

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061160.D
 Acq On : 18 Mar 2019 23:27
 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 19 02:19:28 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	7.04	168	637859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1131338	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	967132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	375079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	260446	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	6.91	113	413960	49.30	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.40	98	991710	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
62) 4-Bromofluorobenzene	13.55	95	375048	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	271477	42.966	ug/l	98
3) Chloromethane	1.76	50	227017	43.131	ug/l	96
4) Vinyl Chloride	1.85	62	215680	44.346	ug/l	99
5) Bromomethane	2.15	94	44378	51.818	ug/l	94
6) Chloroethane	2.27	64	69418	47.685	ug/l #	89
7) Trichlorofluoromethane	2.53	101	293033	41.941	ug/l	98
8) Diethyl Ether	2.87	74	116644	50.607	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	376056	48.143	ug/l	98
10) Methyl Iodide	3.31	142	544086	50.545	ug/l	98
11) Tert butyl alcohol	4.06	59	91112	269.555	ug/l	96
12) 1,1-Dichloroethene	3.13	96	298848	46.675	ug/l	92
13) Acrolein	3.04	56	137628	281.408	ug/l	93
14) Allyl chloride	3.62	41	496902	48.505	ug/l	97
15) Acrylonitrile	4.19	53	314681	263.412	ug/l	98
16) Acetone	3.22	43	320289	210.955	ug/l	98
17) Carbon Disulfide	3.38	76	949486	43.960	ug/l	100
18) Methyl Acetate	3.64	43	181881	60.871	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	602183	53.666	ug/l	98
20) Methylene Chloride	3.81	84	364062	52.855	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	351591	50.733	ug/l	94
22) Diisopropyl ether	5.11	45	1058326	49.765	ug/l	99
23) Vinyl Acetate	5.04	43	2798265	256.321	ug/l	100
24) 1,1-Dichloroethane	4.97	63	614787	52.763	ug/l	99
25) 2-Butanone	6.06	43	440460	255.661	ug/l	97
26) 2,2-Dichloropropane	6.02	77	439252	48.290	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	398903	54.252	ug/l	96
28) Bromochloromethane	6.43	49	239879	48.630	ug/l	91
29) Tetrahydrofuran	6.44	42	224765	240.263	ug/l	95
30) Chloroform	6.66	83	641811	53.147	ug/l	98
31) Cyclohexane	6.94	56	414477	44.115	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	519740	49.781	ug/l	100
36) 1,1-Dichloropropene	7.14	75	452533	46.404	ug/l	97
37) Ethyl Acetate	6.18	43	219196	47.899	ug/l	98
38) Carbon Tetrachloride	7.10	117	564814	52.580	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	470950	46.573	ug/l	95
40) Benzene	7.45	78	1145131	46.994	ug/l	99
41) Methacrylonitrile	6.43	41	254299	48.312	ug/l	97
42) 1,2-Dichloroethane	7.57	62	351609	49.722	ug/l	100
43) Isopropyl Acetate	9.23	43	305211	48.154	ug/l #	97
44) Trichloroethene	8.53	130	417670	49.683	ug/l	97
45) 1,2-Dichloropropane	8.93	63	305726	47.755	ug/l	100
46) Dibromomethane	9.05	93	201198	49.545	ug/l	97
47) Bromodichloromethane	9.37	83	478611	52.228	ug/l	99
48) Methyl methacrylate	9.11	41	177031	49.607	ug/l	94
49) 1,4-Dioxane	9.07	88	37191	1030.627	ug/l #	96
51) 4-Methyl-2-Pentanone	10.29	43	944718	243.296	ug/l	96
52) Toluene	10.50	92	711463	46.953	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	404270	48.246	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	528201	52.464	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	269158	53.339	ug/l	97
56) Ethyl methacrylate	11.03	69	269408	51.006	ug/l	97
57) 1,3-Dichloropropane	11.39	76	385739	51.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	700870	250.683	ug/l	99
59) 2-Hexanone	11.52	43	662956	233.403	ug/l	100
60) Dibromochloromethane	11.68	129	396597	53.403	ug/l	100
61) 1,2-Dibromoethane	11.80	107	303872	51.765	ug/l	99
64) Tetrachloroethene	11.25	164	326377	49.992	ug/l	97
65) Chlorobenzene	12.39	112	955156	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	351920	52.072	ug/l	99
67) Ethyl Benzene	12.52	91	1336242	47.340	ug/l	99
68) m/p-Xylenes	12.66	106	972667	87.796	ug/l	96
69) o-Xylene	13.04	106	494408	45.400	ug/l	97
70) Styrene	13.07	104	804229	45.226	ug/l	98
71) Bromoform	13.22	173	223242	51.204	ug/l	96
73) Isopropylbenzene	13.39	105	1381461	51.106	ug/l	99
74) N-amyl acetate	13.25	43	349137	45.871	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	281589	53.393	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	293011	54.300	ug/l	100
77) Bromobenzene	13.66	156	376872	54.617	ug/l	86
78) n-propylbenzene	13.77	91	1654263	52.275	ug/l	98
79) 2-Chlorotoluene	13.83	91	868645	49.859	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	1038719	50.617	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	86711	54.504	ug/l	94
82) 4-Chlorotoluene	13.94	91	1050819	51.020	ug/l	95
83) tert-Butylbenzene	14.18	119	1308859	58.281	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	1038719	50.617	ug/l	100
85) sec-Butylbenzene	14.36	105	1451538	52.943	ug/l	96
86) p-Isopropyltoluene	14.48	119	1075379	47.986	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	690507	56.041	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	668582	55.218	ug/l	99
89) n-Butylbenzene	14.79	91	1016477	47.232	ug/l	97
90) Hexachloroethane	15.00	117	340226	53.764	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	563936	54.901	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	36993	58.208	ug/l	72

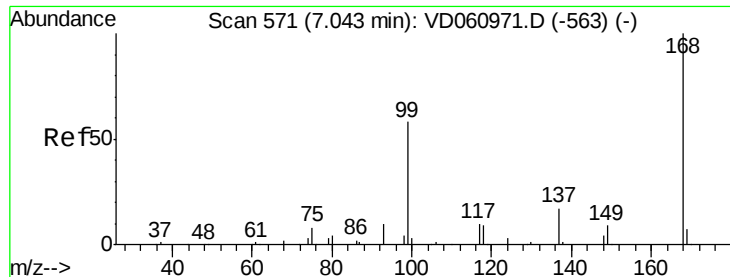
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	272588	57.205	ug/l	98
94) Hexachlorobutadiene	16.03	225	196374	54.484	ug/l	98
95) Naphthalene	16.12	128	467628	64.579	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	145874	61.982	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

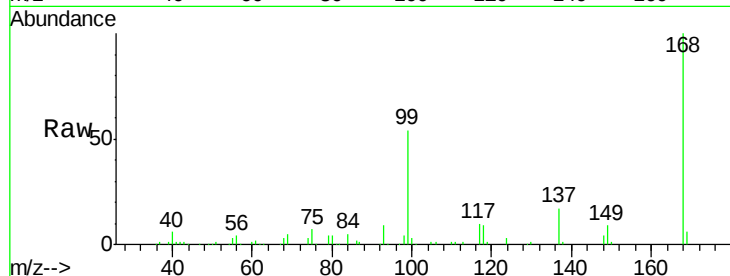
ClientSampleId :

Tot Ion:168 Resp: 637859

Ion Ratio Lower Upper

168 100

99 53.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

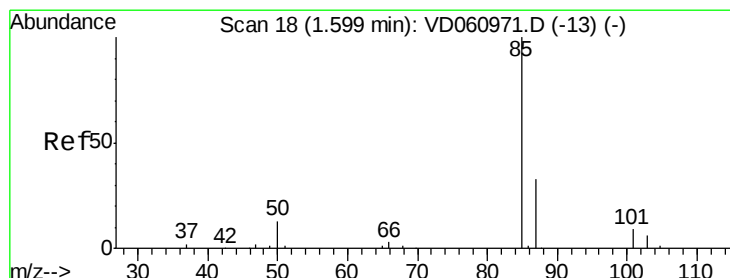
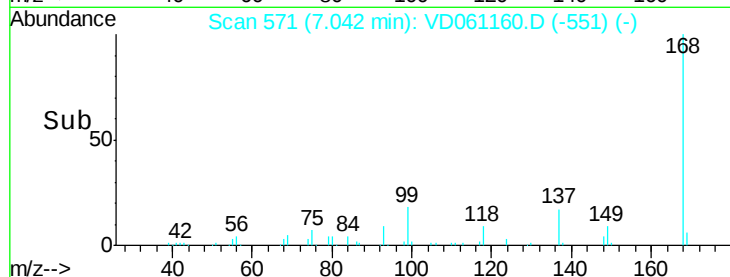
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.966 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061160.D

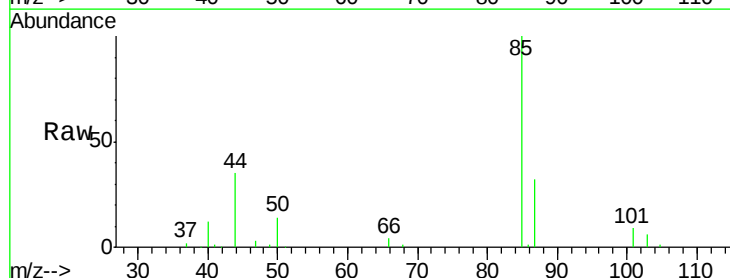
Acq: 18 Mar 2019 23:27

Tgt Ion: 85 Resp: 271477

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

120000

100000

80000

60000

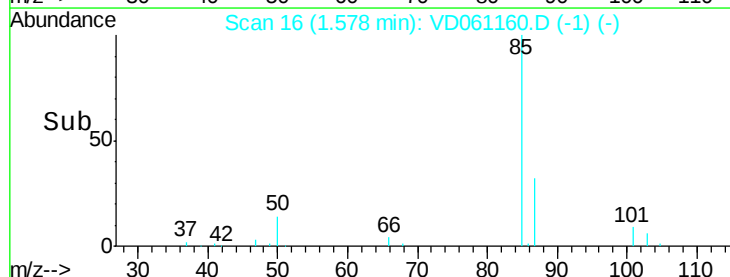
40000

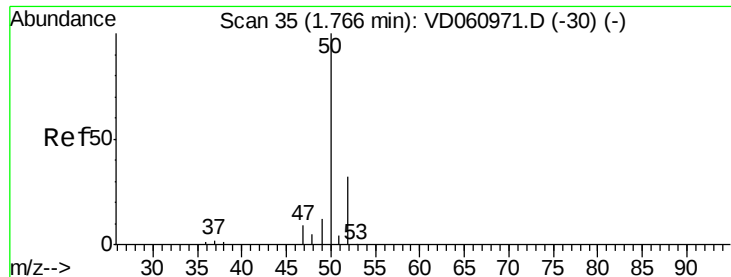
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.131 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

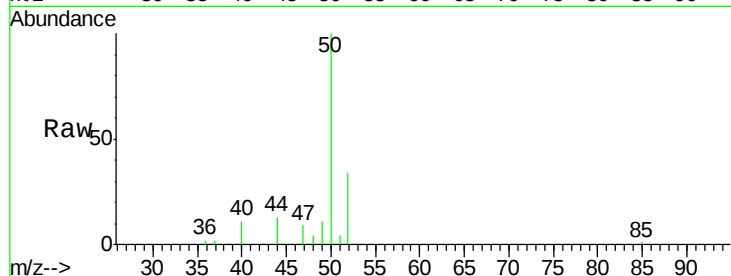
ClientSampleId :

Tot Ion: 50 Resp: 227017

Ion Ratio Lower Upper

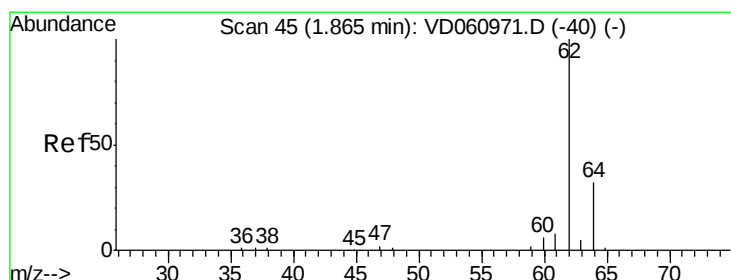
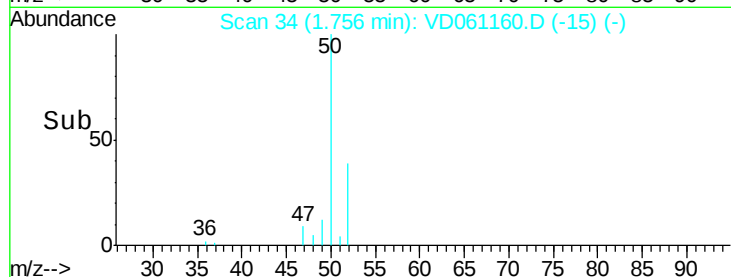
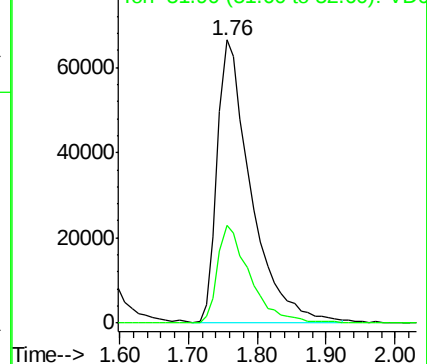
50 100

52 34.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.346 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061160.D

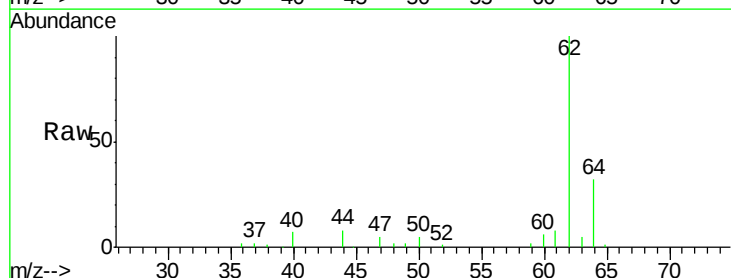
Acq: 18 Mar 2019 23:27

Tgt Ion: 62 Resp: 215680

Ion Ratio Lower Upper

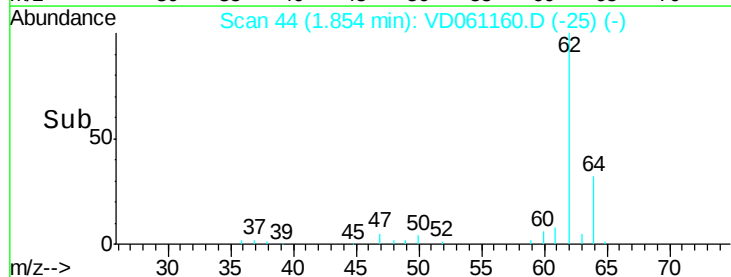
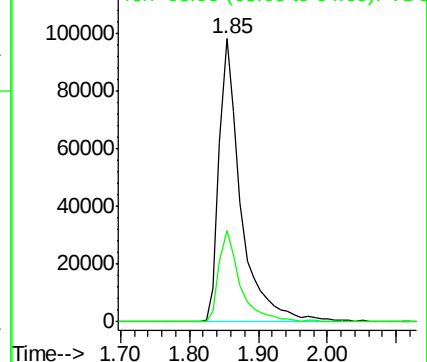
62 100

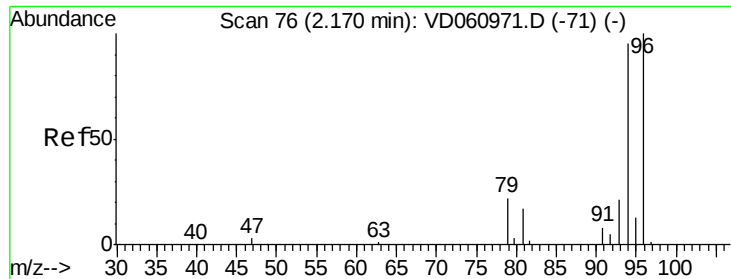
64 32.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.818 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

