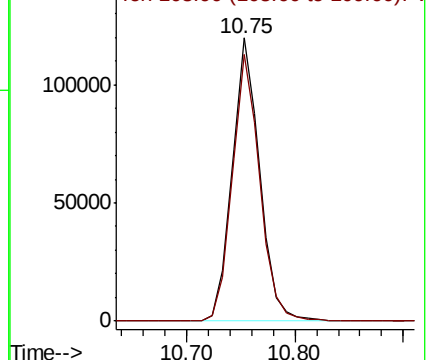
107 100

109 94.4 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.924 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

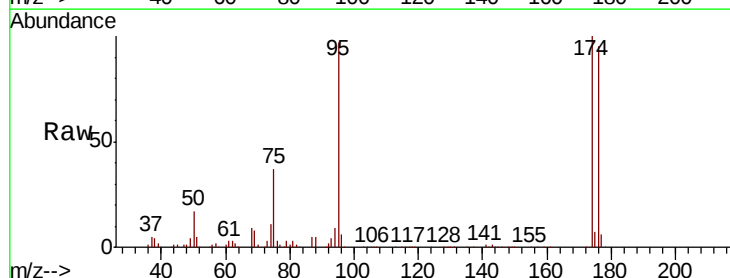
Tgt Ion: 95 Resp: 854850

Ion Ratio Lower Upper

95 100

174 103.5 0.0 219.4

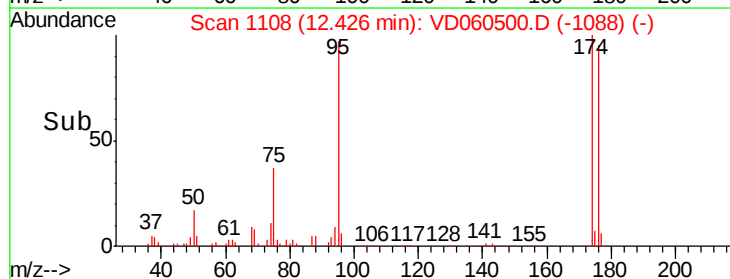
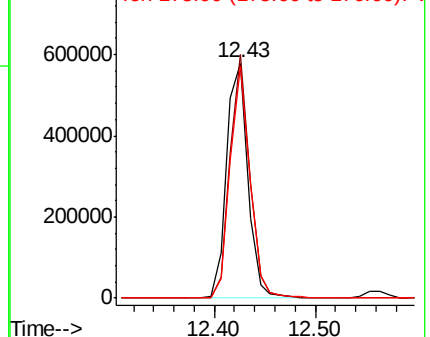
176 98.6 0.0 214.6

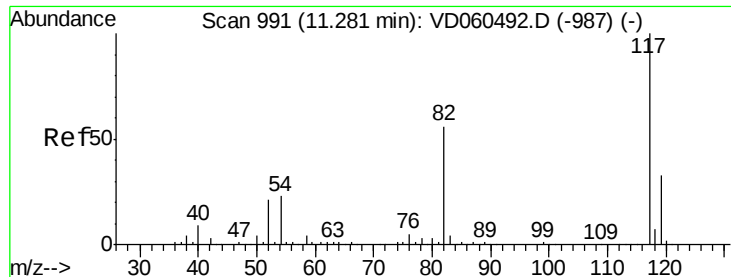


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

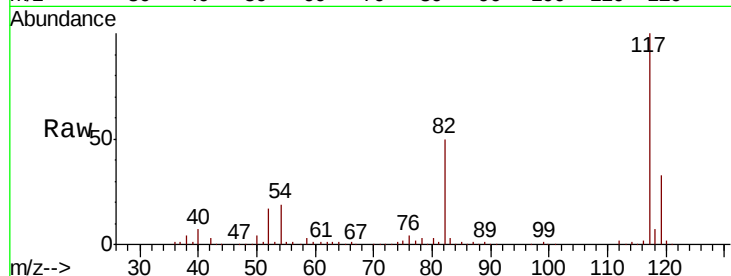




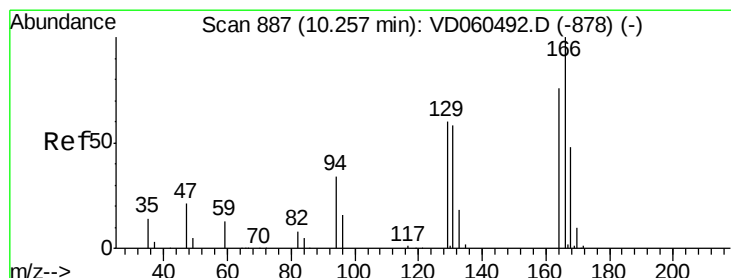
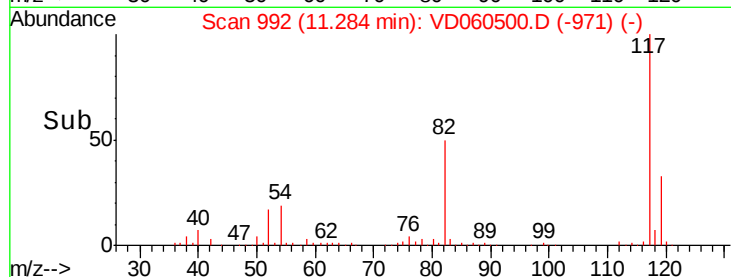
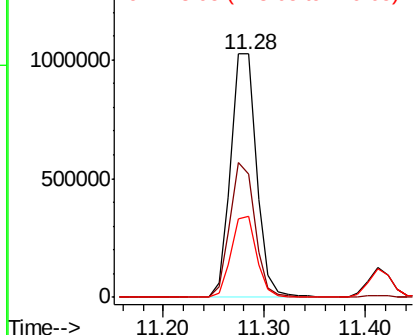
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1826318
Ion Ratio Lower Upper
117 100
82 50.5 45.2 67.8
119 33.2 26.1 39.1

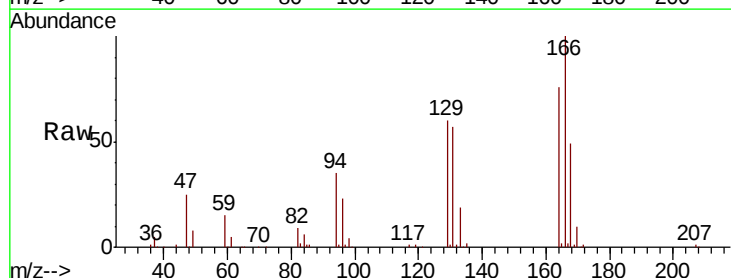


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

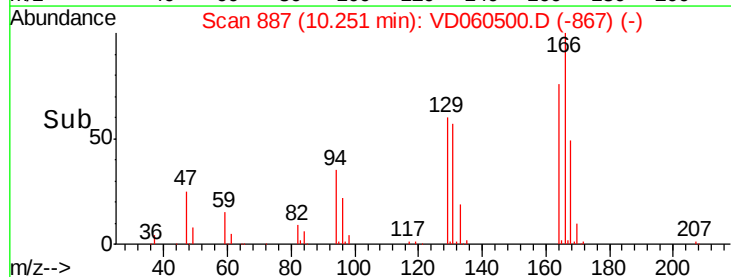
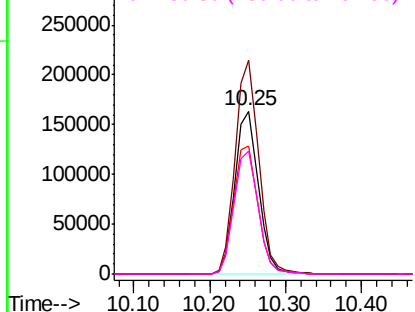


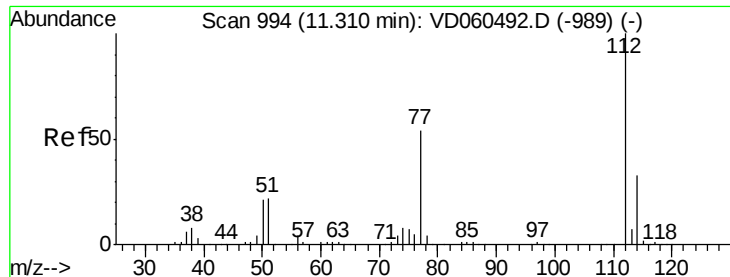
#64
Tetrachloroethene
Concen: 21.756 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion:164 Resp: 351830
Ion Ratio Lower Upper
164 100
166 131.3 105.0 157.6
129 79.1 63.0 94.4
131 75.3 60.6 90.8



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

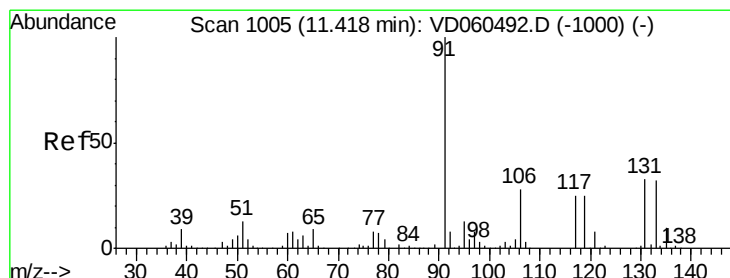
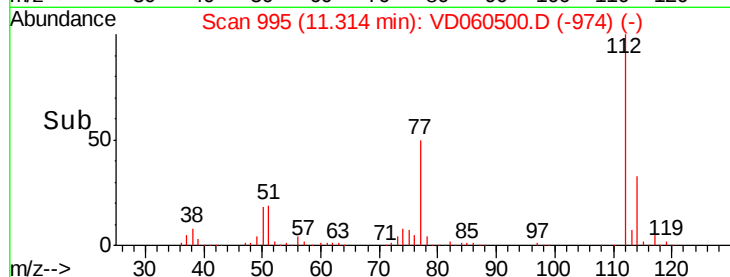
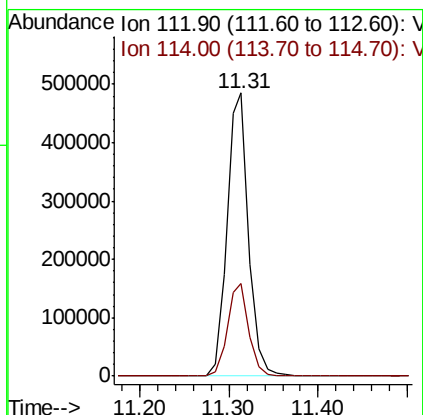
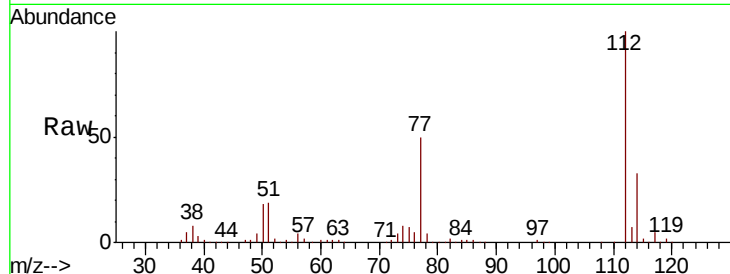




#65
Chlorobenzene
Concen: 21.385 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

