

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061223.D
 Acq On : 20 Mar 2019 23:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:04:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	570842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	998103	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	803856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	316095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	234146	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	6.91	113	391356	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
50) Toluene-d8	10.40	98	882385	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	13.55	95	358105	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	241143	42.646	ug/l	100
3) Chloromethane	1.75	50	212374	45.086	ug/l	97
4) Vinyl Chloride	1.84	62	196362	45.114	ug/l	95
5) Bromomethane	2.15	94	41896	55.494	ug/l	96
6) Chloroethane	2.26	64	69726	53.520	ug/l	92
7) Trichlorofluoromethane	2.52	101	270699	43.293	ug/l	99
8) Diethyl Ether	2.87	74	118522	57.459	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	338698	48.451	ug/l	95
10) Methyl Iodide	3.30	142	491856	51.028	ug/l	98
11) Tert butyl alcohol	4.04	59	86699	286.612	ug/l	98
12) 1,1-Dichloroethene	3.12	96	274193	47.851	ug/l	92
13) Acrolein	3.03	56	126313	288.594	ug/l	95
14) Allyl chloride	3.61	41	426788	46.551	ug/l	94
15) Acrylonitrile	4.18	53	305897	286.121	ug/l	96
16) Acetone	3.21	43	306767	225.769	ug/l	100
17) Carbon Disulfide	3.37	76	824174	42.638	ug/l	100
18) Methyl Acetate	3.63	43	178724	66.837	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	616621	61.404	ug/l	96
20) Methylene Chloride	3.80	84	322526	52.271	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	321573	51.849	ug/l	95
22) Diisopropyl ether	5.10	45	960718	50.479	ug/l	99
23) Vinyl Acetate	5.04	43	2510088	256.917	ug/l	100
24) 1,1-Dichloroethane	4.97	63	555938	53.313	ug/l	99
25) 2-Butanone	6.06	43	422508	274.032	ug/l	99
26) 2,2-Dichloropropane	6.01	77	405120	49.766	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	357919	54.392	ug/l	99
28) Bromochloromethane	6.42	49	251865	57.054	ug/l	96
29) Tetrahydrofuran	6.44	42	227394	271.610	ug/l	94
30) Chloroform	6.65	83	584331	54.067	ug/l	98
31) Cyclohexane	6.94	56	379832	45.174	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	475081	50.846	ug/l	96
36) 1,1-Dichloropropene	7.13	75	388329	45.136	ug/l	98
37) Ethyl Acetate	6.17	43	193507	47.930	ug/l	99
38) Carbon Tetrachloride	7.10	117	496515	52.391	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	414703	46.485	ug/l	99
40) Benzene	7.45	78	972500	45.237	ug/l	98
41) Methacrylonitrile	6.43	41	251404	54.137	ug/l	97
42) 1,2-Dichloroethane	7.56	62	341882	54.801	ug/l	99
43) Isopropyl Acetate	9.23	43	291417	52.115	ug/l #	96
44) Trichloroethene	8.53	130	395620	53.342	ug/l	97
45) 1,2-Dichloropropane	8.92	63	284912	50.445	ug/l	98
46) Dibromomethane	9.05	93	190862	53.274	ug/l	97
47) Bromodichloromethane	9.37	83	431973	53.431	ug/l	98
48) Methyl methacrylate	9.11	41	173832	55.213	ug/l	94
49) 1,4-Dioxane	9.07	88	34655	1088.545	ug/l #	94
51) 4-Methyl-2-Pentanone	10.29	43	887789	259.155	ug/l	98
52) Toluene	10.50	92	630708	47.179	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	401850	54.359	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	467230	52.603	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	226029	50.771	ug/l	96
56) Ethyl methacrylate	11.03	69	234288	50.278	ug/l	98
57) 1,3-Dichloropropane	11.39	76	358920	53.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	610064	247.332	ug/l	98
59) 2-Hexanone	11.52	43	659151	263.041	ug/l	96
60) Dibromochloromethane	11.68	129	378269	57.734	ug/l	98
61) 1,2-Dibromoethane	11.80	107	261460	50.486	ug/l	99
64) Tetrachloroethene	11.25	164	284462	52.422	ug/l	98
65) Chlorobenzene	12.39	112	835626	53.025	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	324249	57.723	ug/l	98
67) Ethyl Benzene	12.52	91	1182343	50.396	ug/l	99
68) m/p-Xylenes	12.66	106	963330	104.615	ug/l	97
69) o-Xylene	13.04	106	468279	51.735	ug/l	91
70) Styrene	13.07	104	731353	49.482	ug/l	100
71) Bromoform	13.23	173	212594	58.666	ug/l #	99
73) Isopropylbenzene	13.39	105	1303133	57.205	ug/l	99
74) N-amyl acetate	13.25	43	314805	49.078	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	277121	62.350	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	273782	60.204	ug/l	100
77) Bromobenzene	13.67	156	345013	59.330	ug/l	94
78) n-propylbenzene	13.77	91	1457618	54.656	ug/l	97
79) 2-Chlorotoluene	13.84	91	808157	55.043	ug/l	93
80) 1,3,5-Trimethylbenzene	14.23	105	1005801	58.159	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	81722	60.954	ug/l	96
82) 4-Chlorotoluene	13.94	91	860046	49.550	ug/l	94
83) tert-Butylbenzene	14.18	119	1197311	63.262	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1005801	58.159	ug/l	99
85) sec-Butylbenzene	14.37	105	1257256	54.414	ug/l	98
86) p-Isopropyltoluene	14.49	119	1098805	58.180	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	615497	59.275	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	550485	53.948	ug/l	99
89) n-Butylbenzene	14.79	91	966406	53.284	ug/l	98
90) Hexachloroethane	15.00	117	302243	56.675	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	557157	64.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	35566	66.405	ug/l	71

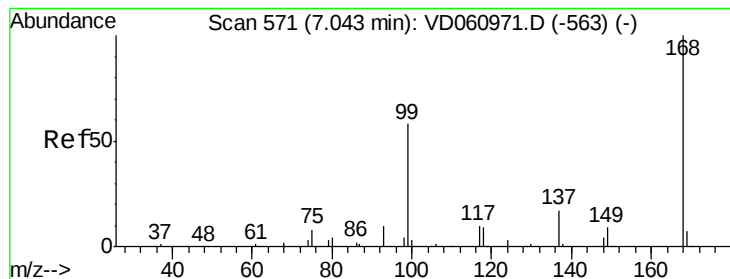
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	247939	61.741	ug/l	99
94) Hexachlorobutadiene	16.03	225	176193	58.006	ug/l	98
95) Naphthalene	16.12	128	441226	72.303	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	120188	60.597	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

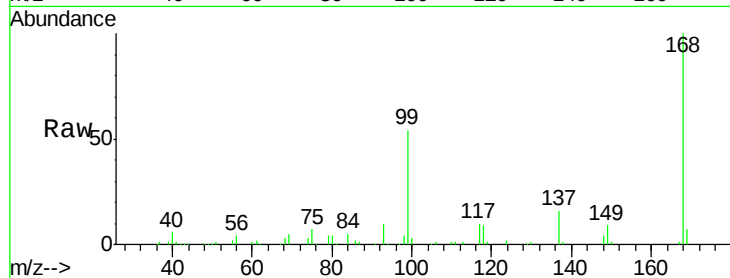
ClientSampled :

Tot Ion:168 Resp: 570842

Ion Ratio Lower Upper

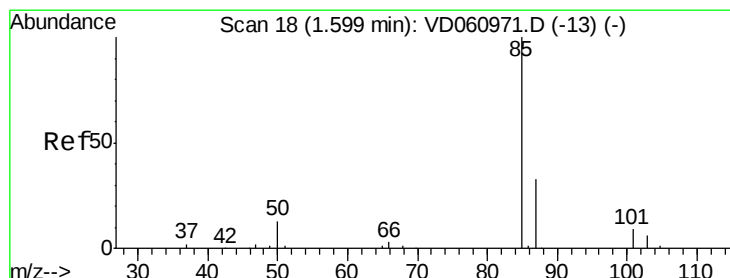
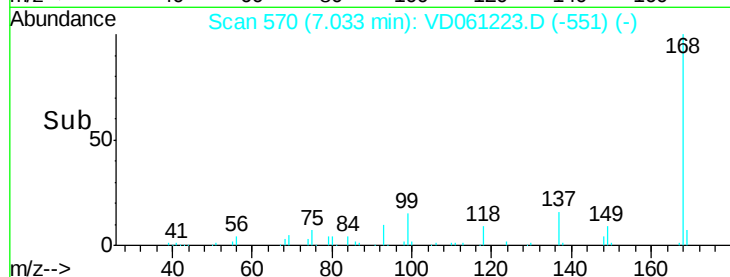
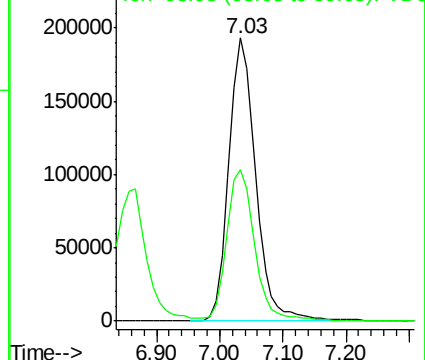
168 100

99 53.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 42.646 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.03 min

Lab File: VD061223.D

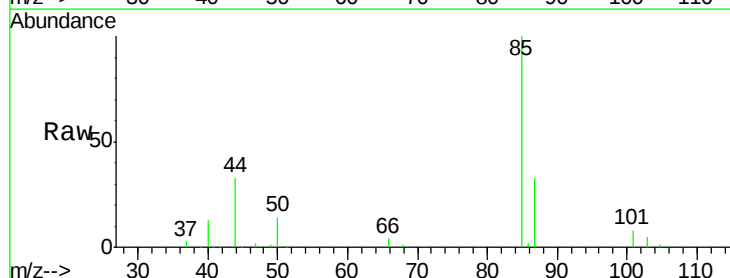
Acq: 20 Mar 2019 23:34

Tgt Ion: 85 Resp: 241143

Ion Ratio Lower Upper

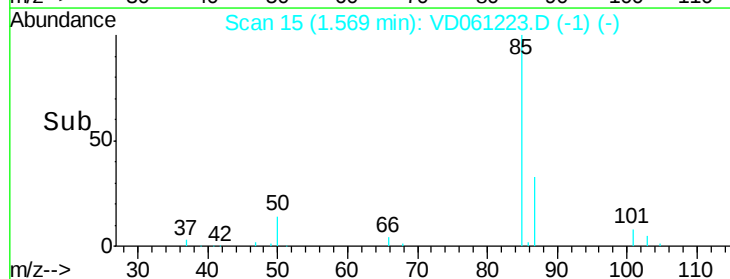
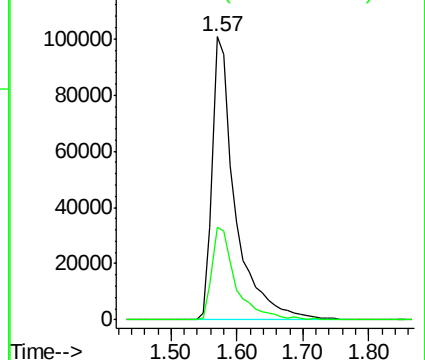
85 100

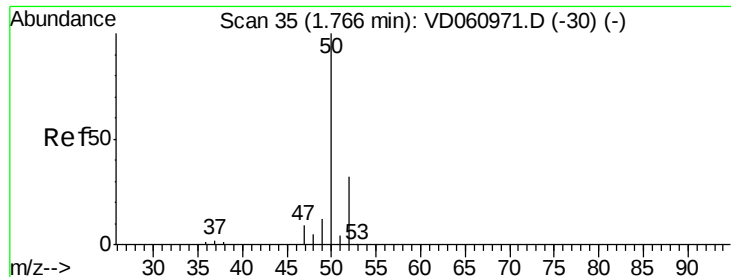
87 32.8 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.086 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.02 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

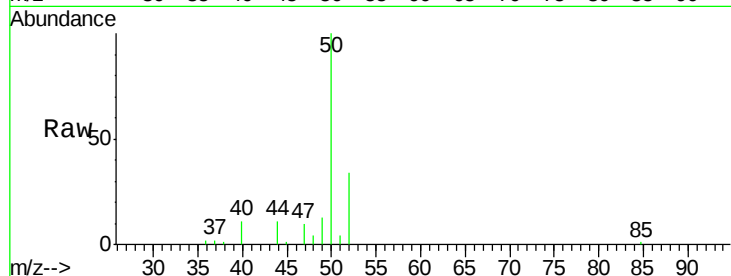
ClientSampleId :

Tot Ion: 50 Resp: 212374

Ion Ratio Lower Upper

50 100

52 34.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

80000

60000

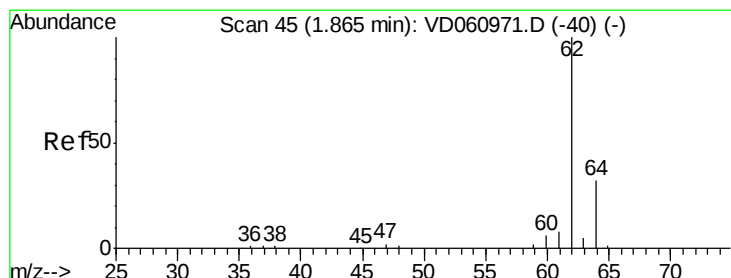
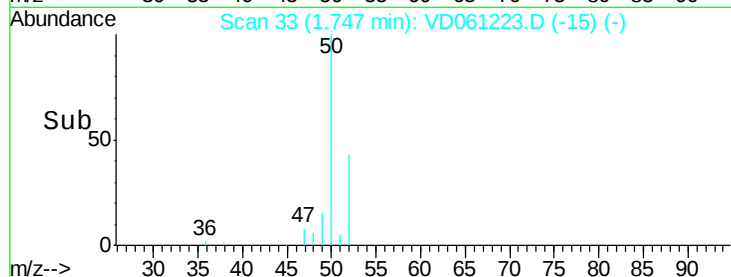
40000

20000

0

Time-->

1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 45.114 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.02 min

Lab File: VD061223.D

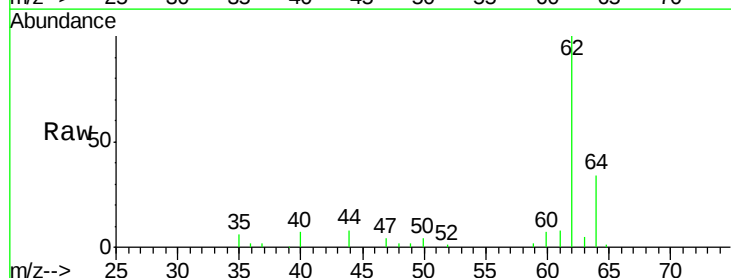
Acq: 20 Mar 2019 23:34

Tgt Ion: 62 Resp: 196362

Ion Ratio Lower Upper

62 100

64 34.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

100000

80000

60000

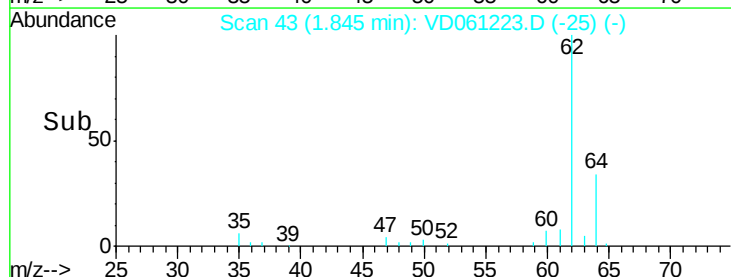
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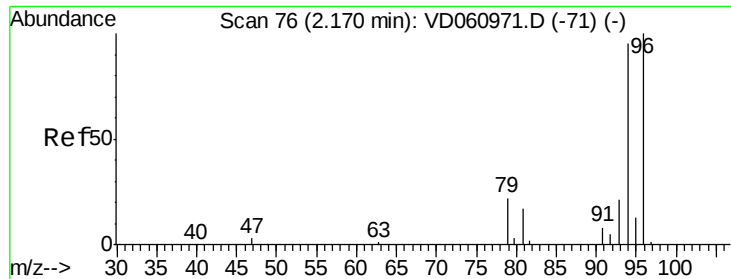
20000

0

Time-->

1.70 1.80 1.90 2.00 2.10





#5

Bromomethane

Concen: 55.494 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampled :

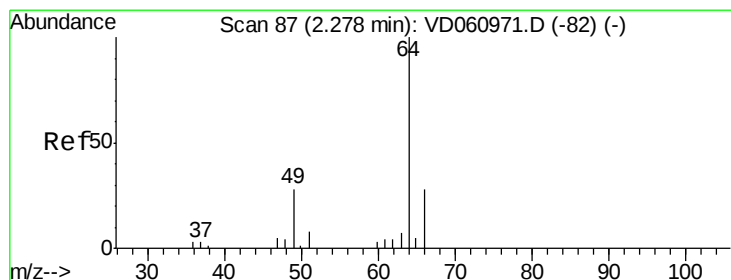
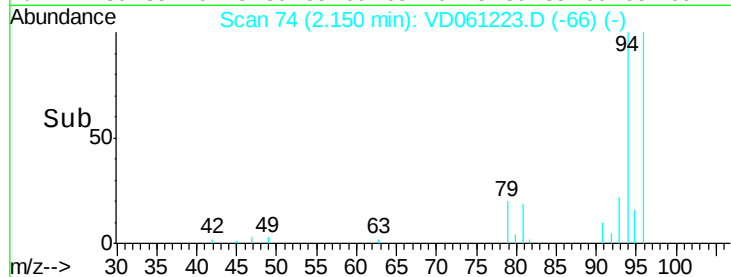
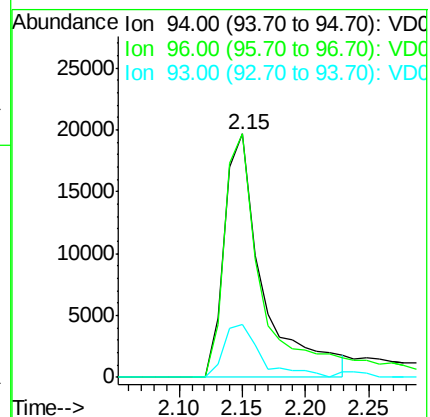
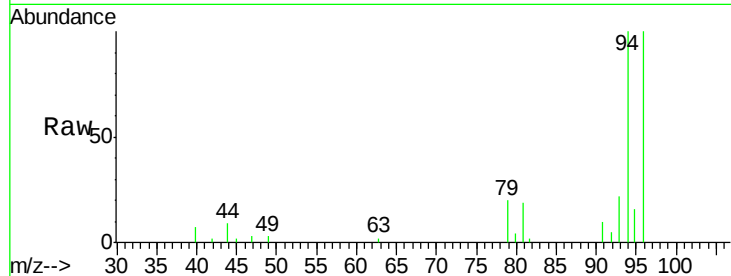
Tot Ion: 94 Resp: 41896

Ion Ratio Lower Upper

94 100

96 100.0 84.0 126.0

93 21.8 17.3 25.9



#6

Chloroethane

Concen: 53.520 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061223.D

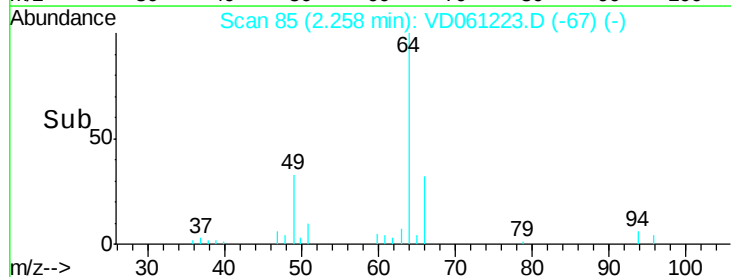
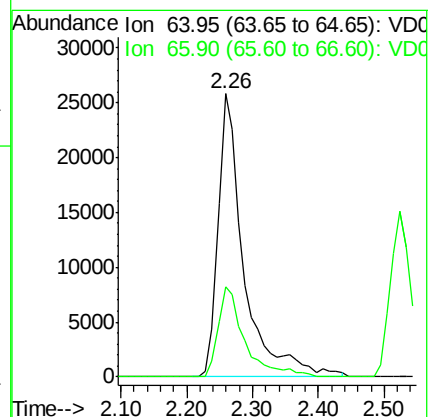
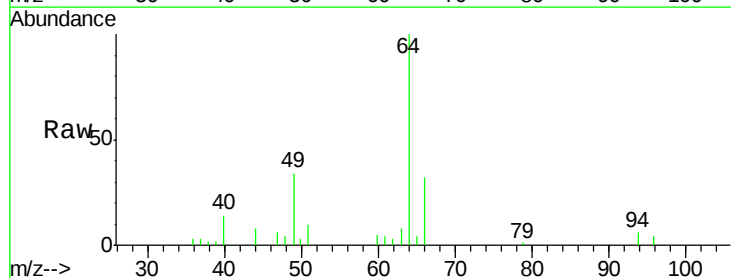
Acq: 20 Mar 2019 23:34

Tgt Ion: 64 Resp: 69726

Ion Ratio Lower Upper

64 100

66 32.0 22.2 33.2



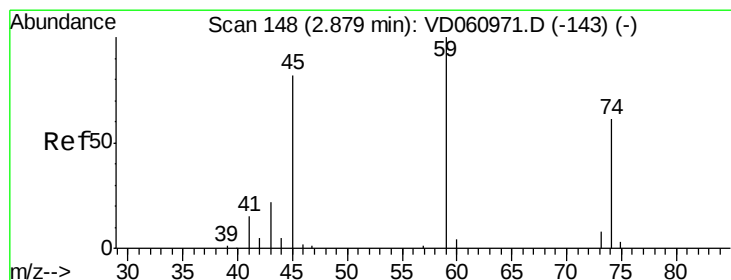
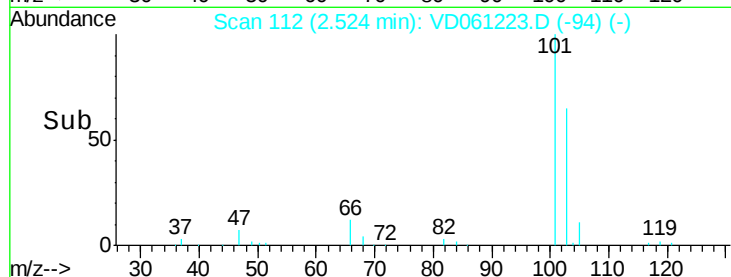
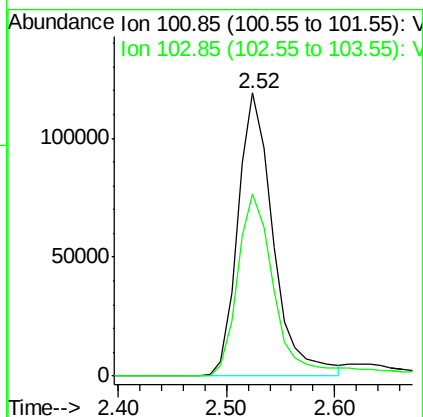
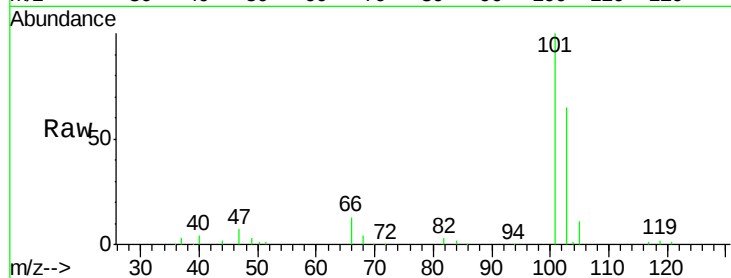


#7

Trichlorofluoromethane
 Concen: 43.293 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :

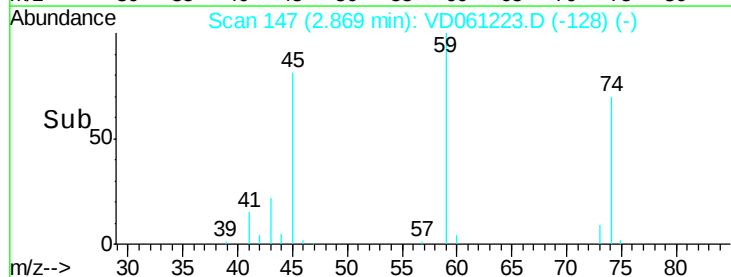
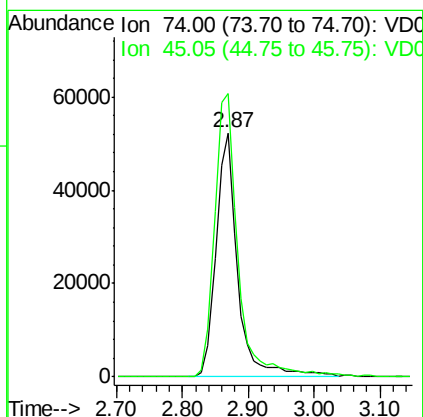
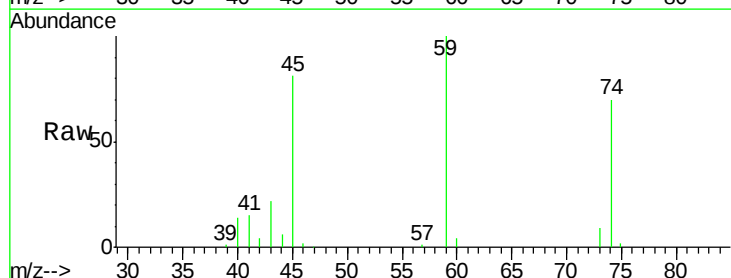
Tot Ion:101 Resp: 270699
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.2 76.8

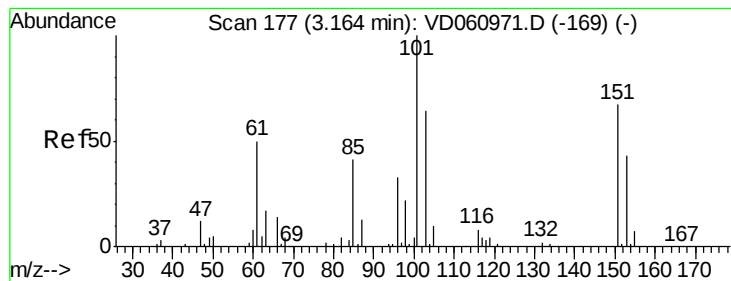


#8

Diethyl Ether
 Concen: 57.459 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

Tgt Ion: 74 Resp: 118522
 Ion Ratio Lower Upper
 74 100
 45 116.1 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.451 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampled :

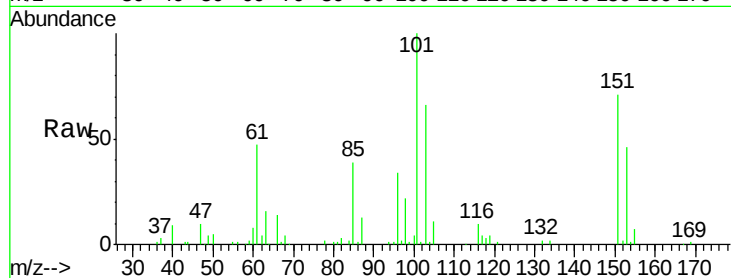
Tot Ion:101 Resp: 338698

Ion Ratio Lower Upper

101 100

85 38.7 32.5 48.7

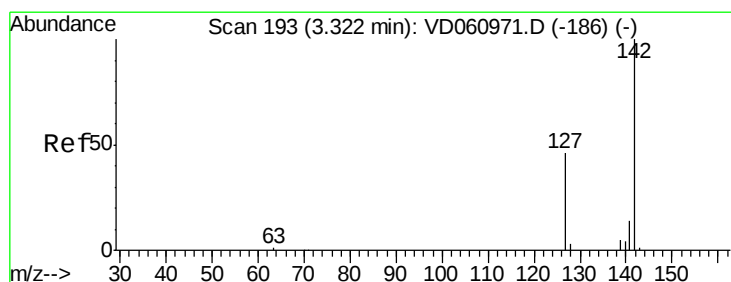
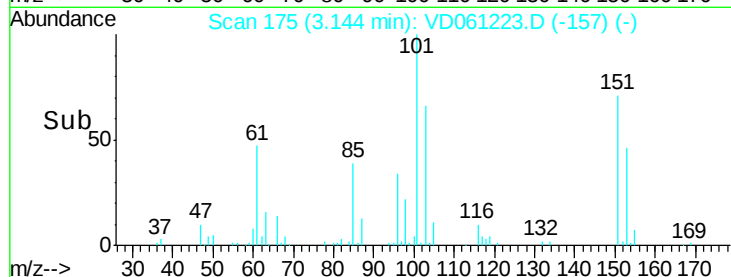
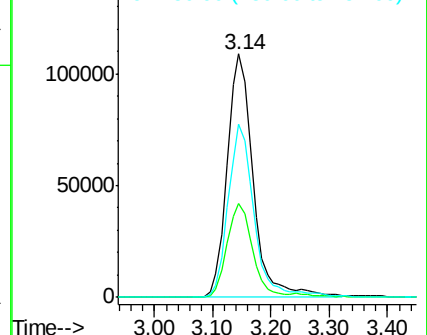
151 71.3 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.028 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

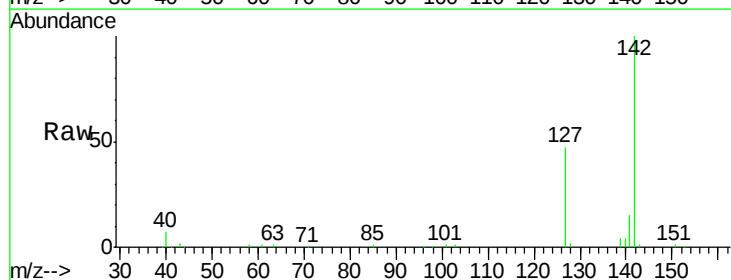
Tgt Ion:142 Resp: 491856

Ion Ratio Lower Upper

142 100

127 47.0 36.8 55.2

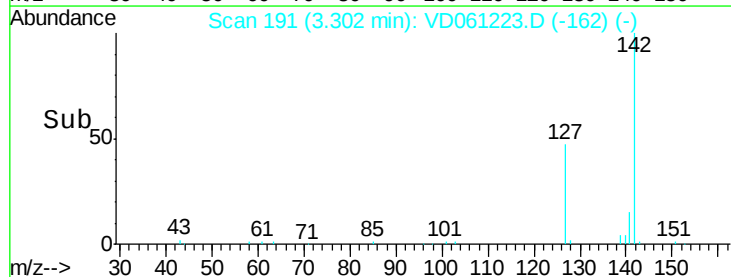
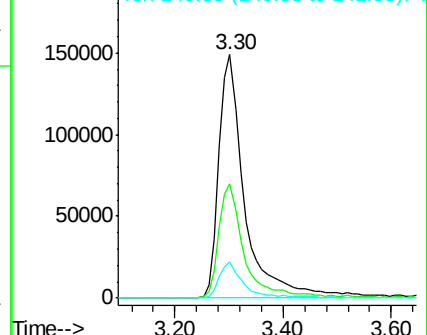
141 14.7 11.2 16.8