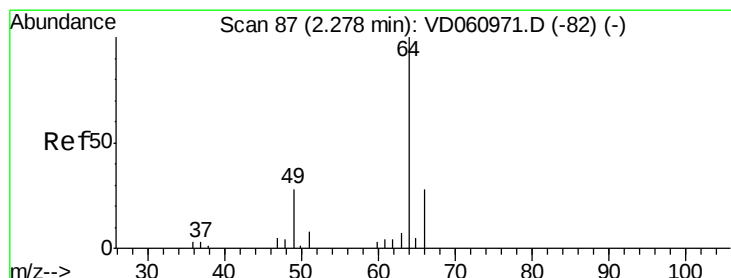
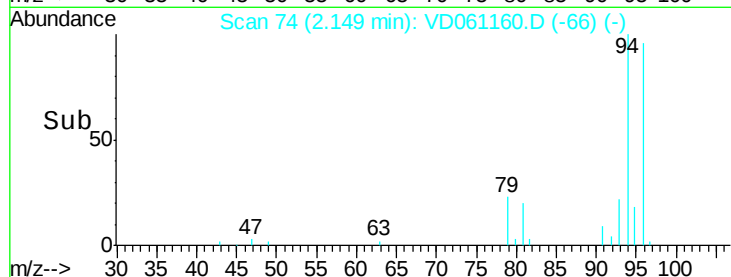
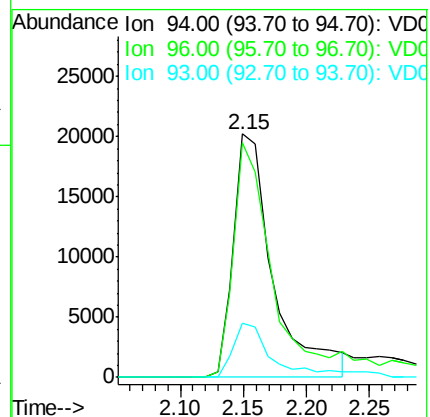
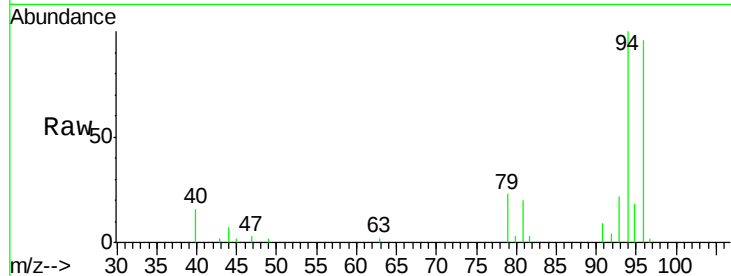
Tot Ion: 94 Resp: 44378

Ion Ratio Lower Upper

94 100

96 98.1 84.0 126.0

93 22.2 17.3 25.9



#6

Chloroethane

Concen: 47.685 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061160.D

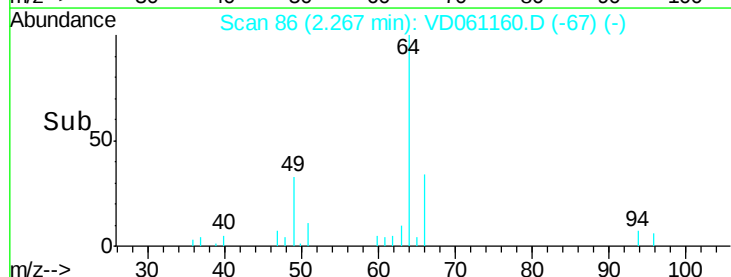
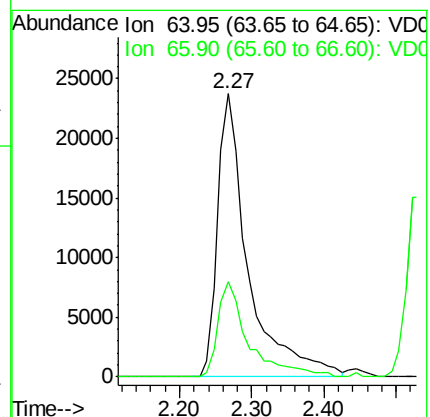
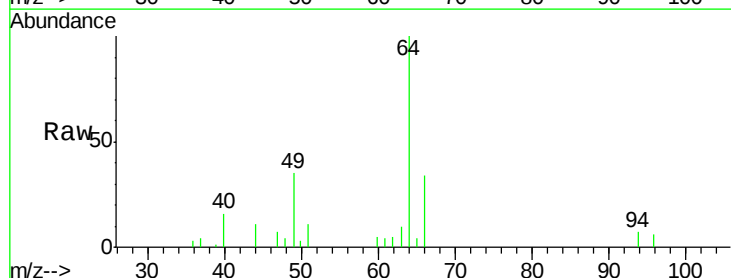
Acq: 18 Mar 2019 23:27

Tgt Ion: 64 Resp: 69418

Ion Ratio Lower Upper

64 100

66 33.5 22.2 33.2#



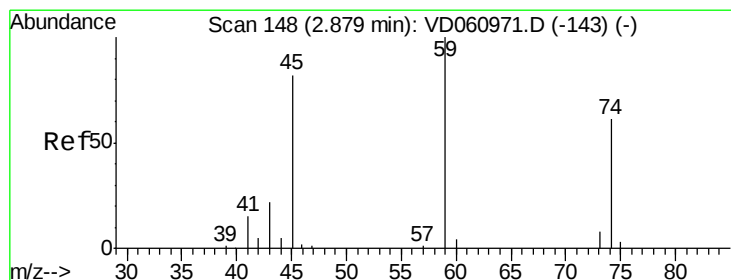
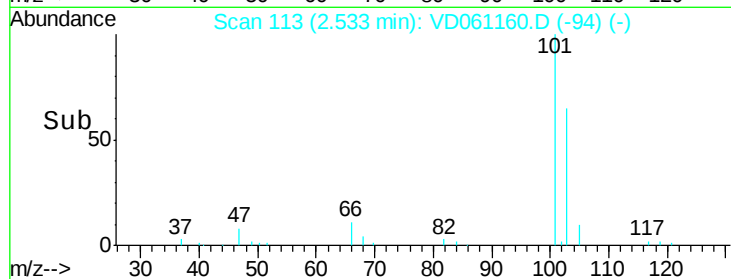
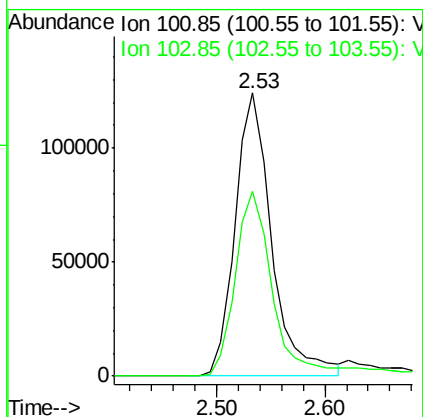
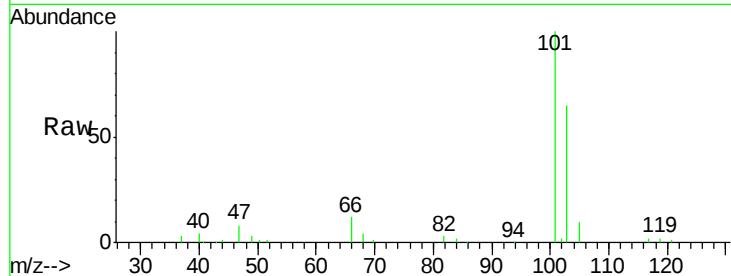


#7

Trichlorofluoromethane
 Concen: 41.941 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Instrument :
 MSVOA_D
 ClientSampleId :

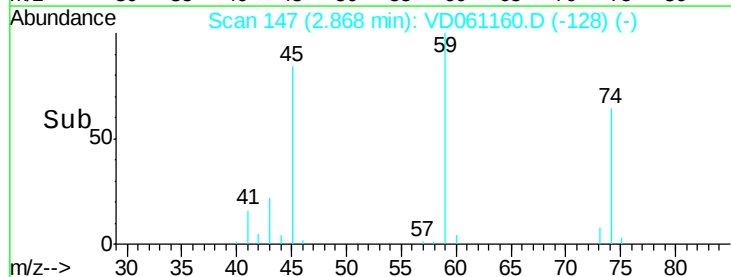
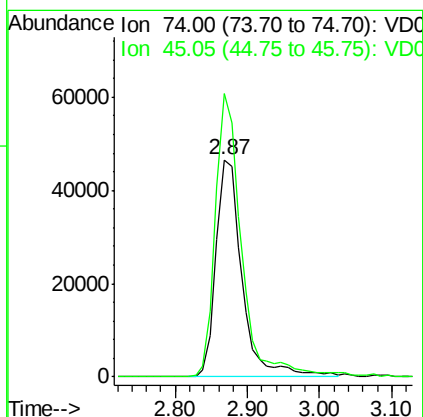
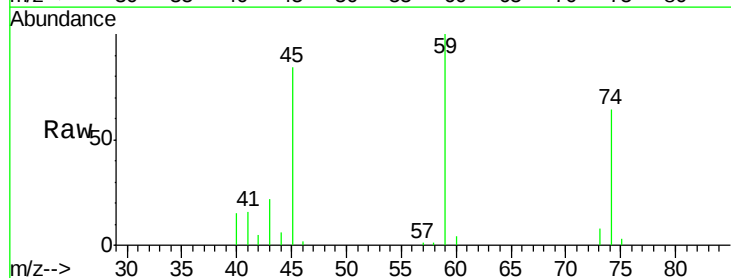
Tot Ion:101 Resp: 293033
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.2 76.8

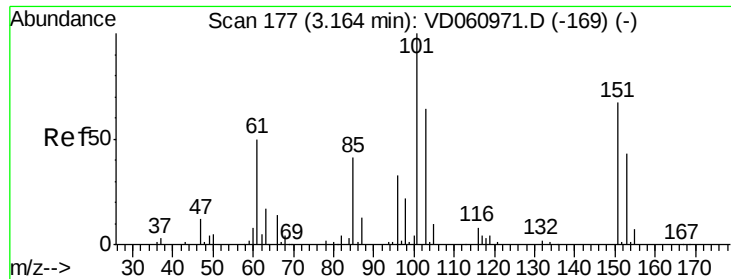


#8

Diethyl Ether
 Concen: 50.607 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion: 74 Resp: 116644
 Ion Ratio Lower Upper
 74 100
 45 130.3 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.143 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

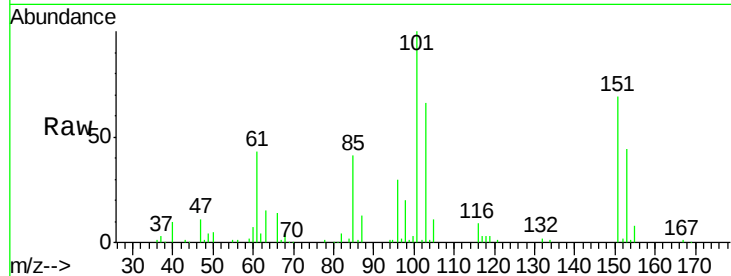
Tot Ion:101 Resp: 376056

Ion Ratio Lower Upper

101 100

85 40.8 32.5 48.7

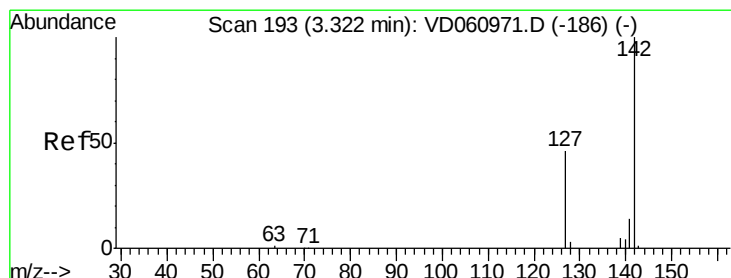
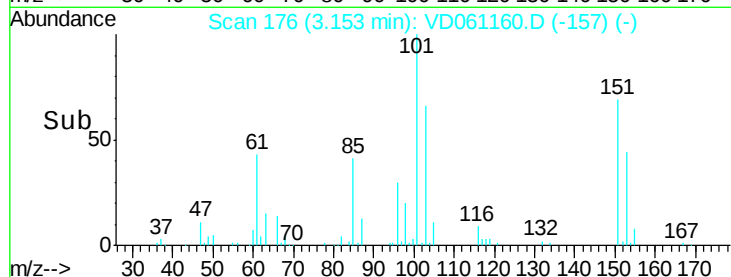
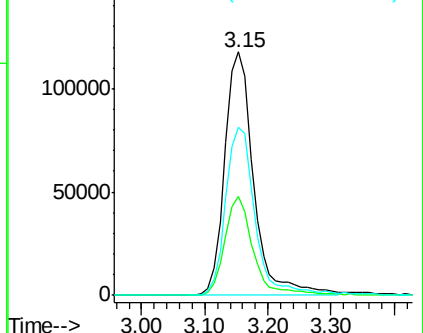
151 68.8 53.3 79.9



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: 50.545 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

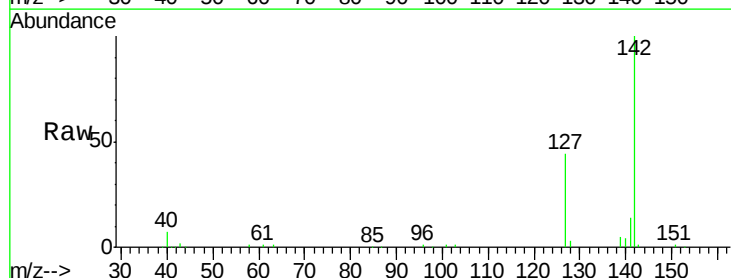
Tgt Ion:142 Resp: 544086

Ion Ratio Lower Upper

142 100

127 44.4 36.8 55.2

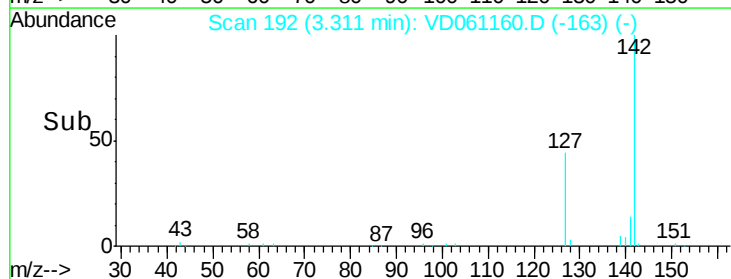
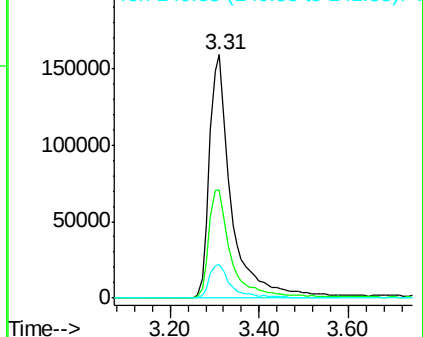
141 13.7 11.2 16.8

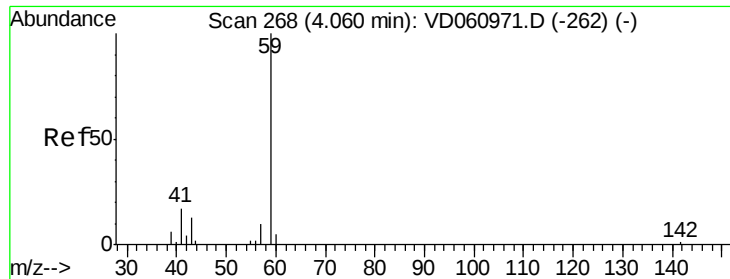


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



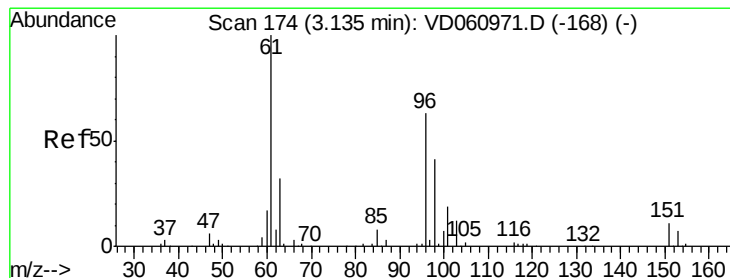
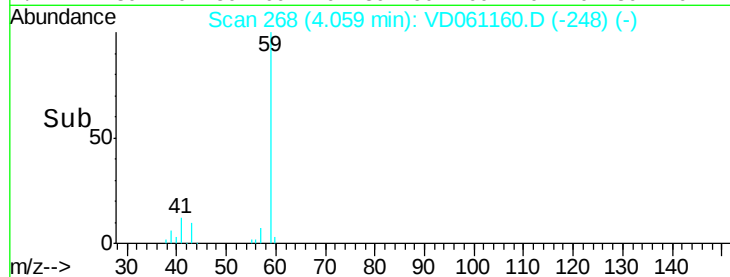
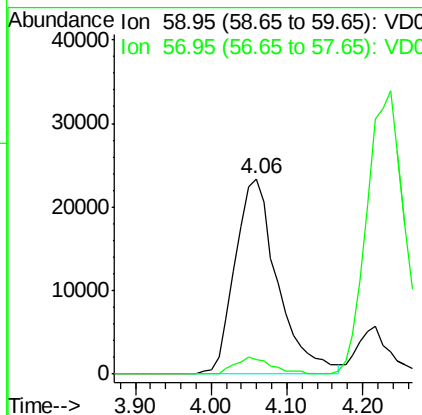
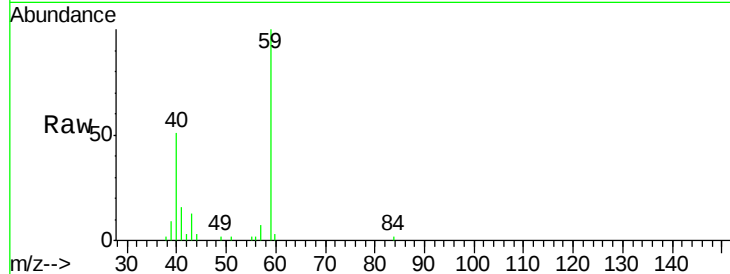