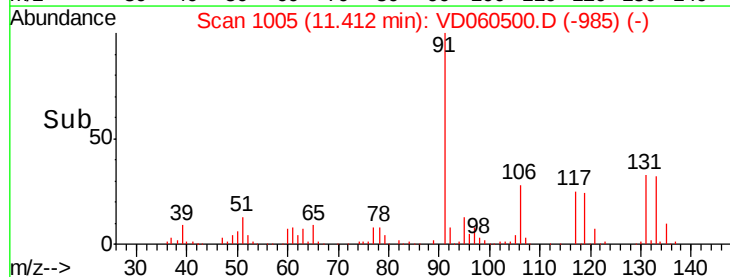
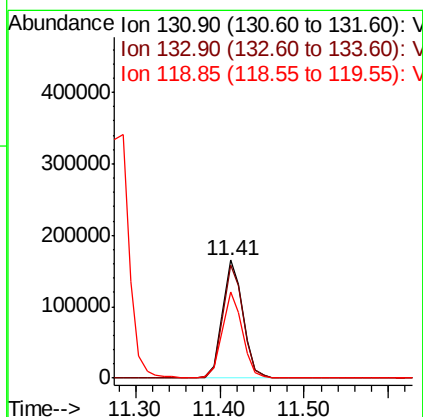
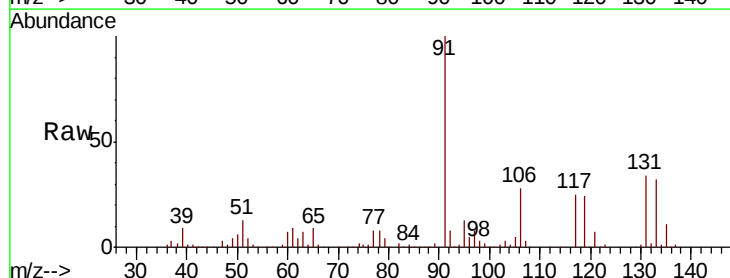
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:112 Resp: 826233
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.366 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion:131 Resp: 278534
Ion Ratio Lower Upper
131 100
133 96.2 49.1 147.3
119 72.5 37.5 112.3

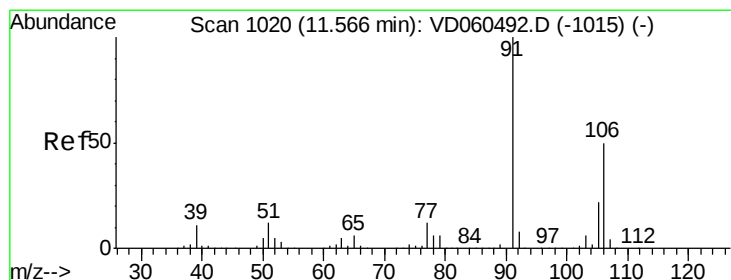
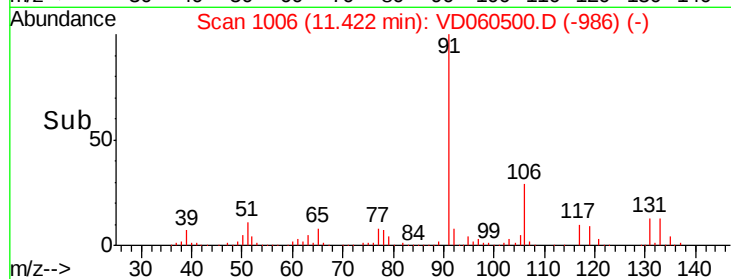
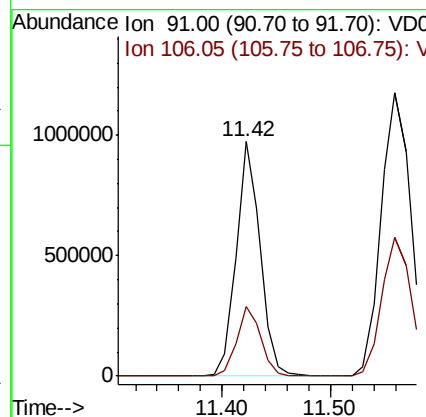
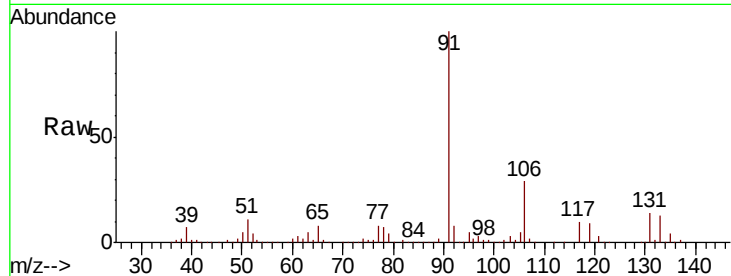




#67
Ethyl Benzene
Concen: 22.761 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

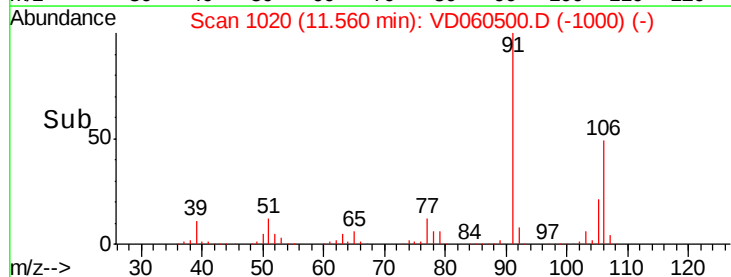
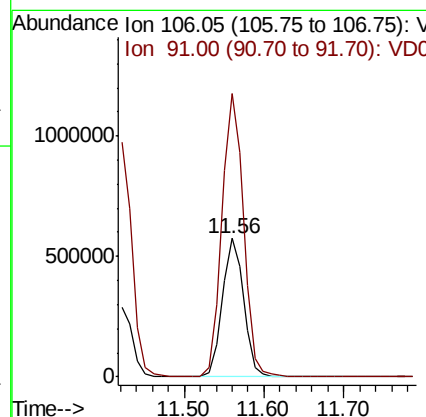
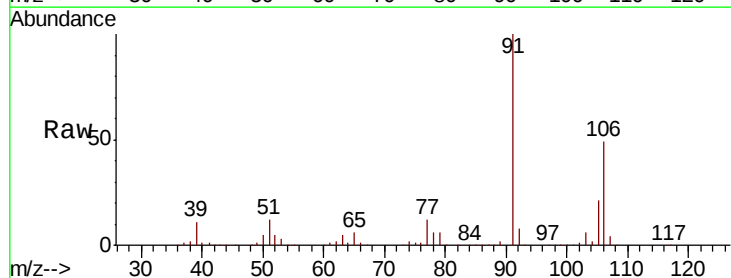
Instrument :
MSVOA_D
ClientSampled :

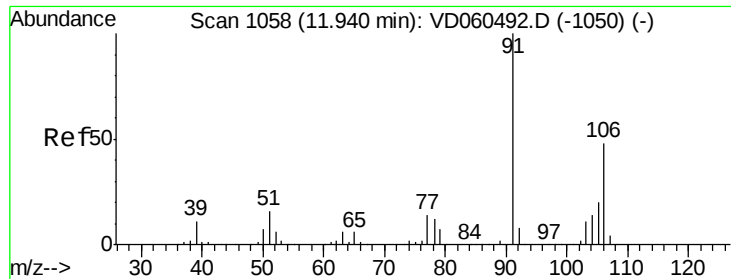
Tot Ion: 91 Resp: 1500036
Ion Ratio Lower Upper
91 100
106 29.4 24.6 37.0



#68
m/p-Xylenes
Concen: 44.461 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 106 Resp: 1084010
Ion Ratio Lower Upper
106 100
91 204.8 160.5 240.7

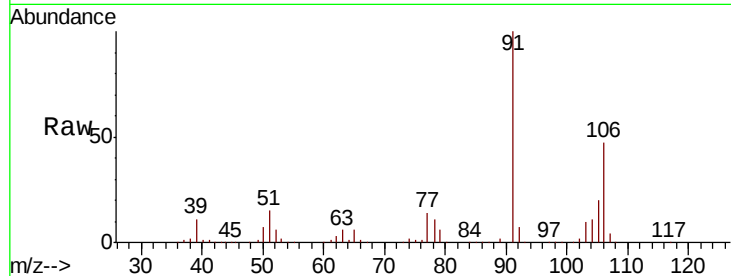




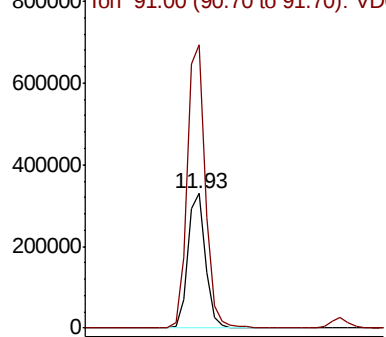
#69
o-Xylene
Concen: 22.308 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

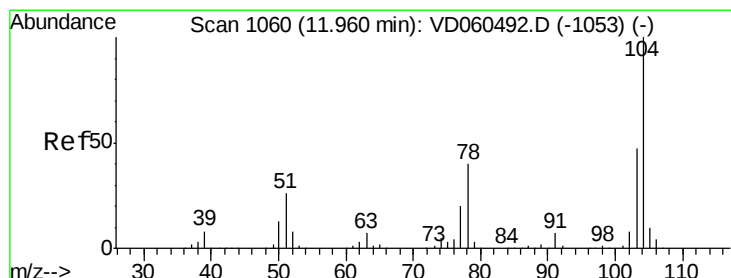
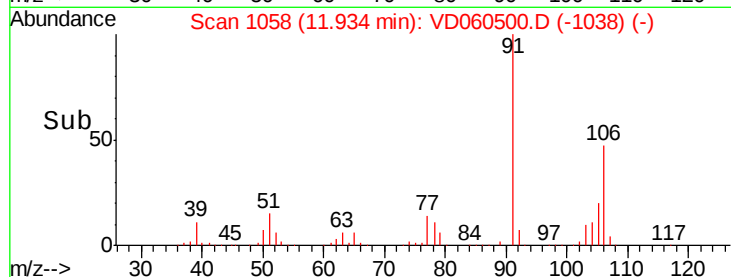
Tot Ion:106 Resp: 518330
Ion Ratio Lower Upper
106 100
91 210.7 103.4 310.1



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

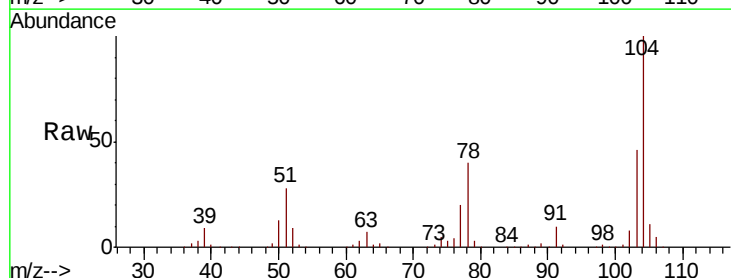


Time--> 11.80 11.90 12.00 12.10

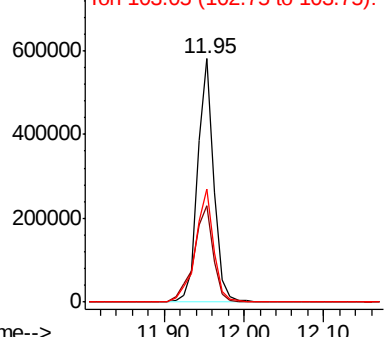


#70
Styrene
Concen: 22.254 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

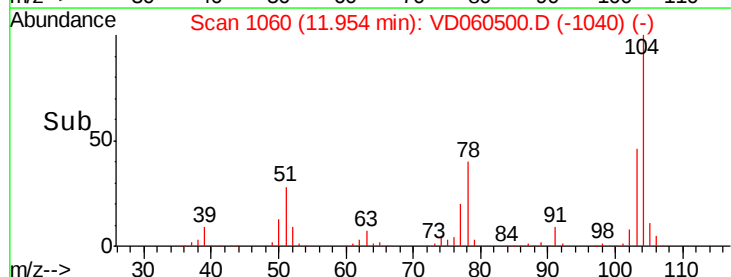
Tgt Ion:104 Resp: 829971
Ion Ratio Lower Upper
104 100
78 39.9 32.1 48.1
103 46.3 37.2 55.8