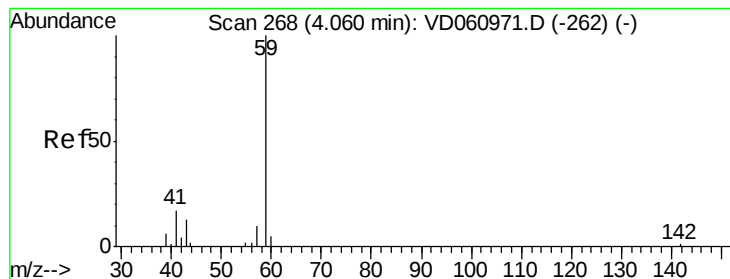


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



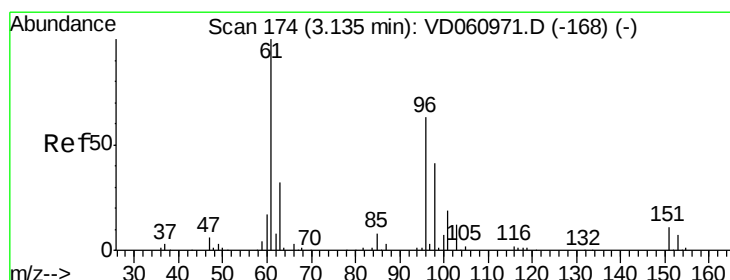
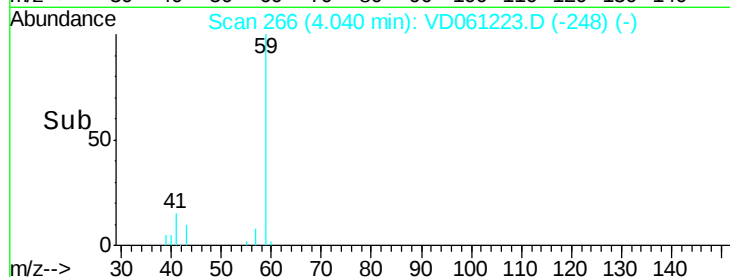
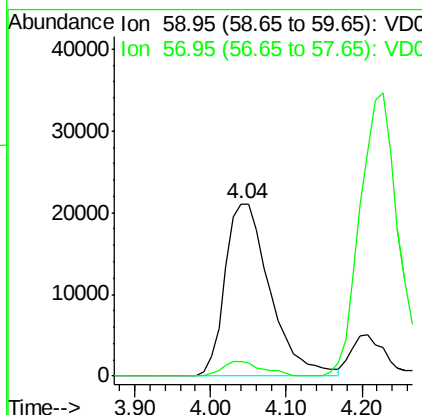
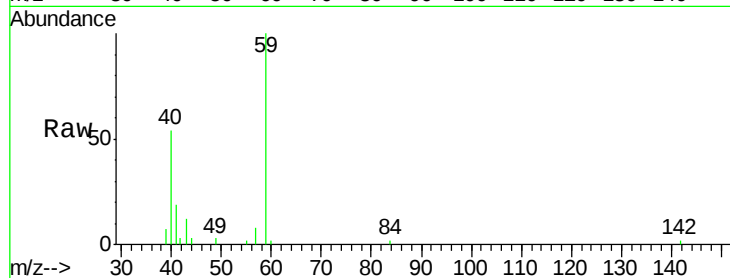


#11

Tert butyl alcohol
Concen: 286.612 ug/l
RT: 4.04 min Scan# 266
Delta R.T. -0.02 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :

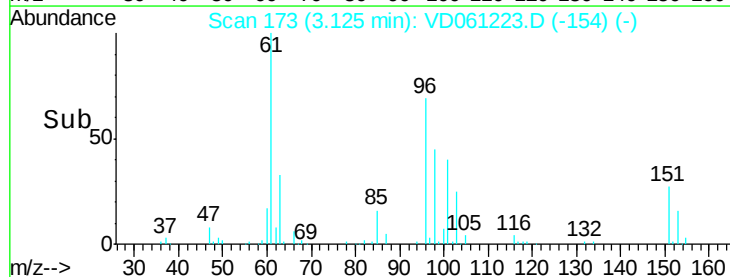
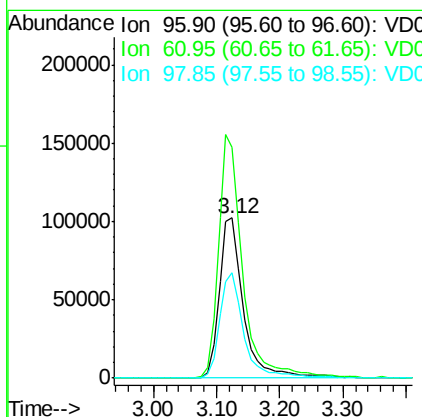
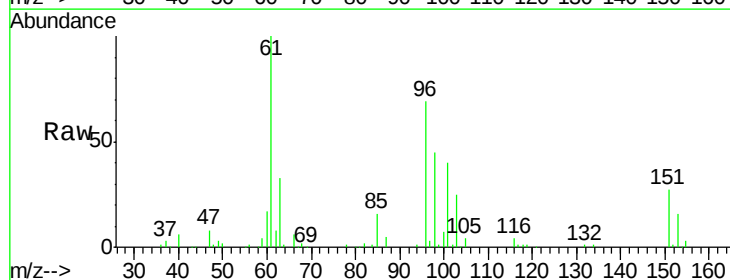
Tot Ion: 59 Resp: 86699
Ion Ratio Lower Upper
59 100
57 8.2 7.1 10.7

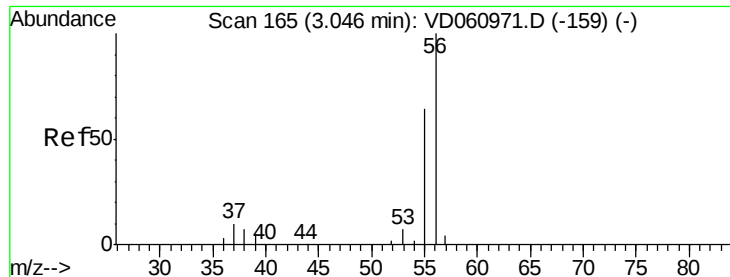


#12

1,1-Dichloroethene
Concen: 47.851 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion: 96 Resp: 274193
Ion Ratio Lower Upper
96 100
61 144.4 127.1 190.7
98 65.6 51.5 77.3

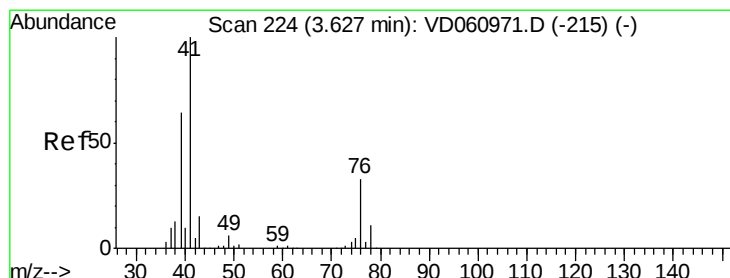
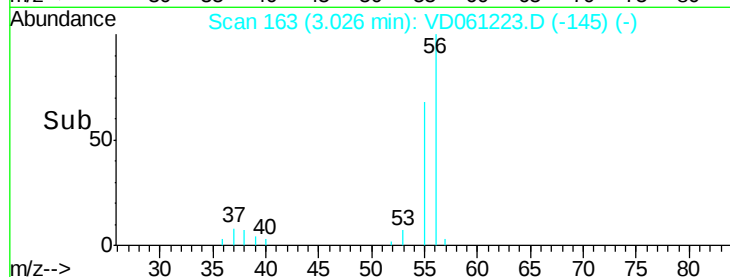
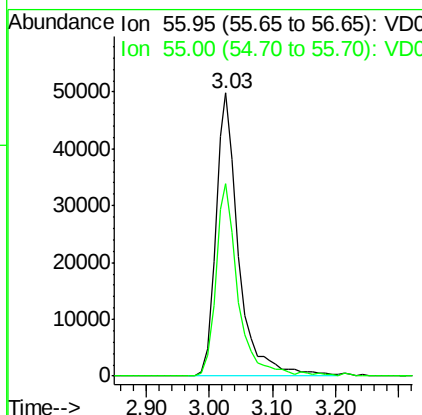
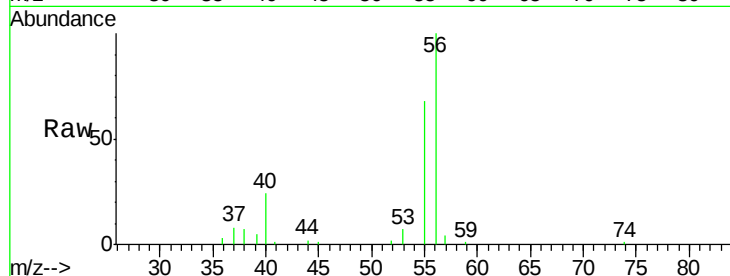




#13
 Acrolein
 Concen: 288.594 ug/l
 RT: 3.03 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

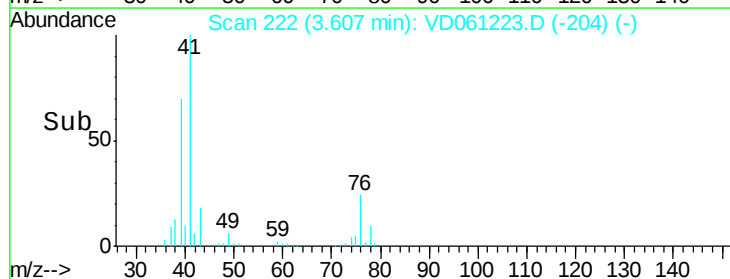
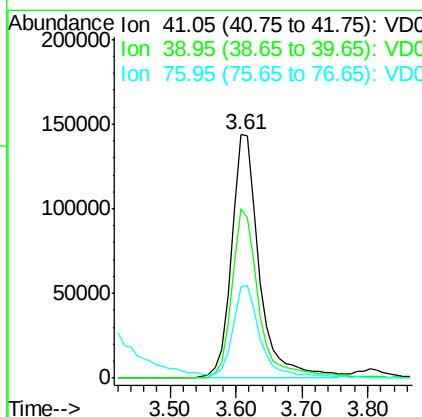
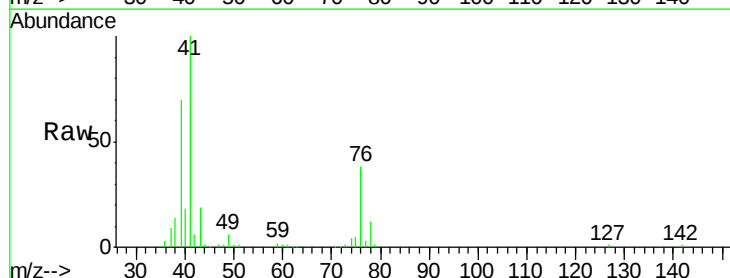
Instrument :
 MSVOA_D
 ClientSampleId :

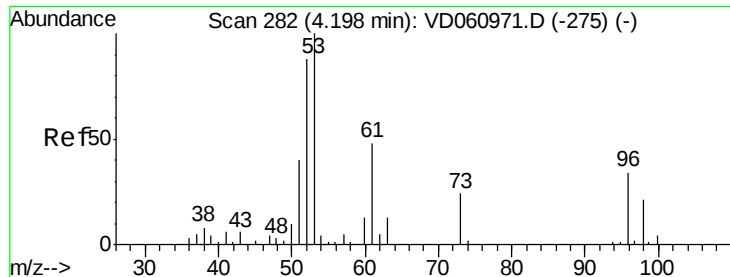
Tot Ion: 56 Resp: 126313
 Ion Ratio Lower Upper
 56 100
 55 68.2 51.3 76.9



#14
 Allyl chloride
 Concen: 46.551 ug/l
 RT: 3.61 min Scan# 222
 Delta R.T. -0.02 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

Tgt Ion: 41 Resp: 426788
 Ion Ratio Lower Upper
 41 100
 39 69.8 51.1 76.7
 76 37.7 29.1 43.7





#15

Acrylonitrile

Concen: 286.121 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

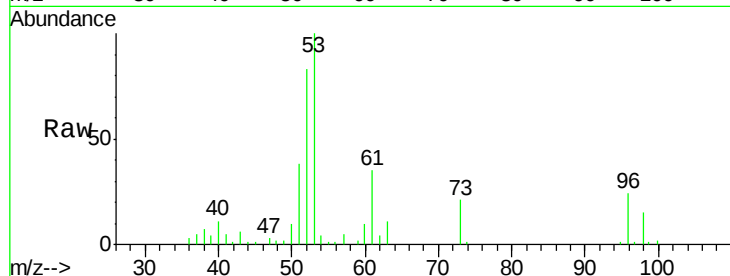
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 305897

Ion	Ratio	Lower	Upper
53	100		
52	83.2	70.2	105.4
51	38.2	31.7	47.5

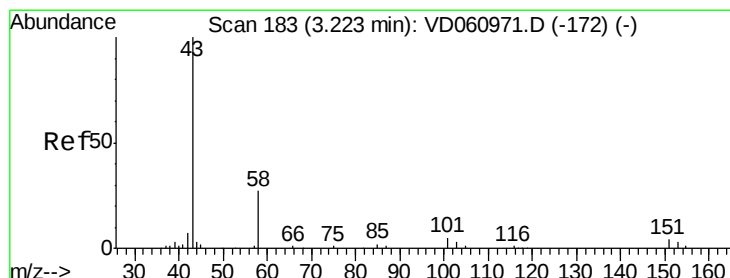
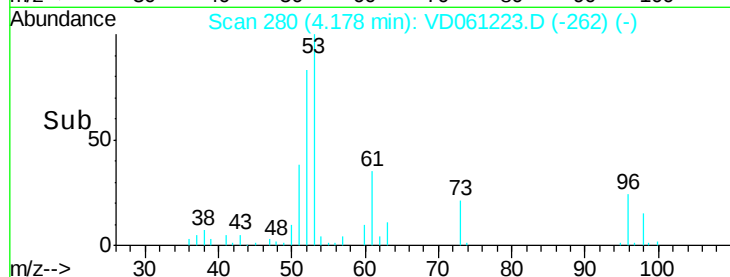
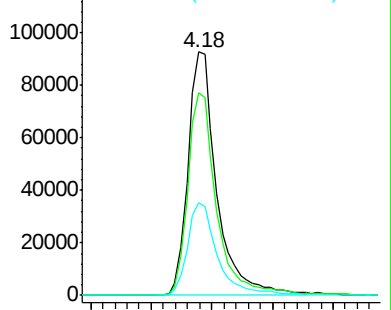


Abundance

Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 225.769 ug/l

RT: 3.21 min Scan# 182

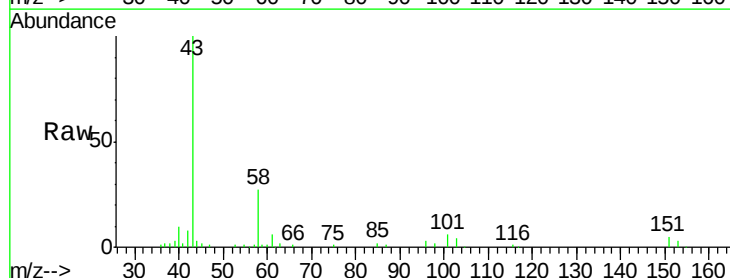
Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Tgt Ion: 43 Resp: 306767

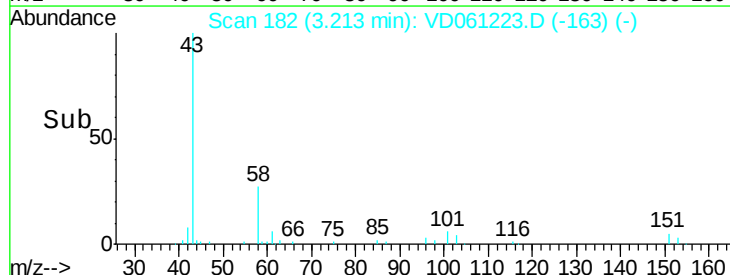
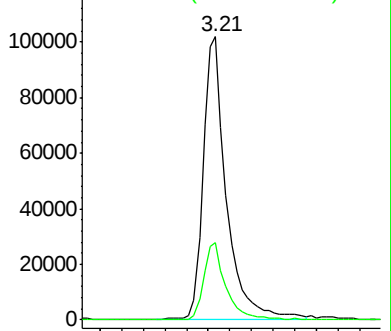
Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.6	32.4

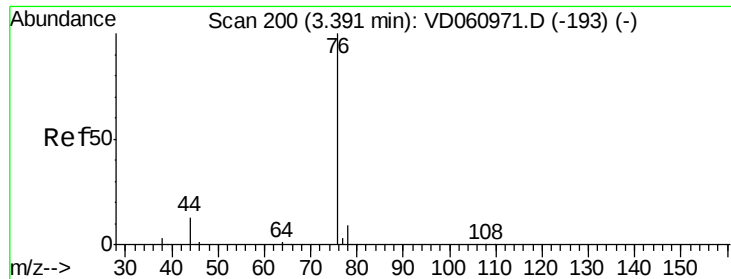


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

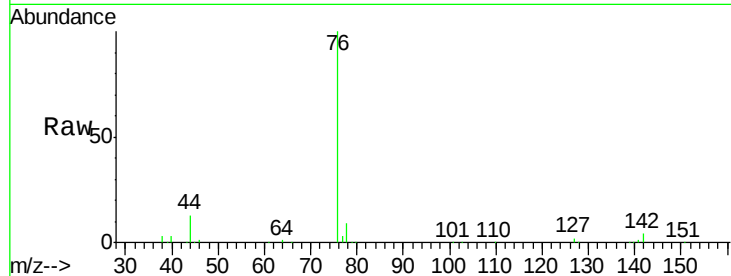




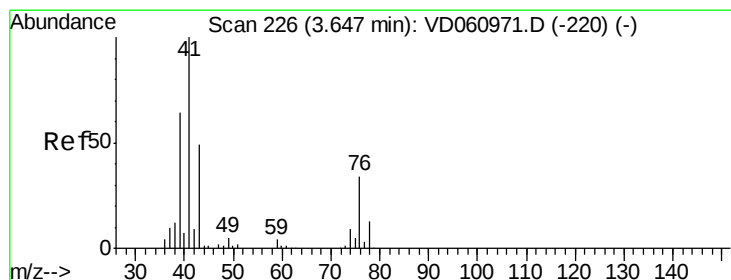
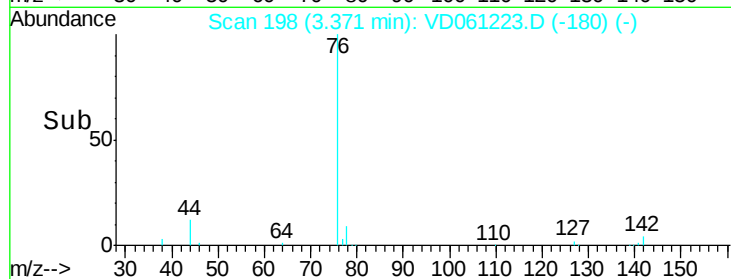
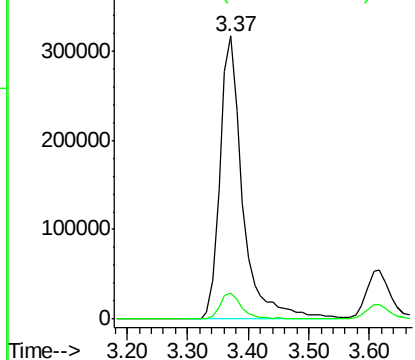
#17
Carbon Disulfide
Concen: 42.638 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.02 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 824174
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

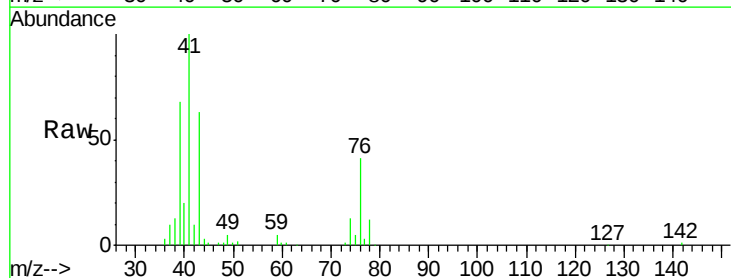


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

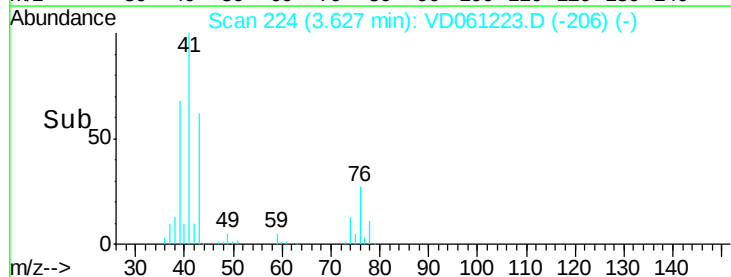
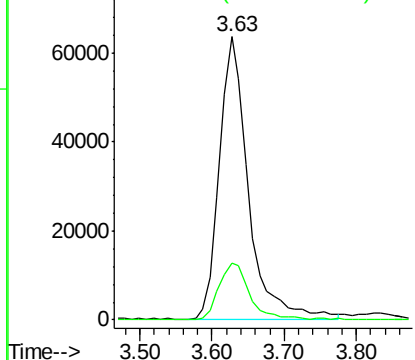


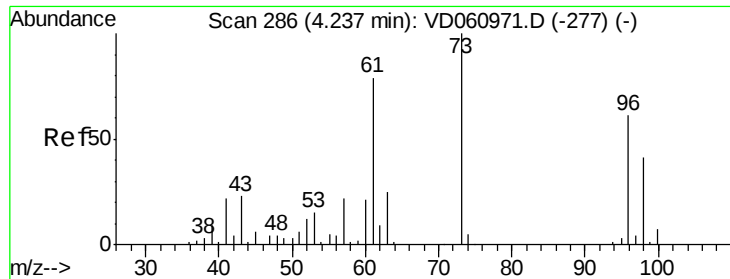
#18
Methyl Acetate
Concen: 66.837 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion: 43 Resp: 178724
Ion Ratio Lower Upper
43 100
74 20.2 14.6 21.8



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

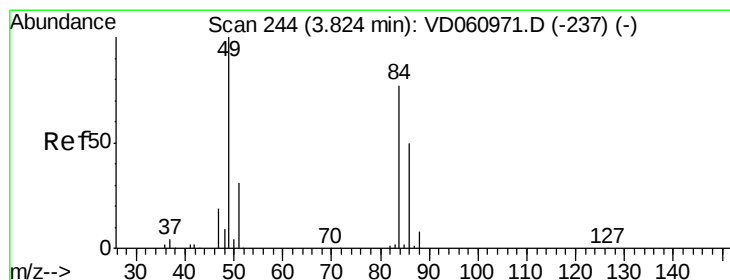
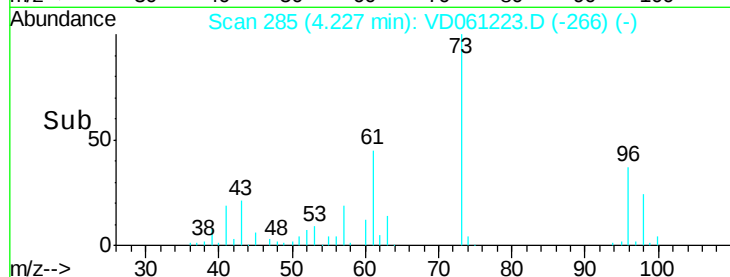
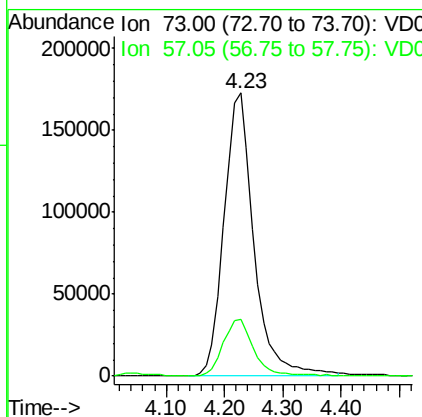
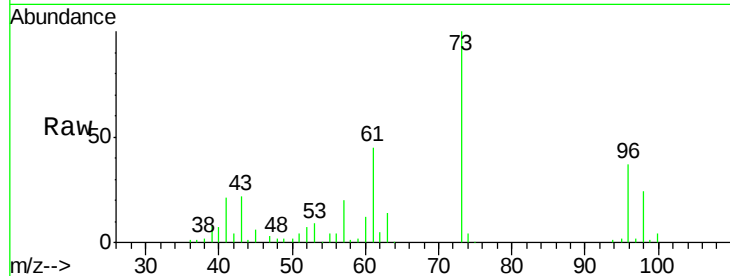




#19
Methvl tert-butvl Ether
Concen: 61.404 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

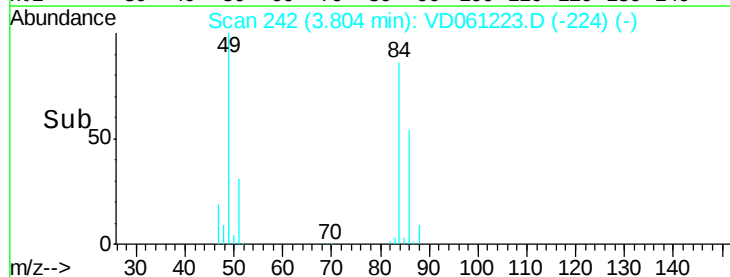
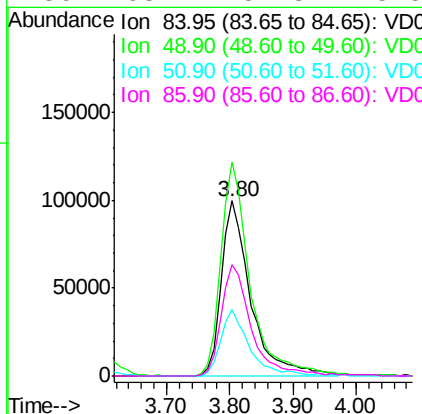
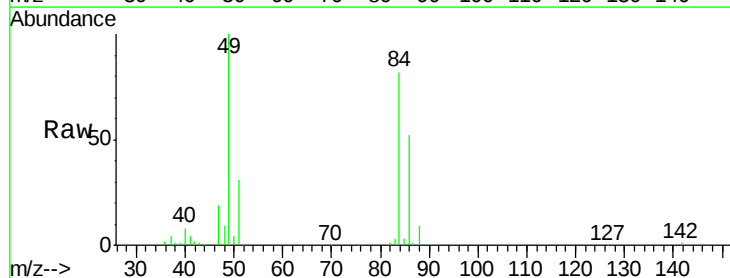
Instrument :
MSVOA_D
ClientSampleId :

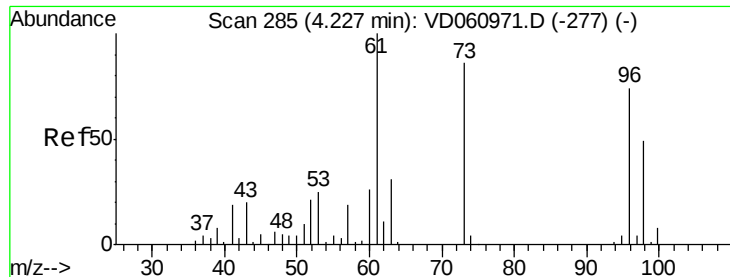
Tot Ion: 73 Resp: 616621
Ion Ratio Lower Upper
73 100
57 20.0 17.7 26.5



#20
Methylene Chloride
Concen: 52.271 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion: 84 Resp: 322526
Ion Ratio Lower Upper
84 100
49 122.2 104.2 156.2
51 38.1 32.3 48.5
86 63.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.849 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

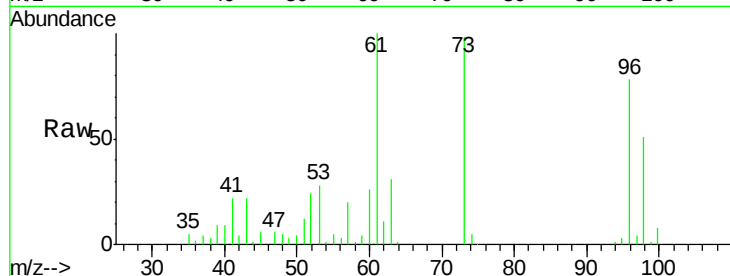
Tot Ion: 96 Resp: 321573

Ion Ratio Lower Upper

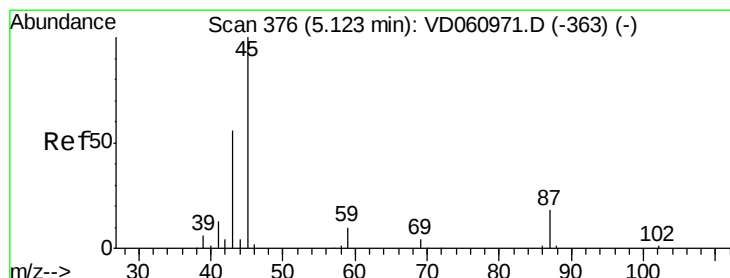
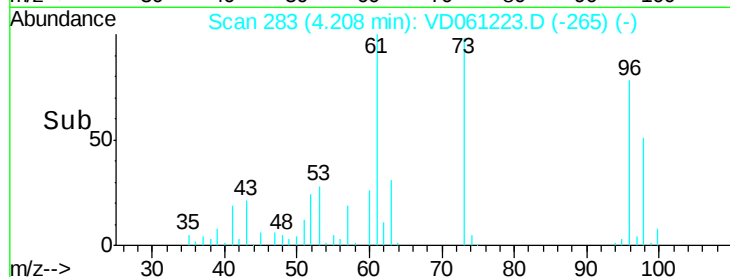
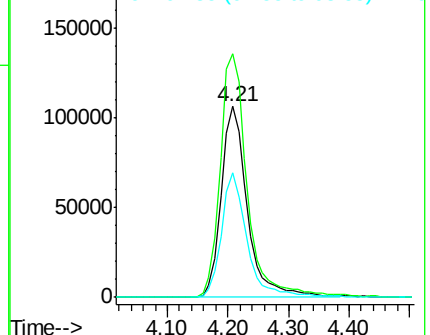
96 100