#11

Tert butyl alcohol
 Concen: 269.555 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Instrument :
 MSVOA_D
 ClientSampleId :

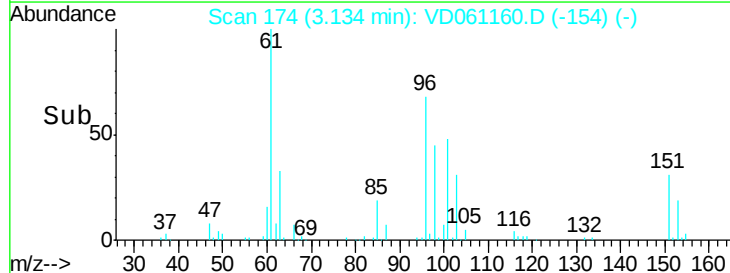
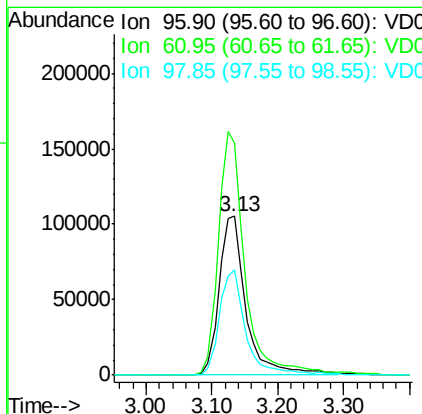
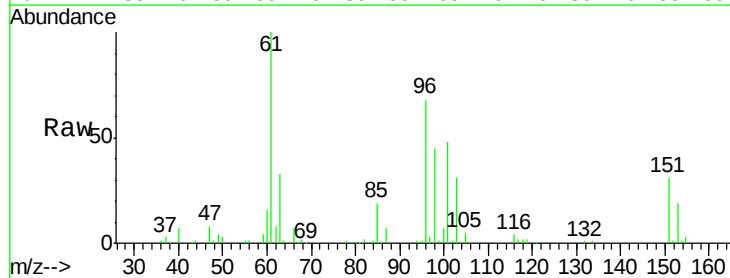
Tot Ion: 59 Resp: 91112
 Ion Ratio Lower Upper
 59 100
 57 7.4 7.1 10.7

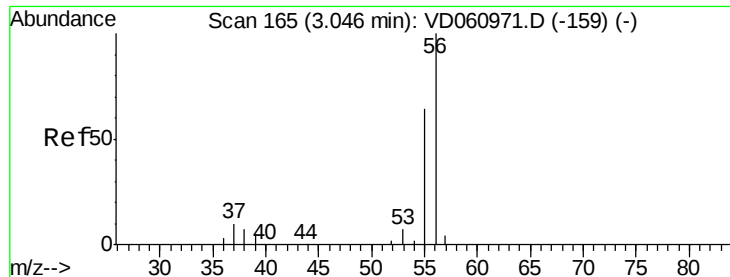


#12

1,1-Dichloroethene
 Concen: 46.675 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion: 96 Resp: 298848
 Ion Ratio Lower Upper
 96 100
 61 146.2 127.1 190.7
 98 66.1 51.5 77.3





#13

Acrolein

Concen: 281.408 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

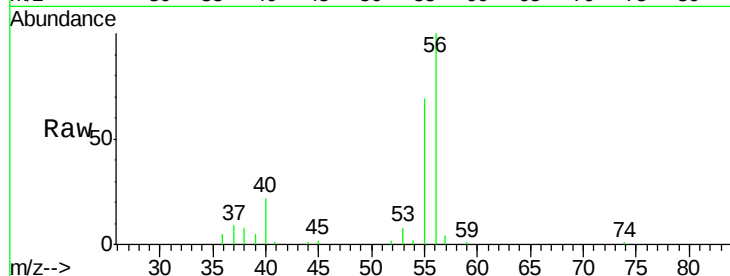
ClientSampled :

Tot Ion: 56 Resp: 137628

Ion Ratio Lower Upper

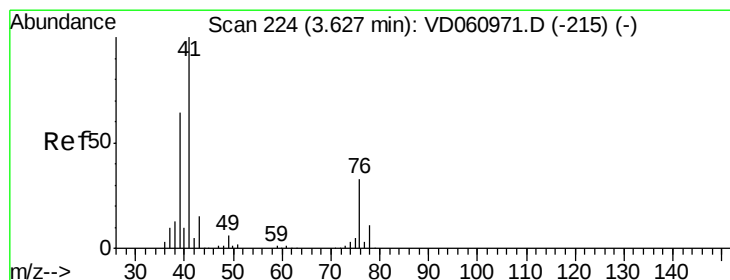
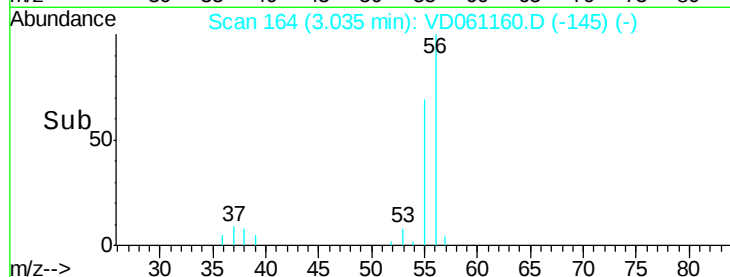
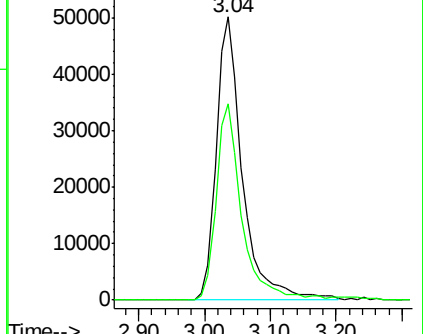
56 100

55 69.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.505 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

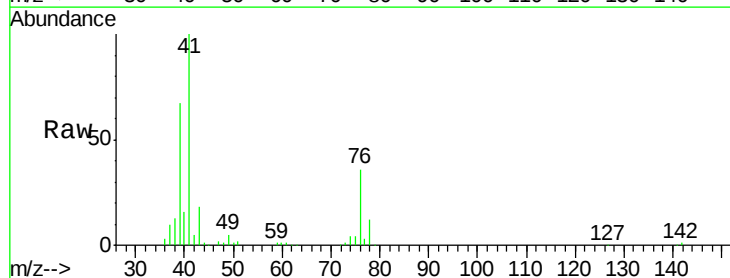
Tgt Ion: 41 Resp: 496902

Ion Ratio Lower Upper

41 100

39 66.8 51.1 76.7

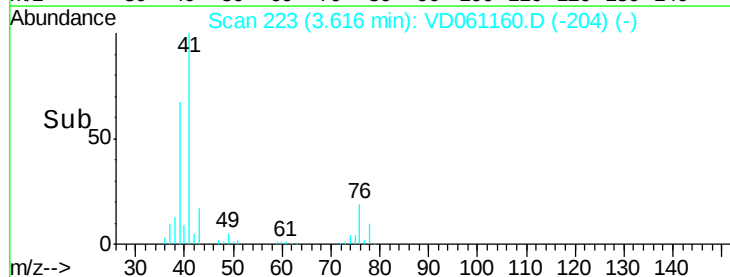
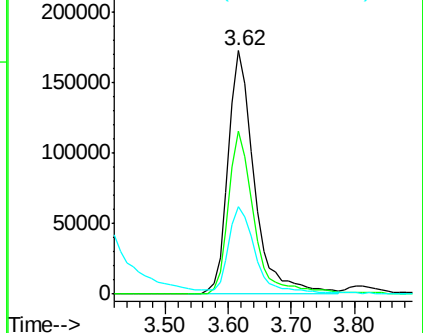
76 36.0 29.1 43.7

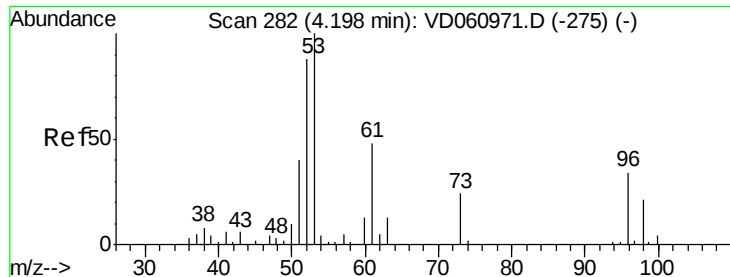


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 263.412 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

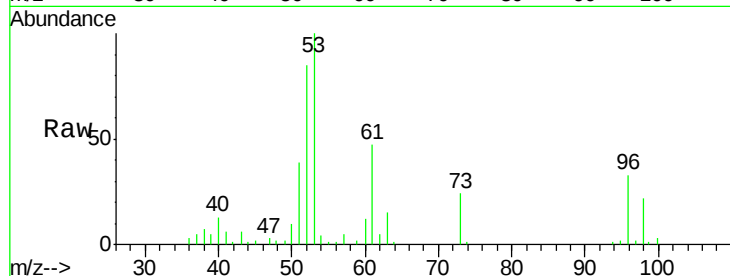
Tot Ion: 53 Resp: 314681

Ion Ratio Lower Upper

53 100

52 85.3 70.2 105.4

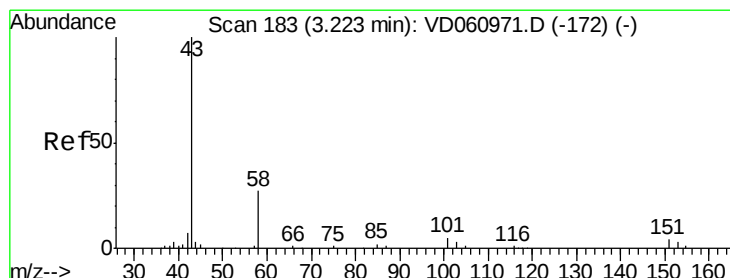
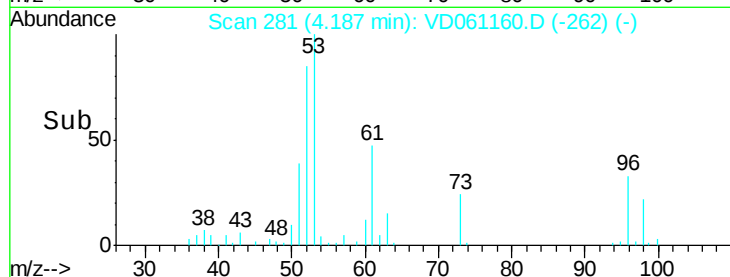
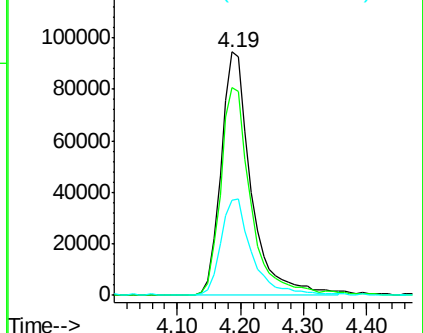
51 39.2 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 210.955 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061160.D

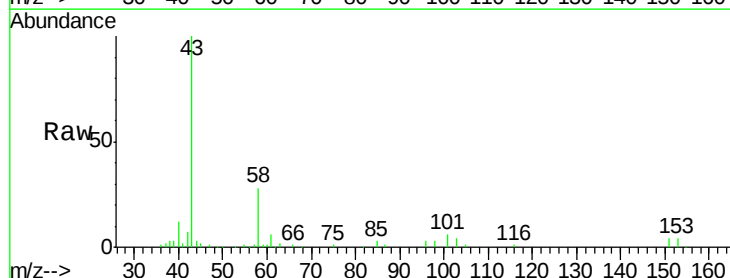
Acq: 18 Mar 2019 23:27

Tgt Ion: 43 Resp: 320289

Ion Ratio Lower Upper

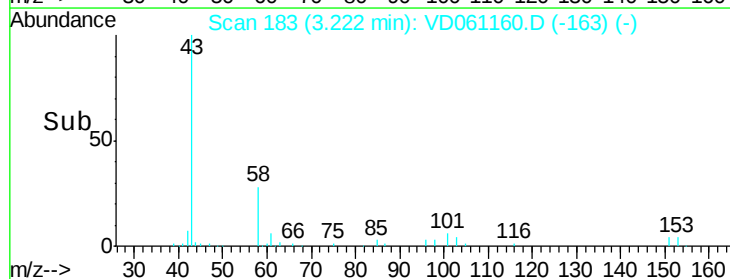
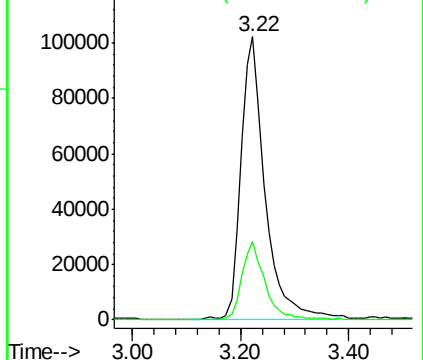
43 100

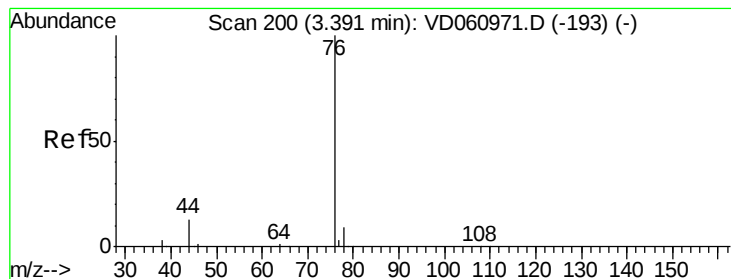
58 27.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 43.960 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

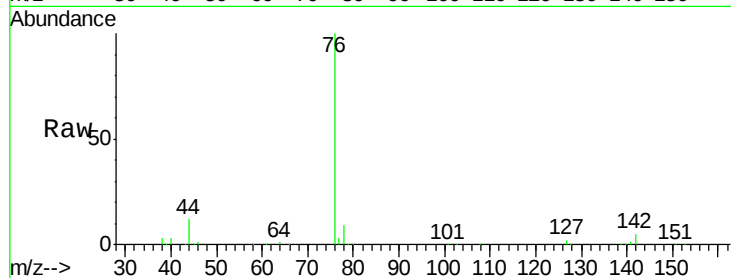
ClientSampleId :