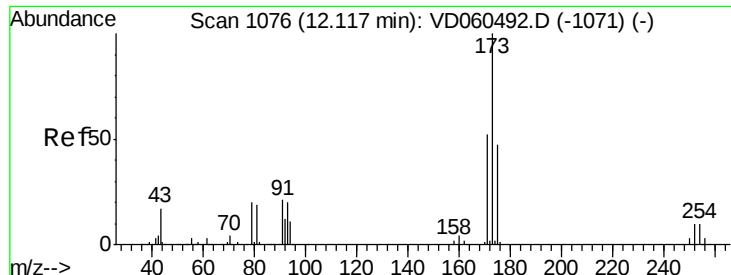


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 11.90 12.00 12.10

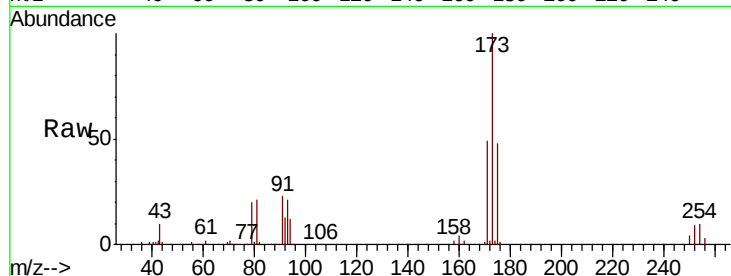




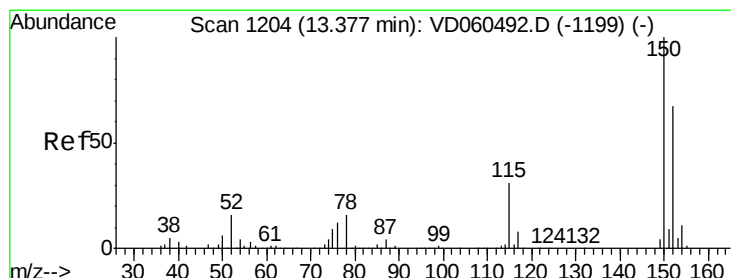
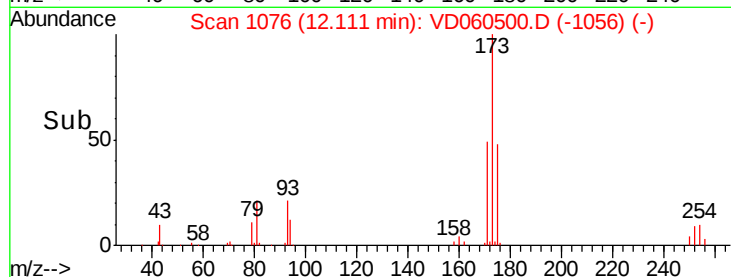
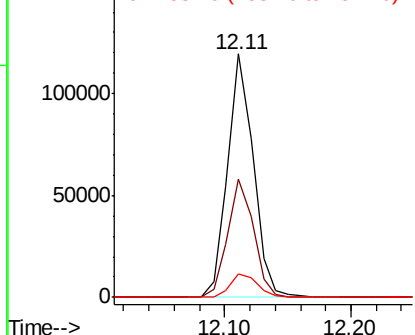
#71
Bromoform
Concen: 20.241 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 168174
Ion Ratio Lower Upper
173 100
175 48.3 23.5 70.6
254 9.6 7.8 11.8

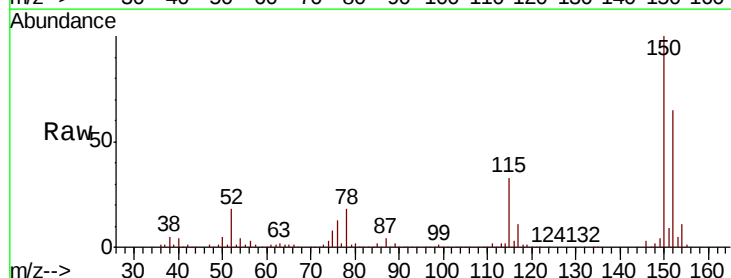


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

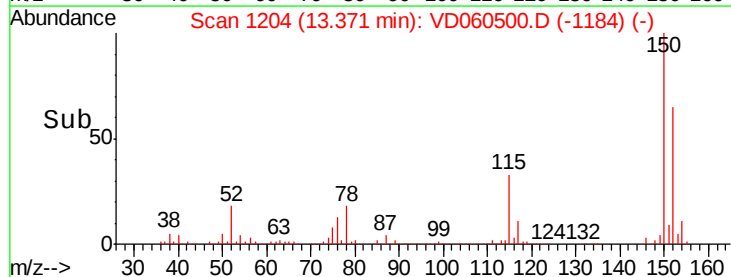
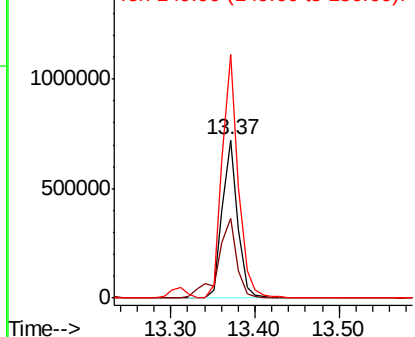


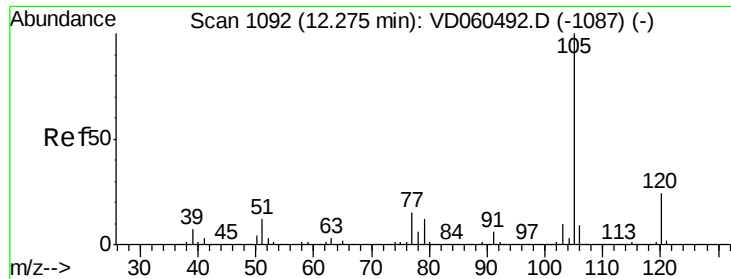
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion:152 Resp: 915063
Ion Ratio Lower Upper
152 100
115 50.6 24.6 74.0
150 154.2 0.0 309.0



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: 22.229 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

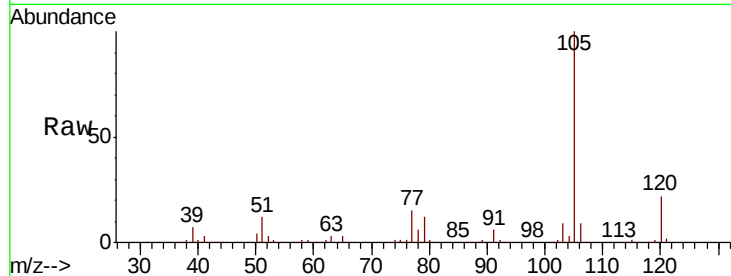
ClientSampleId :

Tot Ion:105 Resp: 1439406

Ion Ratio Lower Upper

105 100

120 22.3 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

800000

600000

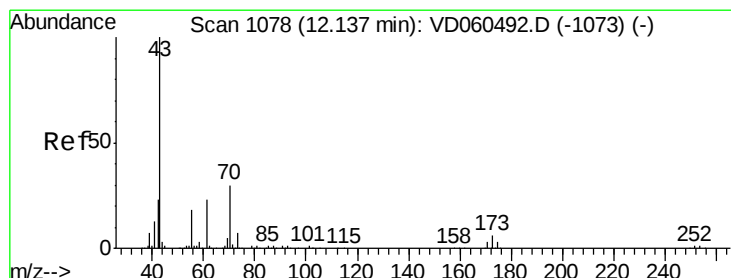
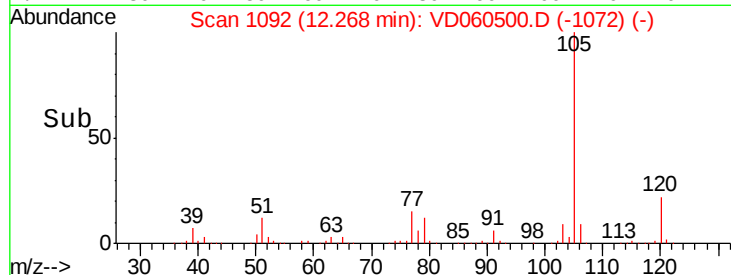
400000

200000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 20.766 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Tgt Ion: 43 Resp: 324977

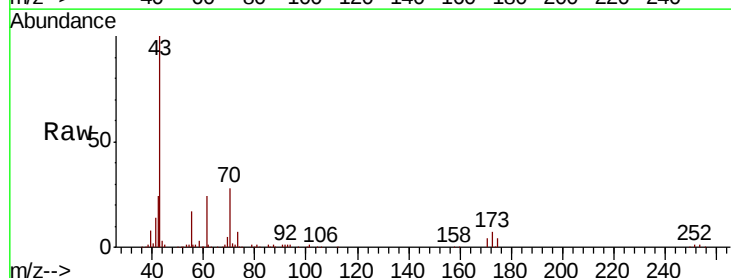
Ion Ratio Lower Upper

43 100

70 27.7 23.8 35.8

55 17.2 14.2 21.2

61 23.8 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

300000

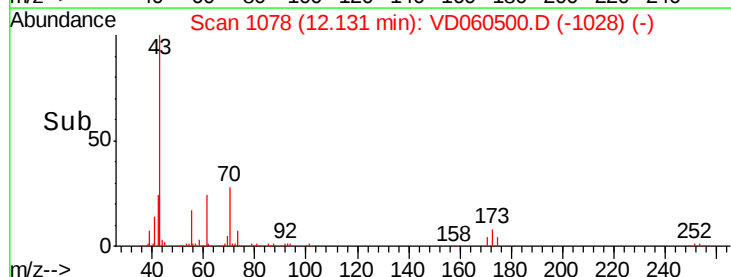
200000

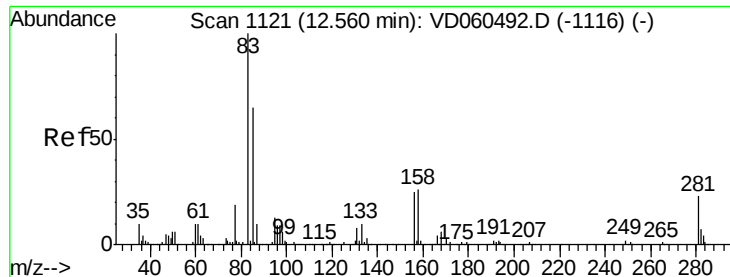
100000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 20.801 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