61 127.7 108.4 162.6

98 65.0 53.0 79.4



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



#22

Diisopropyl ether

Concen: 50.479 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Tgt Ion: 45 Resp: 960718

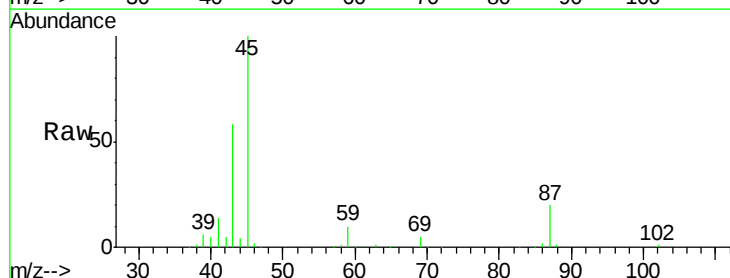
Ion Ratio Lower Upper

45 100

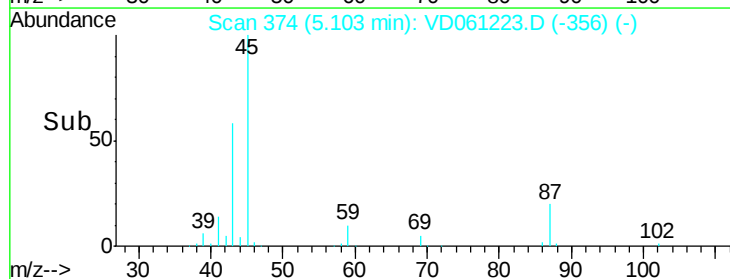
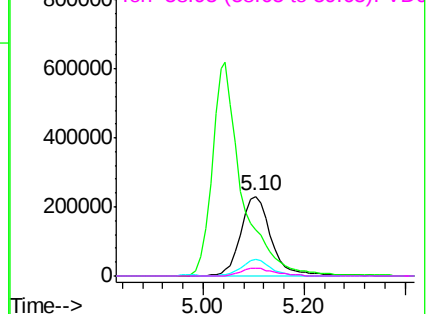
43 57.5 45.8 68.8

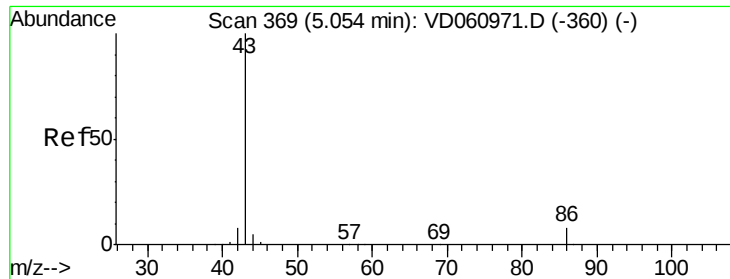
87 20.3 14.9 22.3

59 10.1 8.0 12.0



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

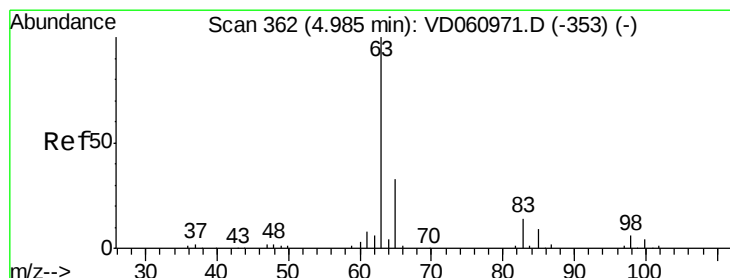
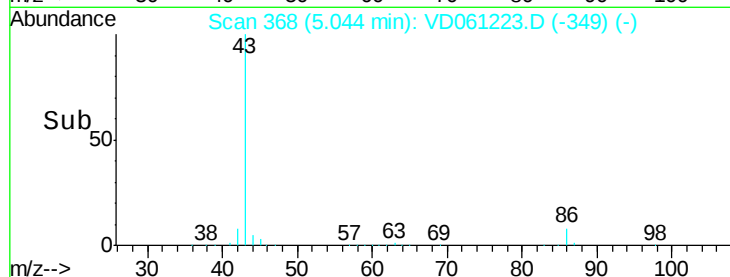
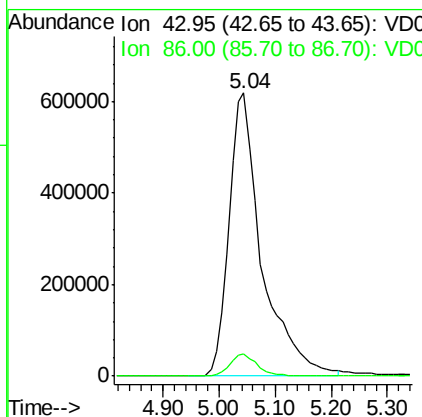
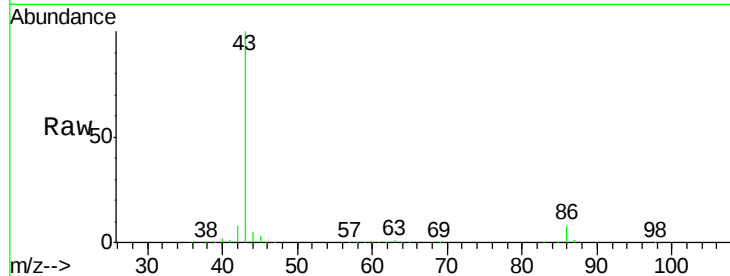




#23
 Vinyl Acetate
 Concen: 256.917 ug/l
 RT: 5.04 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

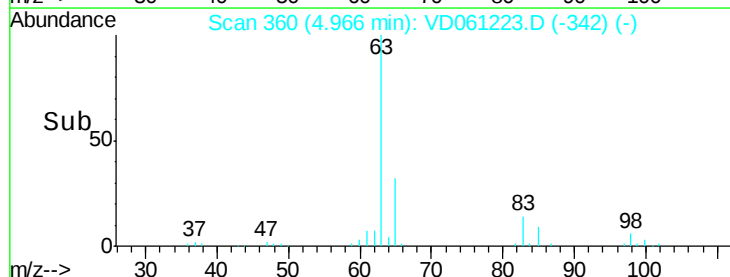
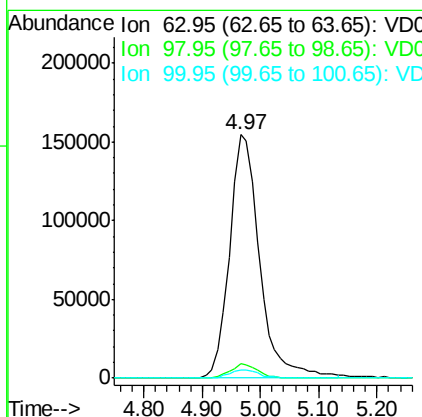
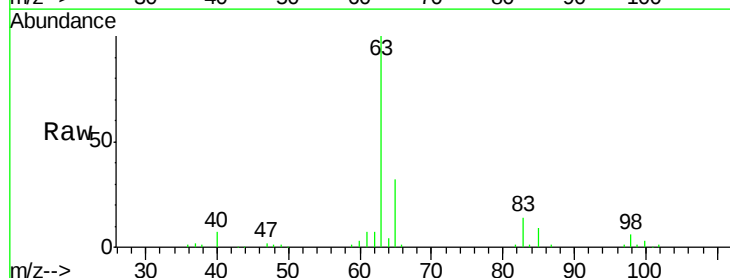
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 2510088
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.2 9.2



#24
 1,1-Dichloroethane
 Concen: 53.313 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.02 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

Tgt Ion: 63 Resp: 555938
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 3.3 2.0 5.8





#25

2-Butanone

Concen: 274.032 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

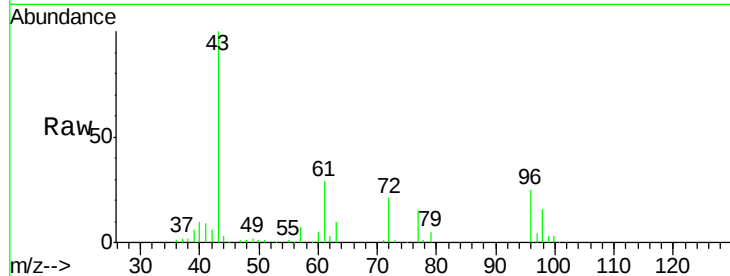
ClientSampleId :

Tot Ion: 43 Resp: 422508

Ion Ratio Lower Upper

43 100

72 21.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

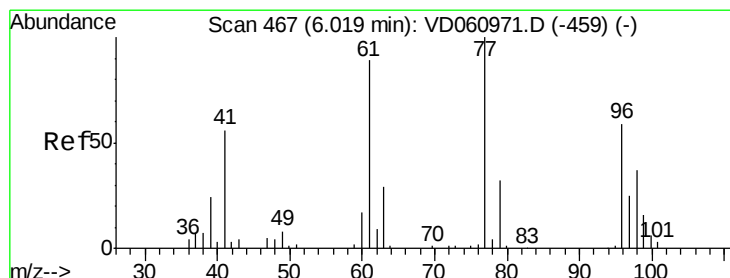
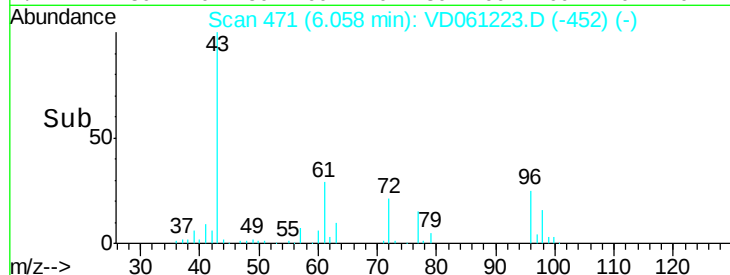
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 49.766 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061223.D

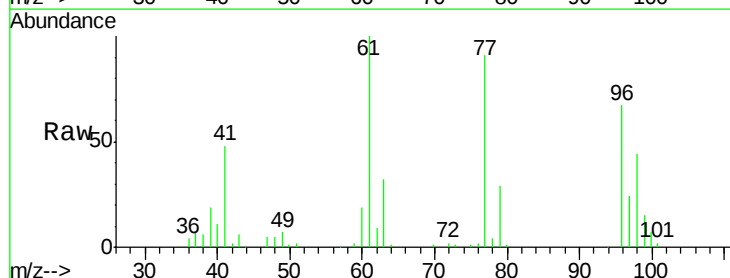
Acq: 20 Mar 2019 23:34

Tgt Ion: 77 Resp: 405120

Ion Ratio Lower Upper

77 100

97 26.2 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

120000

100000

80000

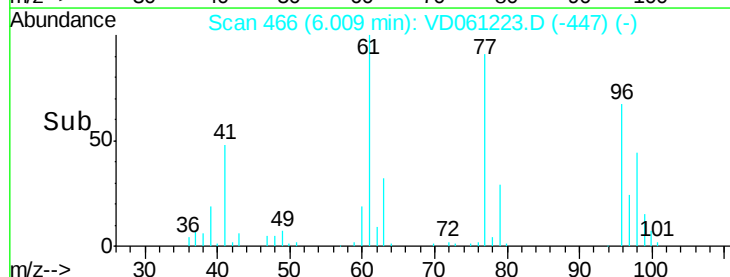
60000

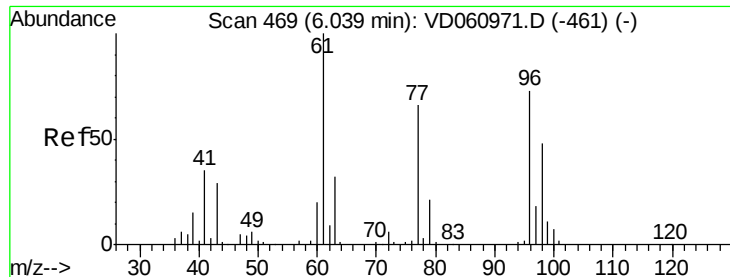
40000

20000

0

Time--> 5.80 5.90 6.00 6.10 6.20



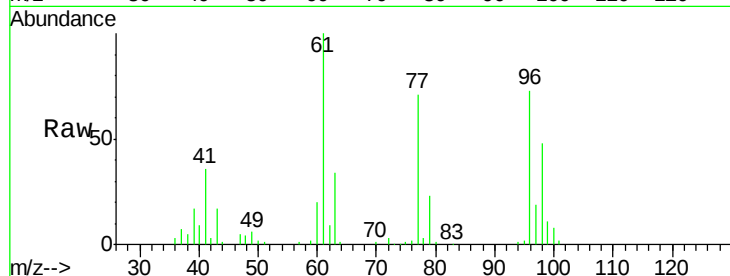


#27

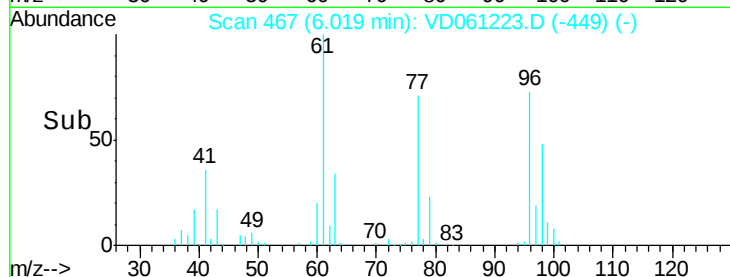
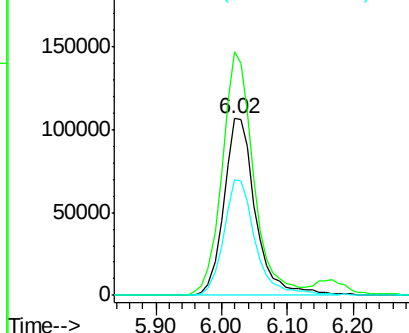
cis-1,2-Dichloroethene
Concen: 54.392 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	273.6
98	65.5	0.0	132.6



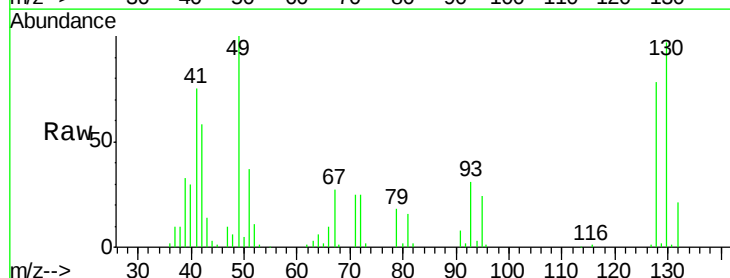
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



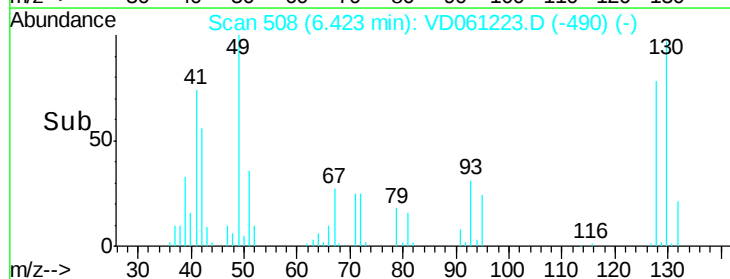
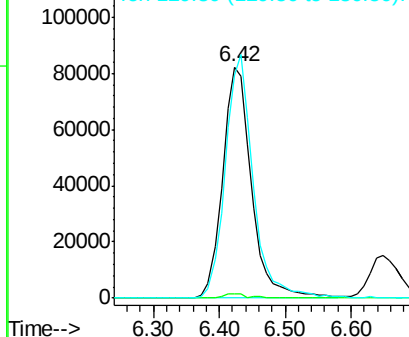
#28

Bromochloromethane
Concen: 57.054 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	96.6	73.8	110.8



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





#29

Tetrahydrofuran

Concen: 271.610 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

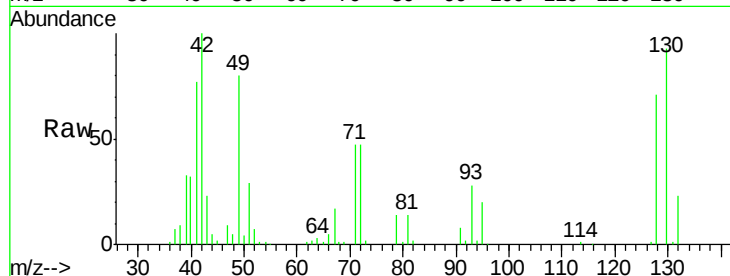
Tot Ion: 42 Resp: 227394

Ion Ratio Lower Upper

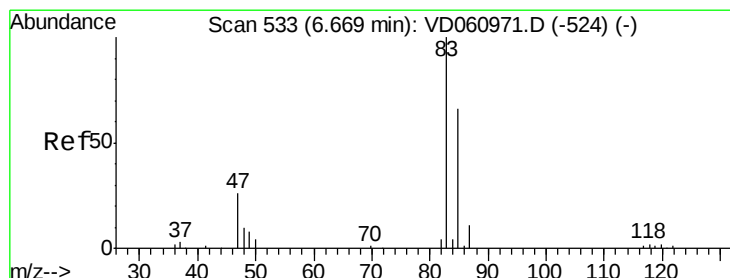
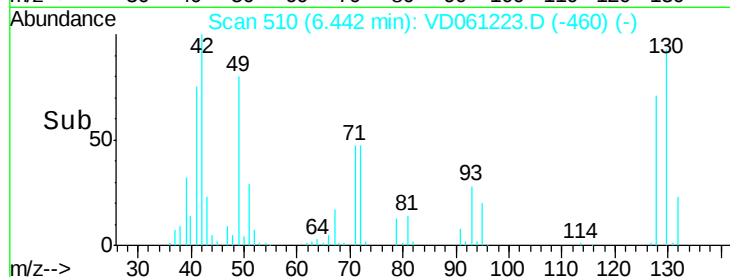
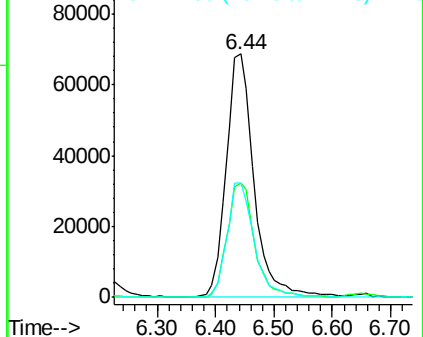
42 100

72 46.5 34.5 51.7

71 46.3 33.8 50.6



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



#30

Chloroform

Concen: 54.067 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD061223.D

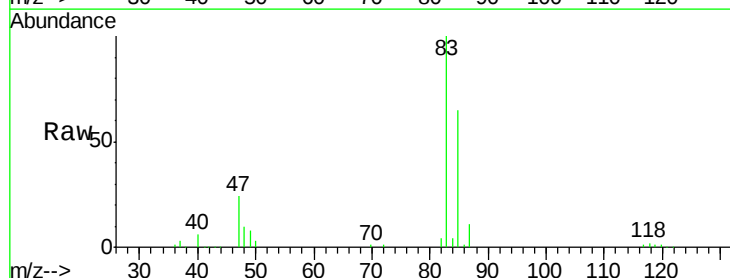
Acq: 20 Mar 2019 23:34

Tgt Ion: 83 Resp: 584331

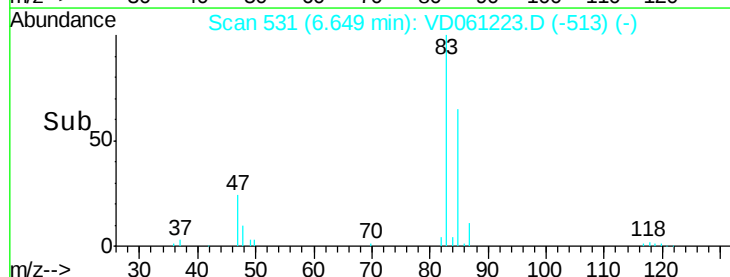
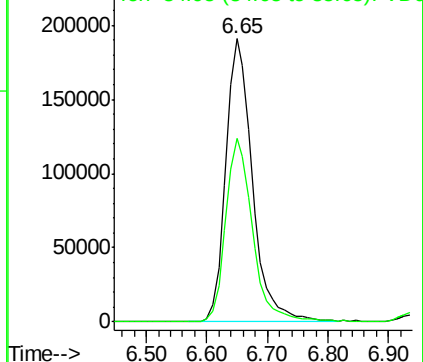
Ion Ratio Lower Upper

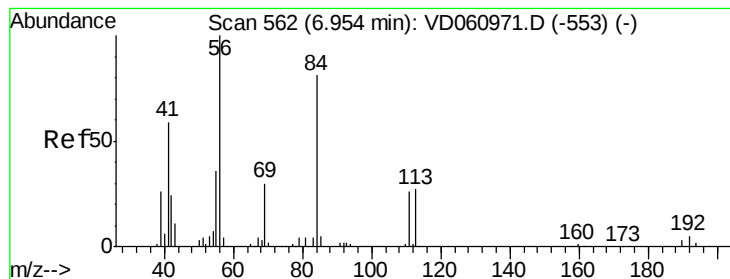
83 100

85 64.7 53.0 79.4



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





#31

Cyclohexane

Concen: 45.174 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :

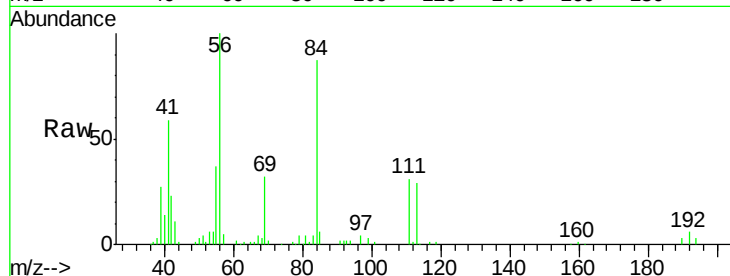
Tot Ion: 56 Resp: 379832

Ion Ratio Lower Upper

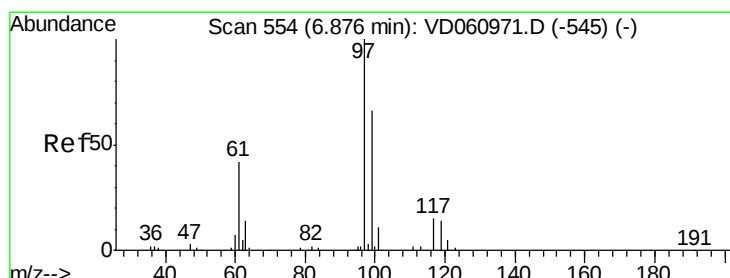
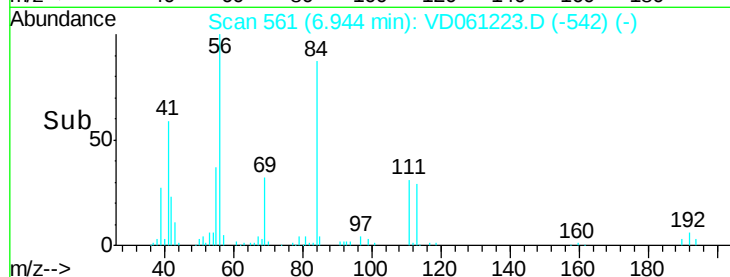
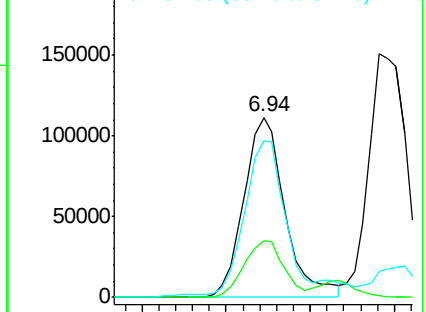
56 100

69 31.7 24.0 36.0

84 86.7 65.8 98.6



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: 50.846 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

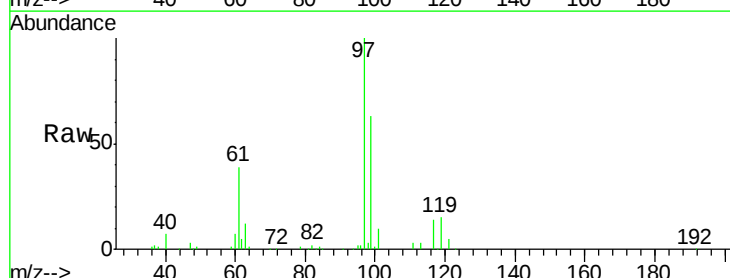
Tgt Ion: 97 Resp: 475081

Ion Ratio Lower Upper

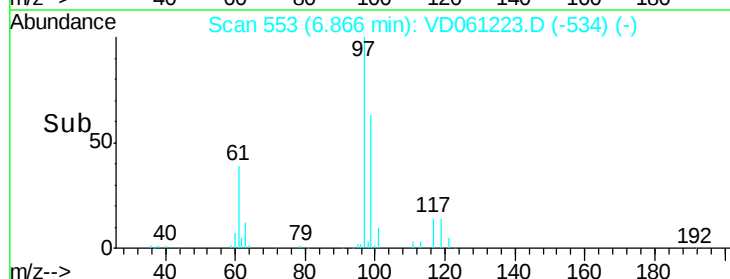
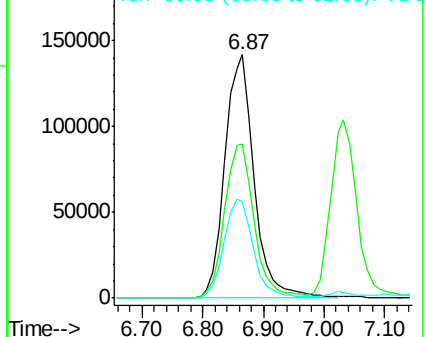
97 100

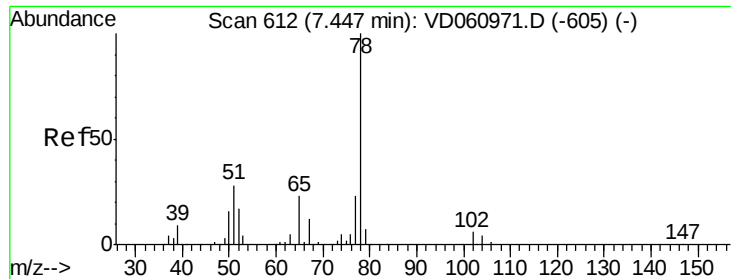
99 63.4 53.2 79.8

61 39.5 33.8 50.8



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: 50.846 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

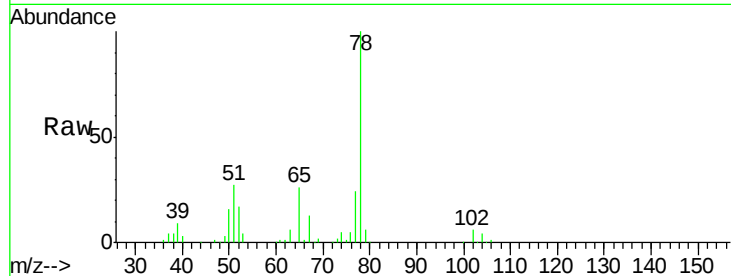
ClientSampleId :

Tot Ion: 65 Resp: 234146

Ion Ratio Lower Upper

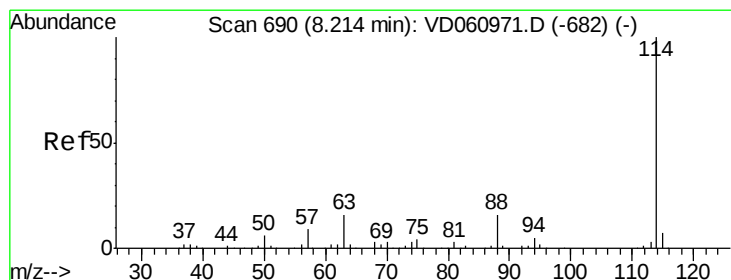
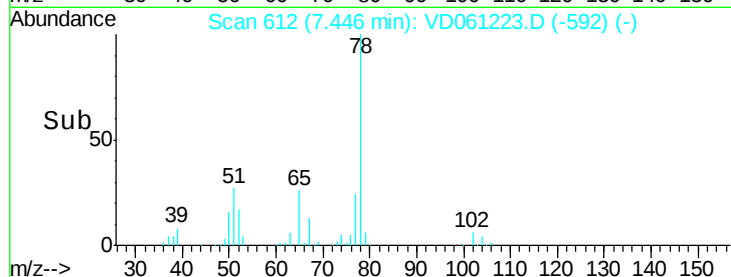
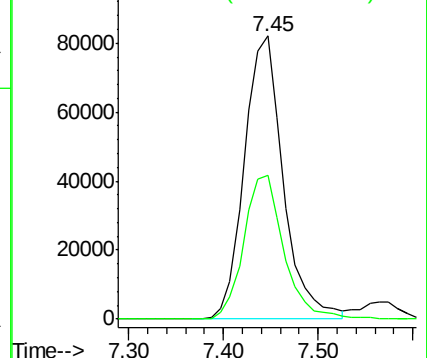
65 100