Tot Ion: 76 Resp: 949486

Ion Ratio Lower Upper

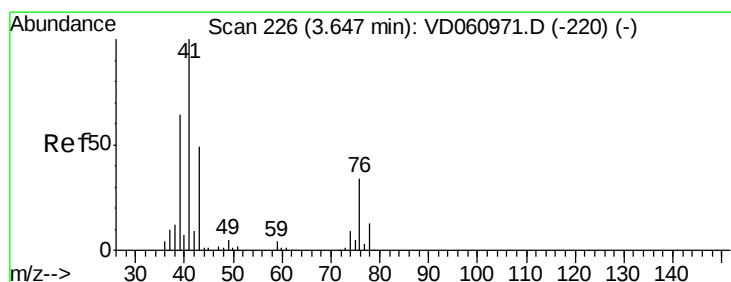
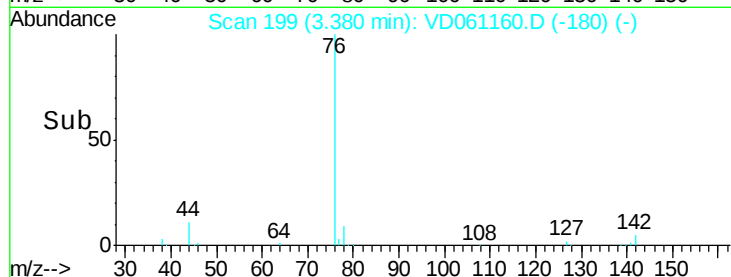
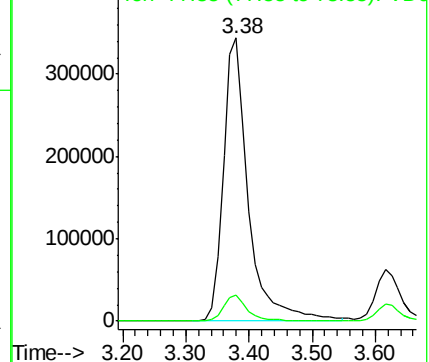
76 100

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: 60.871 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061160.D

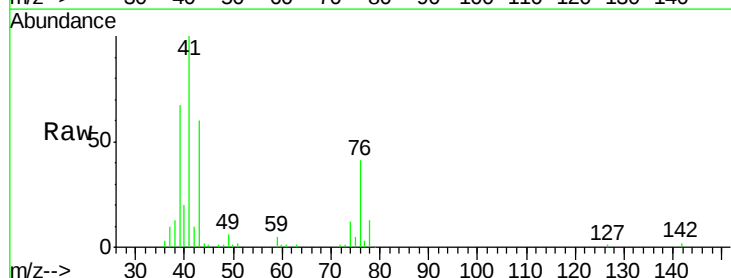
Acq: 18 Mar 2019 23:27

Tgt Ion: 43 Resp: 181881

Ion Ratio Lower Upper

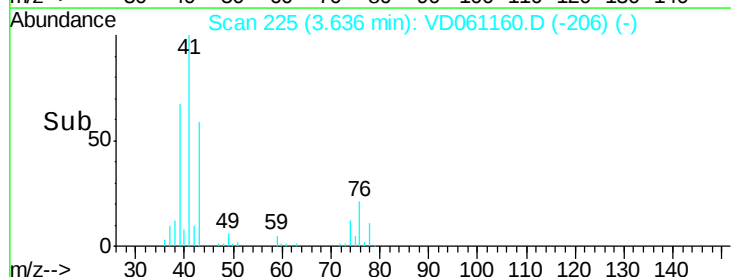
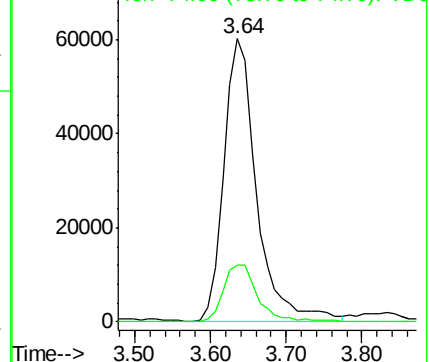
43 100

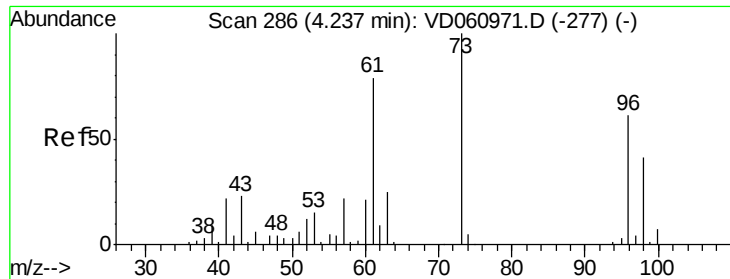
74 20.3 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

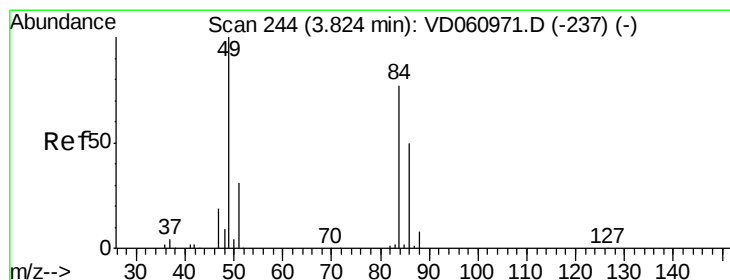
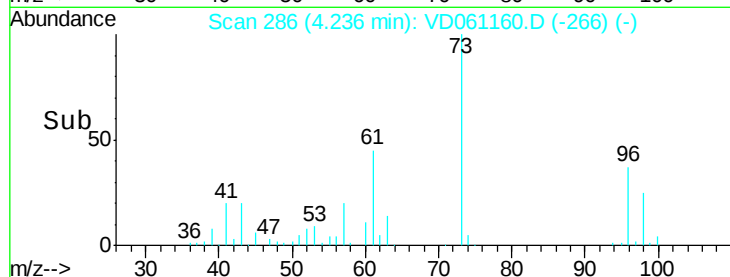
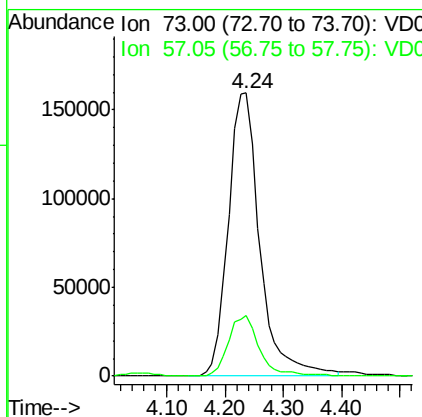
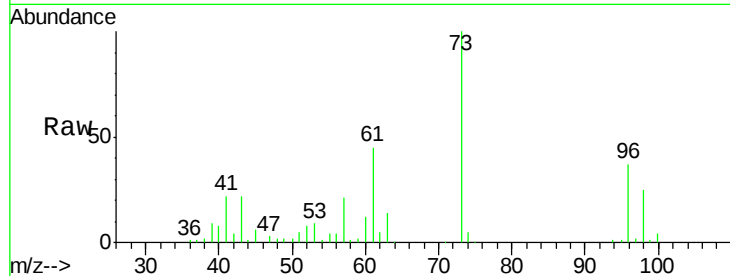




#19
Methyl tert-butyl Ether
Concen: 53.666 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

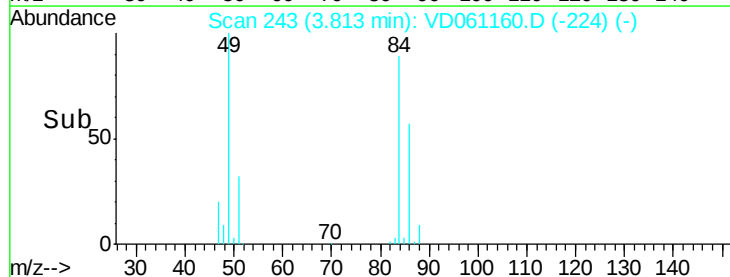
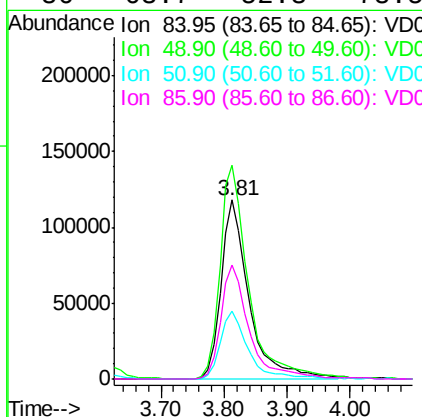
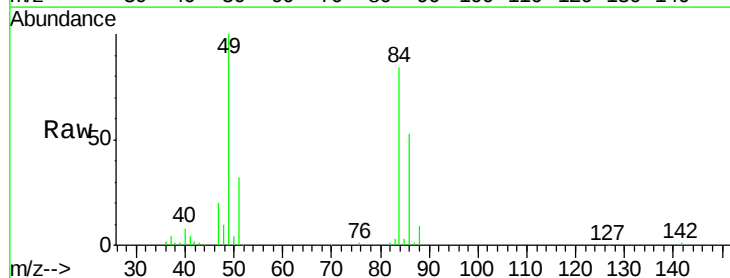
Instrument :
MSVOA_D
ClientSampleId :

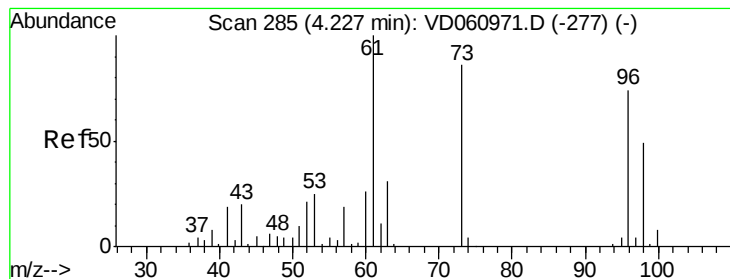
Tot Ion: 73 Resp: 602183
Ion Ratio Lower Upper
73 100
57 21.2 17.7 26.5



#20
Methylene Chloride
Concen: 52.855 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 84 Resp: 364062
Ion Ratio Lower Upper
84 100
49 119.4 104.2 156.2
51 37.9 32.3 48.5
86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.733 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

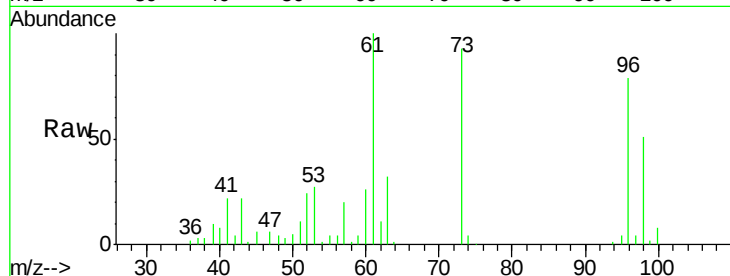
Tot Ion: 96 Resp: 351591

Ion Ratio Lower Upper

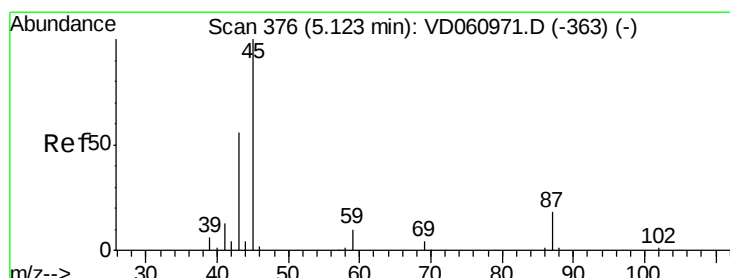
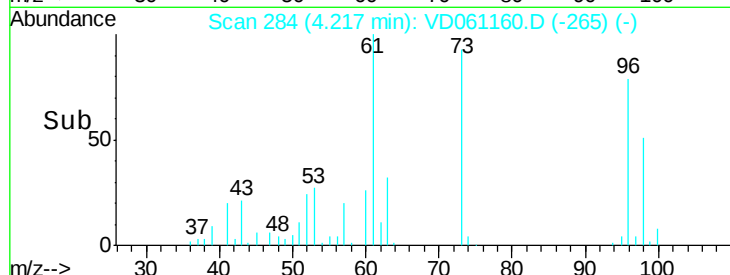
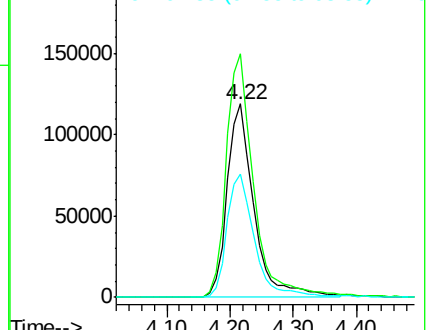
96 100

61 125.8 108.4 162.6

98 63.9 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: 49.765 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Tgt Ion: 45 Resp: 1058326

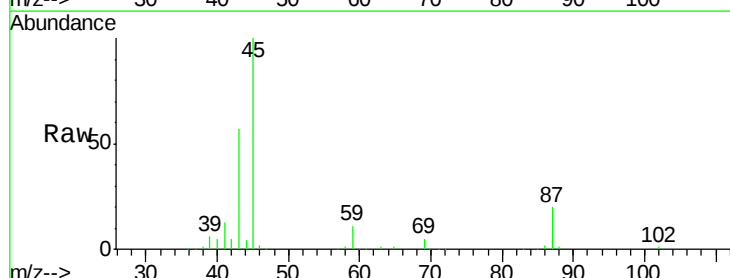
Ion Ratio Lower Upper

45 100

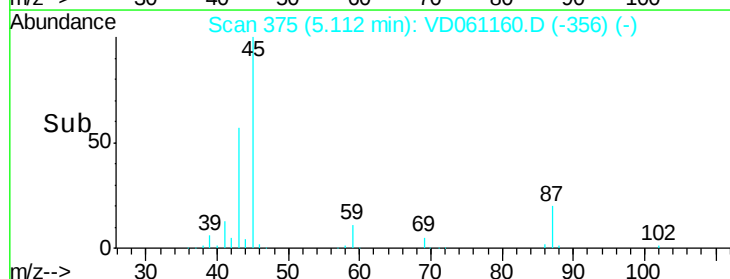
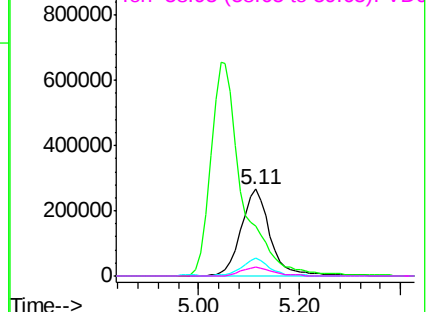
43 57.5 45.8 68.8

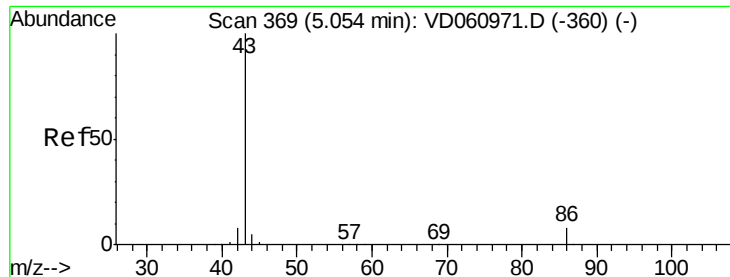
87 20.3 14.9 22.3

59 10.8 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: 256.321 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

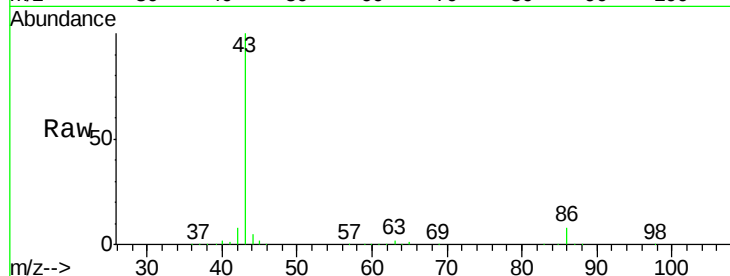
ClientSampleId :

Tot Ion: 43 Resp: 2798265

Ion Ratio Lower Upper

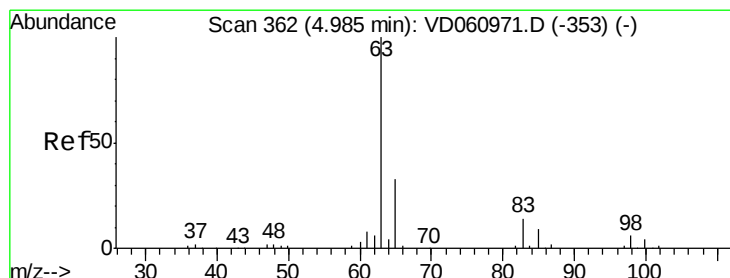
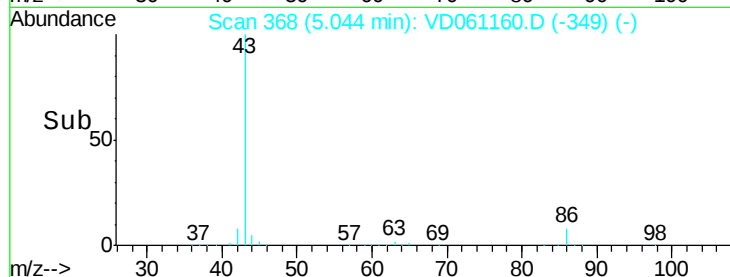
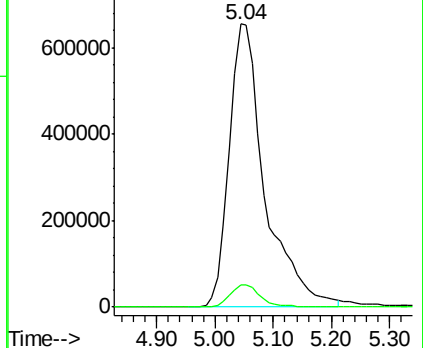
43 100