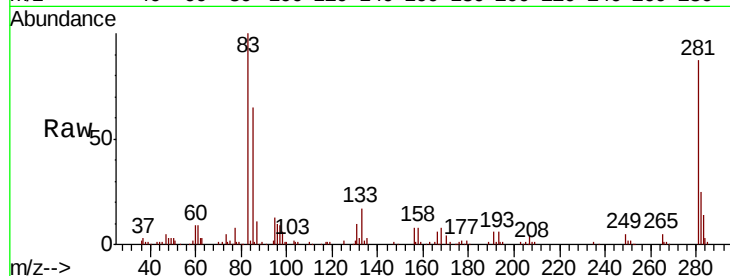
Tot Ion: 83 Resp: 215630

Ion Ratio Lower Upper

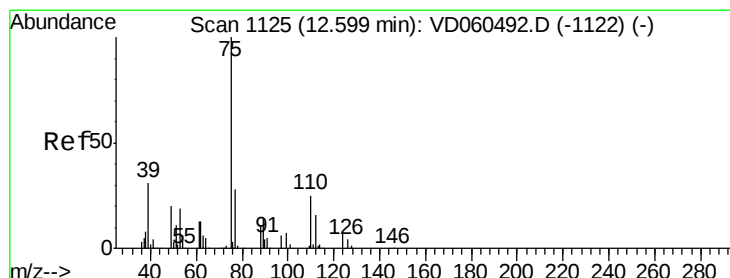
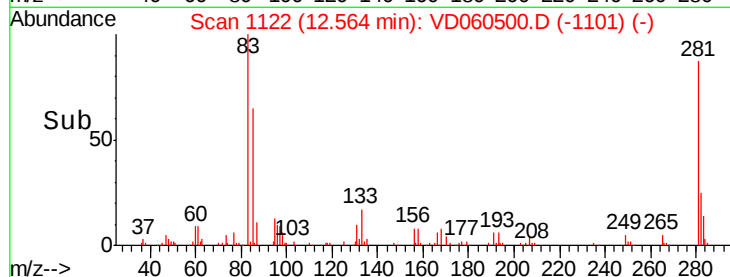
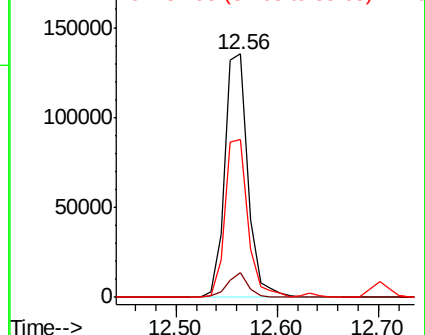
83 100

131 10.1 3.8 11.4

85 64.9 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 20.631 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060500.D

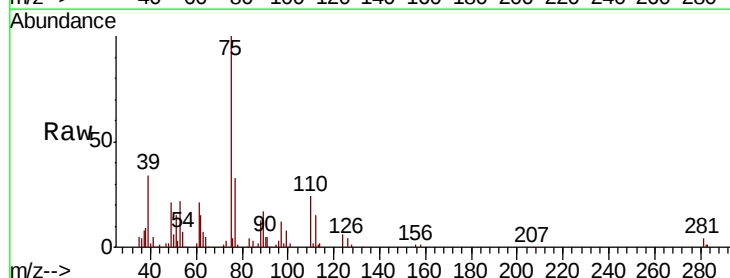
Acq: 6 Dec 2018 12:18

Tgt Ion: 75 Resp: 213902

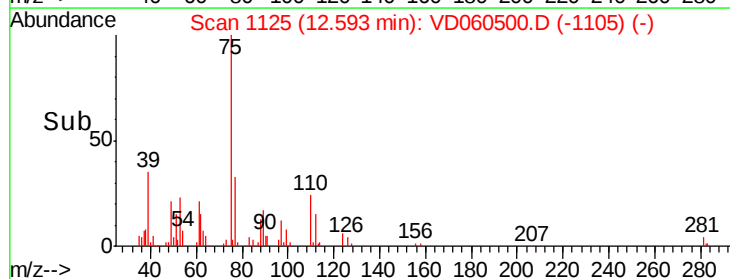
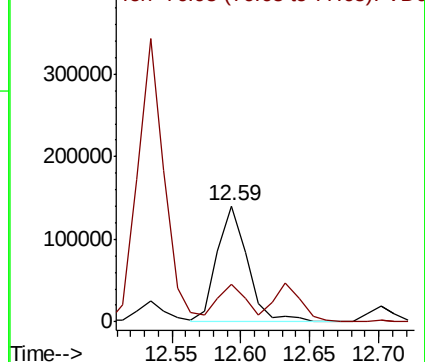
Ion Ratio Lower Upper

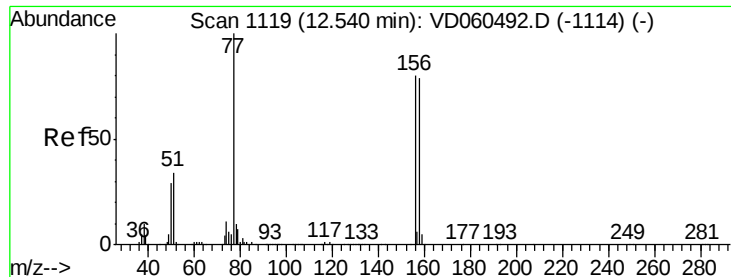
75 100

77 32.6 16.4 49.4



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





#77

Bromobenzene

Concen: 21.037 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

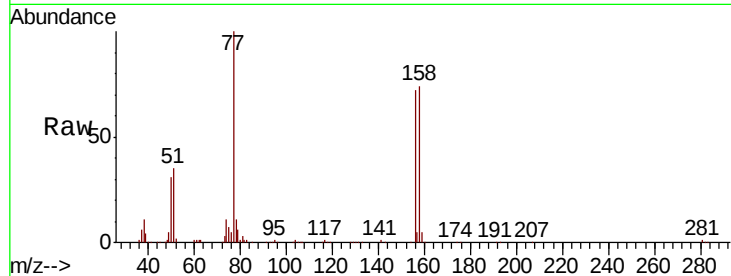
Tot Ion:156 Resp: 358060

Ion Ratio Lower Upper

156 100

77 139.3 62.5 187.6

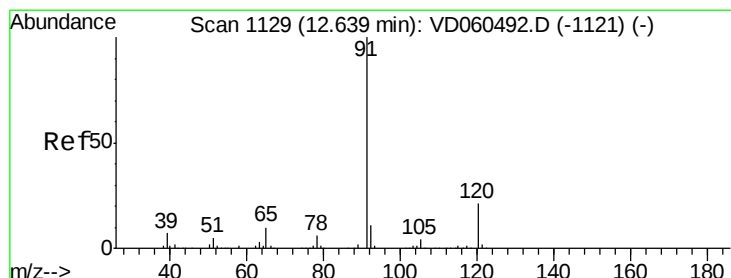
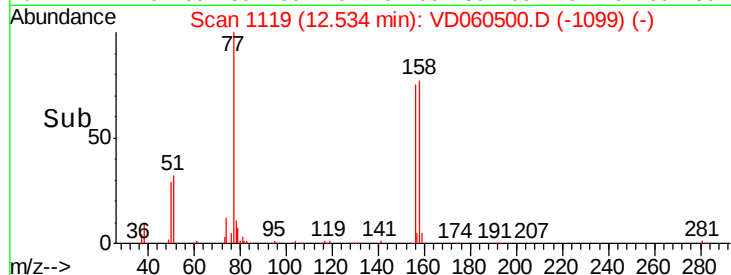
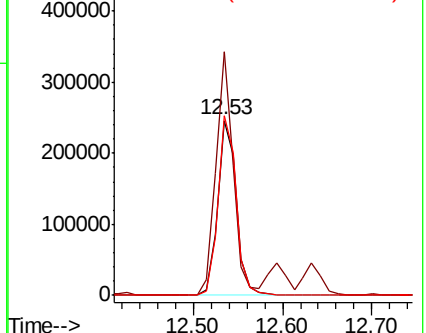
158 102.8 49.4 148.2



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: 21.829 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060500.D

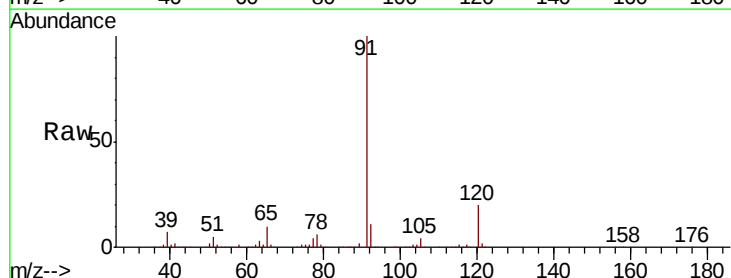
Acq: 6 Dec 2018 12:18

Tgt Ion: 91 Resp: 1786819

Ion Ratio Lower Upper

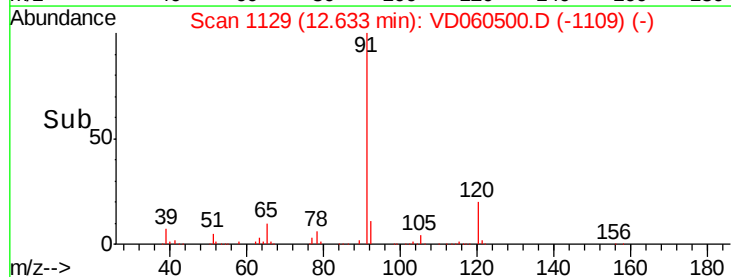
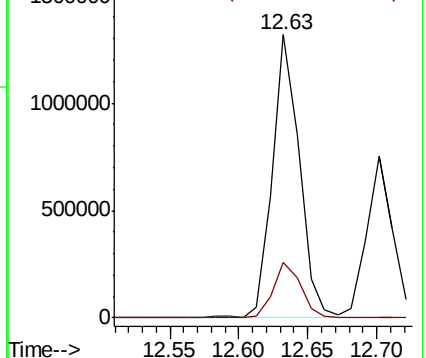
91 100

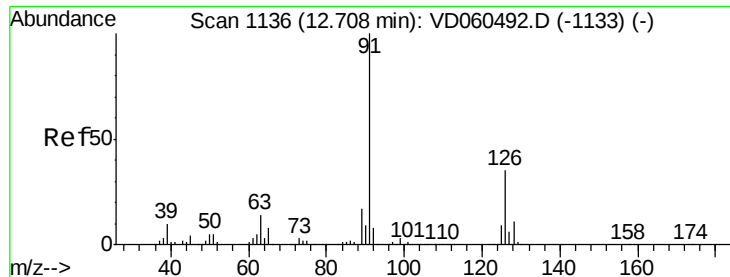
120 19.7 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.313 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