67 51.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

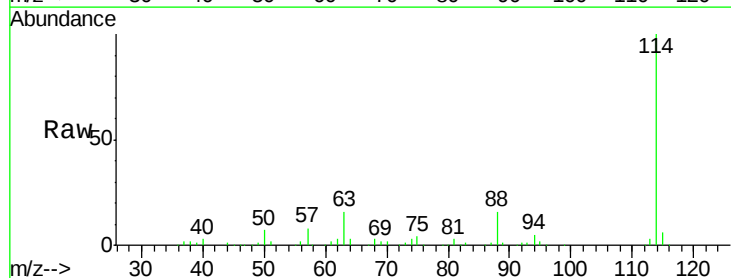
Tgt Ion: 114 Resp: 998103

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.4

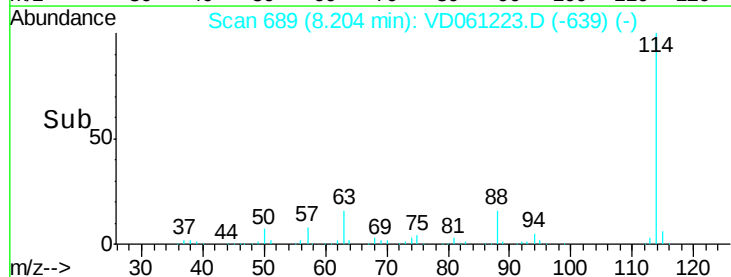
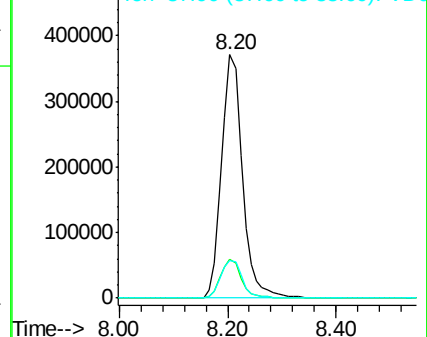
88 15.6 0.0 33.0

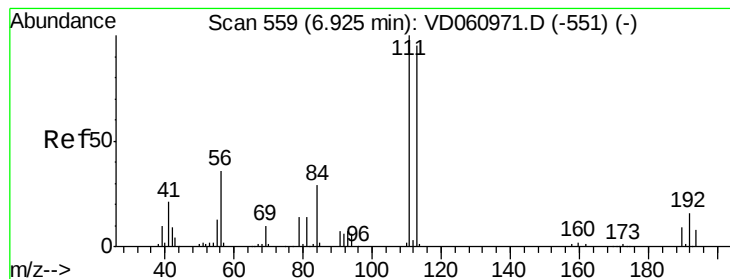


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

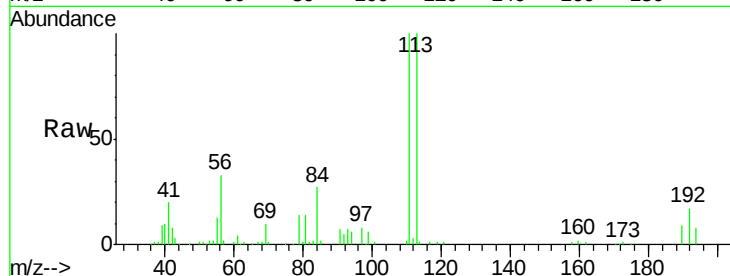
Tot Ion:113 Resp: 391356

Ion Ratio Lower Upper

113 100

111 100.5 84.2 126.4

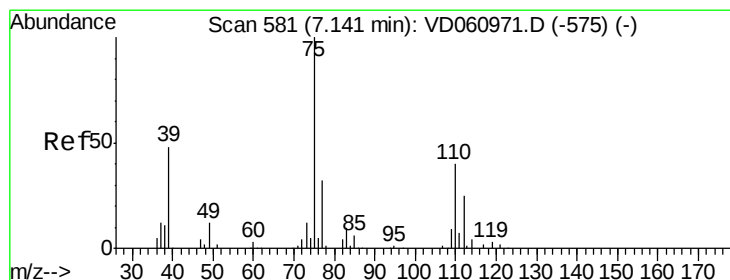
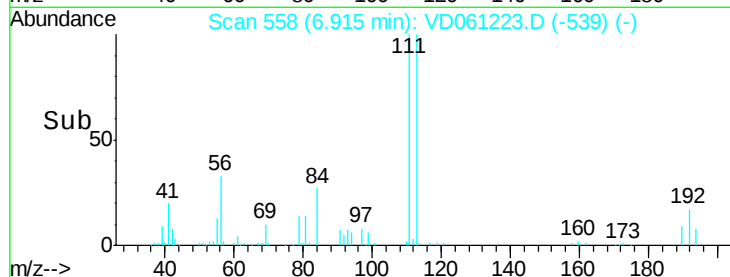
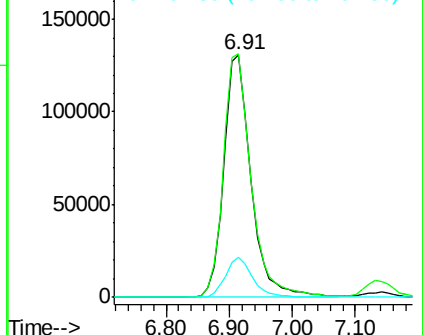
192 16.6 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 45.136 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

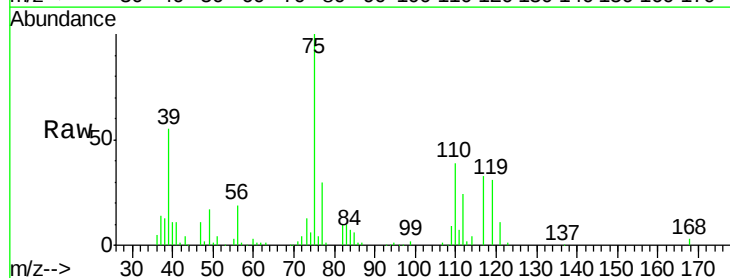
Tgt Ion: 75 Resp: 388329

Ion Ratio Lower Upper

75 100

110 38.8 19.7 59.1

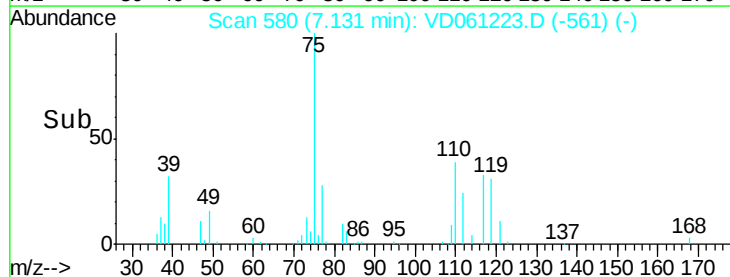
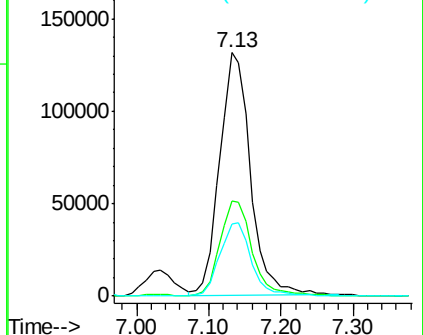
77 29.5 24.7 37.1

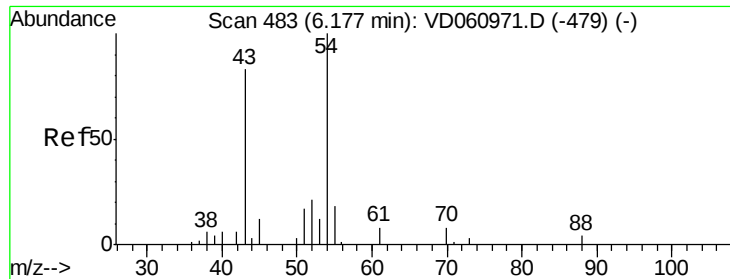


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

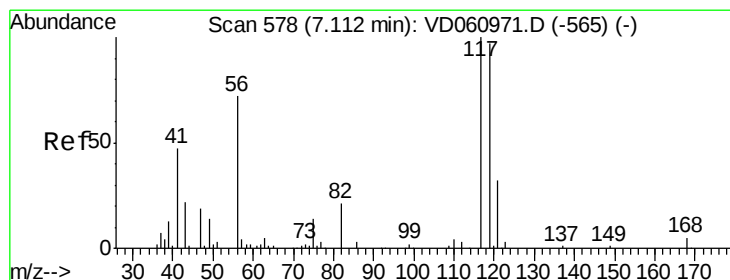
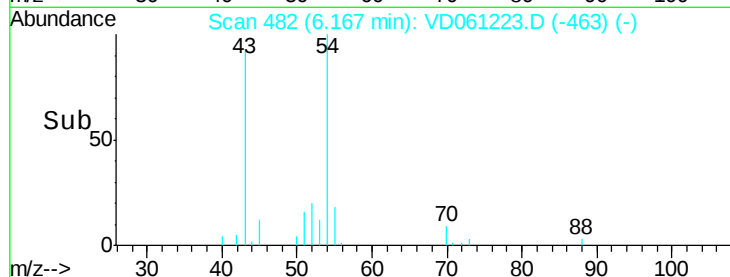
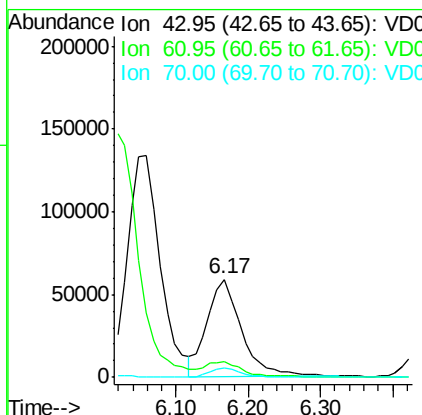
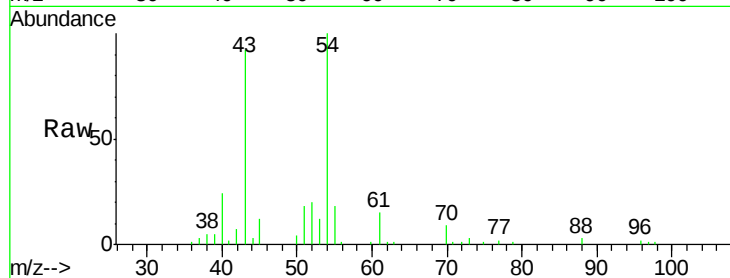




#37
Ethyl Acetate
Concen: 47.930 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

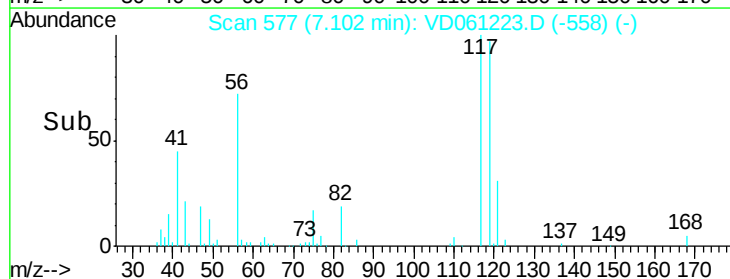
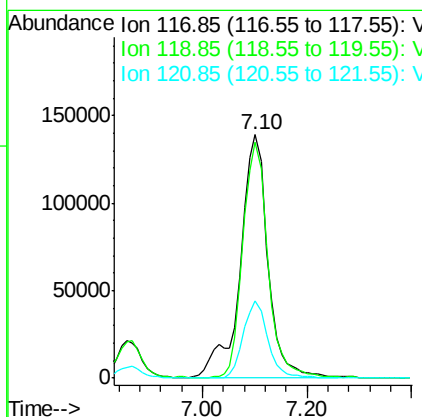
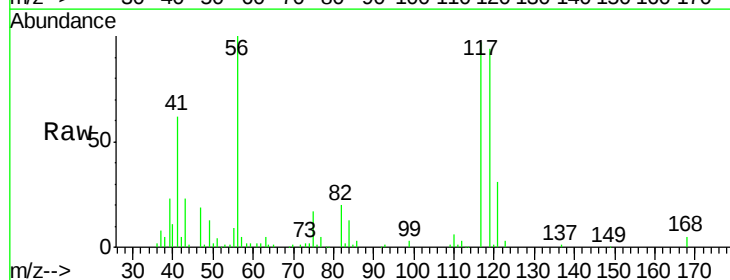
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 193507
Ion Ratio Lower Upper
43 100
61 16.7 13.7 20.5
70 9.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 52.391 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion: 117 Resp: 496515
Ion Ratio Lower Upper
117 100
119 97.1 77.8 116.8
121 31.5 25.3 37.9





#39

Methvlcvclohexane

Concen: 46.485 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

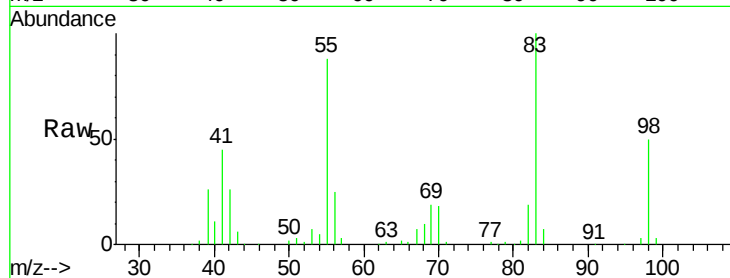
Tot Ion: 83 Resp: 414703

Ion Ratio Lower Upper

83 100

55 87.6 69.6 104.4

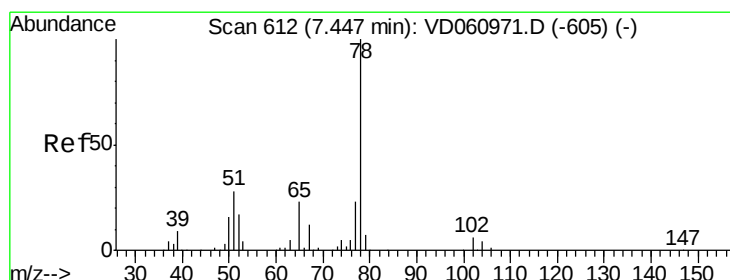
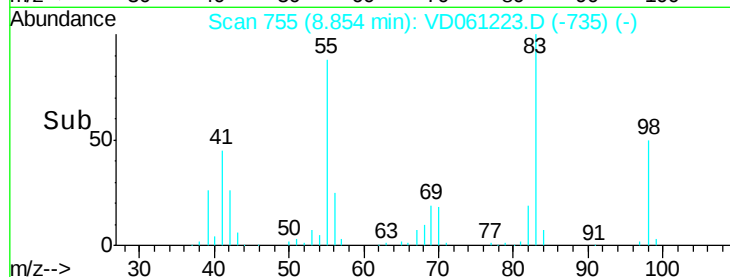
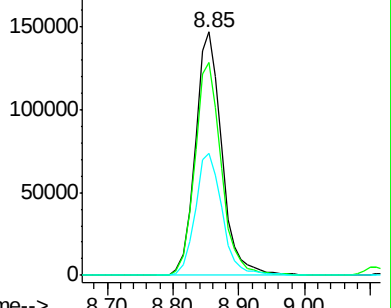
98 50.3 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 45.237 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061223.D

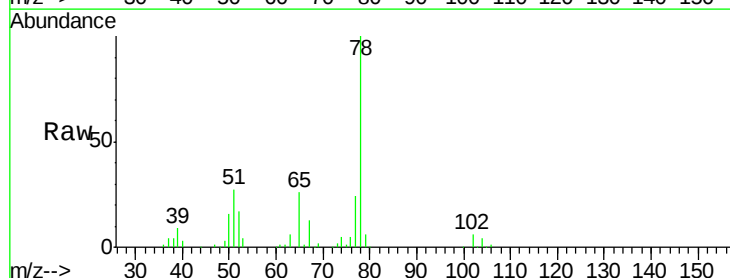
Acq: 20 Mar 2019 23:34

Tgt Ion: 78 Resp: 972500

Ion Ratio Lower Upper

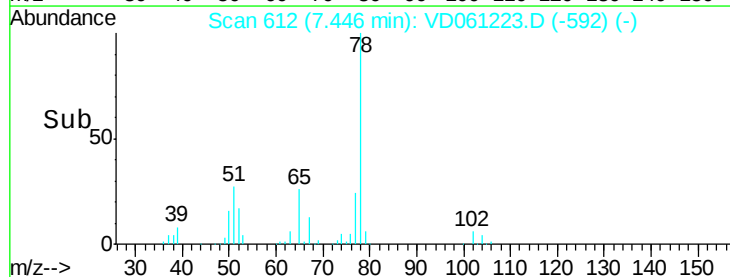
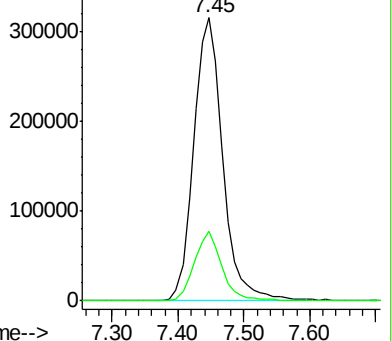
78 100

77 24.4 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

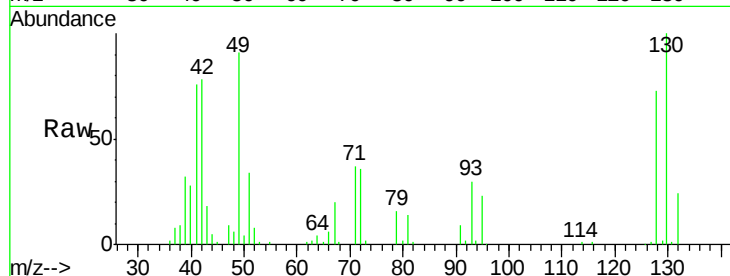




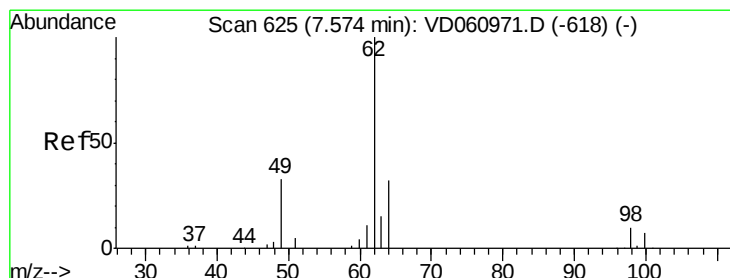
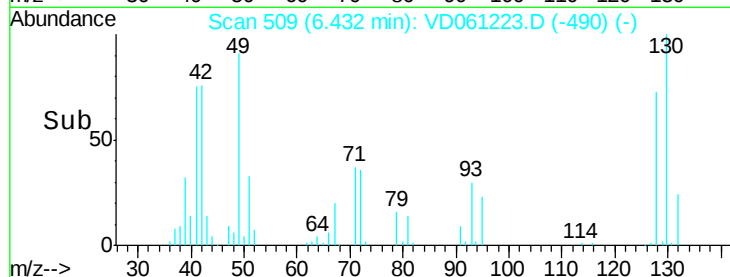
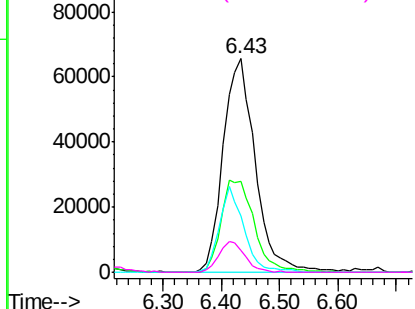
#41
Methacrylonitrile
Concen: 54.137 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 251404
Ion Ratio Lower Upper
41 100
39 42.8 35.7 53.5
67 26.6 23.0 34.6
52 10.1 9.2 13.8

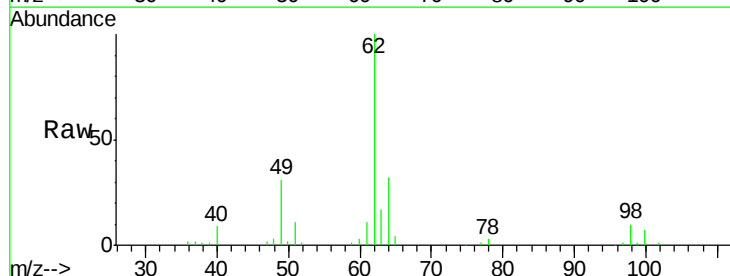


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

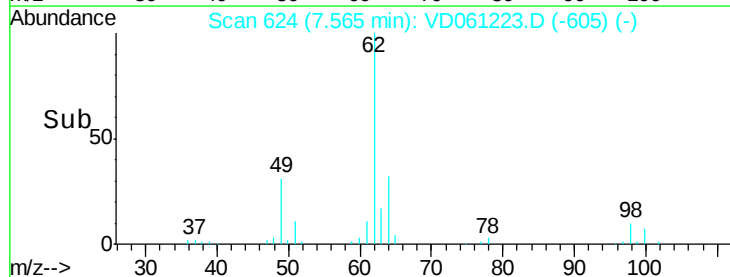
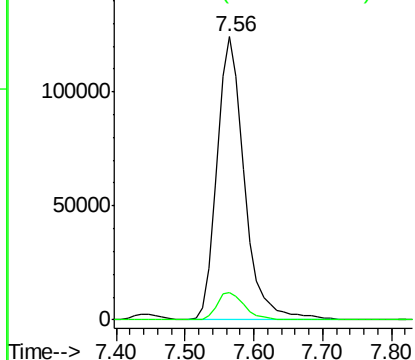


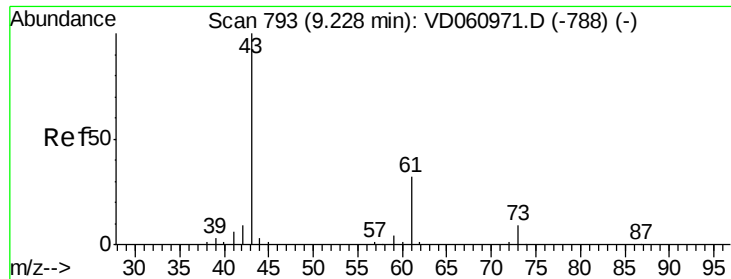
#42
1,2-Dichloroethane
Concen: 54.801 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion: 62 Resp: 341882
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.115 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

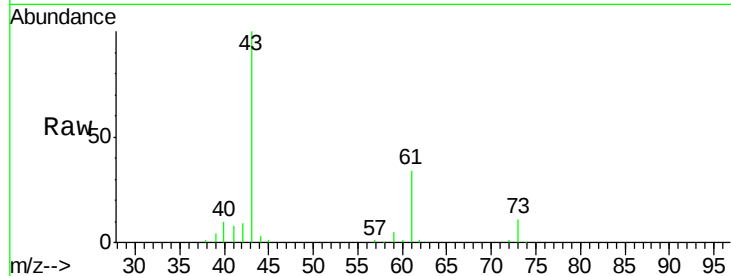
Tot Ion: 43 Resp: 291417

Ion Ratio Lower Upper

43 100

61 34.2 25.6 38.4

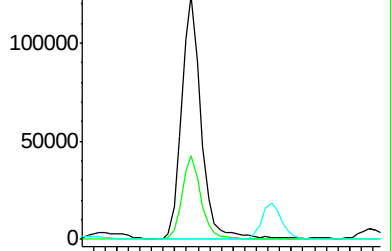
87 0.0 0.2 0.4#



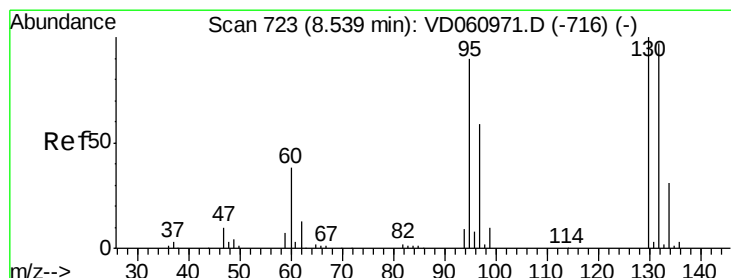
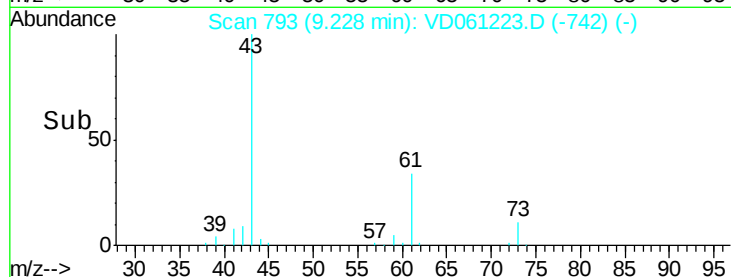
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



Time-->



#44

Trichloroethene

Concen: 53.342 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD061223.D

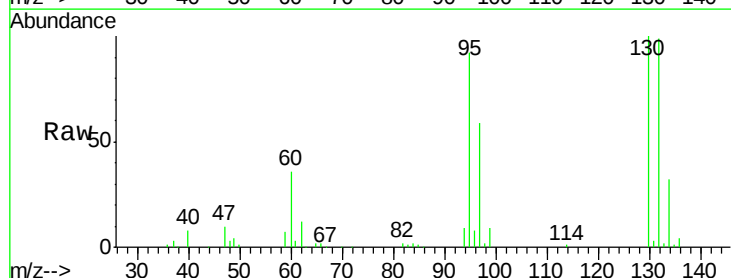
Acq: 20 Mar 2019 23:34

Tgt Ion:130 Resp: 395620

Ion Ratio Lower Upper

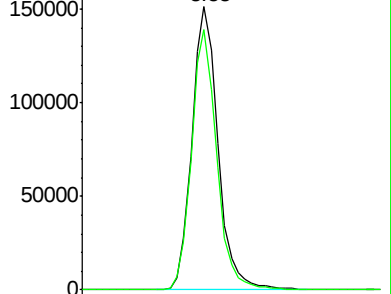
130 100

95 92.1 0.0 179.4

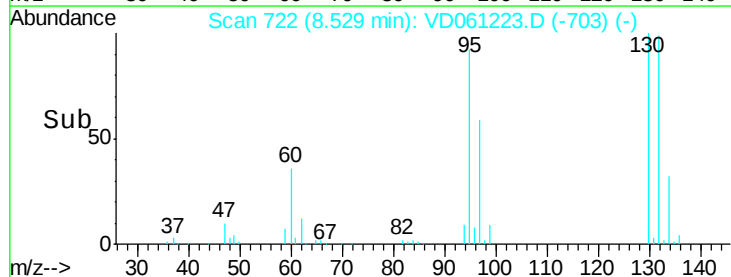


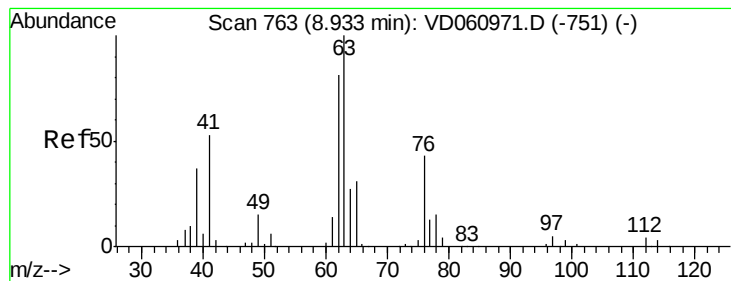
Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC



Time-->





#45

1,2-Dichloropropane

Concen: 50.445 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

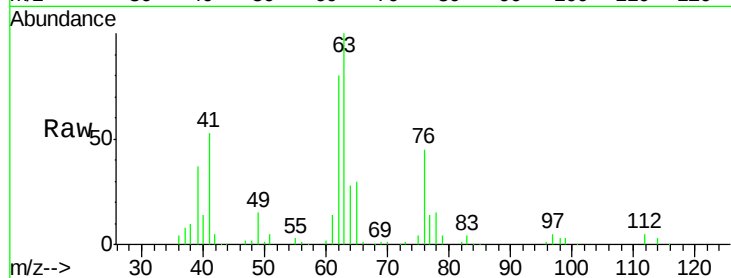
ClientSampleId :

Tot Ion: 63 Resp: 284912

Ion Ratio Lower Upper

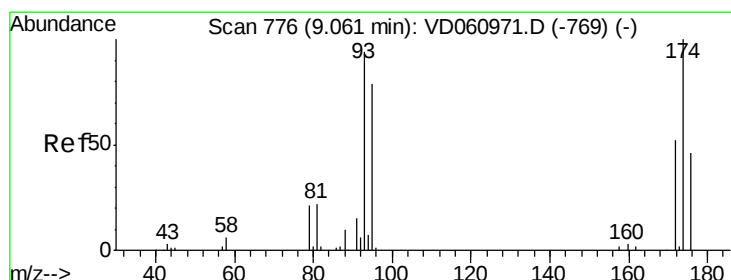
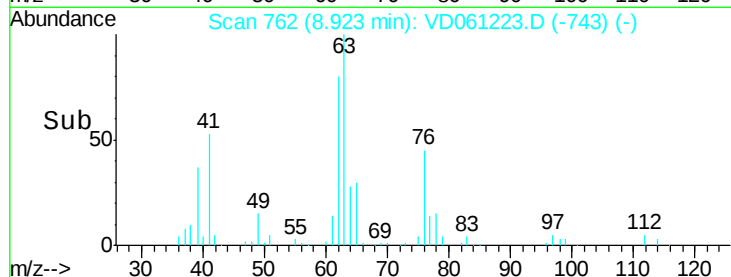
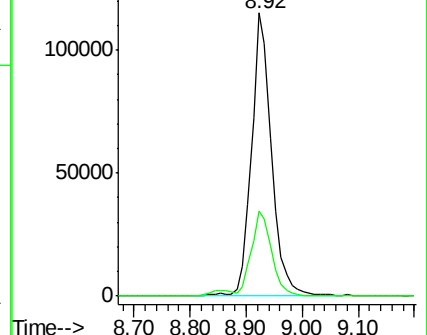
63 100

65 29.9 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.274 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