86 7.8 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.763 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

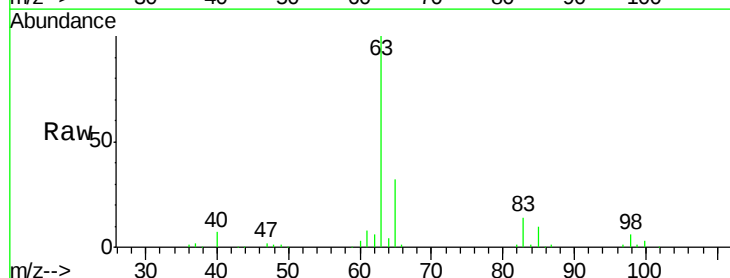
Tgt Ion: 63 Resp: 614787

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

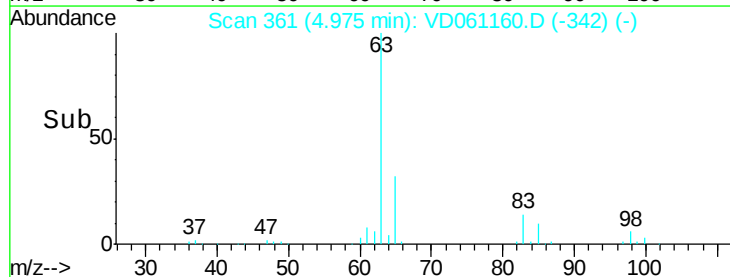
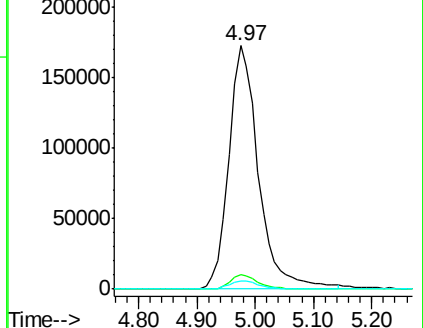
100 3.4 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 255.661 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

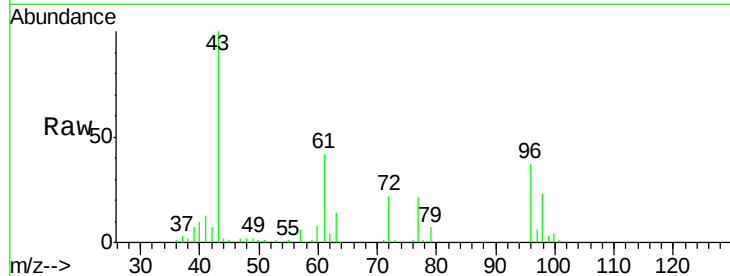
ClientSampleId :

Tot Ion: 43 Resp: 440460

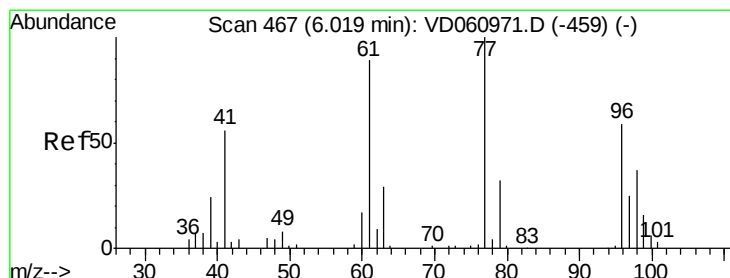
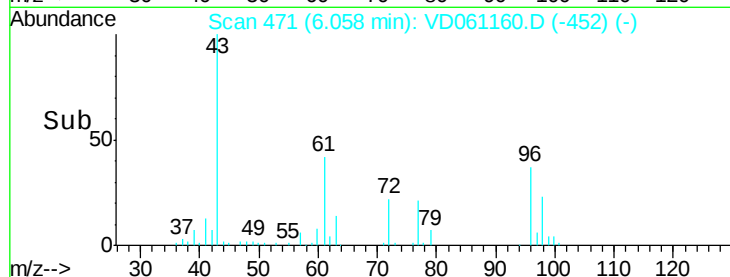
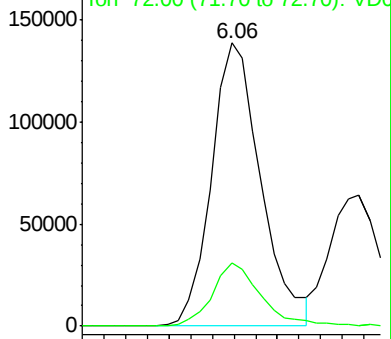
Ion Ratio Lower Upper

43 100

72 22.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 48.290 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061160.D

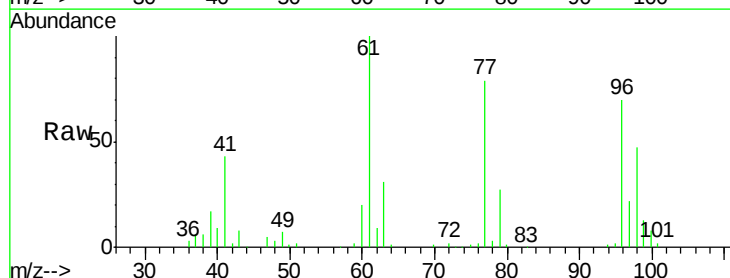
Acq: 18 Mar 2019 23:27

Tgt Ion: 77 Resp: 439252

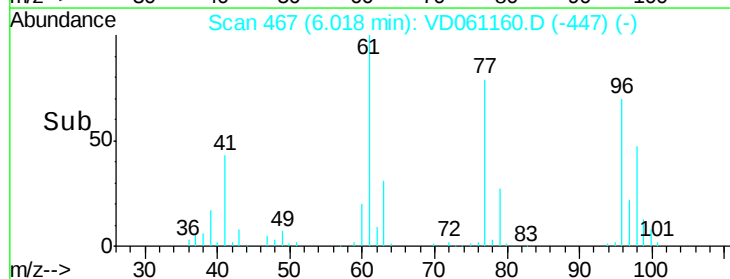
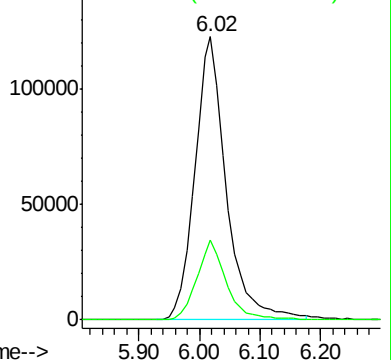
Ion Ratio Lower Upper

77 100

97 28.0 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC



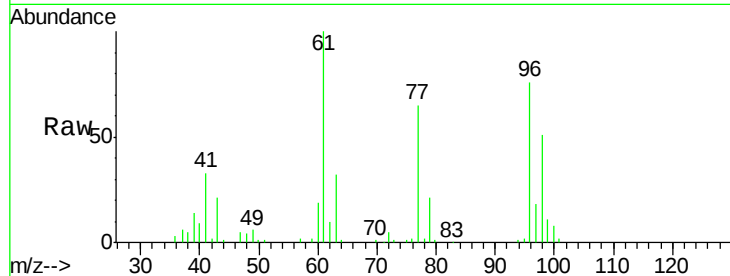


#27

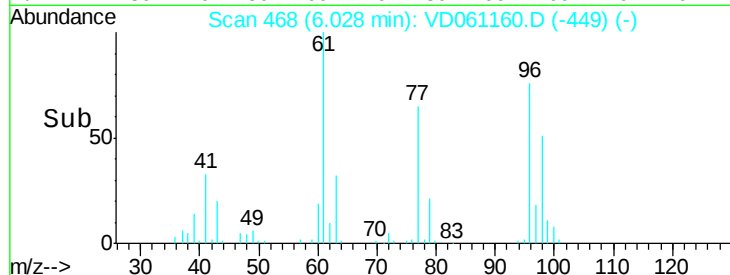
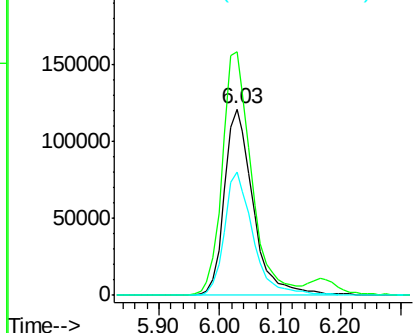
cis-1,2-Dichloroethene
Concen: 54.252 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 398903
Ion Ratio Lower Upper
96 100
61 130.7 0.0 273.6
98 66.0 0.0 132.6



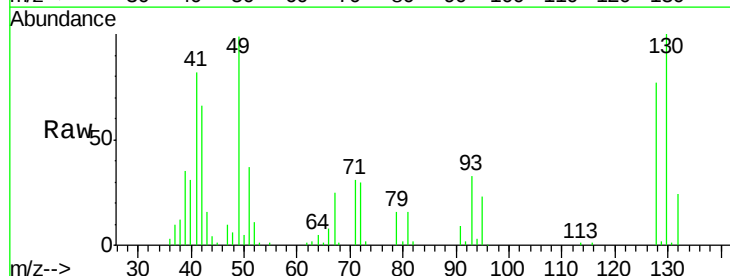
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



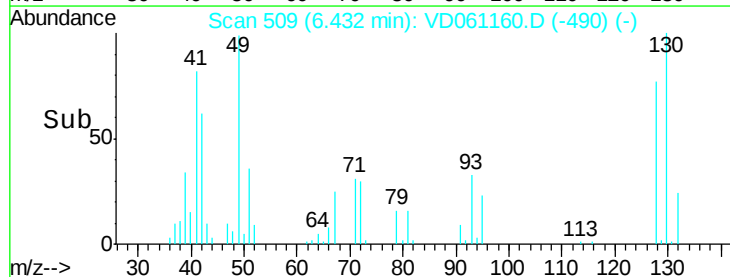
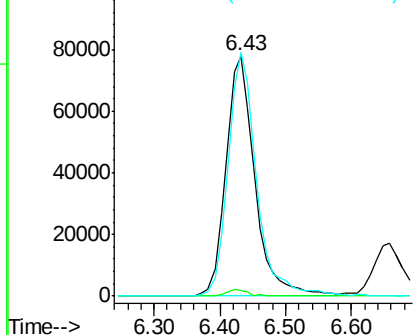
#28

Bromochloromethane
Concen: 48.630 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 49 Resp: 239879
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.0
130 101.3 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: 240.263 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

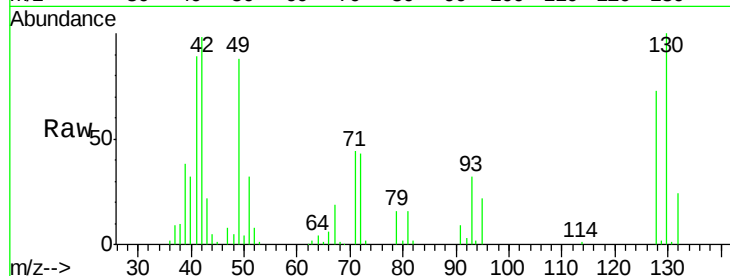
Tot Ion: 42 Resp: 224765

Ion Ratio Lower Upper

42 100

72 45.6 34.5 51.7

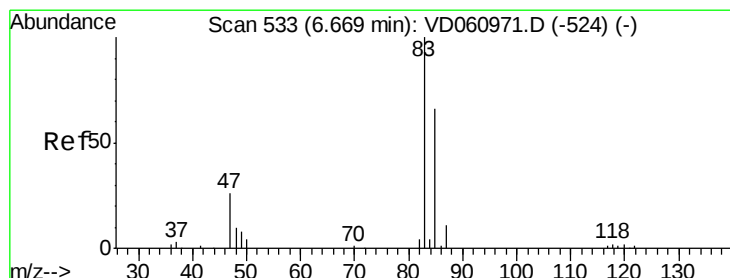
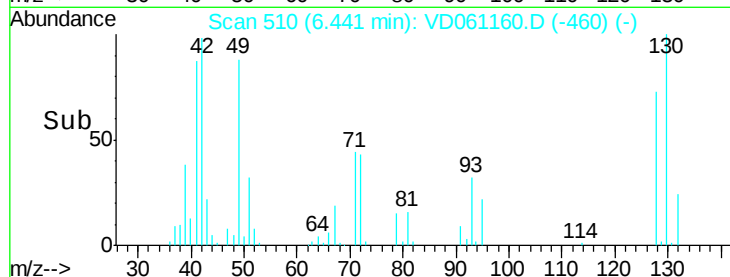
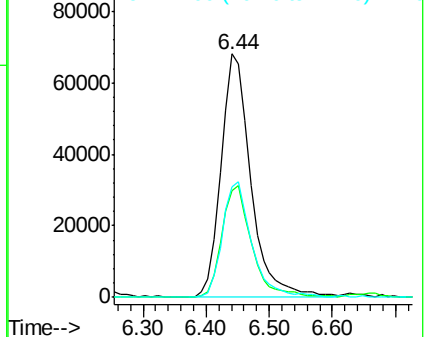
71 46.4 33.8 50.6



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: 53.147 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061160.D

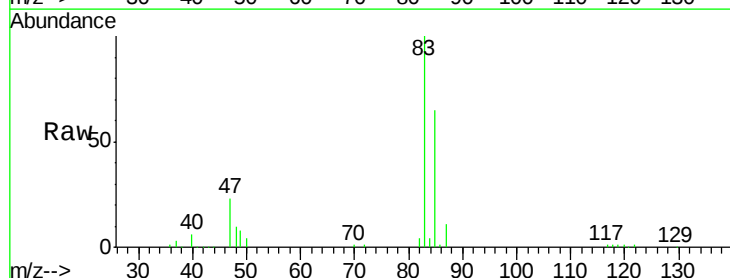
Acq: 18 Mar 2019 23:27

Tgt Ion: 83 Resp: 641811

Ion Ratio Lower Upper

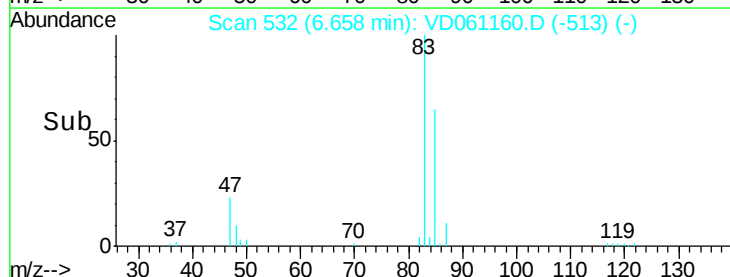
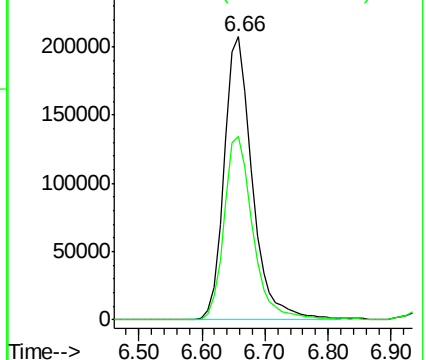
83 100

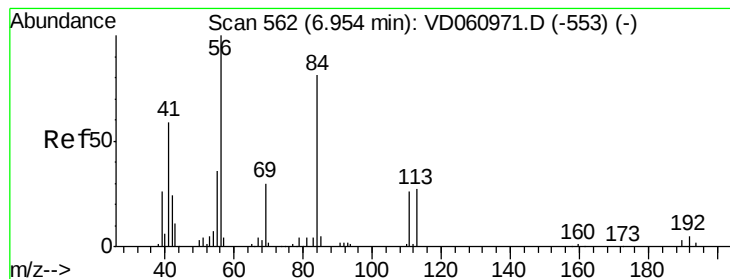
85 65.0 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 44.115 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