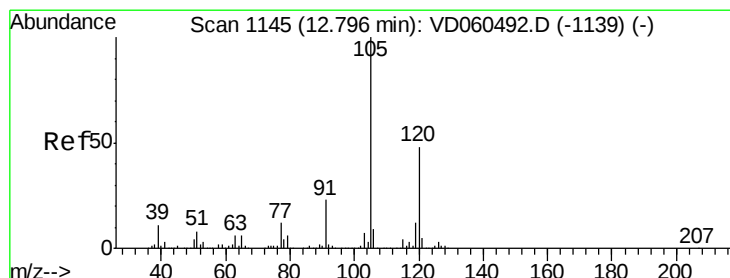
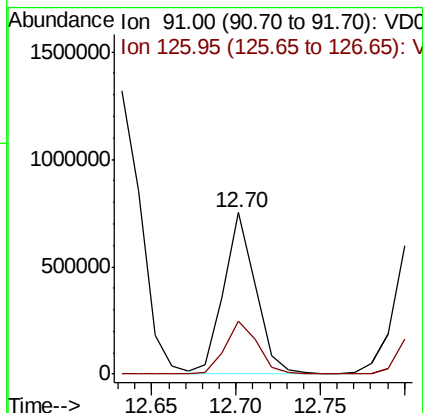
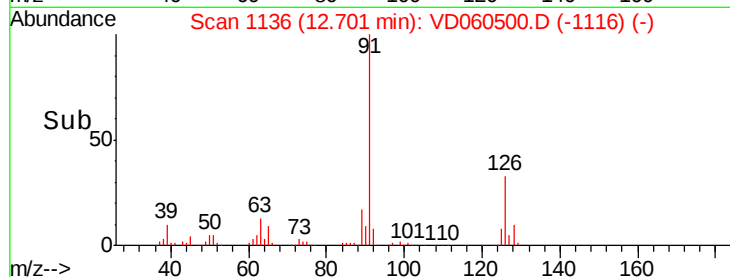
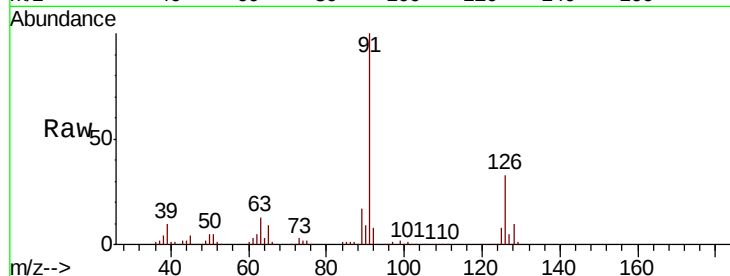
ClientSampleId :

Tot Ion: 91 Resp: 991081

Ion Ratio Lower Upper

91 100

126 32.9 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 22.280 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060500.D

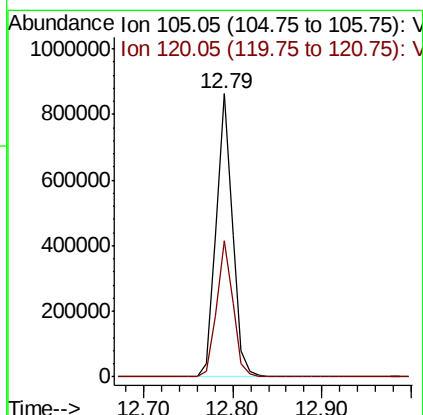
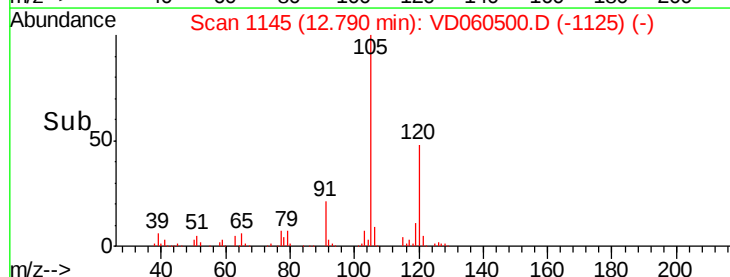
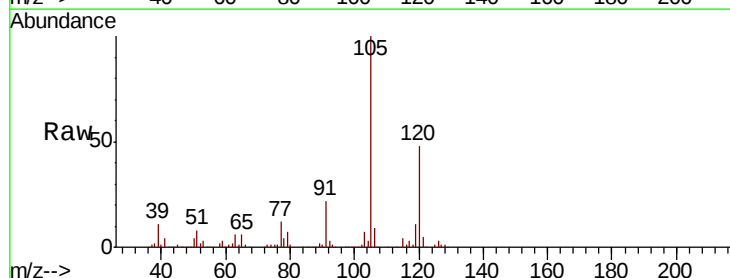
Acq: 6 Dec 2018 12:18

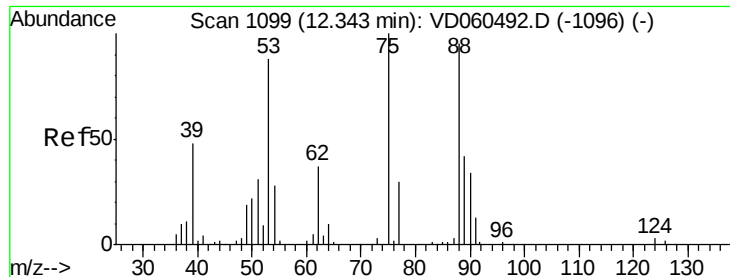
Tgt Ion:105 Resp: 1102375

Ion Ratio Lower Upper

105 100

120 48.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.494 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

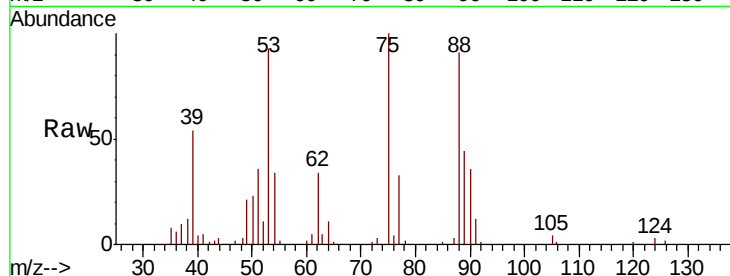
Tot Ion: 75 Resp: 59263

Ion Ratio Lower Upper

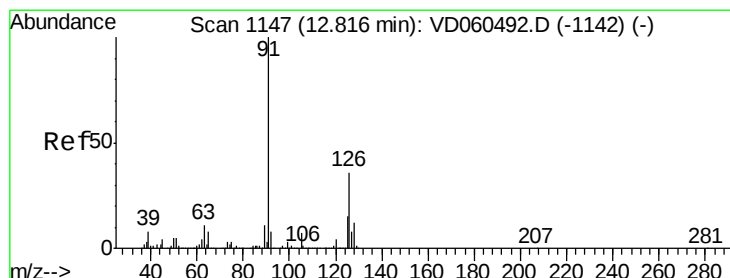
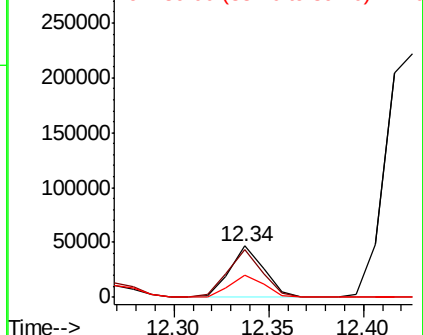
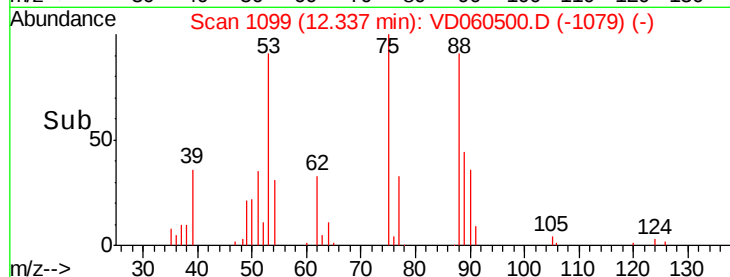
75 100

53 93.5 70.5 105.7

89 43.5 33.6 50.4



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: 21.876 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060500.D

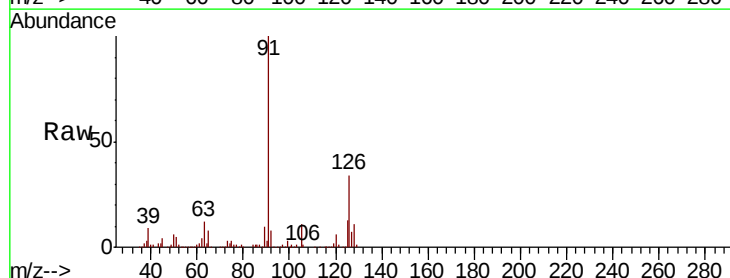
Acq: 6 Dec 2018 12:18

Tgt Ion: 91 Resp: 1091343

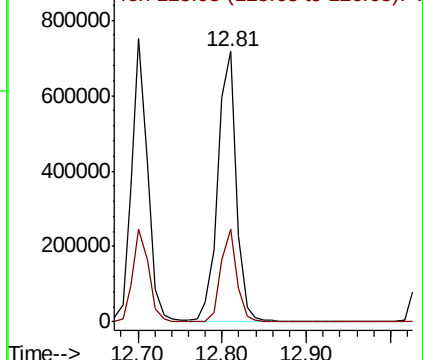
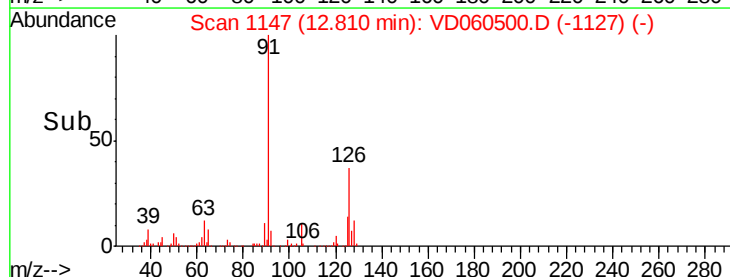
Ion Ratio Lower Upper

91 100

126 34.1 17.8 53.4



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





#83

tert-Butylbenzene

Concen: 22.867 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampled :

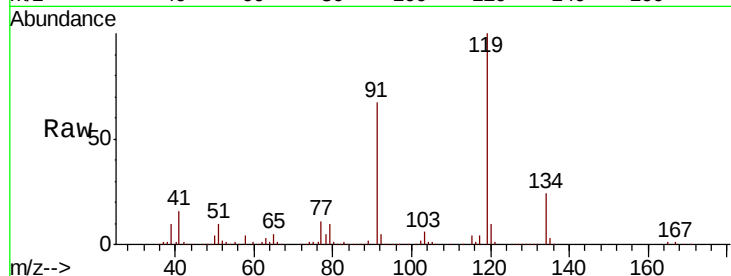
Tot Ion:119 Resp: 1268602

Ion Ratio Lower Upper

119 100

91 66.9 33.1 99.2

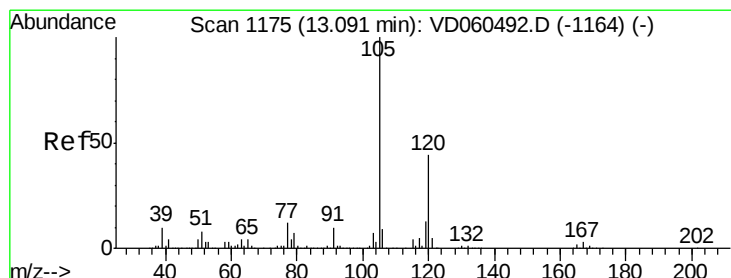
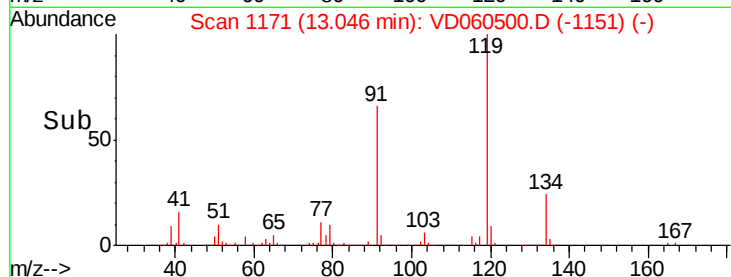
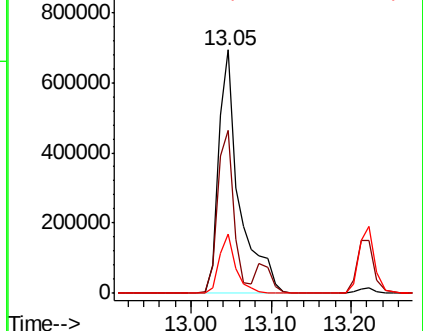
134 24.3 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.567 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD060500.D