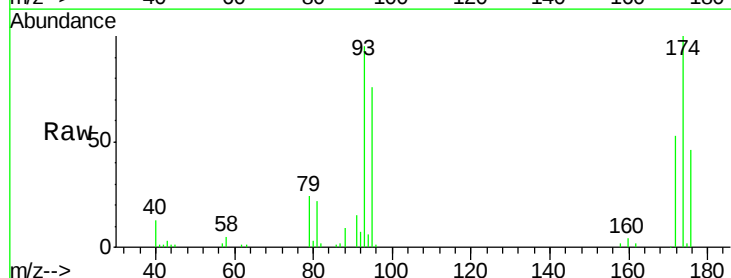
Tgt Ion: 93 Resp: 190862

Ion Ratio Lower Upper

93 100

95 80.3 67.4 101.0

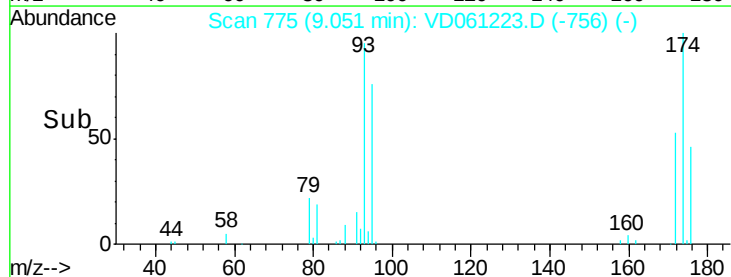
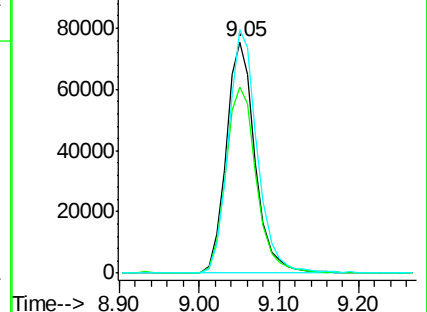
174 105.2 85.4 128.0



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: 53.431 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

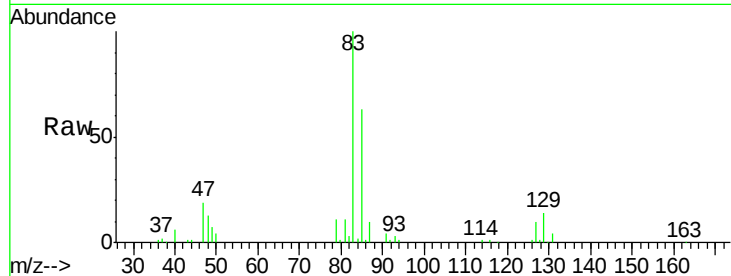
Tot Ion: 83 Resp: 431973

Ion Ratio Lower Upper

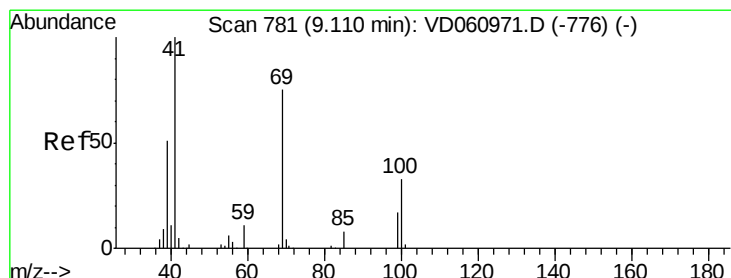
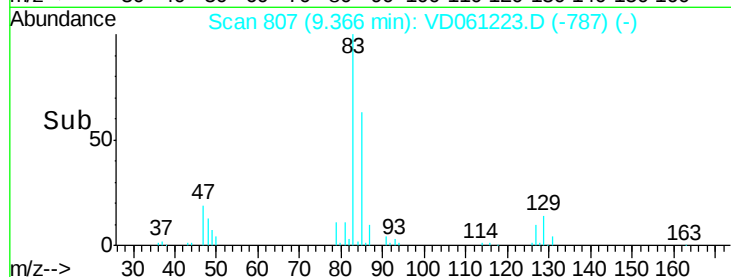
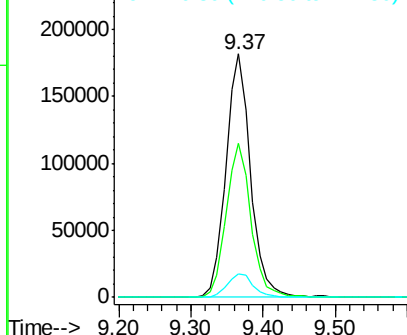
83 100

85 63.4 52.5 78.7

127 9.6 7.5 11.3



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



#48

Methyl methacrylate

Concen: 55.213 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

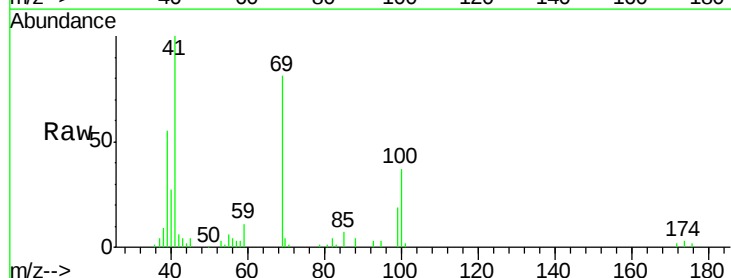
Tgt Ion: 41 Resp: 173832

Ion Ratio Lower Upper

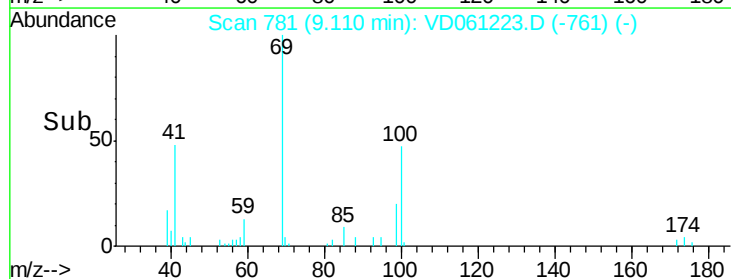
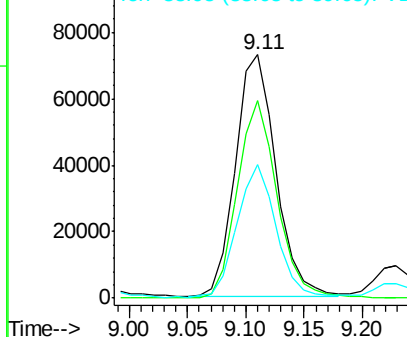
41 100

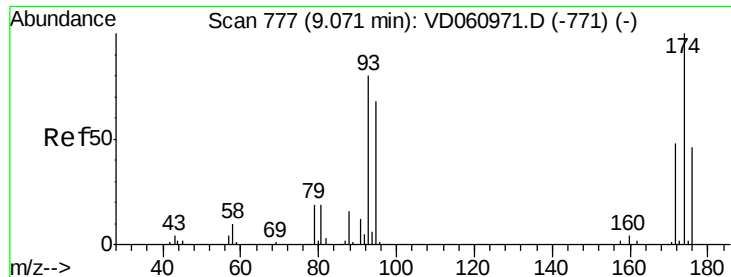
69 80.9 59.9 89.9

39 54.9 40.9 61.3



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

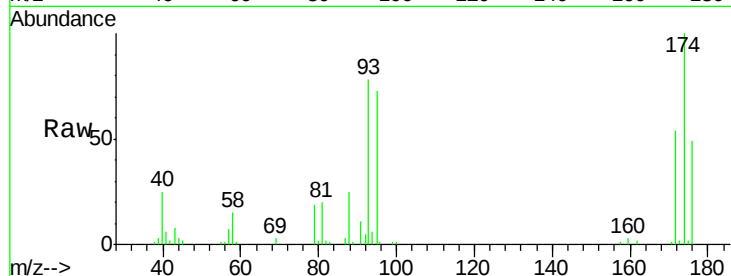




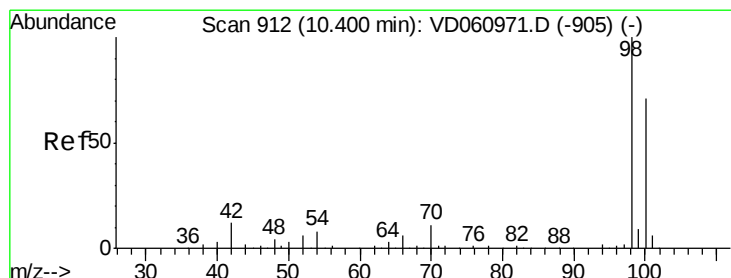
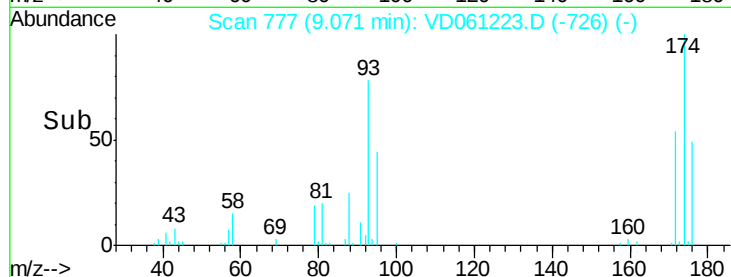
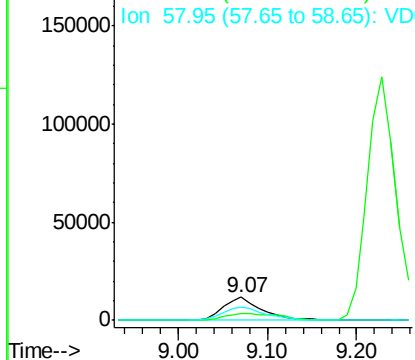
#49
1,4-Dioxane
Concen: 1088.545 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 34655
Ion Ratio Lower Upper
88 100
43 32.3 21.0 31.6#
58 58.5 48.6 72.8

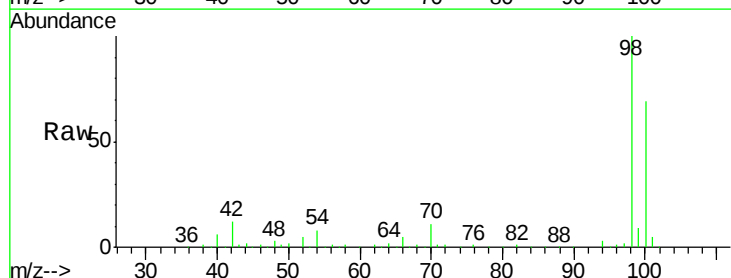


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

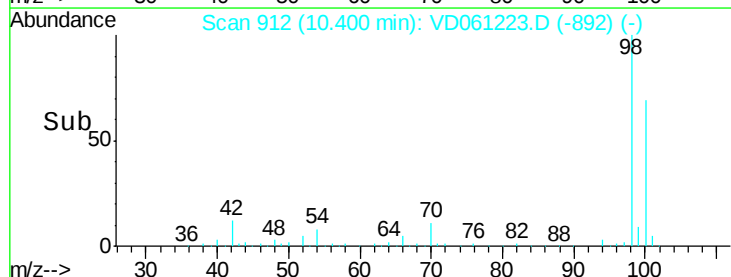
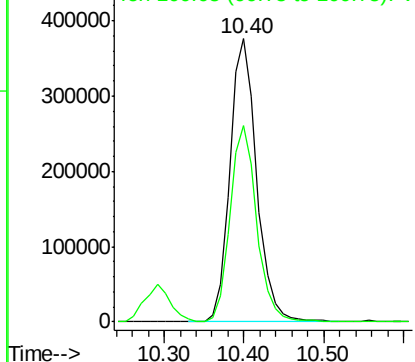


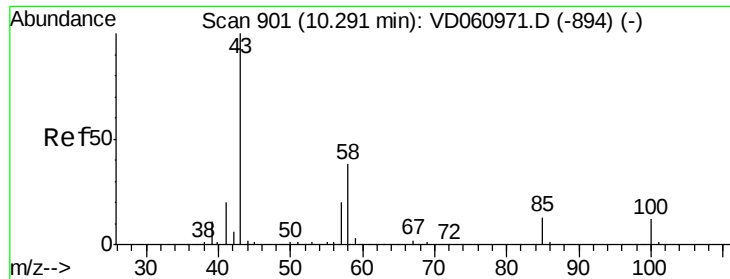
#50
Toluene-d8
Concen: 1088.545 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion: 98 Resp: 882385
Ion Ratio Lower Upper
98 100
100 69.2 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 259.155 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

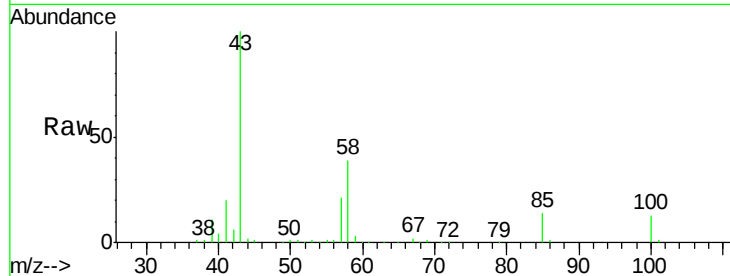
ClientSampleId :

Tot Ion: 43 Resp: 887789

Ion Ratio Lower Upper

43 100

58 39.2 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

400000

300000

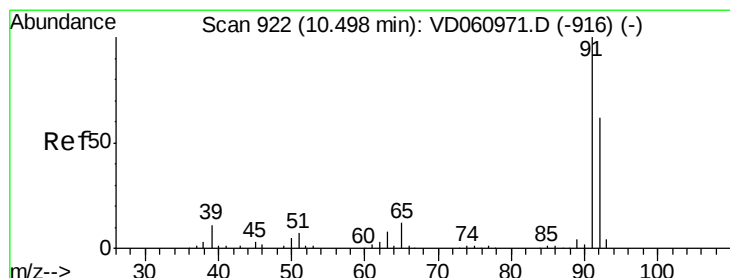
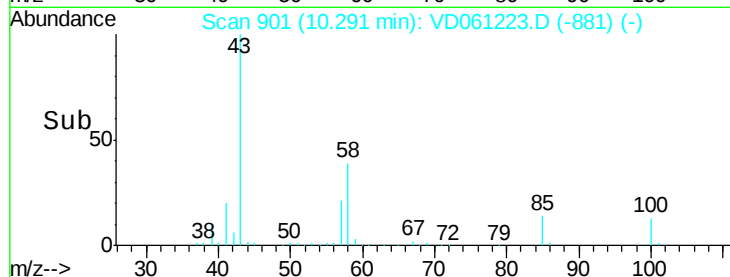
200000

100000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 47.179 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061223.D

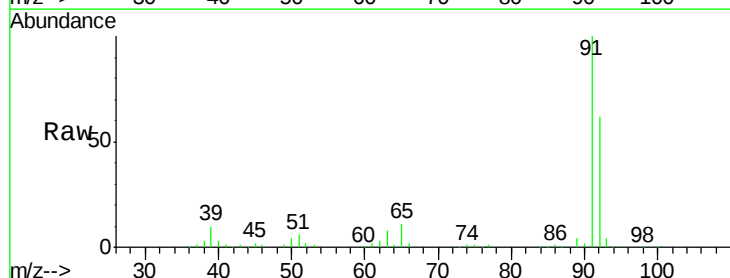
Acq: 20 Mar 2019 23:34

Tgt Ion: 92 Resp: 630708

Ion Ratio Lower Upper

92 100

91 160.9 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

500000

400000

300000

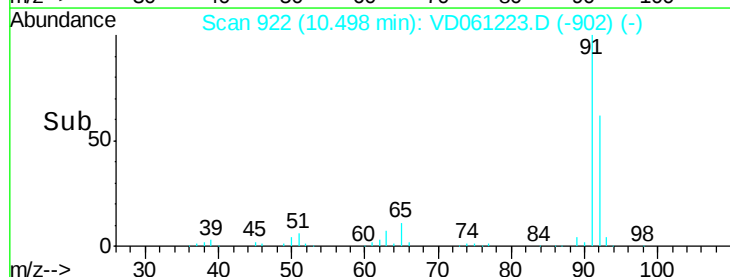
200000

100000

0

Time-->

10.40 10.50 10.60





#53

t-1,3-Dichloropropene

Concen: 54.359 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

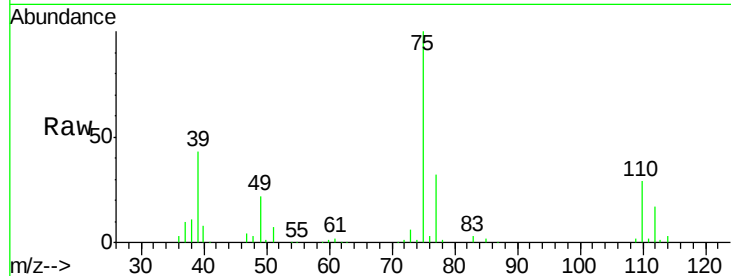
ClientSampleId :

Tot Ion: 75 Resp: 401850

Ion Ratio Lower Upper

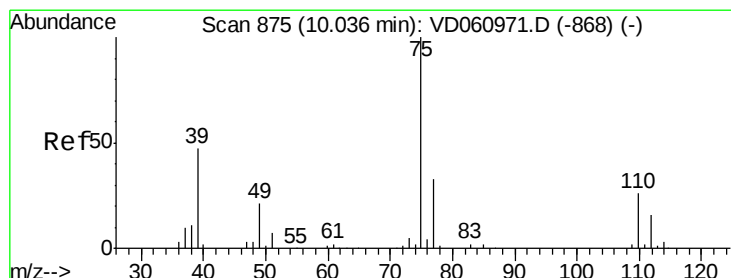
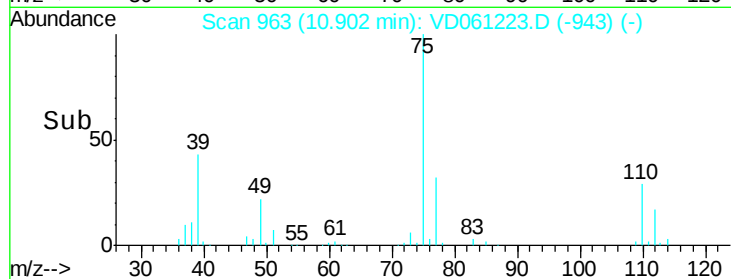
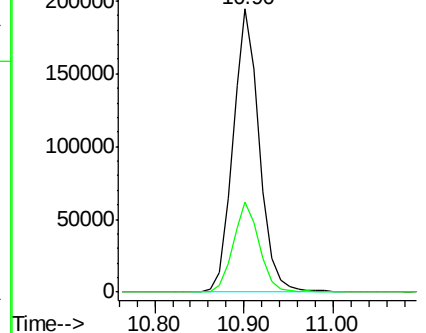
75 100

77 31.8 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 52.603 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

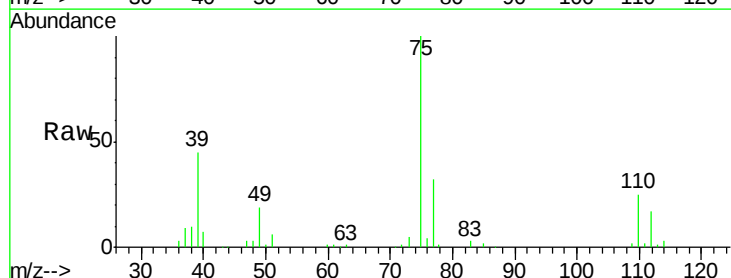
Tgt Ion: 75 Resp: 467230

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4

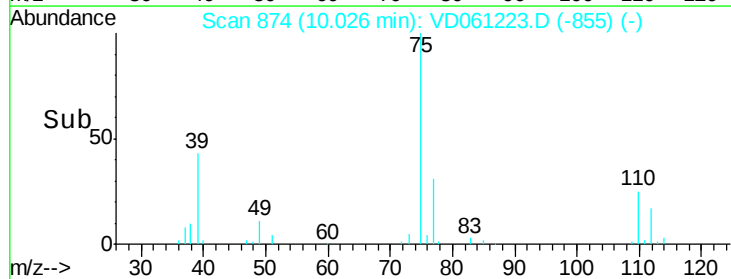
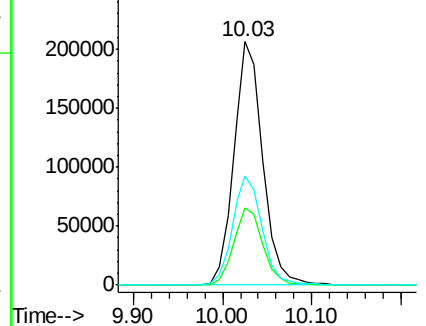
39 45.0 37.8 56.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 50.771 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 226029

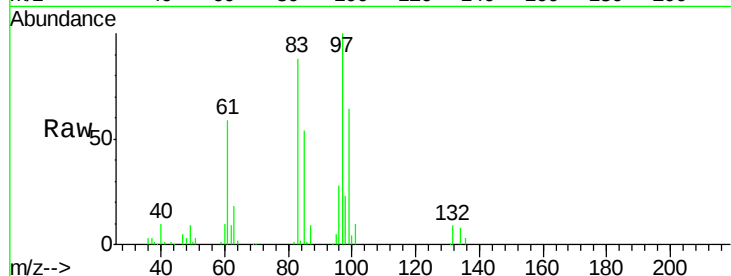
Ion Ratio Lower Upper

97 100

83 88.1 66.6 100.0

85 54.2 46.4 69.6

99 63.9 52.4 78.6

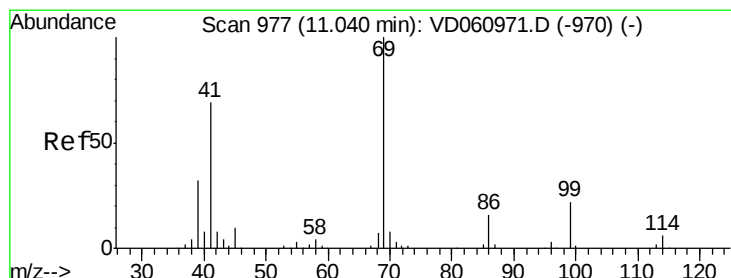
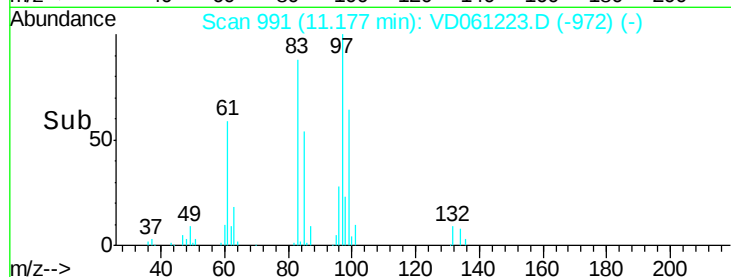
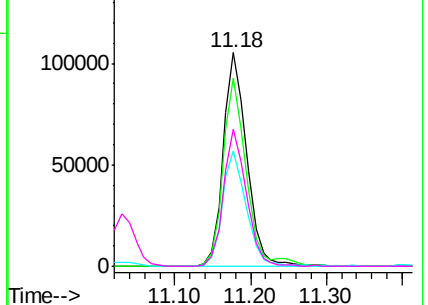


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 50.278 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

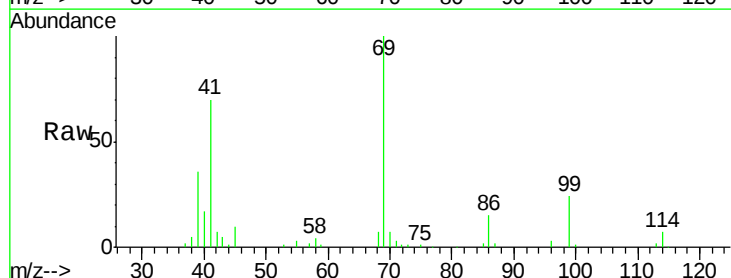
Tgt Ion: 69 Resp: 234288

Ion Ratio Lower Upper

69 100

41 69.6 55.5 83.3

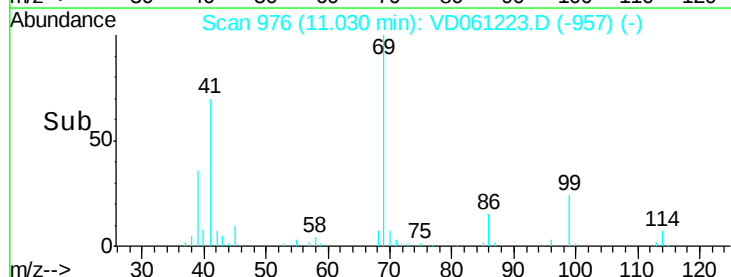
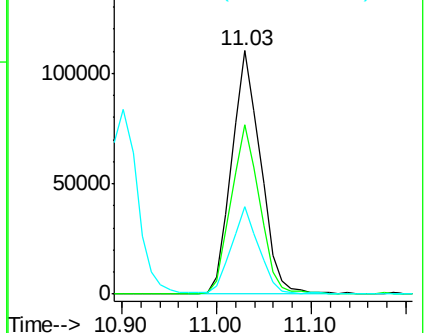
39 36.1 26.2 39.2

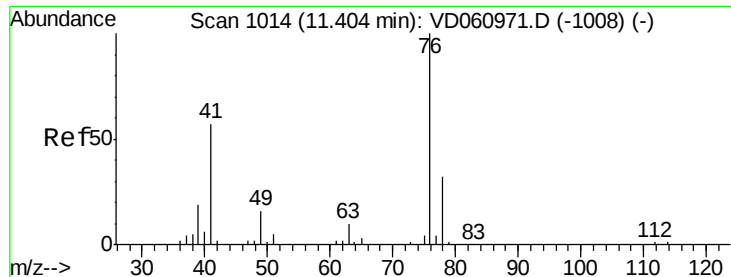


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 53.949 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

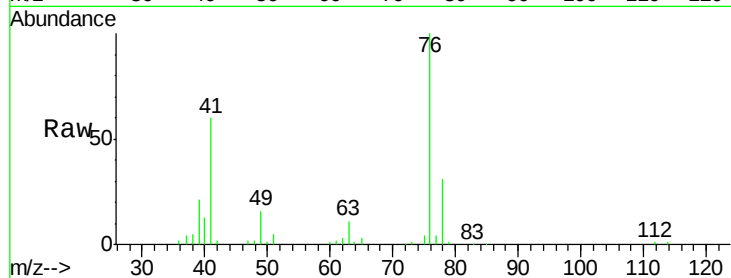
ClientSampled :

Tot Ion: 76 Resp: 358920

Ion Ratio Lower Upper

76 100

78 31.4 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.39

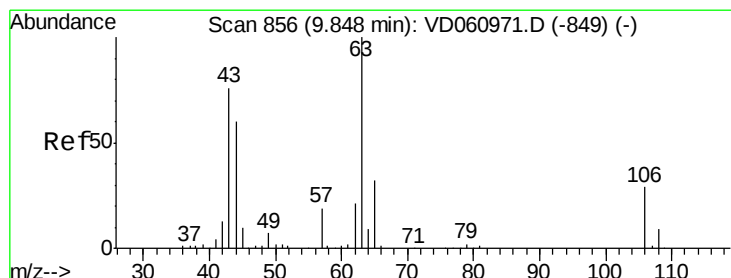
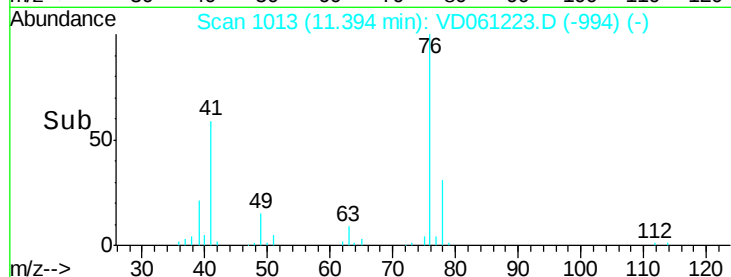
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.332 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD061223.D

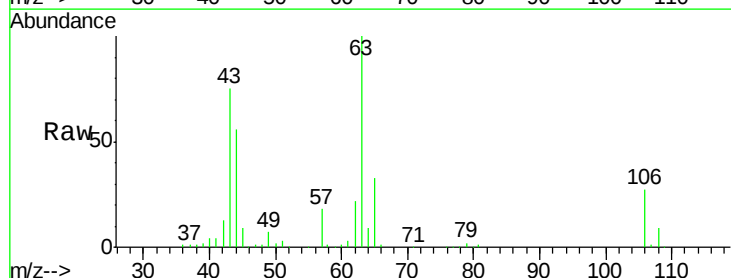
Acq: 20 Mar 2019 23:34

Tgt Ion: 63 Resp: 610064

Ion Ratio Lower Upper

63 100

106 27.2 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

300000

250000

200000

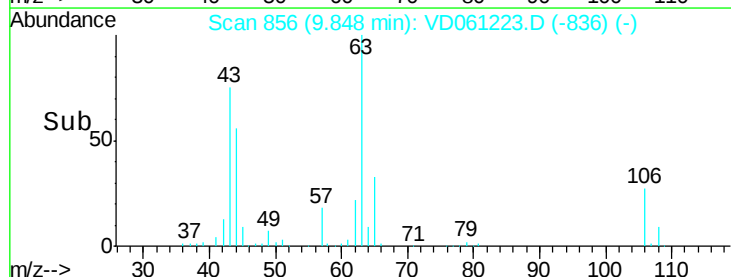
150000

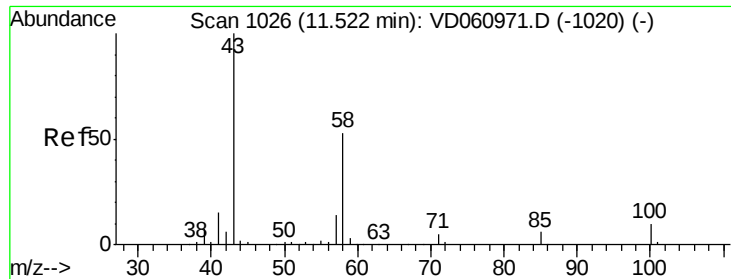
100000

50000

0

Time-->

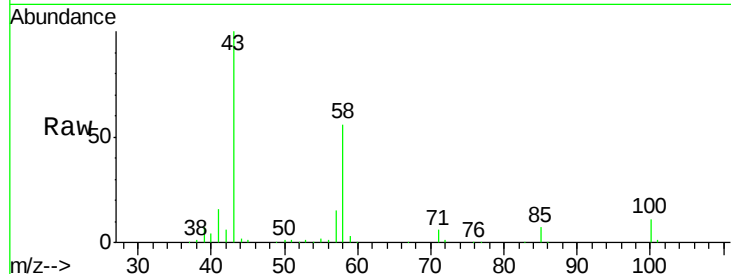




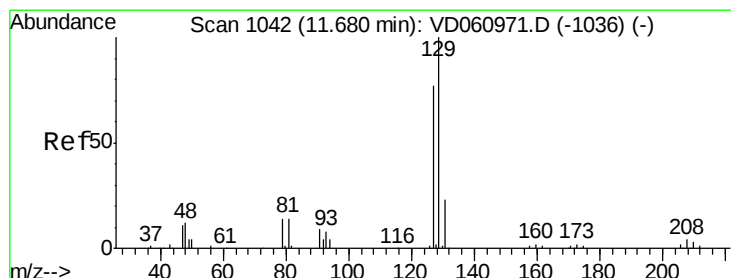
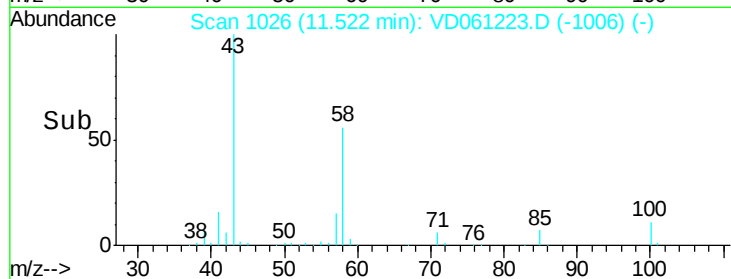
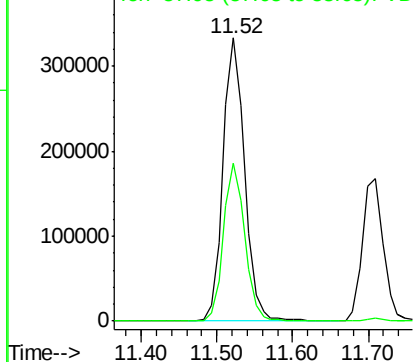
#59
2-Hexanone
Concen: 263.041 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 659151
Ion Ratio Lower Upper
43 100
58 56.0 26.5 79.5