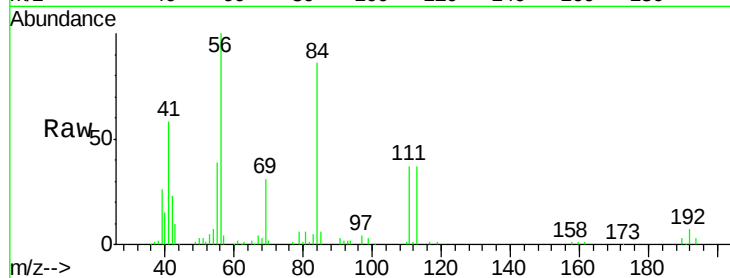
Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

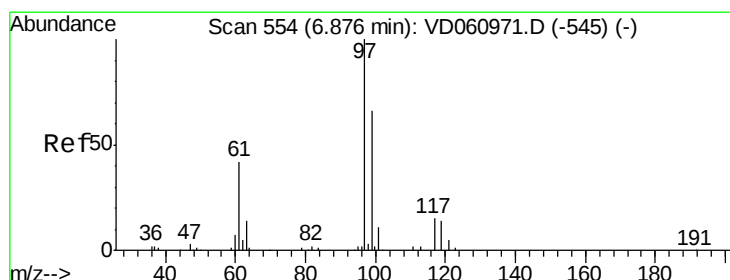
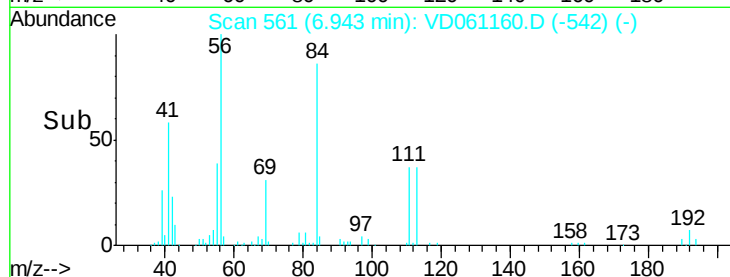
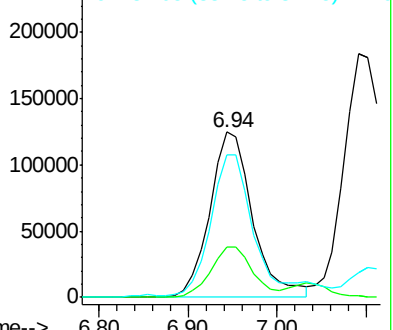
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 414477

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.0	36.0
84	86.5	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: 49.781 ug/l

RT: 6.86 min Scan# 553

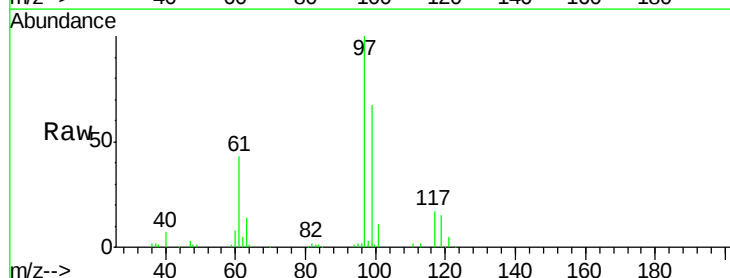
Delta R.T. -0.01 min

Lab File: VD061160.D

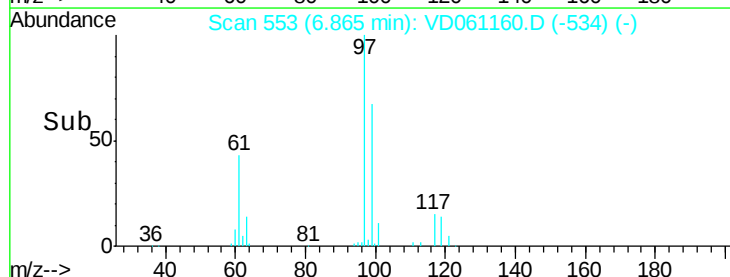
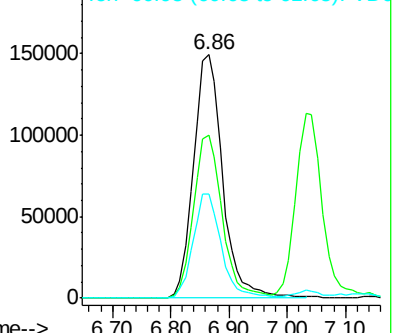
Acq: 18 Mar 2019 23:27

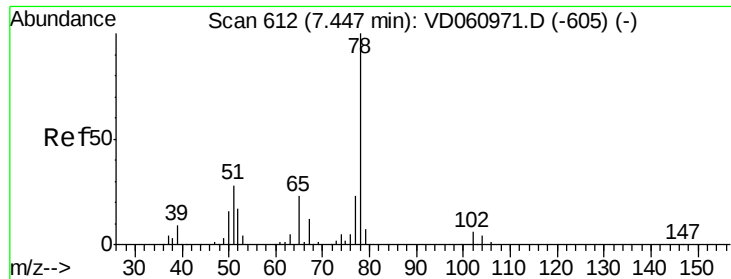
Tgt Ion: 97 Resp: 519740

Ion	Ratio	Lower	Upper
97	100		
99	66.8	53.2	79.8
61	42.6	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: 49.781 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

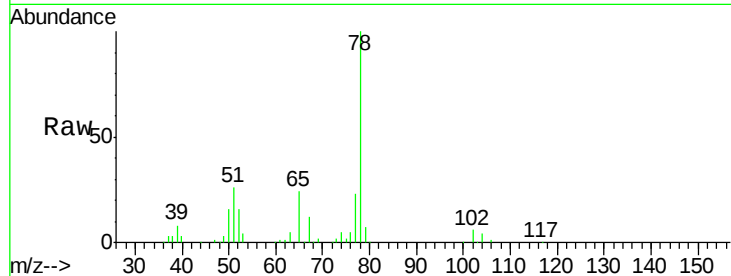
ClientSampled :

Tot Ion: 65 Resp: 260446

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

100000

80000

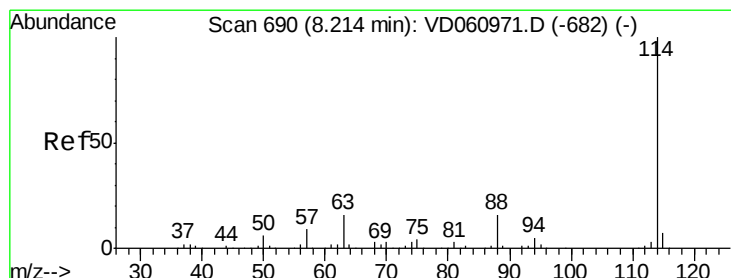
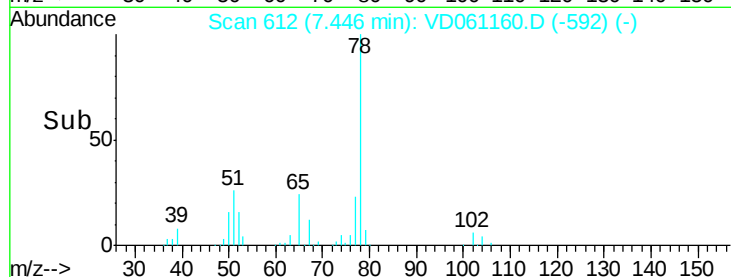
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

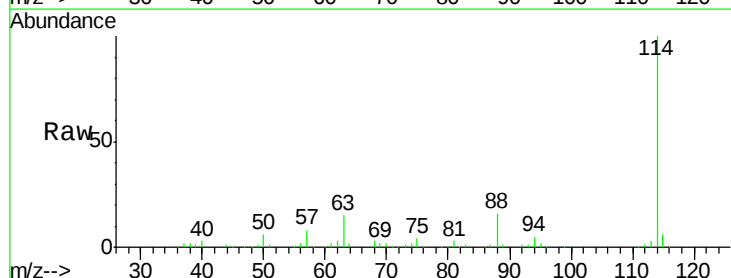
Tgt Ion:114 Resp: 1131338

Ion Ratio Lower Upper

114 100

63 15.1 0.0 31.4

88 15.7 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

8.21

500000

400000

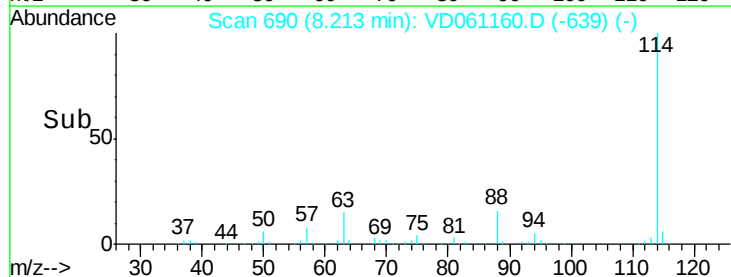
300000

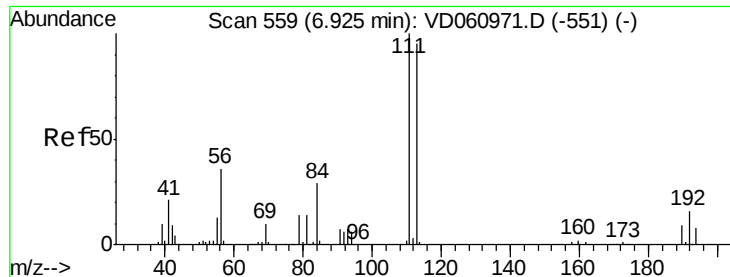
200000

100000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :

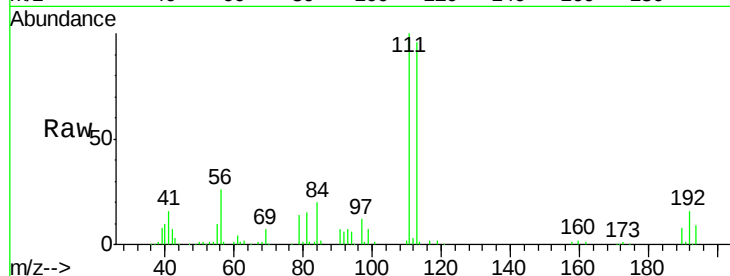
Tot Ion:113 Resp: 413960

Ion Ratio Lower Upper

113 100

111 104.6 84.2 126.4

192 16.9 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

150000

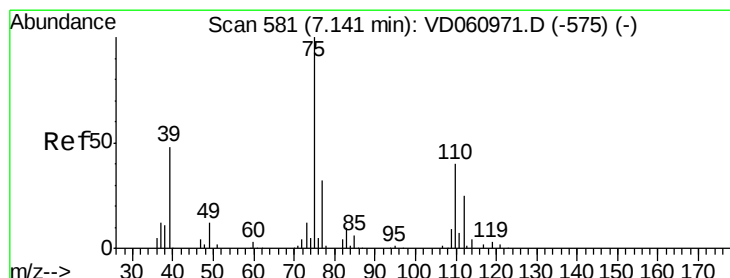
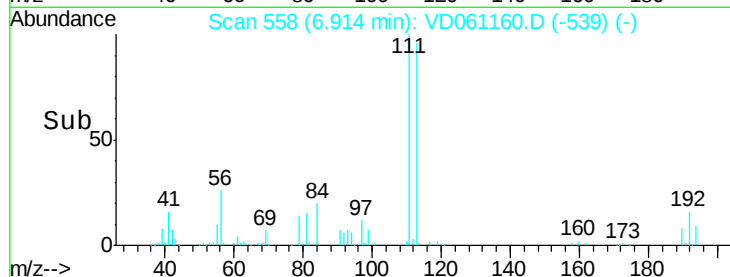
100000

50000

0

6.91

Time-->



#36

1,1-Dichloropropene

Concen: 46.404 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

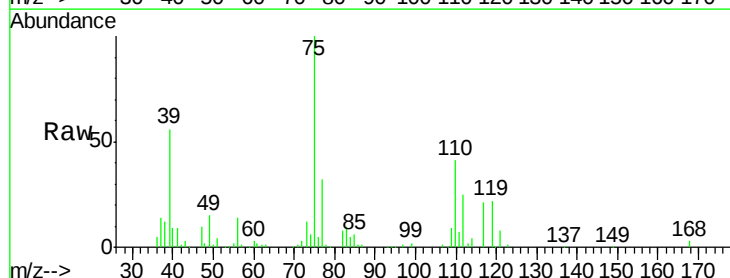
Tgt Ion: 75 Resp: 452533

Ion Ratio Lower Upper

75 100

110 41.3 19.7 59.1

77 31.9 24.7 37.1



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

200000

150000

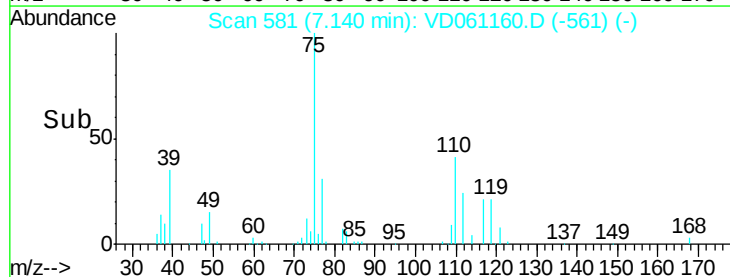
100000

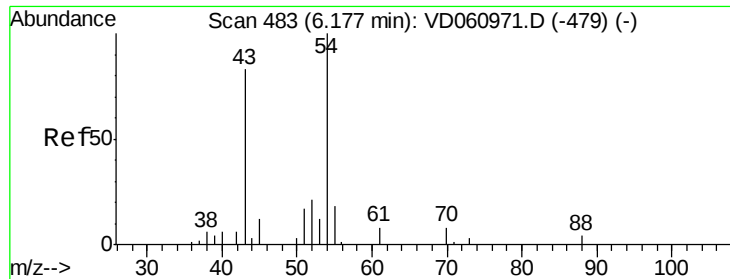
50000

0

7.14

Time-->

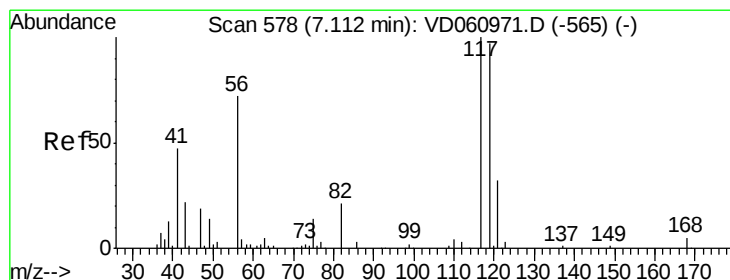
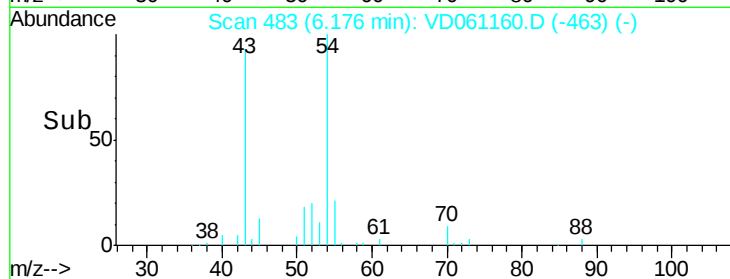
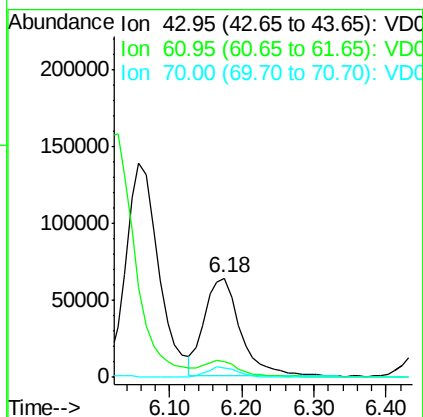
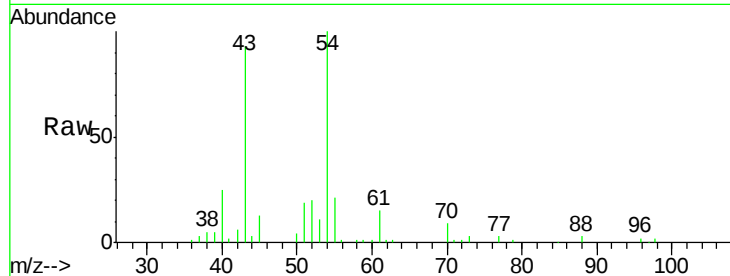