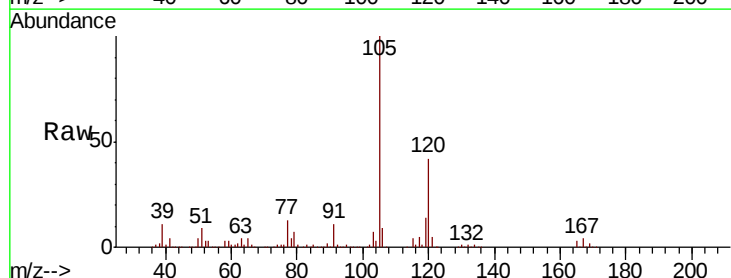
Acq: 6 Dec 2018 12:18

Tgt Ion:105 Resp: 1156159

Ion Ratio Lower Upper

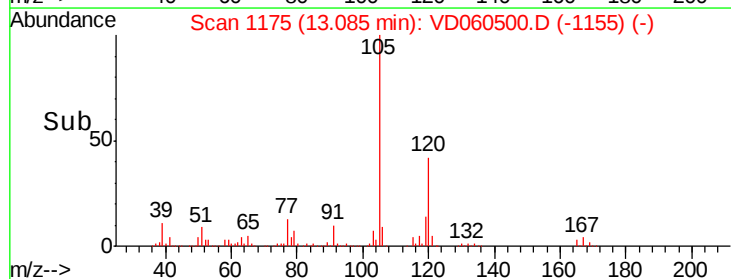
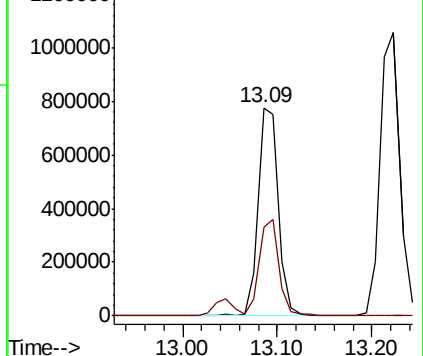
105 100

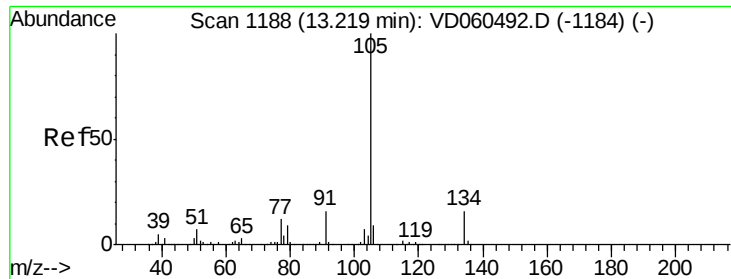
120 42.4 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

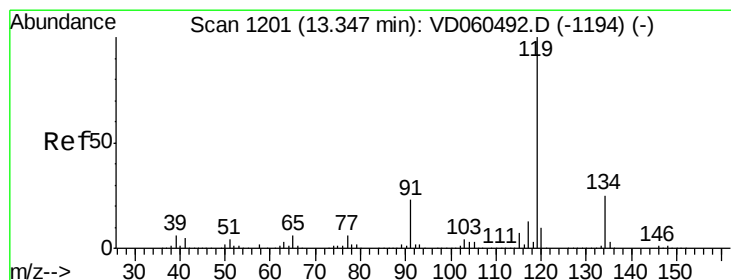
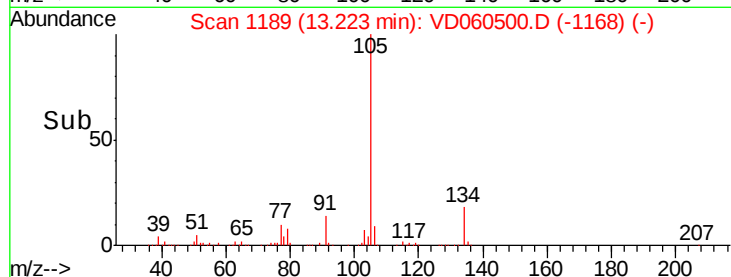
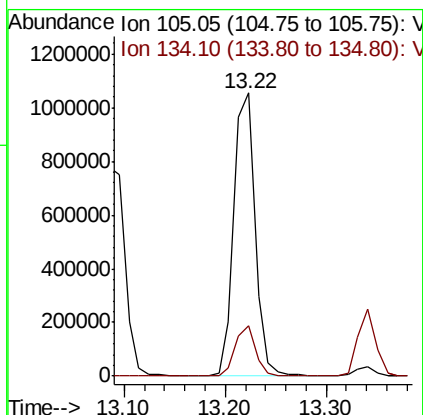
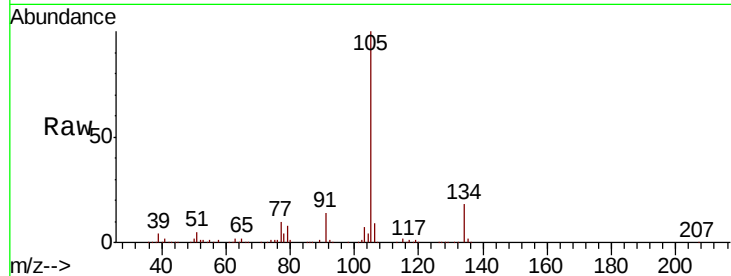




#85
 sec-Butylbenzene
 Concen: 22.178 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

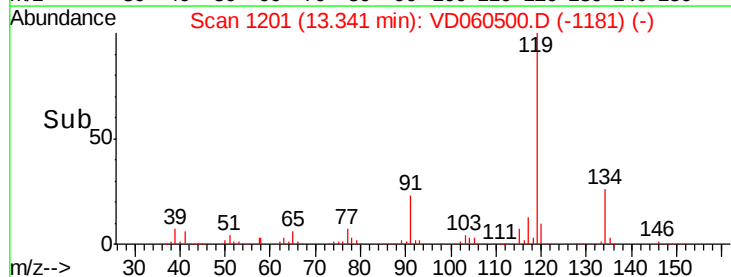
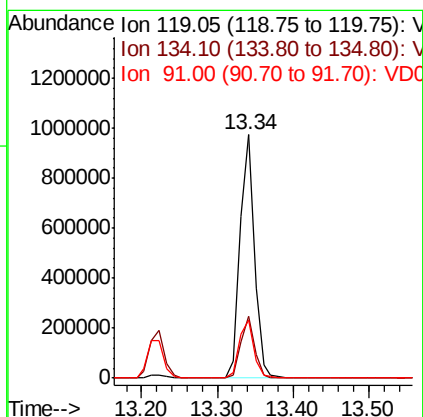
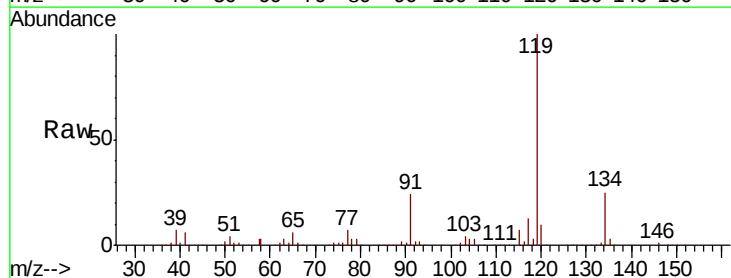
Instrument :
 MSVOA_D
 ClientSampleID :

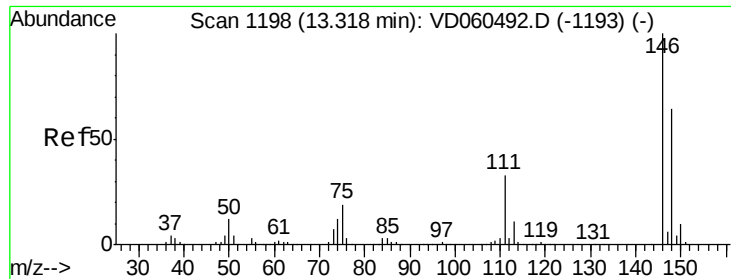
Tot Ion:105 Resp: 1533532
 Ion Ratio Lower Upper
 105 100
 134 18.0 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 22.951 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion:119 Resp: 1258000
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 23.6 11.5 34.4

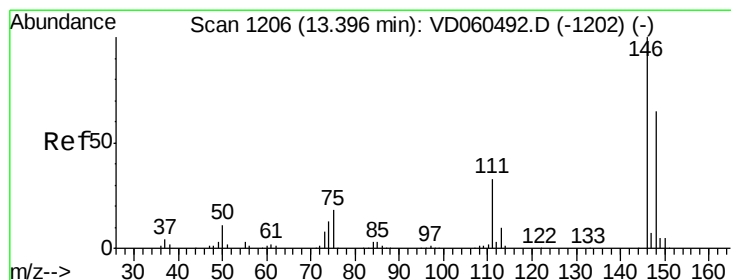
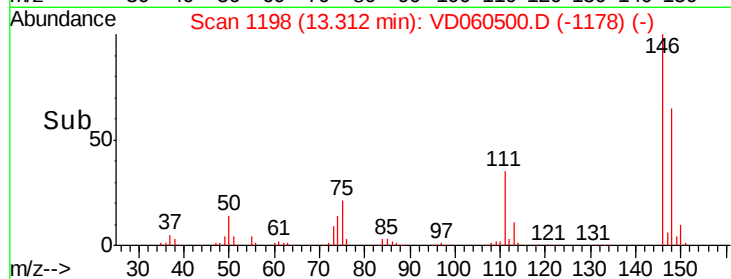
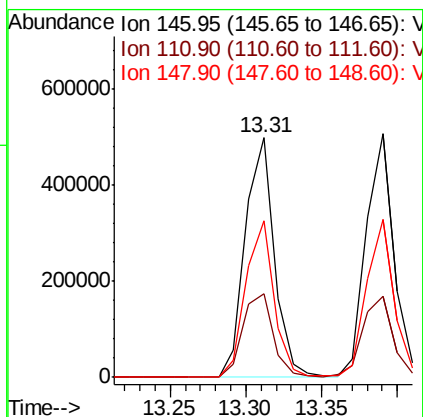
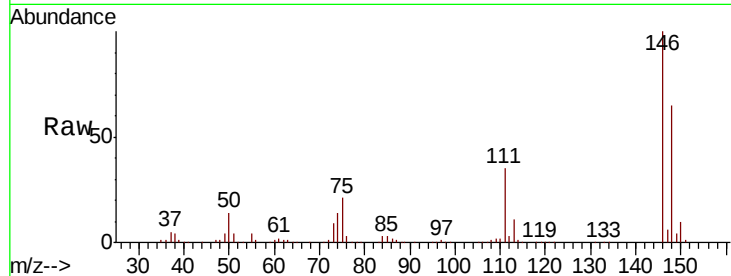