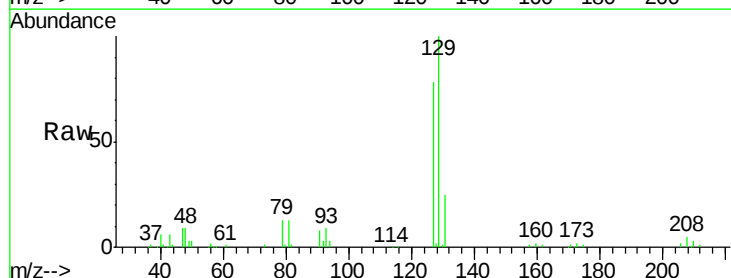


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

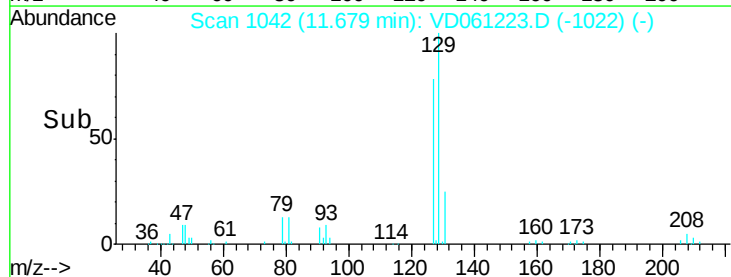
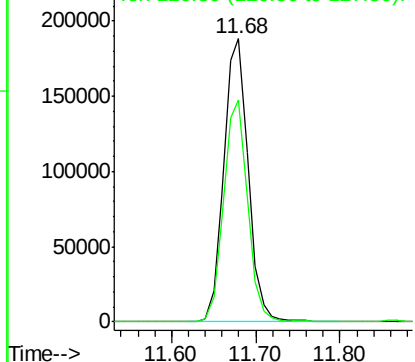


#60
Dibromochloromethane
Concen: 57.734 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion: 129 Resp: 378269
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.9



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

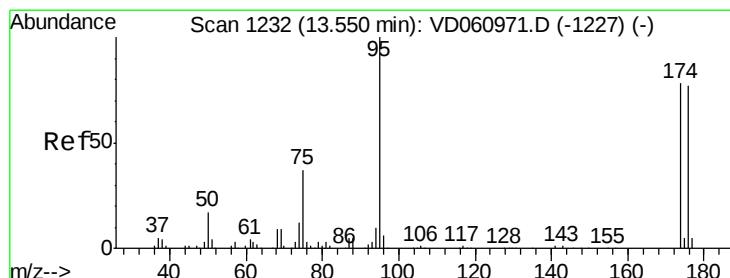
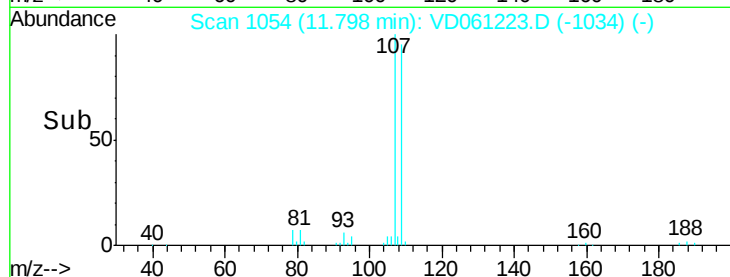
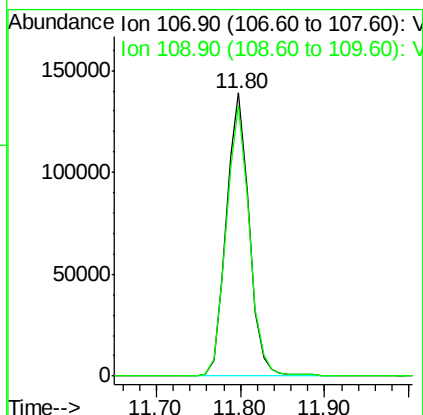
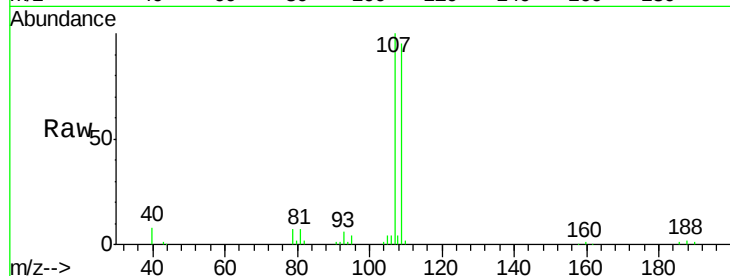




#61
1,2-Dibromoethane
Concen: 50.486 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

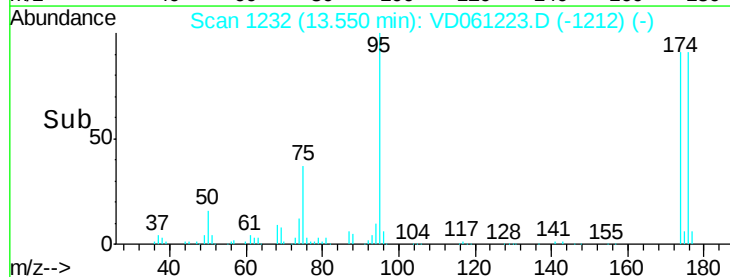
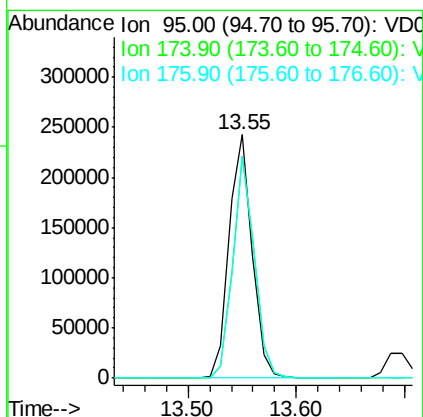
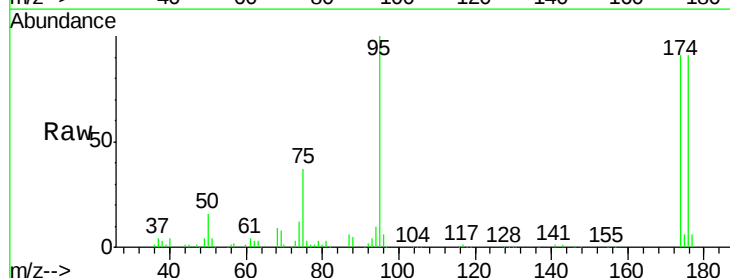
Instrument :
MSVOA_D
ClientSampleId :

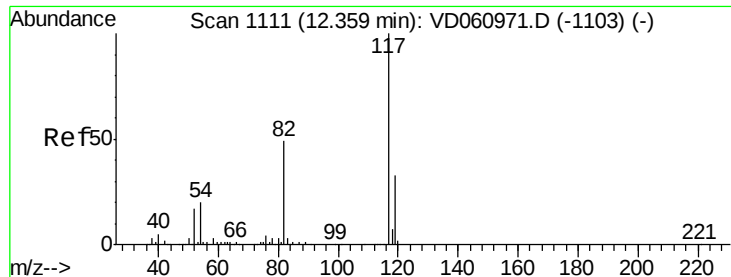
Tot Ion:107 Resp: 261460
Ion Ratio Lower Upper
107 100
109 95.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 50.486 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion: 95 Resp: 358105
Ion Ratio Lower Upper
95 100
174 91.2 0.0 155.6
176 91.0 0.0 153.8

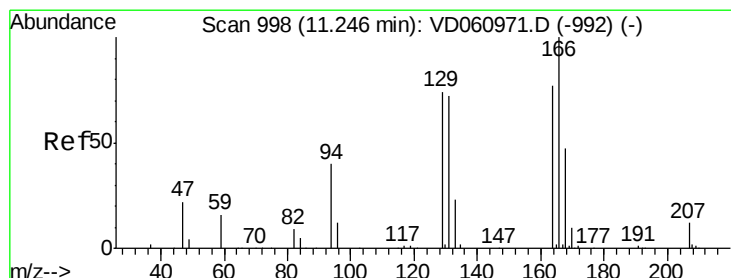
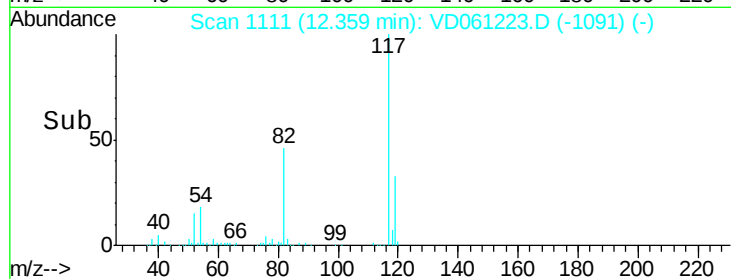
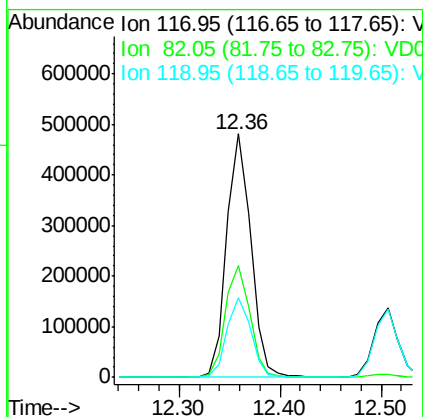
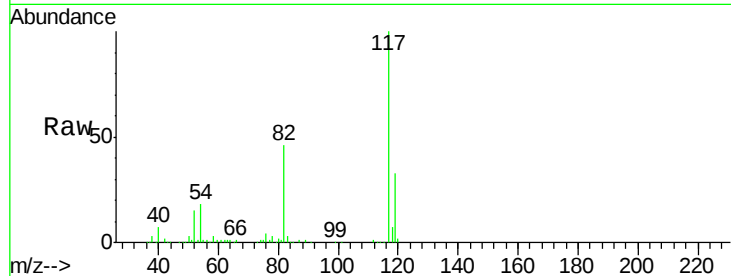




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

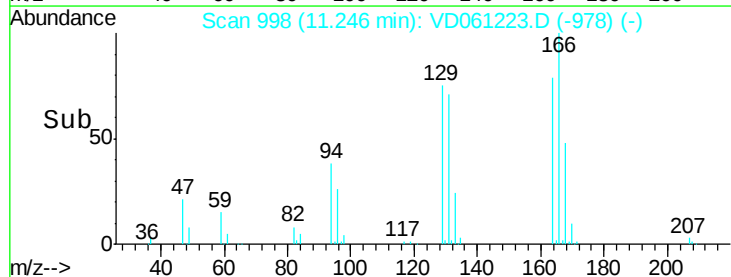
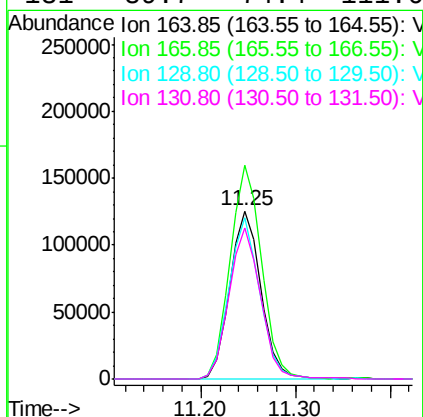
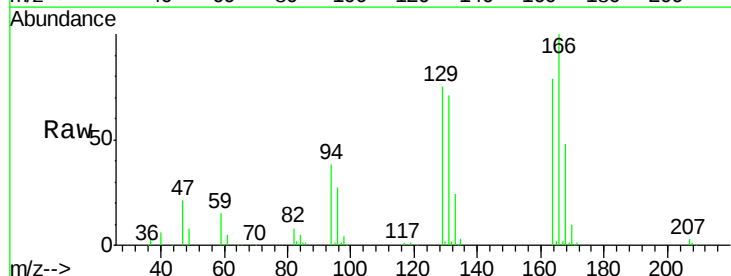
Instrument :
MSVOA_D
ClientSampleId :

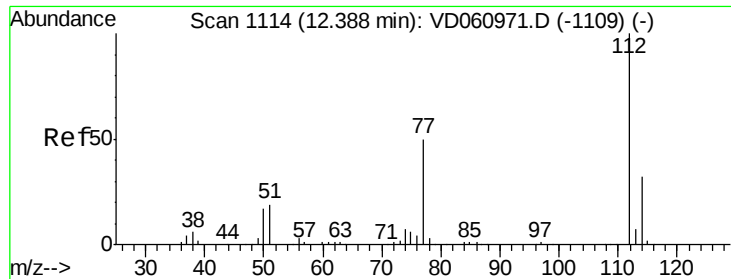
Tot Ion:117 Resp: 803856
Ion Ratio Lower Upper
117 100
82 46.1 38.9 58.3
119 32.9 26.6 39.8



#64
Tetrachloroethene
Concen: 52.422 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion:164 Resp: 284462
Ion Ratio Lower Upper
164 100
166 127.0 103.4 155.0
129 95.7 76.9 115.3
131 89.7 74.4 111.6

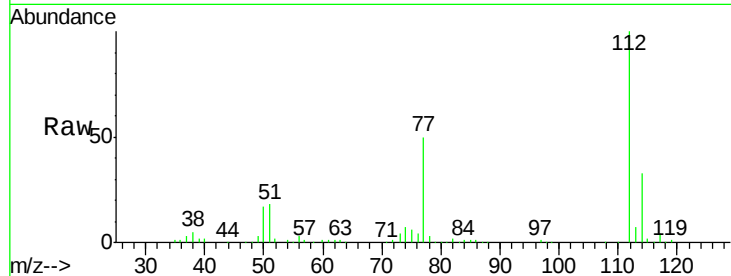




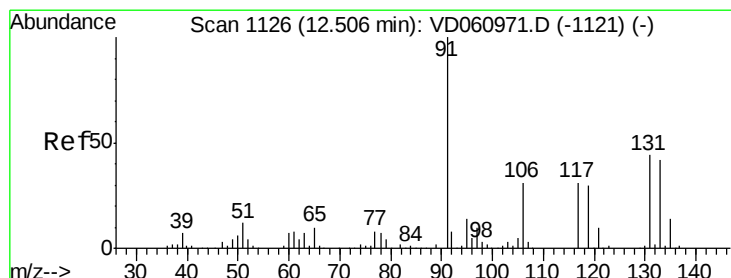
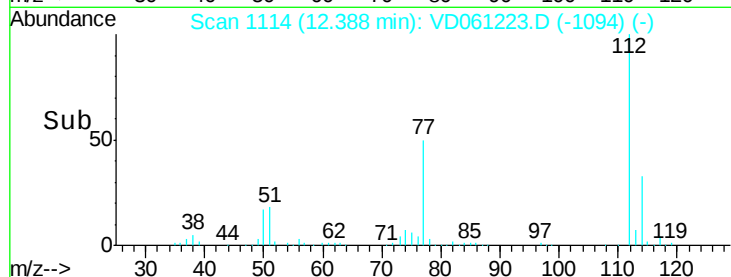
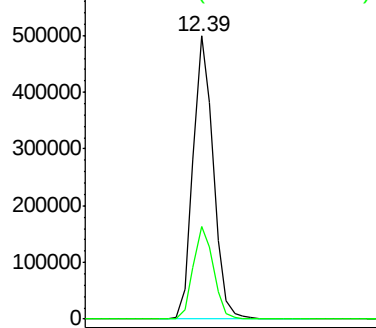
#65
Chlorobenzene
Concen: 53.025 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:112 Resp: 835626
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

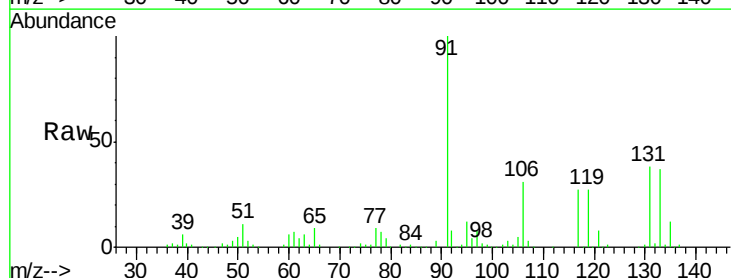


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

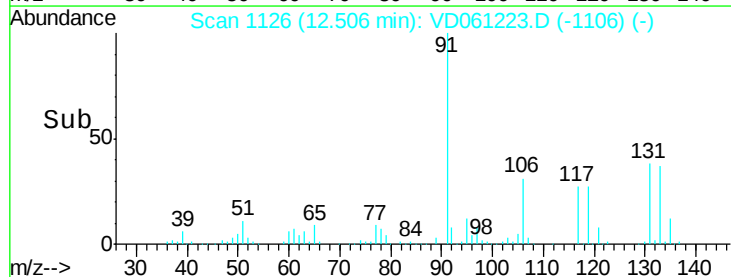
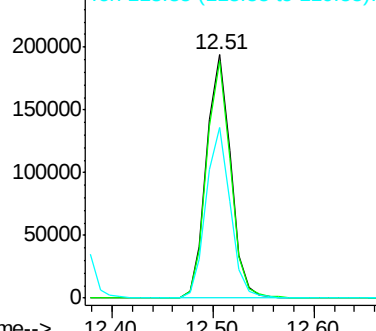


#66
1,1,1,2-Tetrachloroethane
Concen: 57.723 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion:131 Resp: 324249
Ion Ratio Lower Upper
131 100
133 97.7 47.8 143.3
119 69.9 34.3 102.9



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

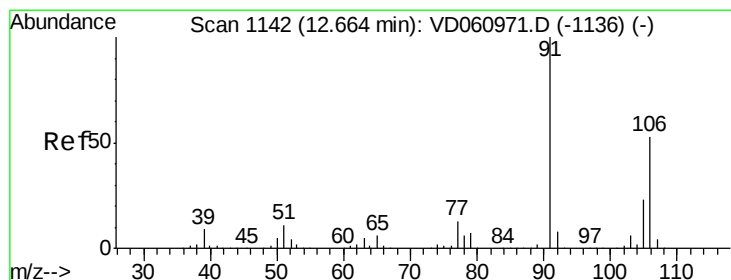
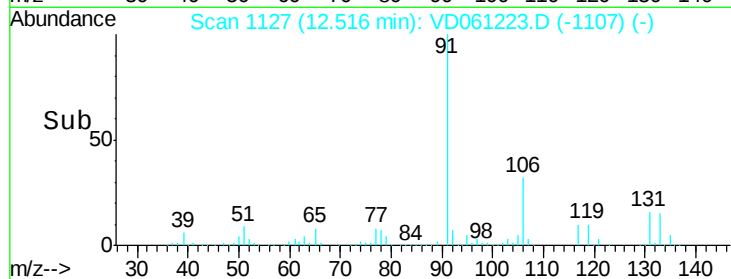
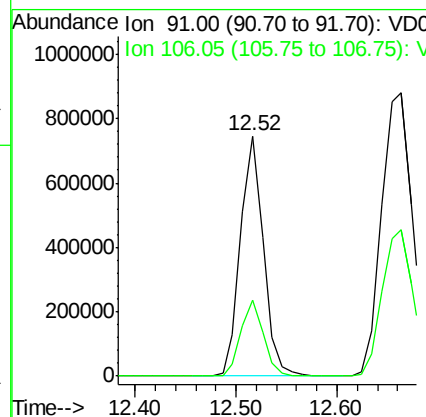
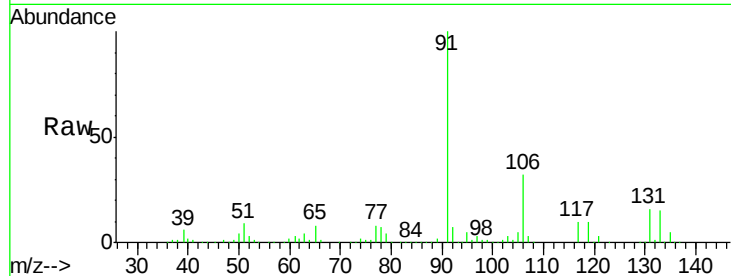




#67
Ethyl Benzene
Concen: 50.396 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

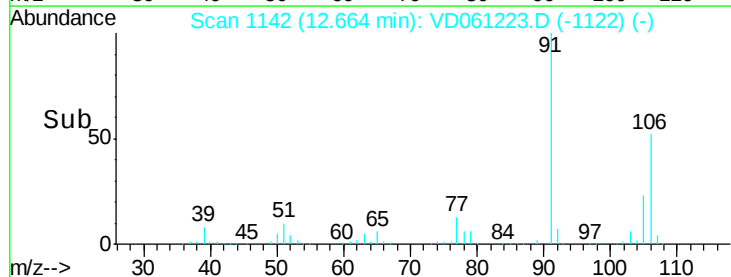
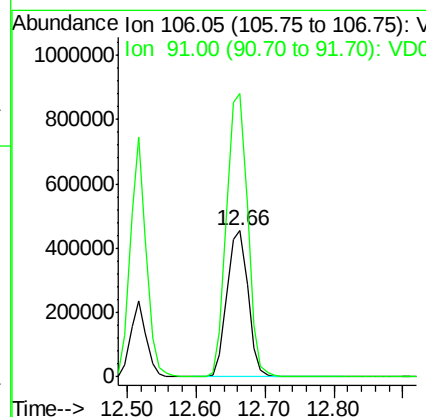
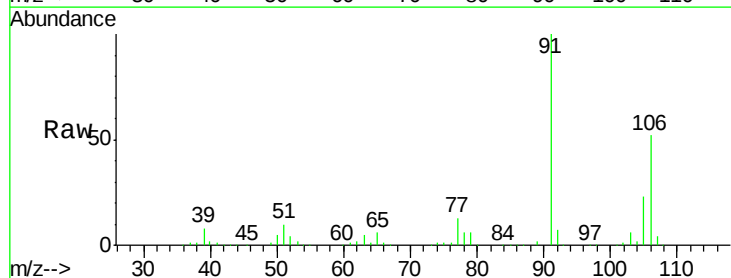
Instrument :
MSVOA_D
ClientSampleID :

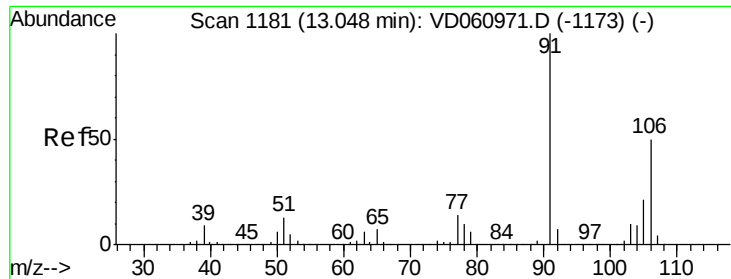
Tot Ion: 91 Resp: 1182343
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5



#68
m/p-Xylenes
Concen: 104.615 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion: 106 Resp: 963330
Ion Ratio Lower Upper
106 100
91 193.8 152.0 228.0

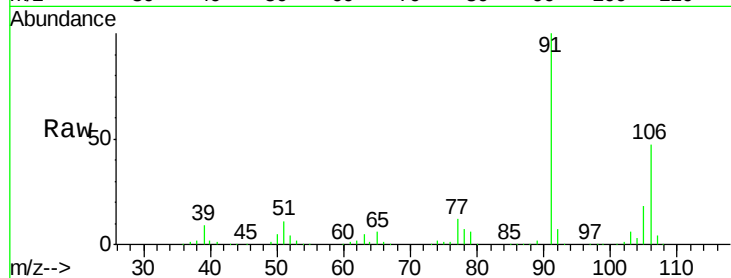




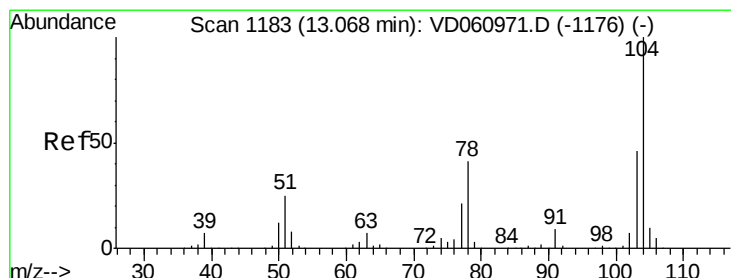
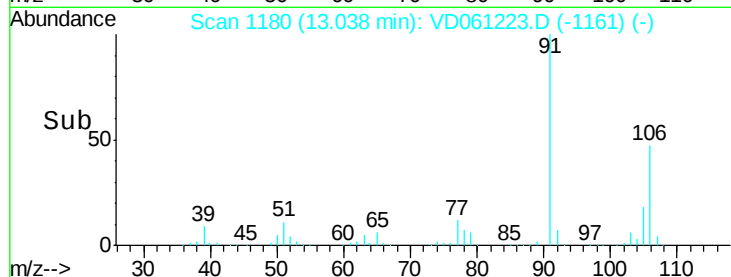
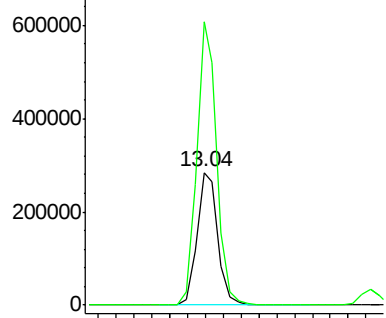
#69
o-Xylene
Concen: 51.735 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 468279
Ion Ratio Lower Upper
106 100
91 212.9 99.8 299.3

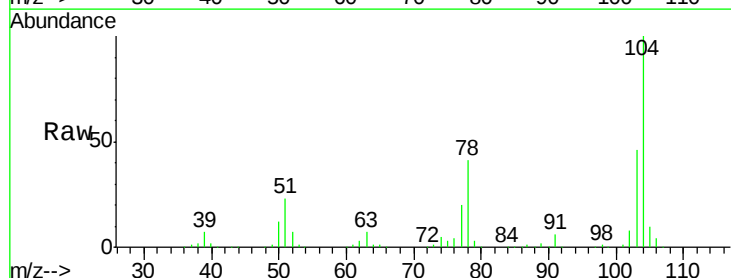


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

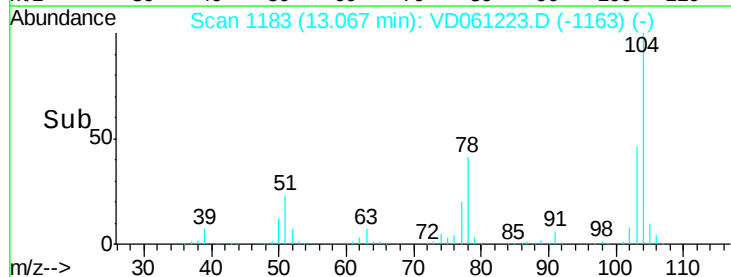
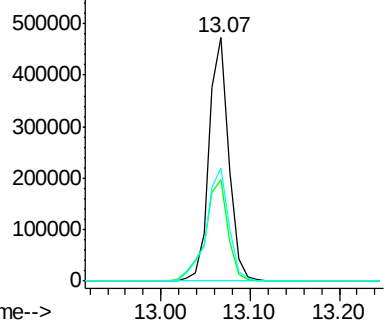


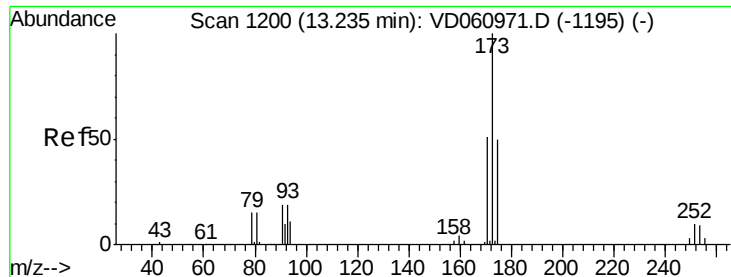
#70
Styrene
Concen: 49.482 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion:104 Resp: 731353
Ion Ratio Lower Upper
104 100
78 41.5 33.0 49.4
103 46.5 37.1 55.7