#37
Ethyl Acetate
Concen: 47.899 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

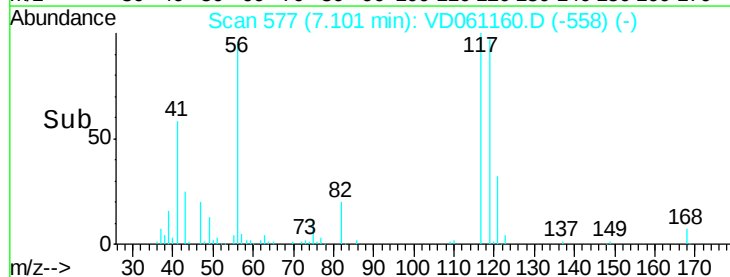
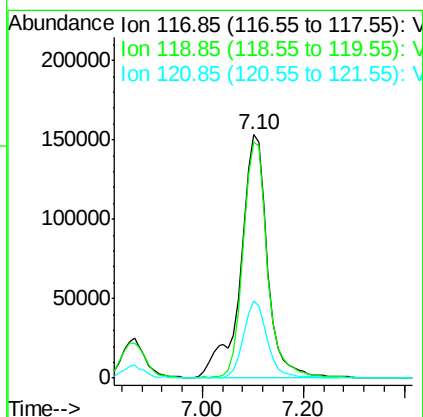
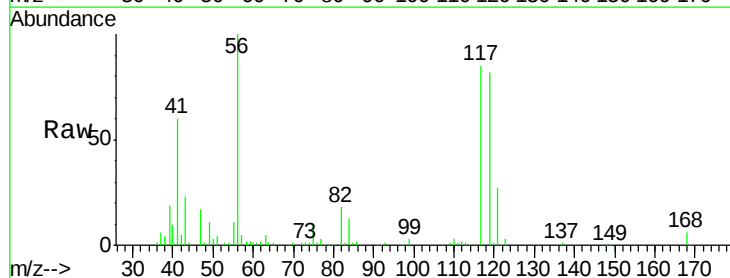
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 219196
Ion Ratio Lower Upper
43 100
61 16.4 13.7 20.5
70 10.1 7.1 10.7



#38
Carbon Tetrachloride
Concen: 52.580 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 117 Resp: 564814
Ion Ratio Lower Upper
117 100
119 96.8 77.8 116.8
121 31.8 25.3 37.9





#39

Methvlcvclohexane

Concen: 46.573 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

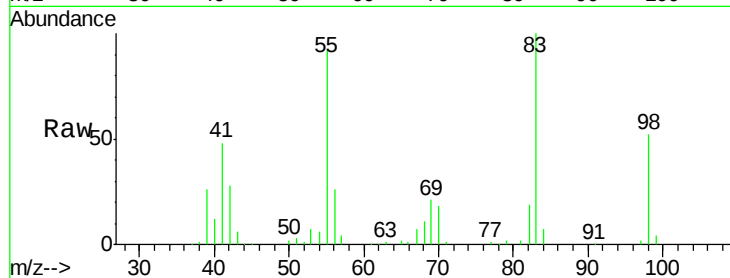
Tot Ion: 83 Resp: 470950

Ion Ratio Lower Upper

83 100

55 91.9 69.6 104.4

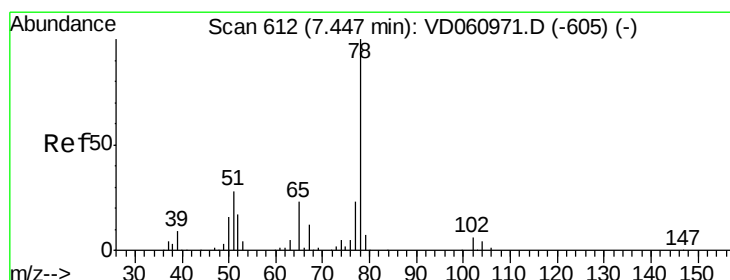
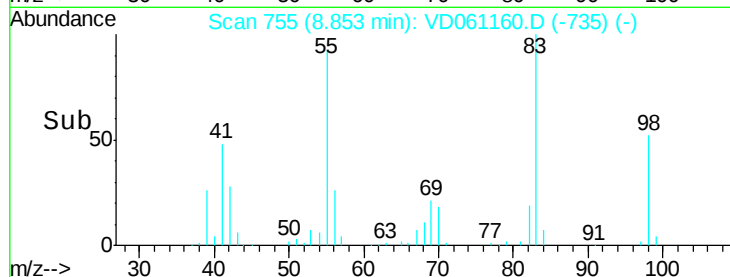
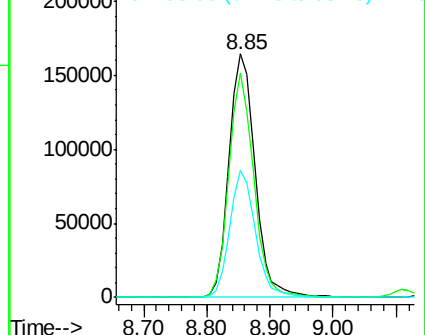
98 52.1 40.0 60.0



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: 46.994 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061160.D

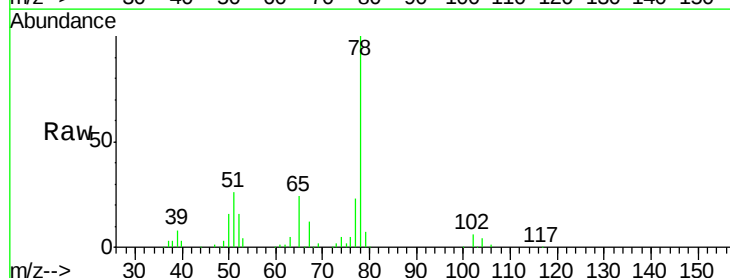
Acq: 18 Mar 2019 23:27

Tgt Ion: 78 Resp: 1145131

Ion Ratio Lower Upper

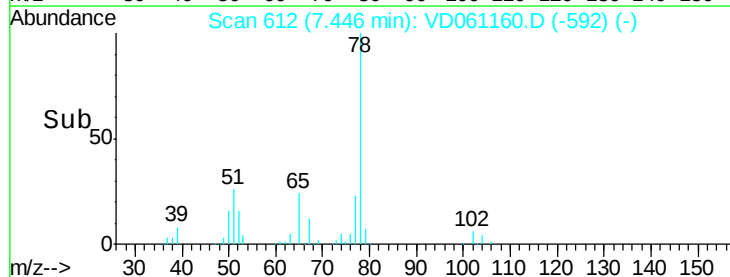
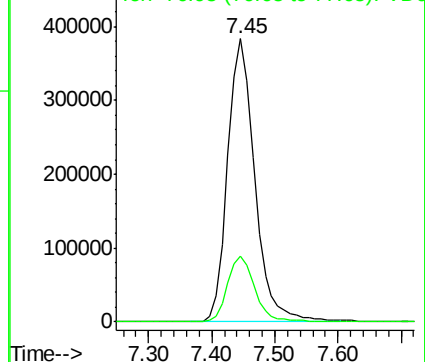
78 100

77 23.1 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 48.312 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 254299

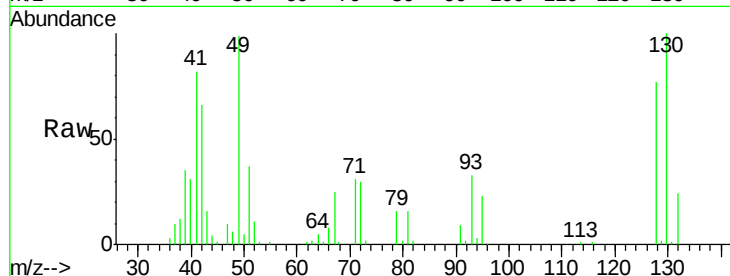
Ion Ratio Lower Upper

41 100

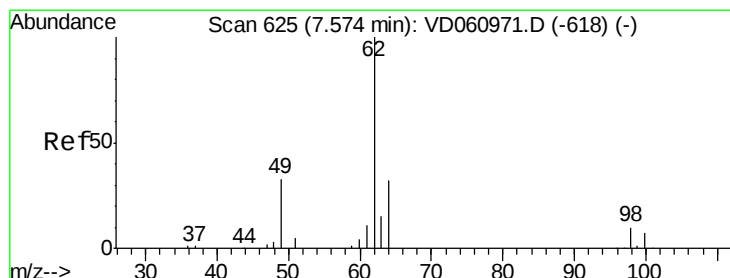
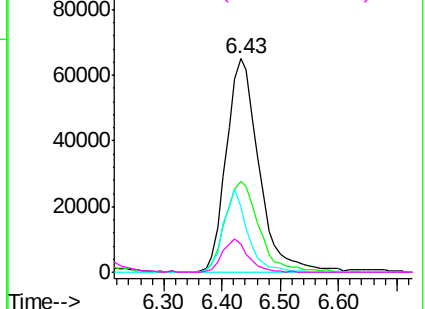
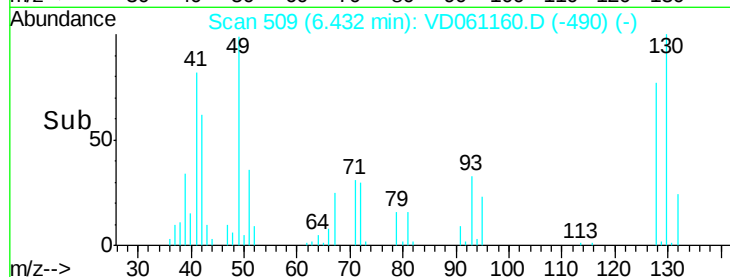
39 42.7 35.7 53.5

67 30.6 23.0 34.6

52 13.3 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: 49.722 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD061160.D

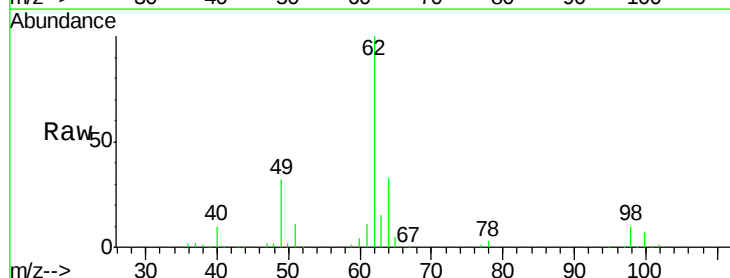
Acq: 18 Mar 2019 23:27

Tgt Ion: 62 Resp: 351609

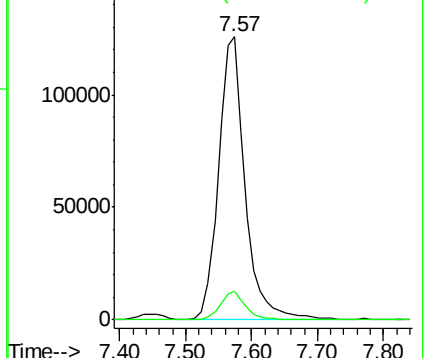
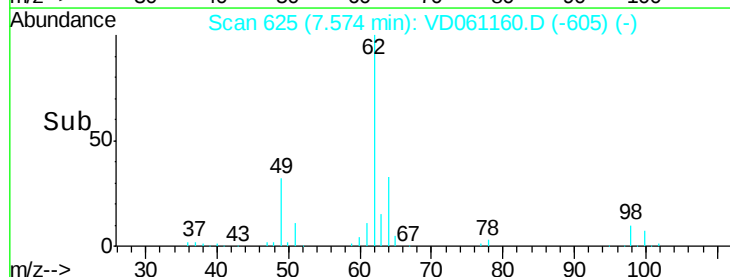
Ion Ratio Lower Upper

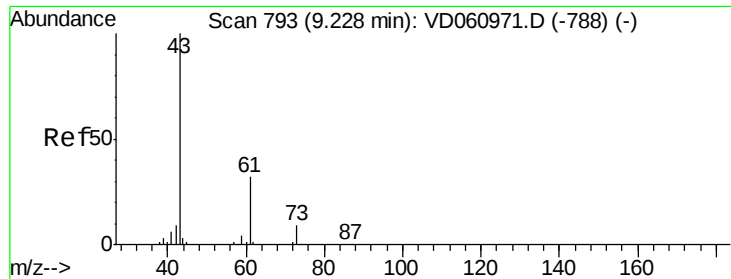
62 100

98 10.1 0.0 20.4



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



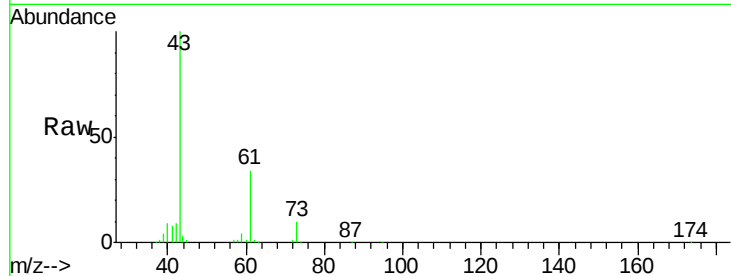


#43

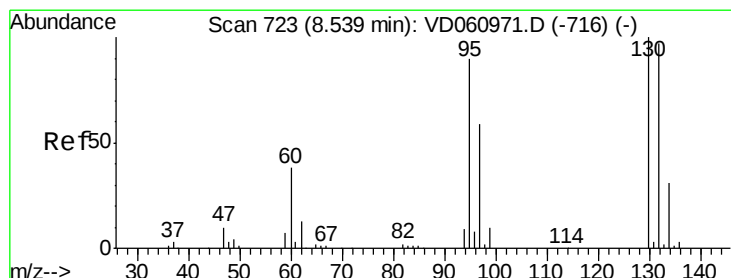
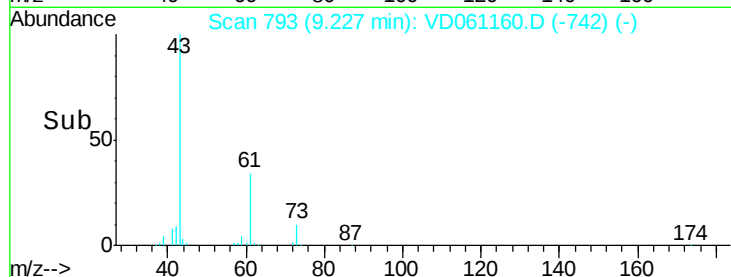
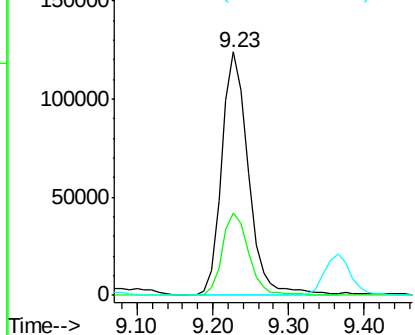
Isopropyl Acetate
 Concen: 48.154 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 305211
 Ion Ratio Lower Upper
 43 100
 61 33.9 25.6 38.4
 87 0.4 0.2 0.4#



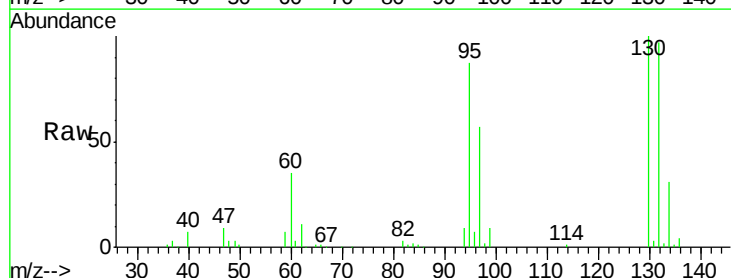
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



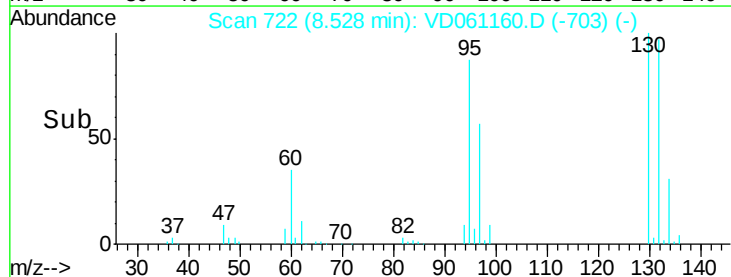
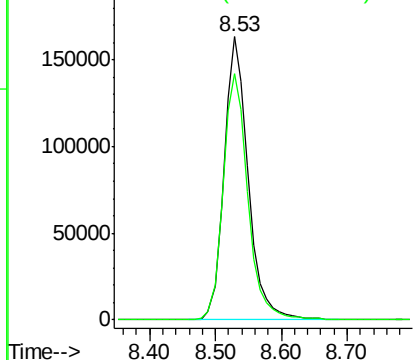
#44