#87
 1,3-Dichlorobenzene
 Concen: 21.758 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

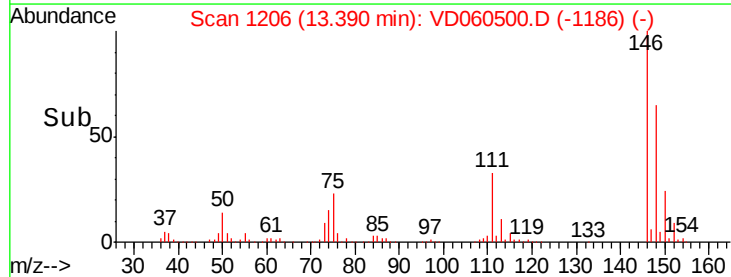
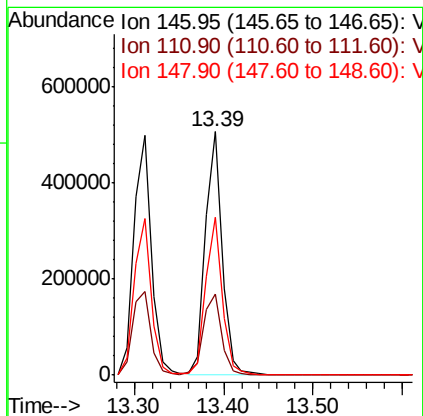
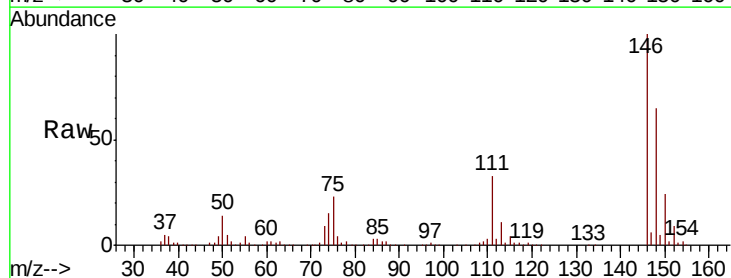
Instrument :
 MSVOA_D
 ClientSampleId :

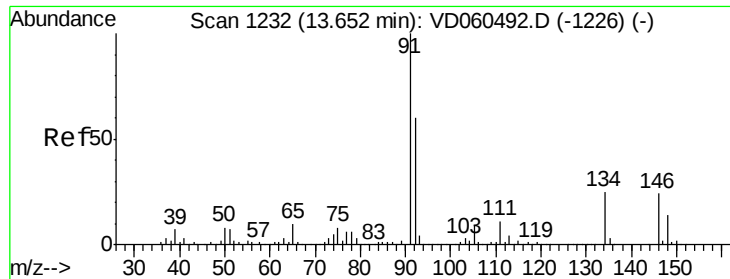
Tot Ion:146 Resp: 670542
 Ion Ratio Lower Upper
 146 100
 111 35.1 16.5 49.5
 148 65.2 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.815 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion:146 Resp: 659515
 Ion Ratio Lower Upper
 146 100
 111 33.2 16.4 49.1
 148 64.7 32.6 98.0

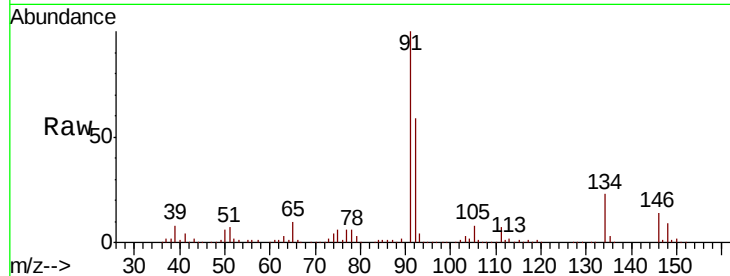




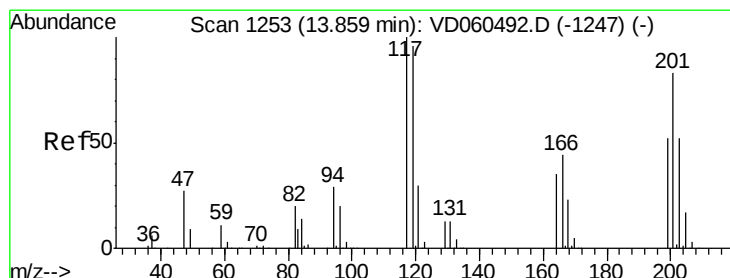
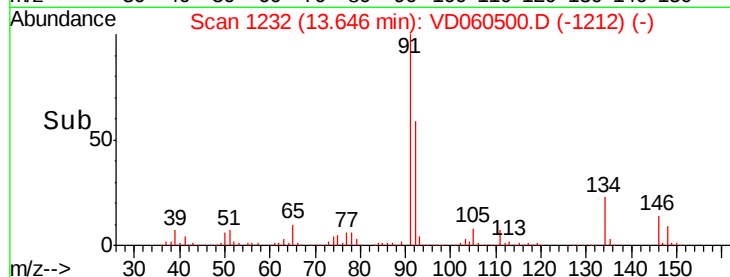
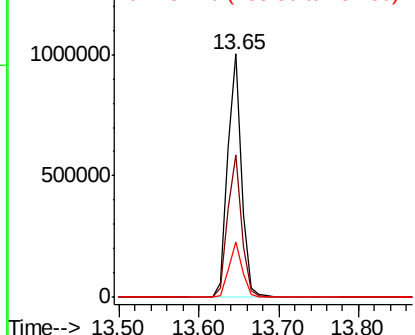
#89
n-Butylbenzene
Concen: 20.212 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 1232854
Ion Ratio Lower Upper
91 100
92 58.7 30.0 90.1
134 23.0 12.5 37.5

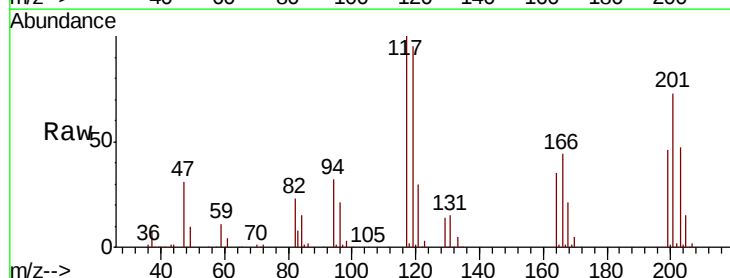


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

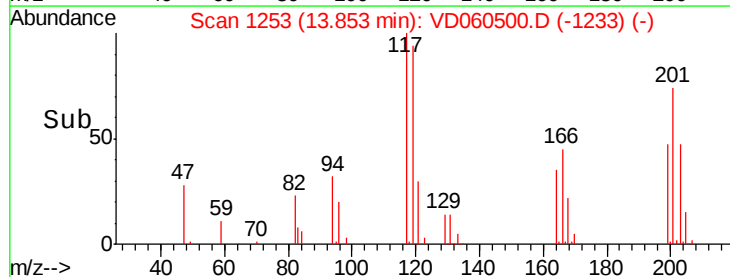
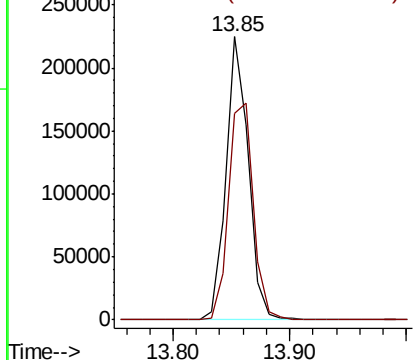


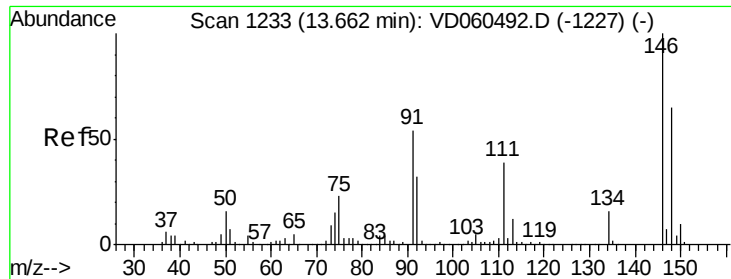
#90
Hexachloroethane
Concen: 21.609 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 117 Resp: 296971
Ion Ratio Lower Upper
117 100
201 73.0 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 20.882 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

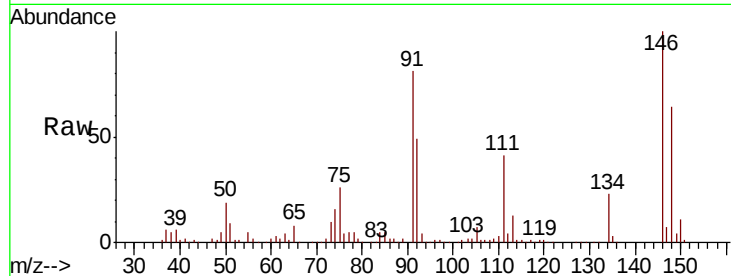
Tot Ion:146 Resp: 525917

Ion Ratio Lower Upper

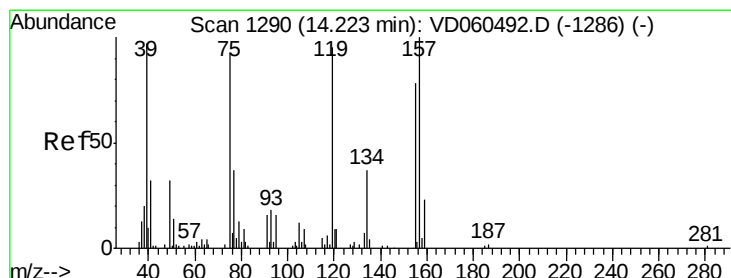
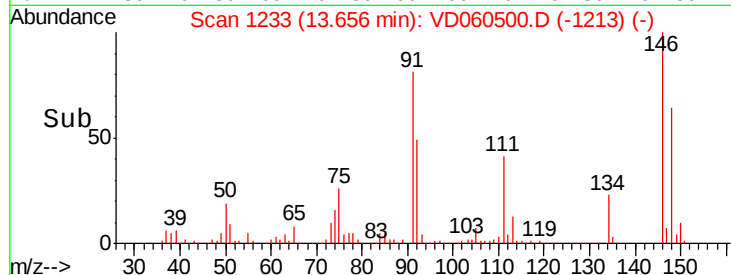
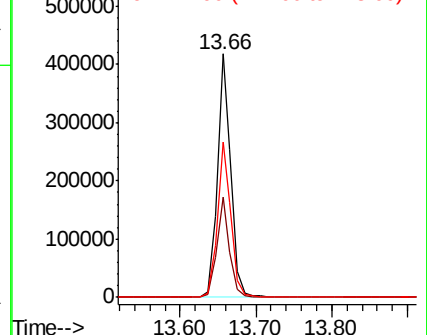
146 100

111 41.0 19.3 57.8

148 63.7 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.527 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