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

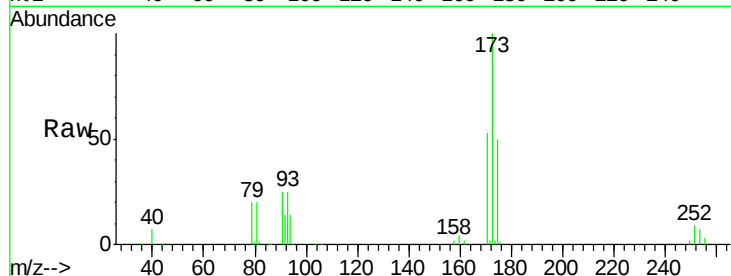




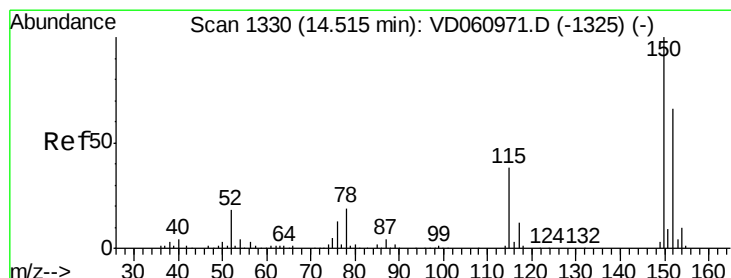
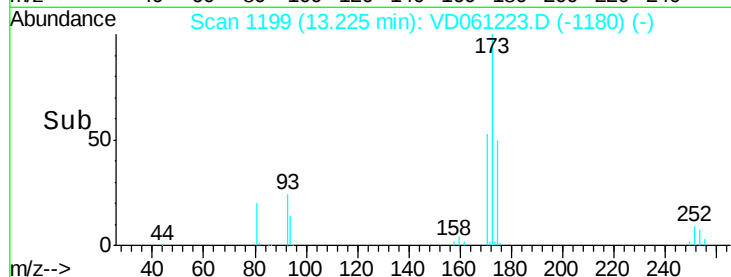
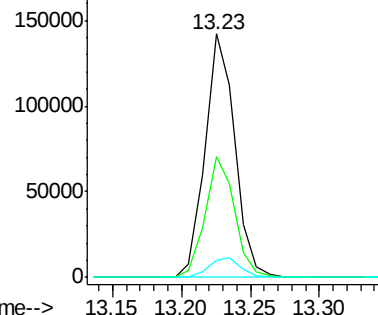
#71
Bromoform
Concen: 58.666 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 212594
Ion Ratio Lower Upper
173 100
175 49.6 24.9 74.8
254 7.2 7.3 10.9#

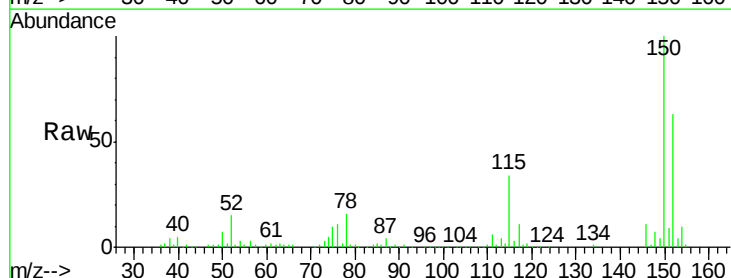


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

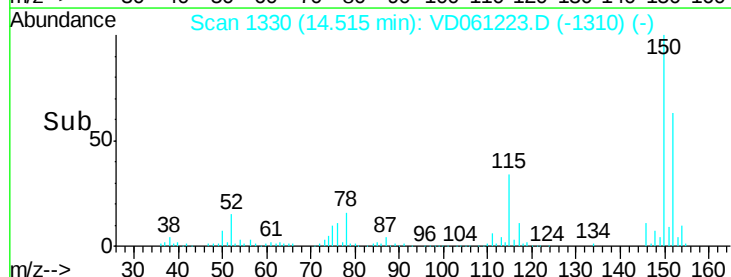
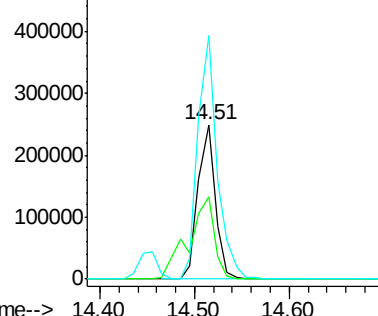


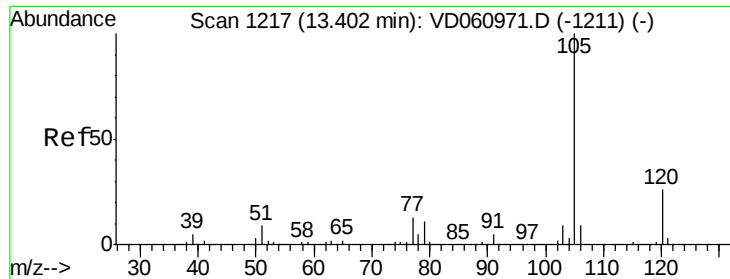
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion:152 Resp: 316095
Ion Ratio Lower Upper
152 100
115 53.3 28.6 85.9
150 157.9 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.205 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

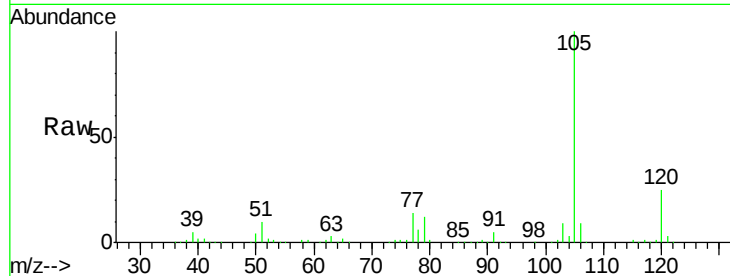
ClientSampleId :

Tot Ion:105 Resp: 1303133

Ion Ratio Lower Upper

105 100

120 25.1 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

800000

600000

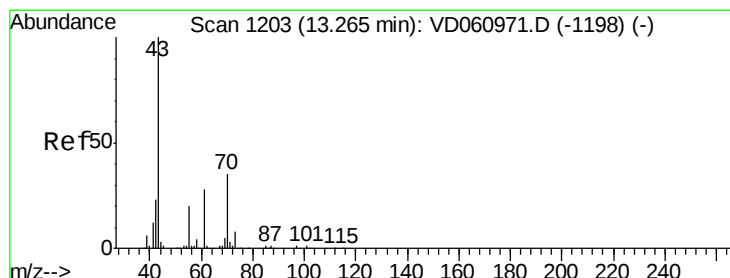
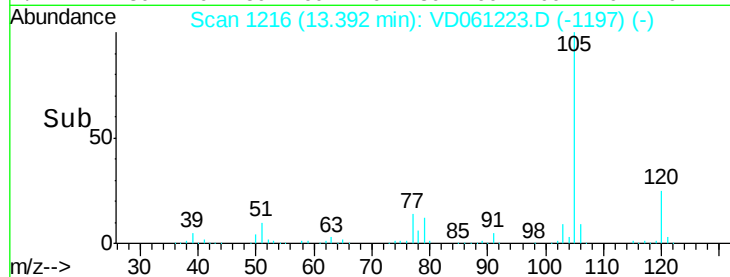
400000

200000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 49.078 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Tgt Ion: 43 Resp: 314805

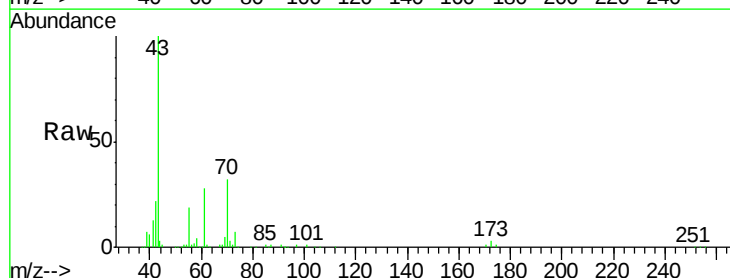
Ion Ratio Lower Upper

43 100

70 32.3 27.7 41.5

55 19.5 16.2 24.2

61 28.0 22.3 33.5



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

250000

200000

150000

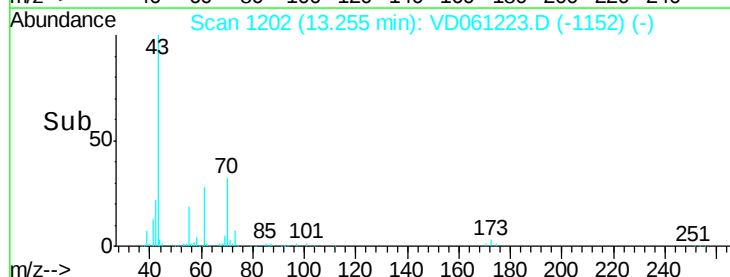
100000

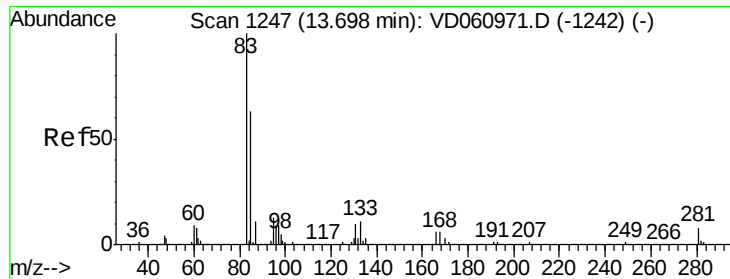
50000

0

Time-->

13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 62.350 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

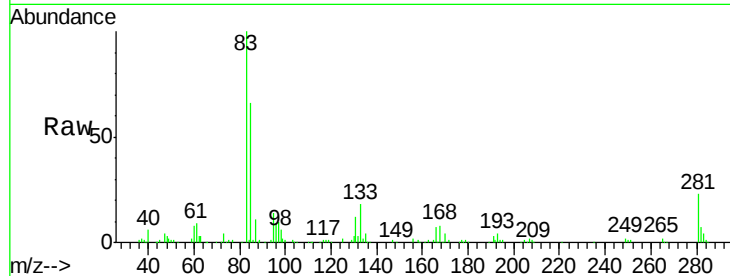
Tot Ion: 83 Resp: 277121

Ion Ratio Lower Upper

83 100

131 11.8 5.1 15.3

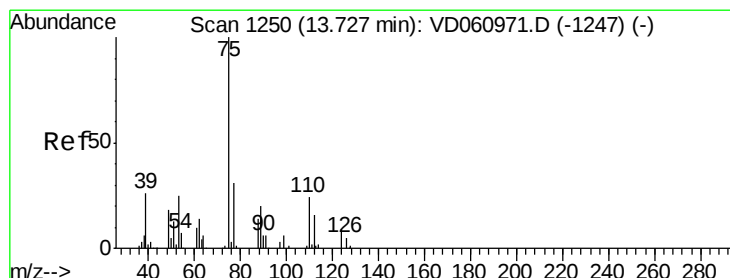
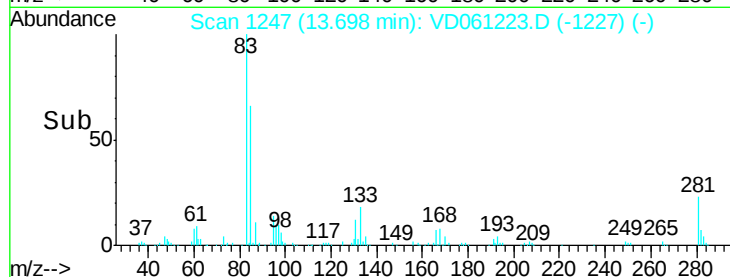
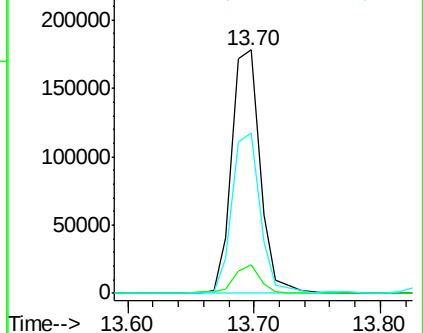
85 65.8 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 60.204 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061223.D

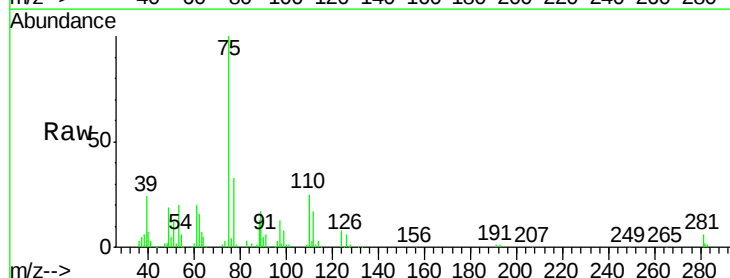
Acq: 20 Mar 2019 23:34

Tgt Ion: 75 Resp: 273782

Ion Ratio Lower Upper

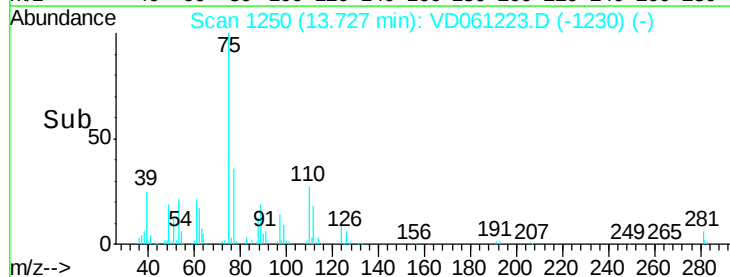
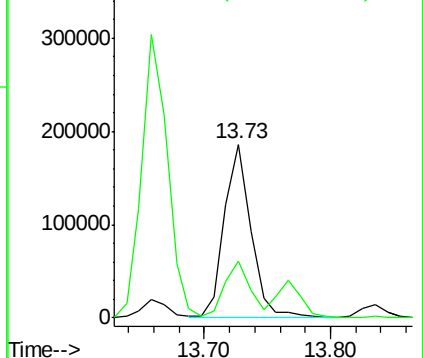
75 100

77 33.1 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 59.330 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

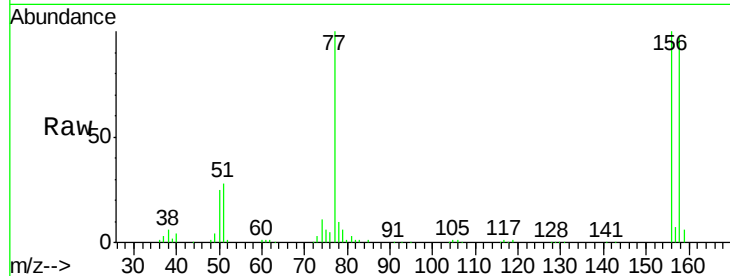
Tot Ion:156 Resp: 345013

Ion Ratio Lower Upper

156 100

77 99.6 55.5 166.7

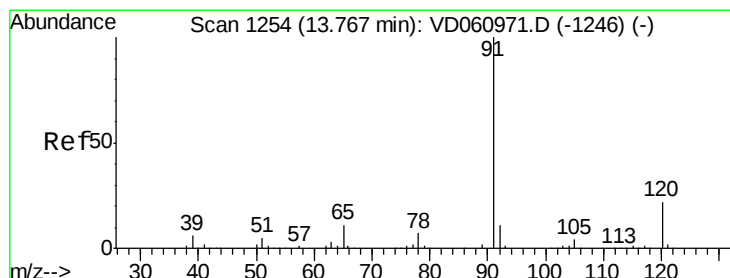
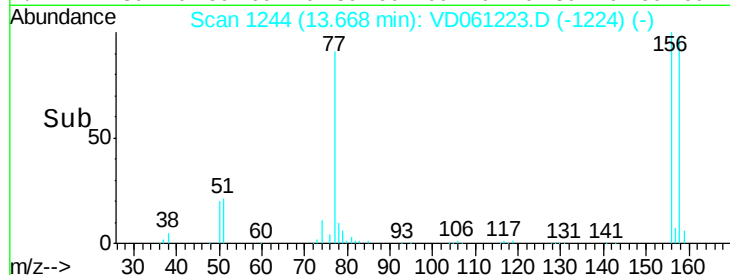
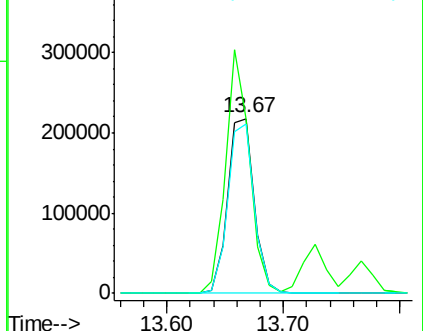
158 96.9 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.656 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061223.D

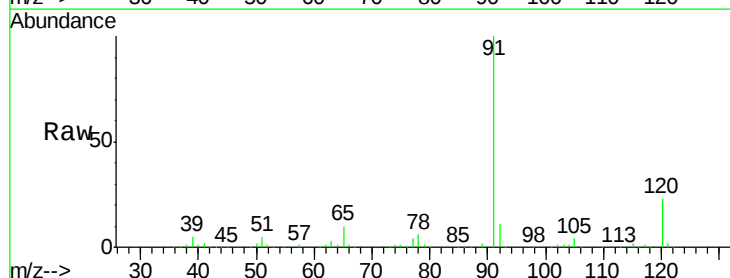
Acq: 20 Mar 2019 23:34

Tgt Ion: 91 Resp: 1457618

Ion Ratio Lower Upper

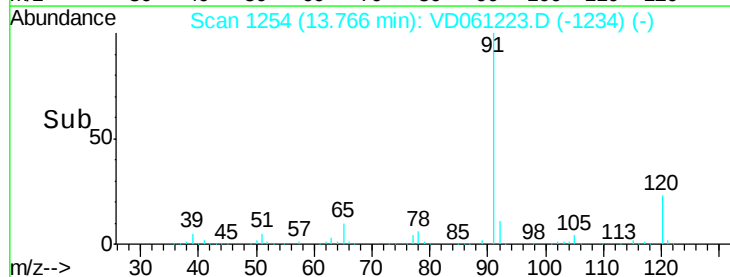
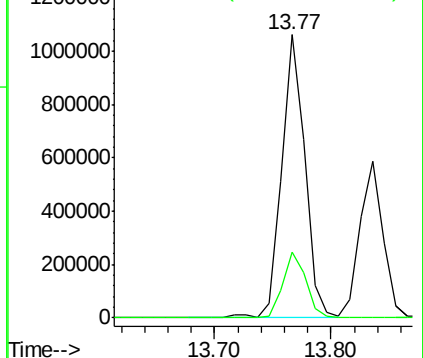
91 100

120 23.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 55.043 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

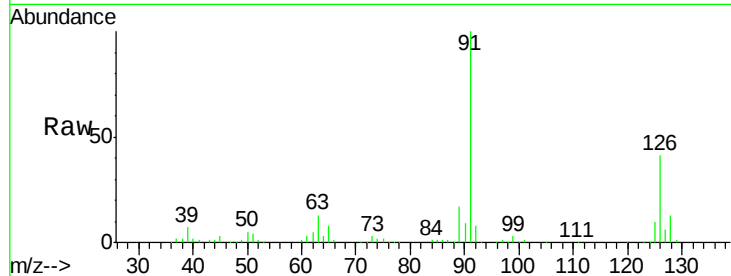
ClientSampleId :

Tot Ion: 91 Resp: 808157

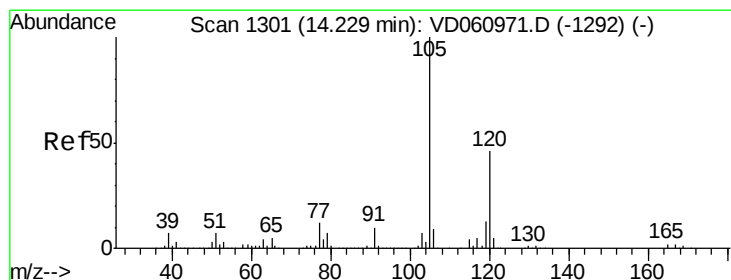
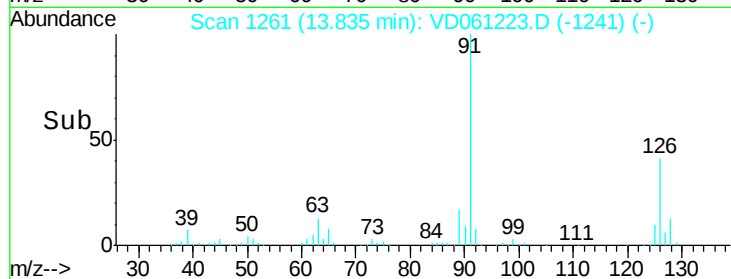
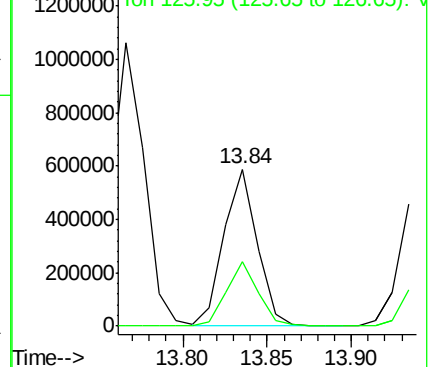
Ion Ratio Lower Upper

91 100

126 41.0 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 58.159 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061223.D

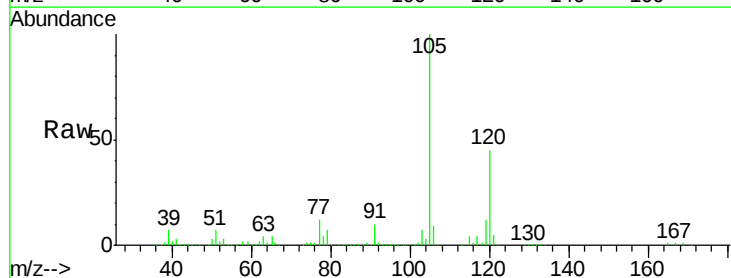
Acq: 20 Mar 2019 23:34

Tgt Ion:105 Resp: 1005801

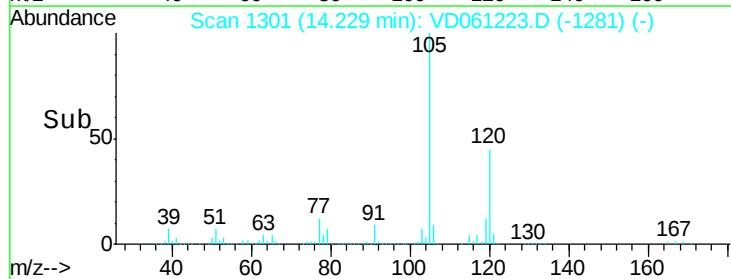
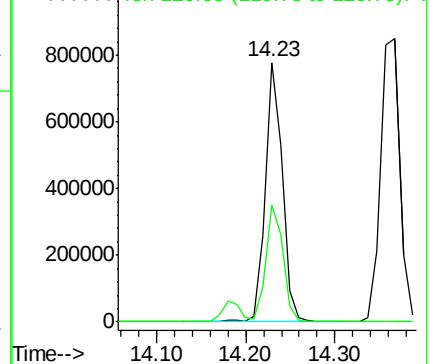
Ion Ratio Lower Upper

105 100

120 45.2 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 60.954 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

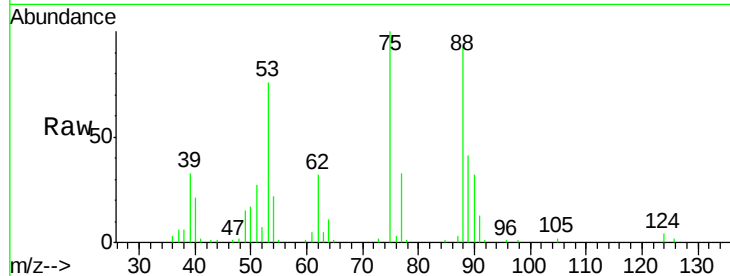
Tot Ion: 75 Resp: 81722

Ion Ratio Lower Upper

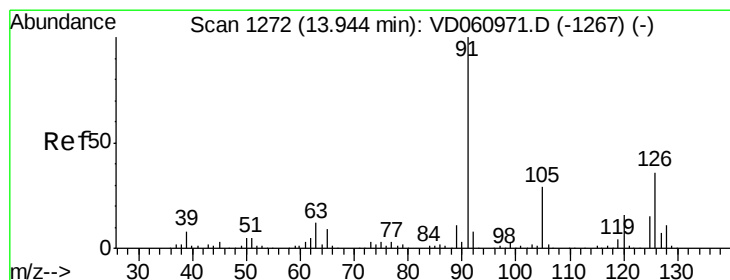
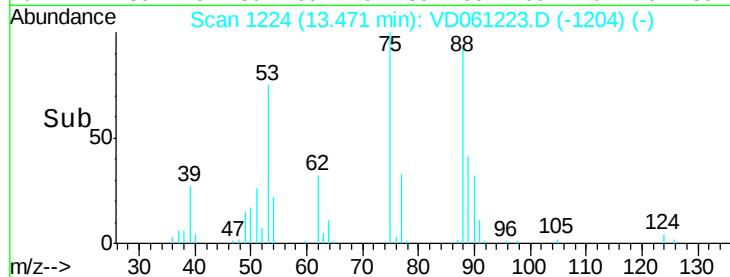
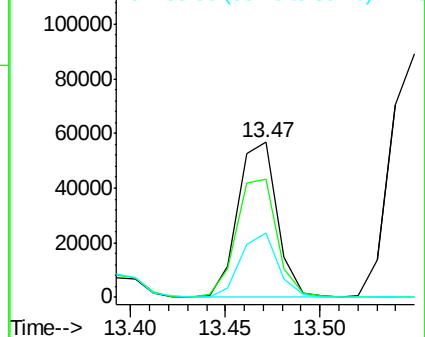
75 100

53 76.2 64.4 96.6

89 41.2 34.8 52.2



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



#82

4-Chlorotoluene

Concen: 49.550 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061223.D

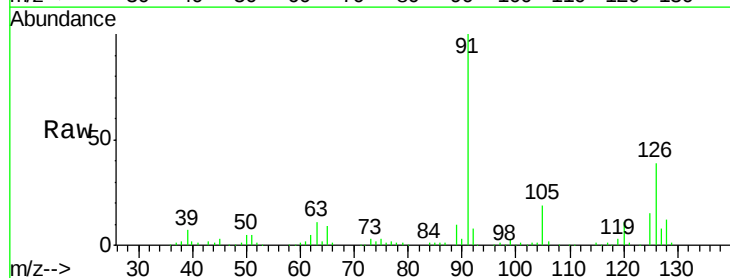
Acq: 20 Mar 2019 23:34

Tgt Ion: 91 Resp: 860046

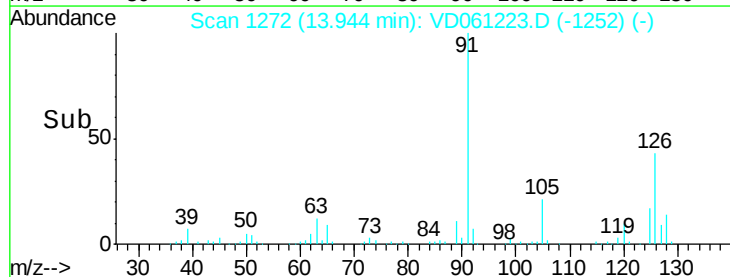
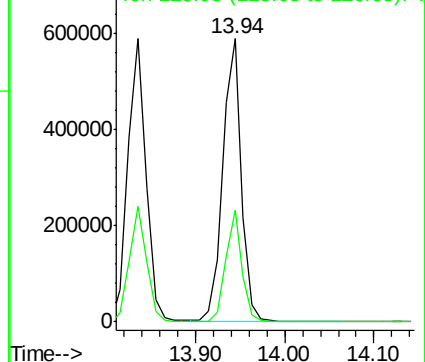
Ion Ratio Lower Upper

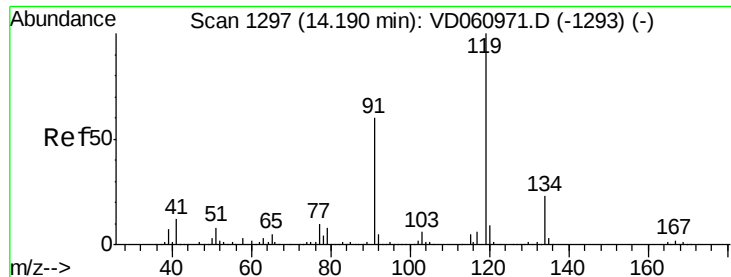
91 100

126 39.4 18.0 54.0



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





#83

tert-Butylbenzene

Concen: 63.262 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

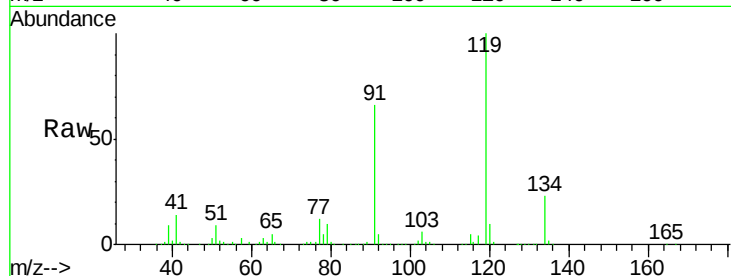
Tot Ion:119 Resp: 1197311

Ion Ratio Lower Upper

119 100

91 65.7 30.1 90.3

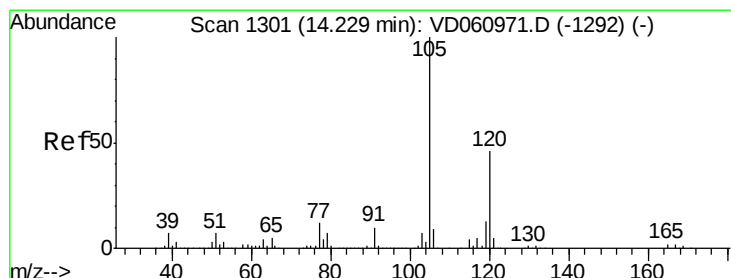
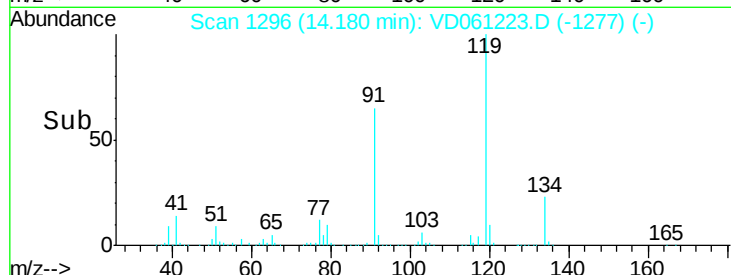
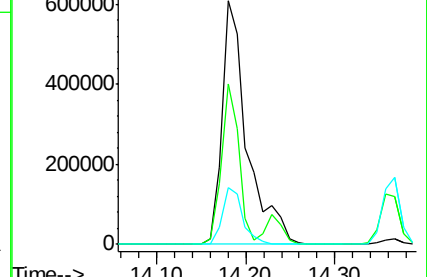
134 23.3 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 58.159 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061223.D