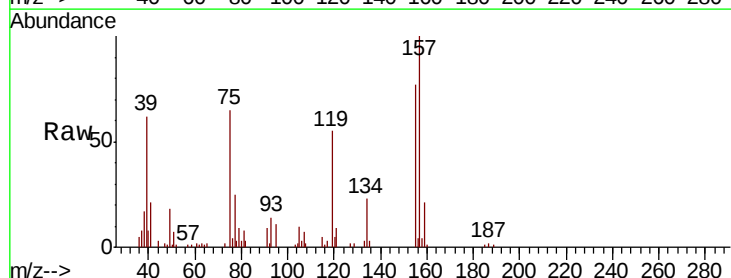
Tgt Ion: 75 Resp: 24528

Ion Ratio Lower Upper

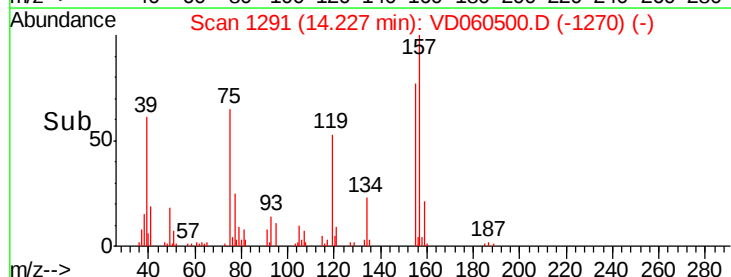
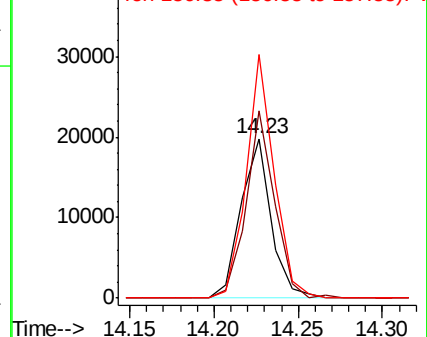
75 100

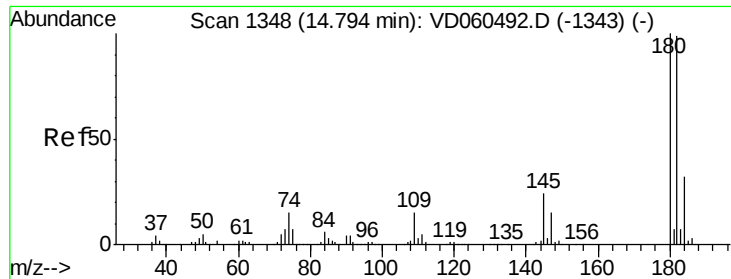
155 117.7 41.6 124.9

157 152.8 53.6 160.8



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 154.90 (154.60 to 155.60): V
Ion 156.85 (156.55 to 157.55): V

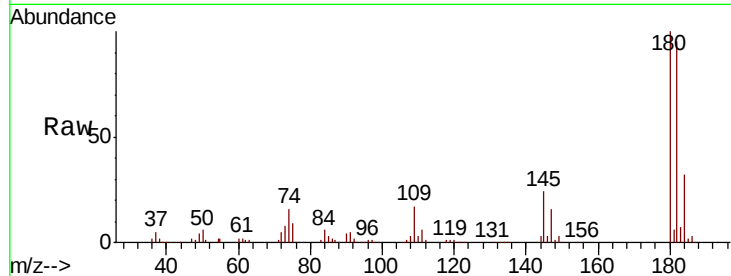




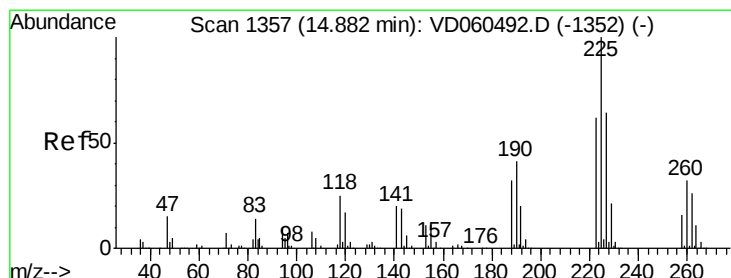
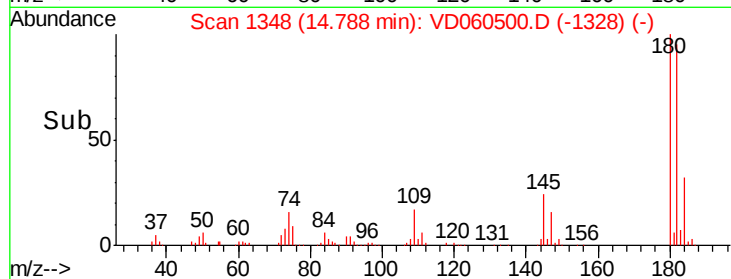
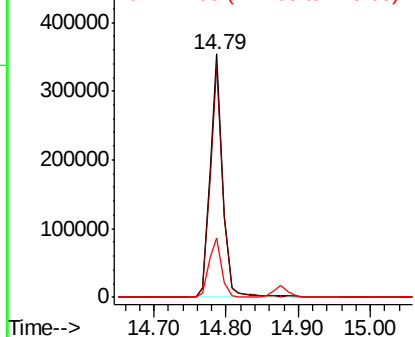
#93
 1,2,4-Trichlorobenzene
 Concen: 21.438 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 422065
 Ion Ratio Lower Upper
 180 100
 182 95.1 49.4 148.0
 145 24.2 11.9 35.9

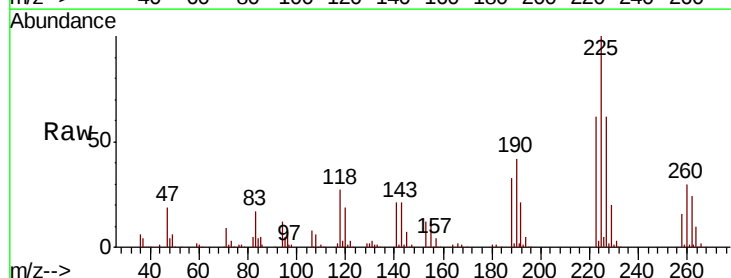


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

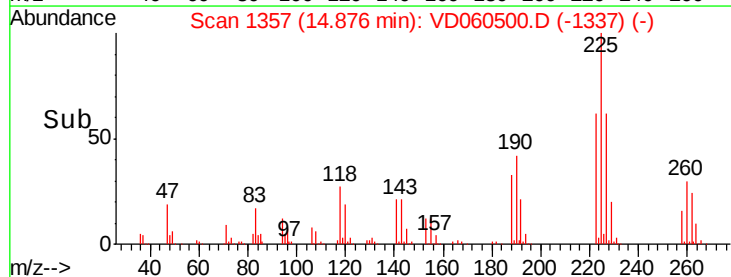
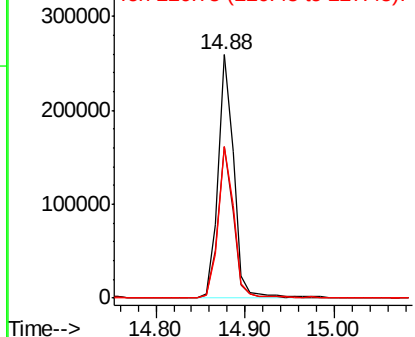


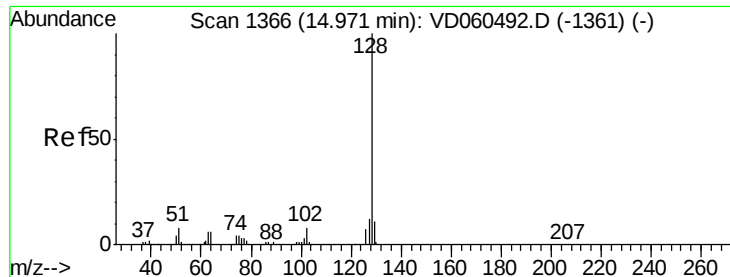
#94
 Hexachlorobutadiene
 Concen: 22.218 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion:225 Resp: 322732
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.2 93.6
 227 62.2 32.0 96.0



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





#95

Naphthalene

Concen: 20.195 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampled :

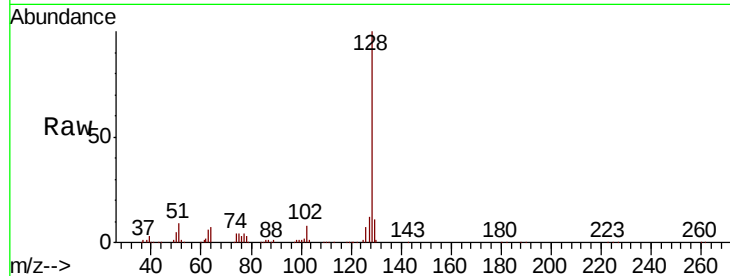
Tot Ion:128 Resp: 473007

Ion Ratio Lower Upper

128 100

127 11.7 9.8 14.8

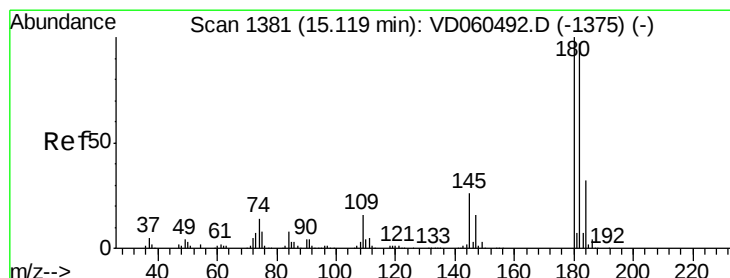
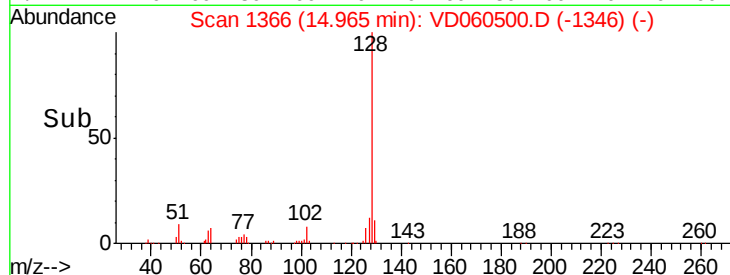
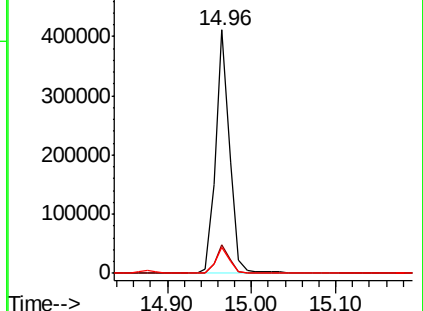
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.995 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

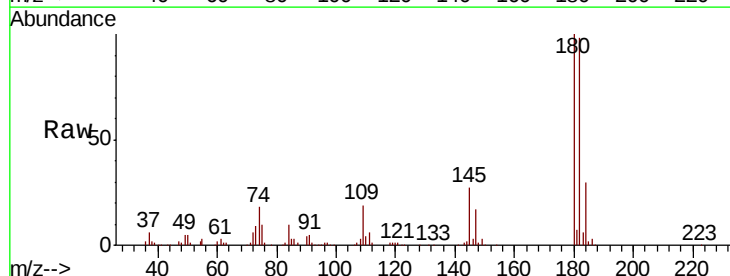
Tgt Ion:180 Resp: 329355

Ion Ratio Lower Upper

180 100

182 97.7 48.5 145.5

145 26.9 12.9 38.7



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