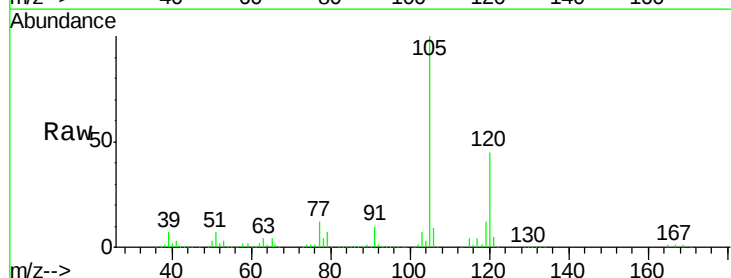
Acq: 20 Mar 2019 23:34

Tgt Ion:105 Resp: 1005801

Ion Ratio Lower Upper

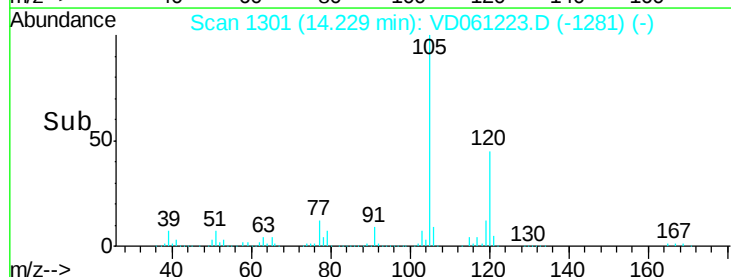
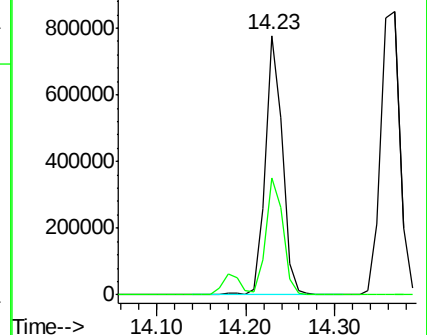
105 100

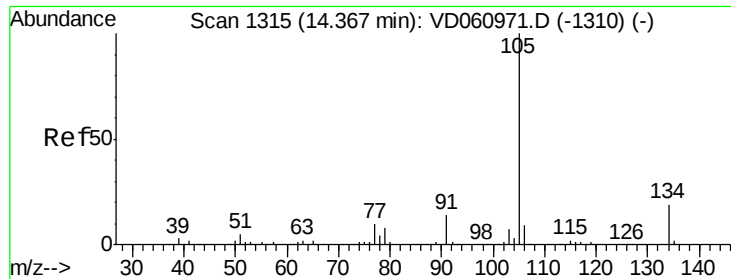
120 45.2 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 54.414 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

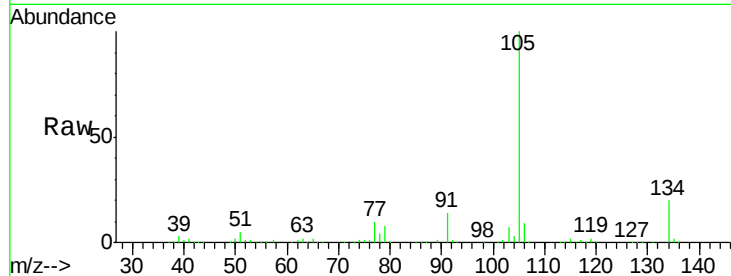
ClientSampled :

Tot Ion:105 Resp: 1257256

Ion Ratio Lower Upper

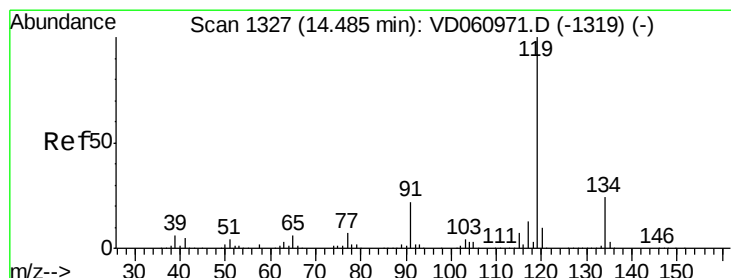
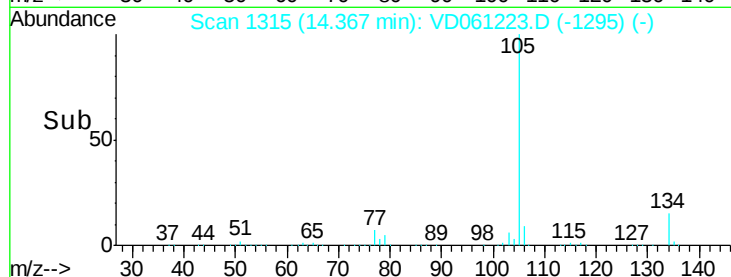
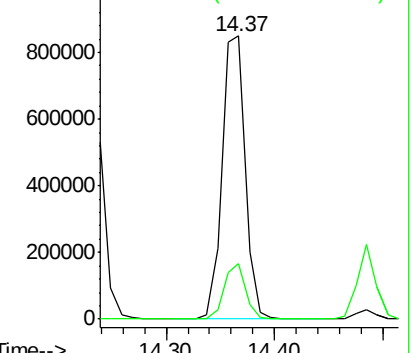
105 100

134 19.8 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 58.180 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

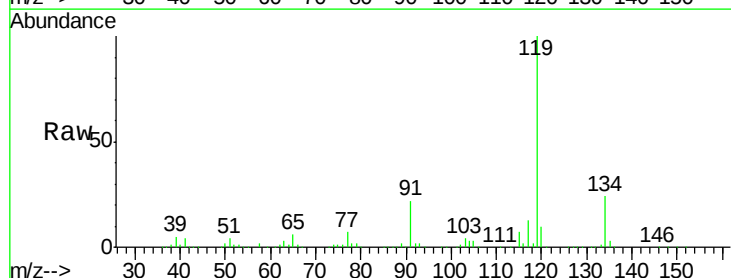
Tgt Ion:119 Resp: 1098805

Ion Ratio Lower Upper

119 100

134 24.5 12.0 36.1

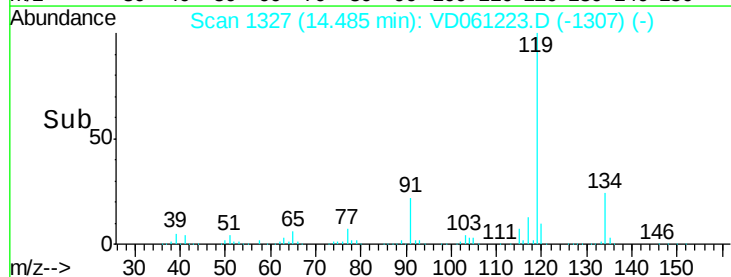
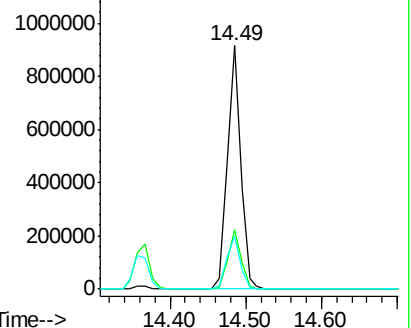
91 21.7 11.2 33.6

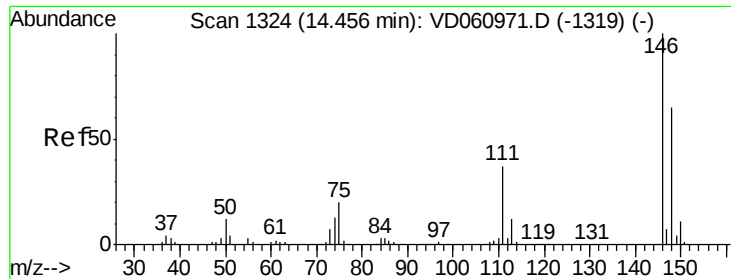


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

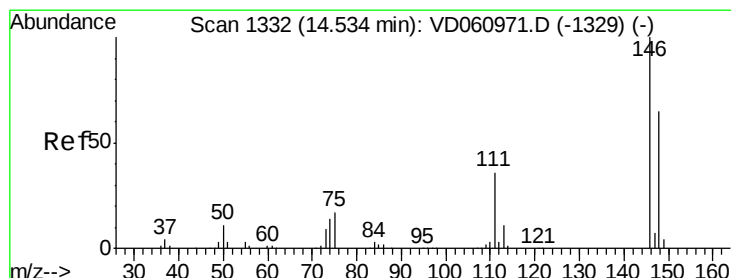
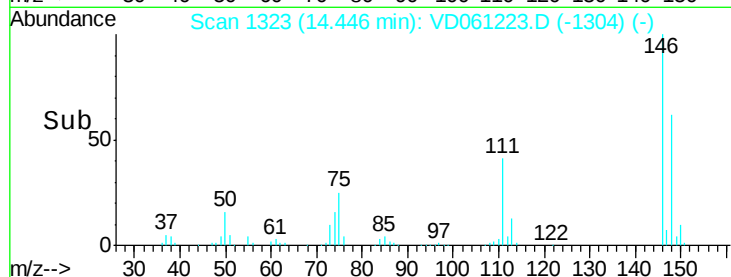
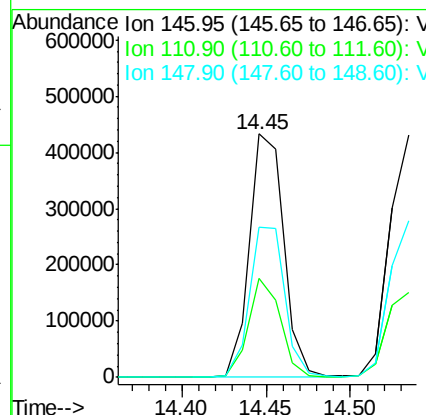
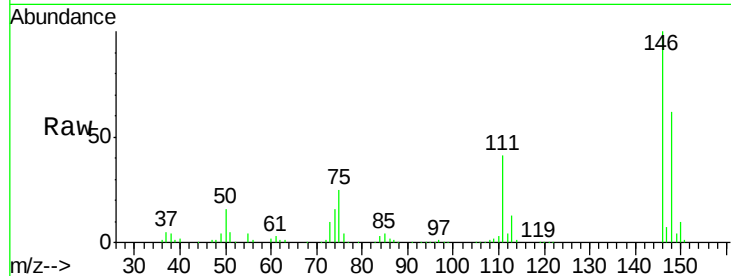




#87
 1,3-Dichlorobenzene
 Concen: 59.275 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

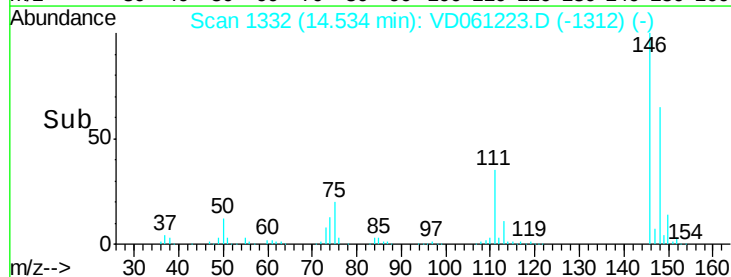
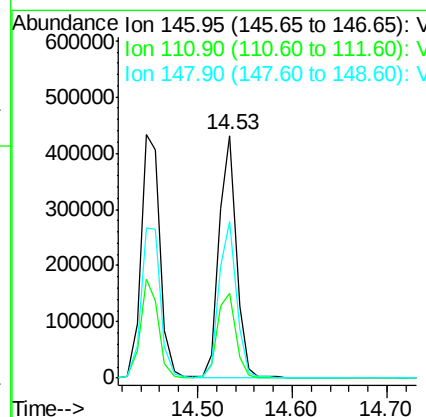
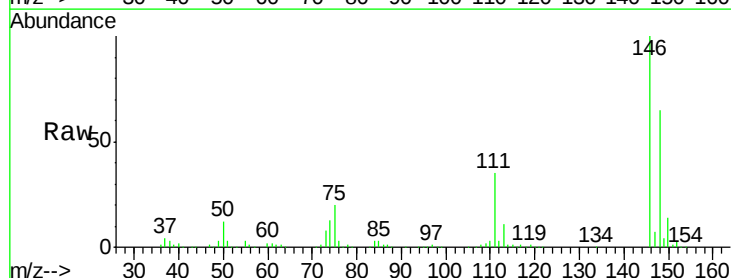
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 615497
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.4 55.4
 148 61.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 53.948 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

Tgt Ion:146 Resp: 550485
 Ion Ratio Lower Upper
 146 100
 111 35.0 18.4 55.2
 148 64.8 32.5 97.5





#89

n-Butylbenzene

Concen: 53.284 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061223.D

Acq: 20 Mar 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

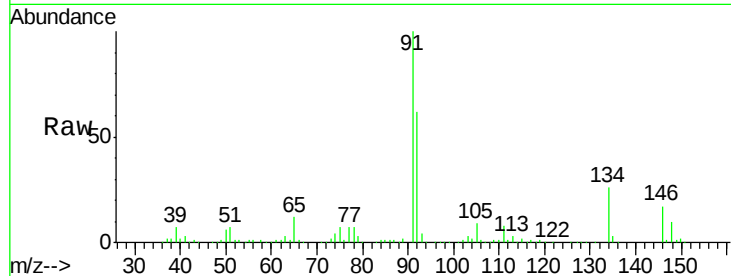
Tot Ion: 91 Resp: 966406

Ion Ratio Lower Upper

91 100

92 61.6 30.6 91.8

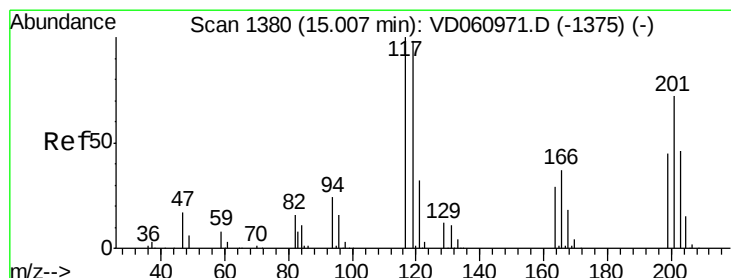
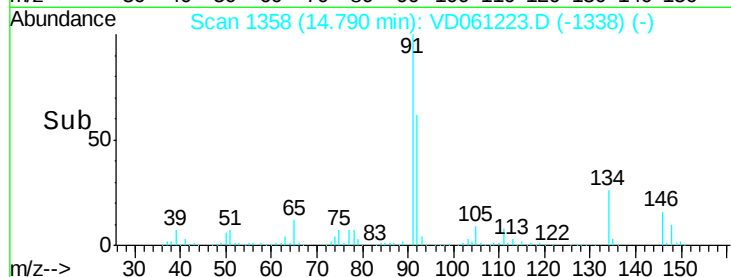
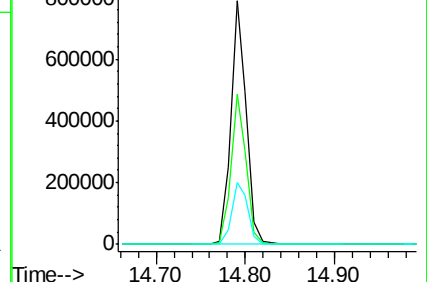
134 25.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 56.675 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061223.D

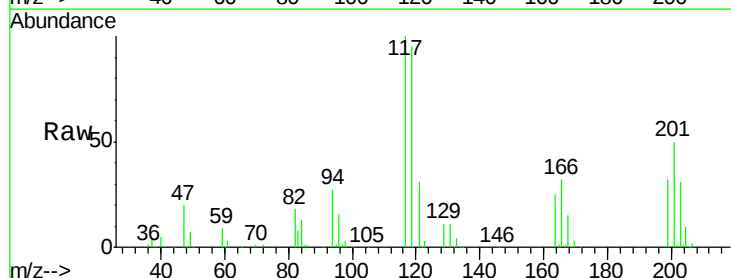
Acq: 20 Mar 2019 23:34

Tgt Ion: 117 Resp: 302243

Ion Ratio Lower Upper

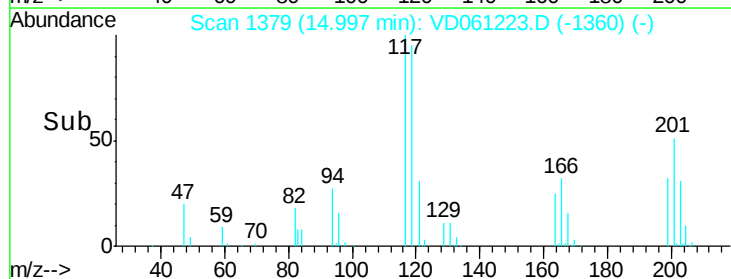
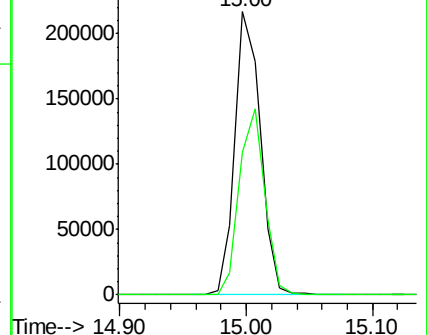
117 100

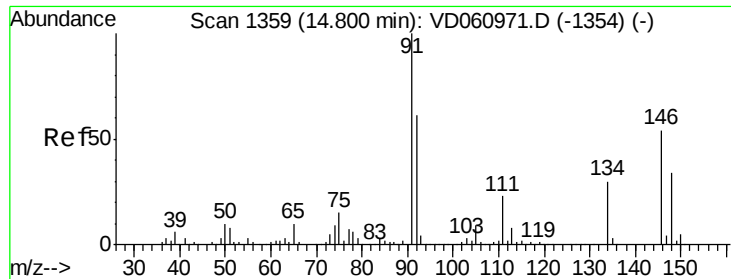
201 50.4 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

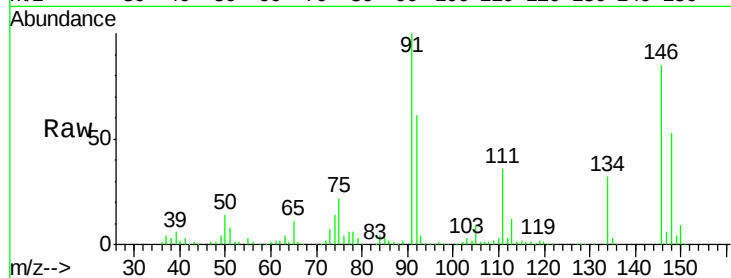




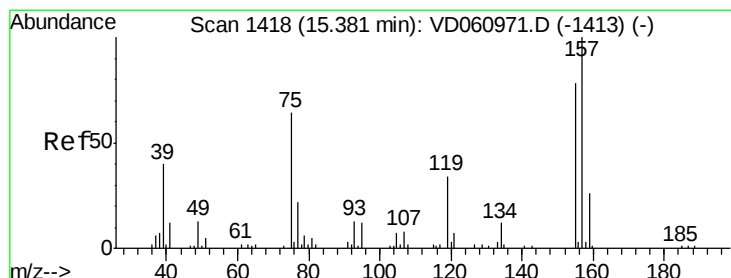
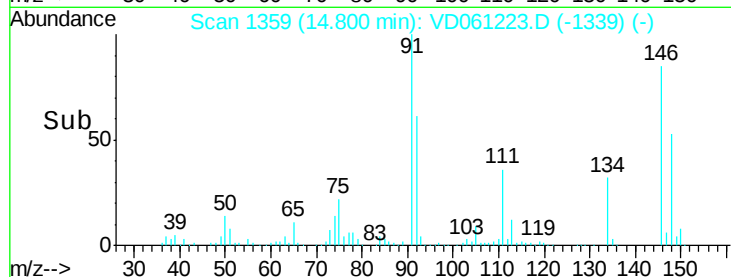
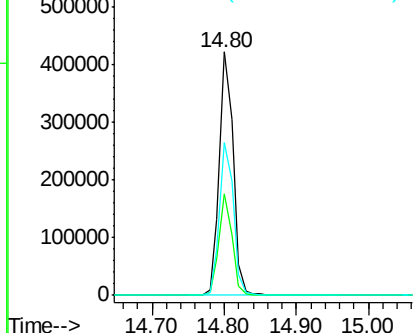
#91
 1,2-Dichlorobenzene
 Concen: 64.362 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 557157
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.5 64.5
 148 62.6 30.9 92.8

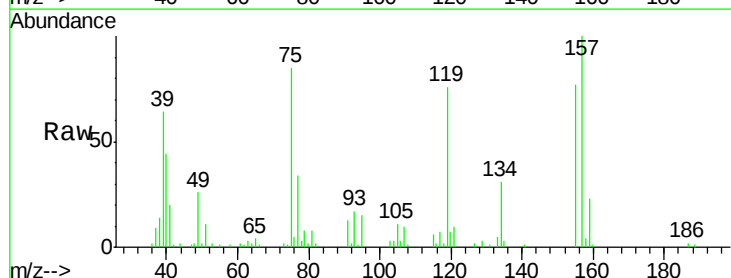


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

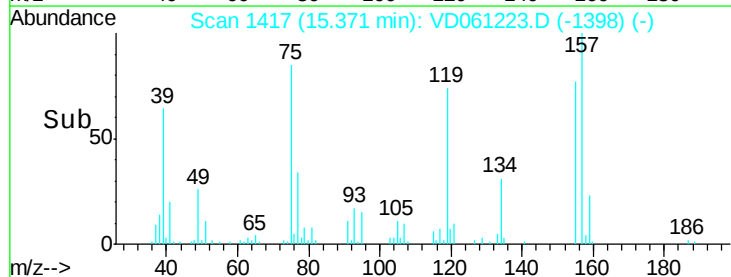
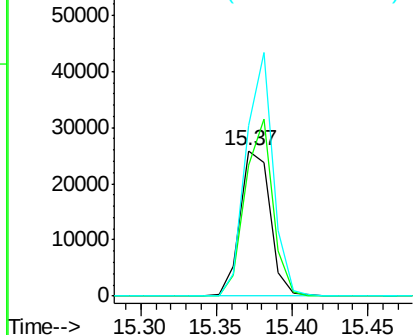


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.405 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

Tgt Ion: 75 Resp: 35566
 Ion Ratio Lower Upper
 75 100
 155 90.3 61.2 183.5
 157 117.2 78.3 234.8



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

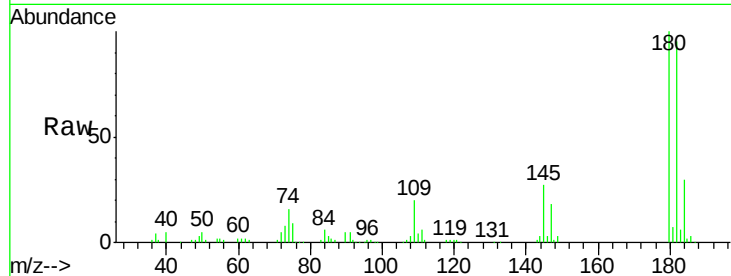




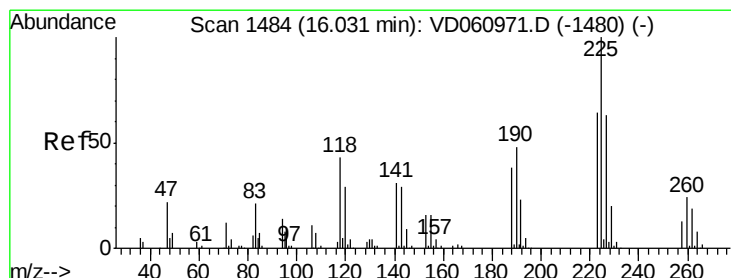
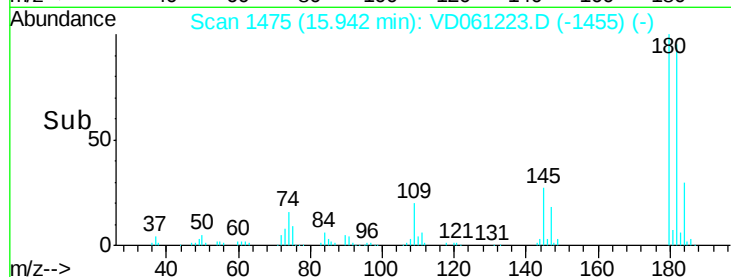
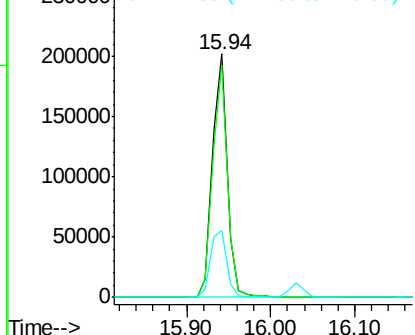
#93
 1,2,4-Trichlorobenzene
 Concen: 61.741 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 247939
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 142.0
 145 27.4 14.4 43.0

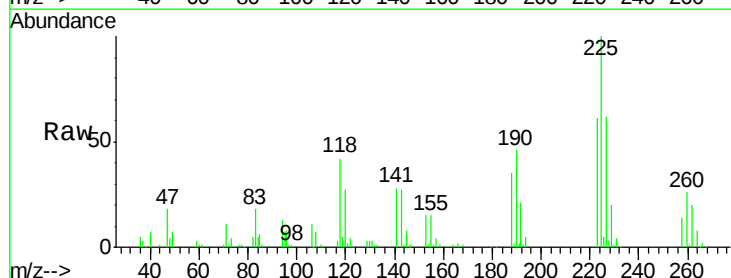


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

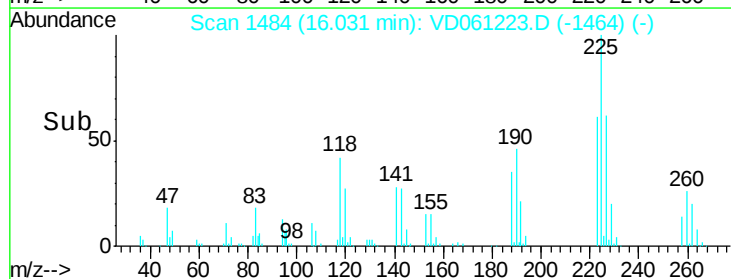
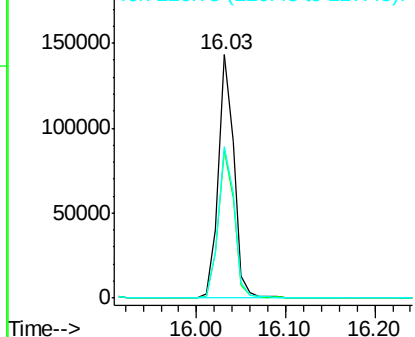


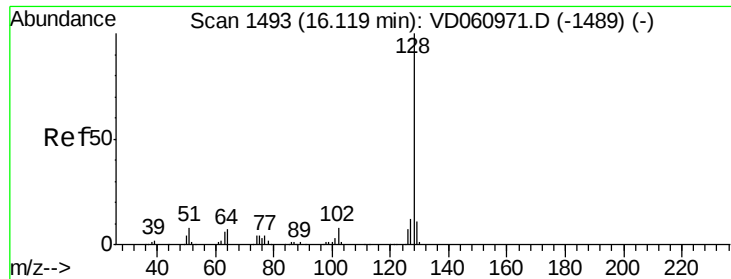
#94
 Hexachlorobutadiene
 Concen: 58.006 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061223.D
 Acq: 20 Mar 2019 23:34

Tgt Ion:225 Resp: 176193
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.8 95.3
 227 62.2 31.4 94.0



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

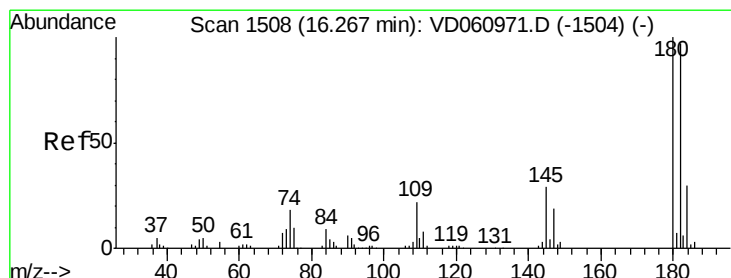
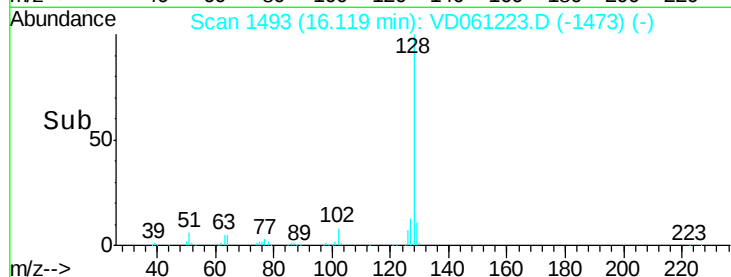
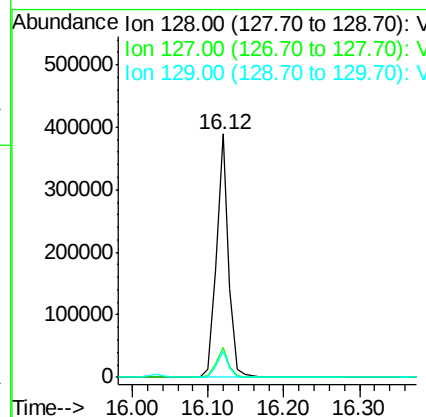
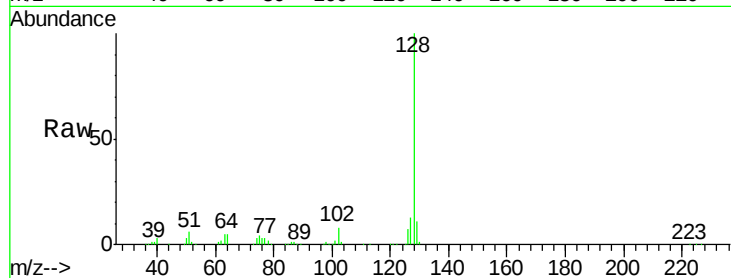




#95
Naphthalene
Concen: 72.303 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 441226
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 60.597 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061223.D
Acq: 20 Mar 2019 23:34

Tgt Ion:180 Resp: 120188
Ion Ratio Lower Upper
180 100
182 94.5 48.6 145.8
145 31.7 14.3 42.9