Trichloroethene
 Concen: 49.683 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion:130 Resp: 417670
 Ion Ratio Lower Upper
 130 100
 95 86.8 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 47.755 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

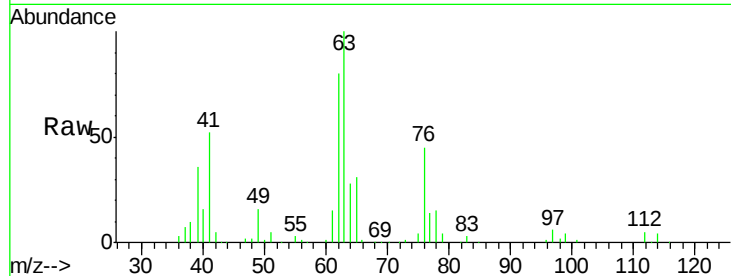
ClientSampleId :

Tot Ion: 63 Resp: 305726

Ion Ratio Lower Upper

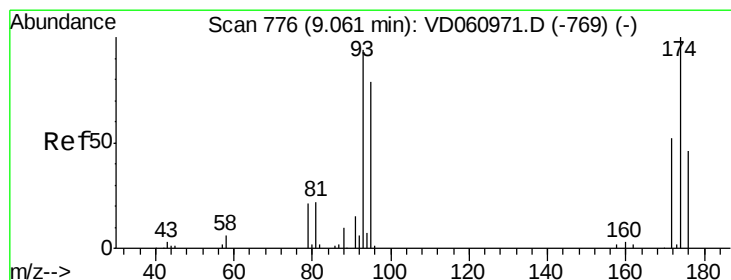
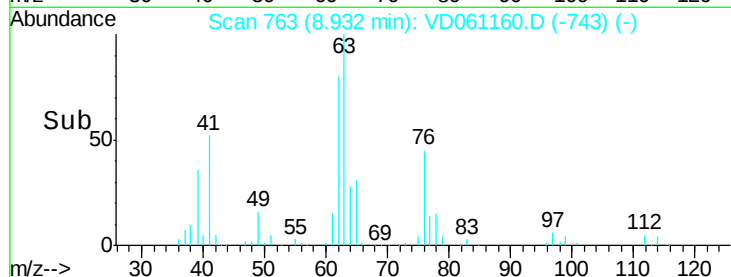
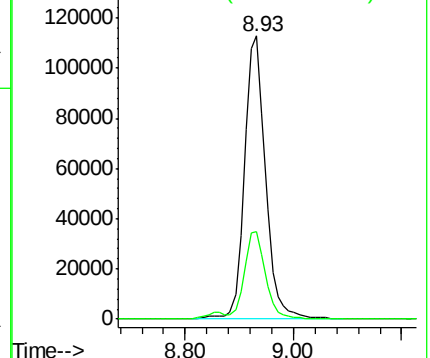
63 100

65 31.1 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: 49.545 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

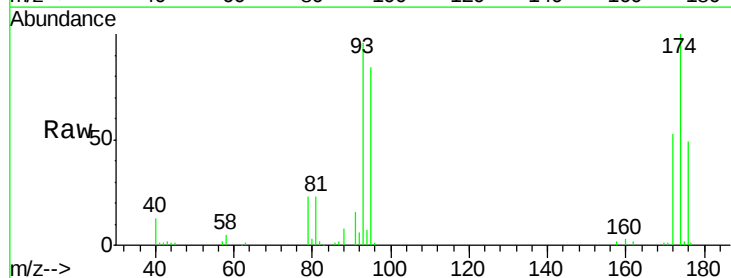
Tgt Ion: 93 Resp: 201198

Ion Ratio Lower Upper

93 100

95 87.6 67.4 101.0

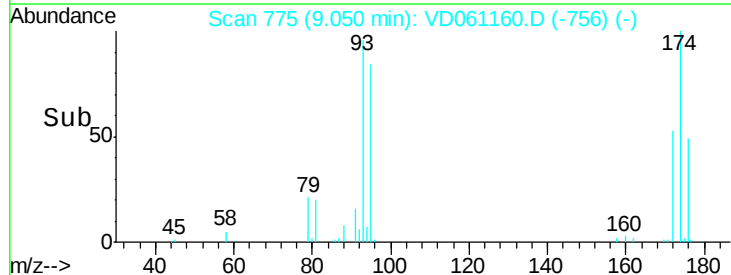
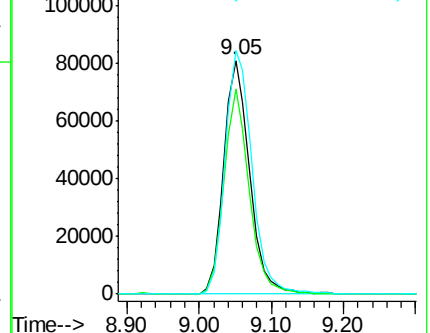
174 104.1 85.4 128.0



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: 52.228 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampled :

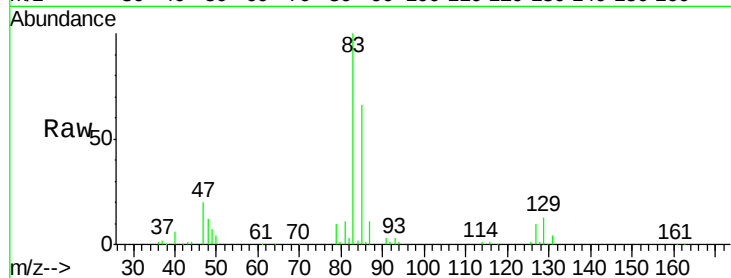
Tot Ion: 83 Resp: 478611

Ion Ratio Lower Upper

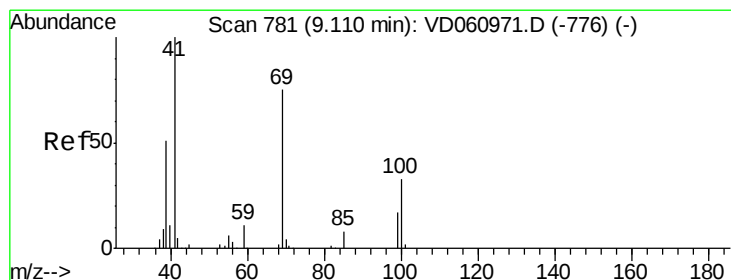
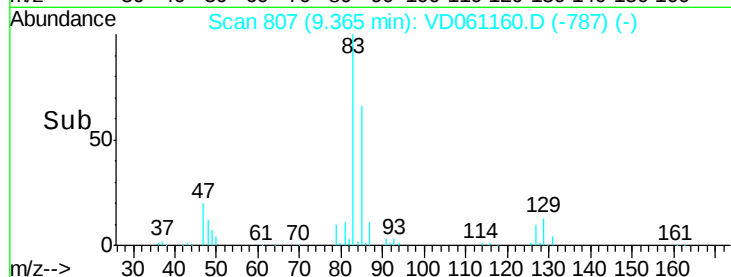
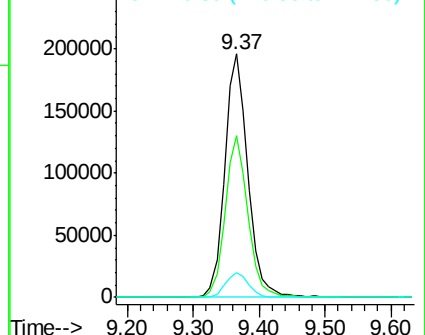
83 100

85 66.2 52.5 78.7

127 10.1 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: 49.607 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

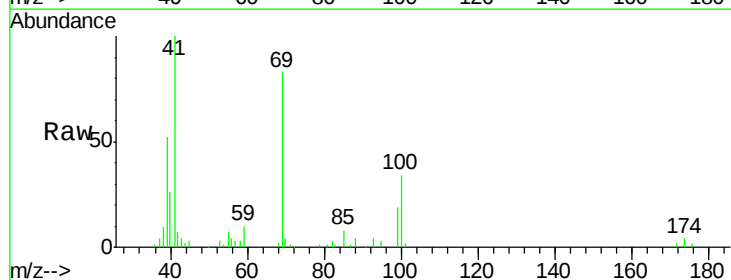
Tgt Ion: 41 Resp: 177031

Ion Ratio Lower Upper

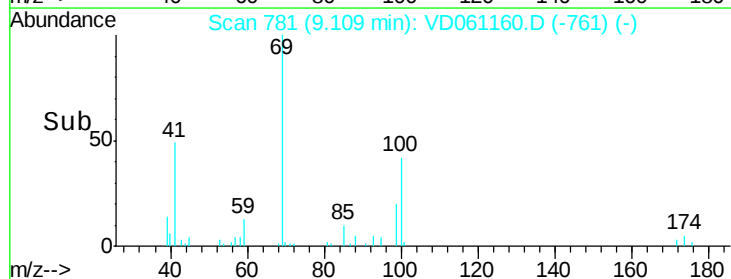
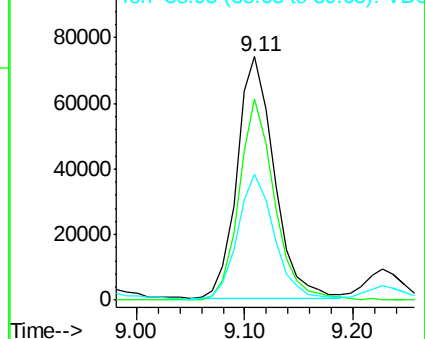
41 100

69 82.7 59.9 89.9

39 51.6 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

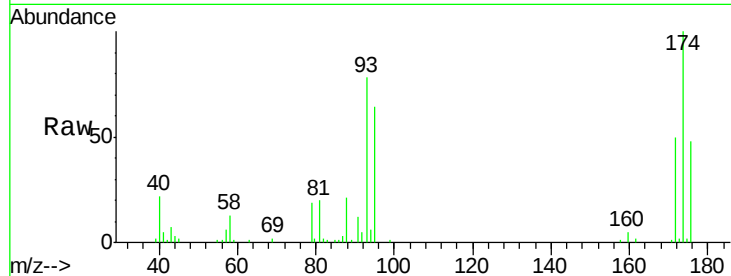




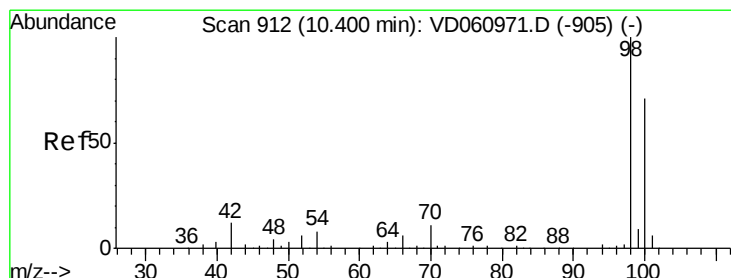
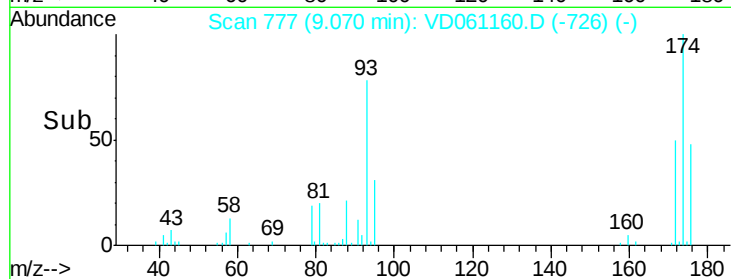
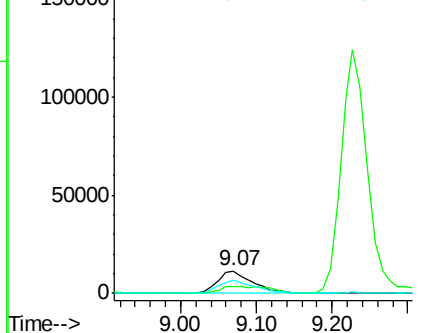
#49
1,4-Dioxane
Concen: 1030.627 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 37191
Ion Ratio Lower Upper
88 100
43 32.2 21.0 31.6#
58 61.7 48.6 72.8

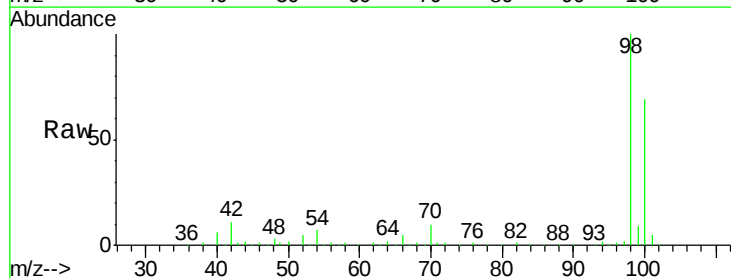


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

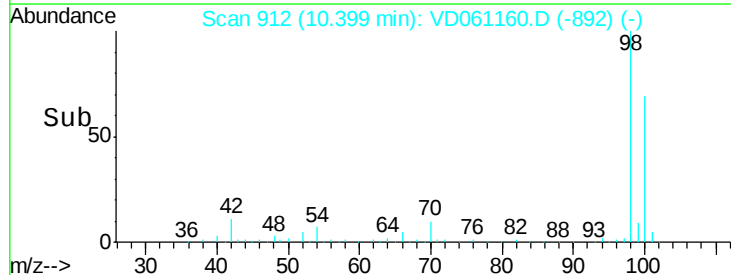
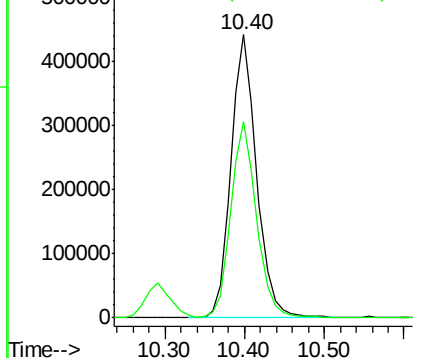


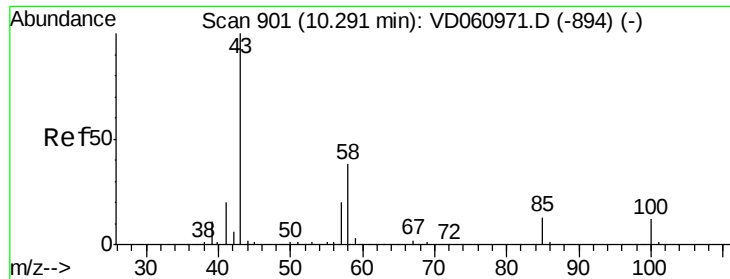
#50
Toluene-d8
Concen: 1030.627 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 98 Resp: 991710
Ion Ratio Lower Upper
98 100
100 69.4 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: 243.296 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

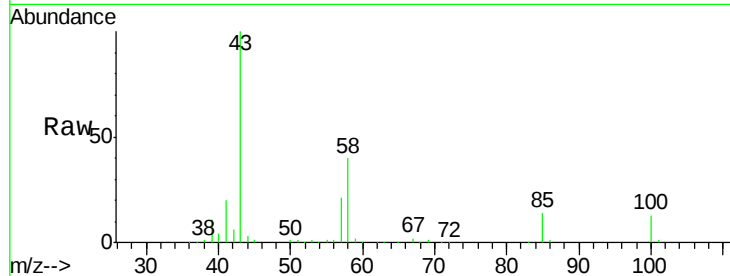
ClientSampled :

Tot Ion: 43 Resp: 944718

Ion Ratio Lower Upper

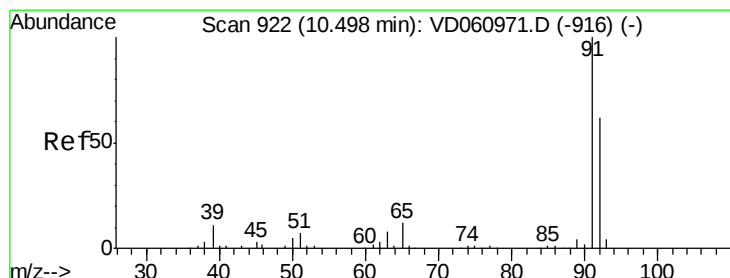
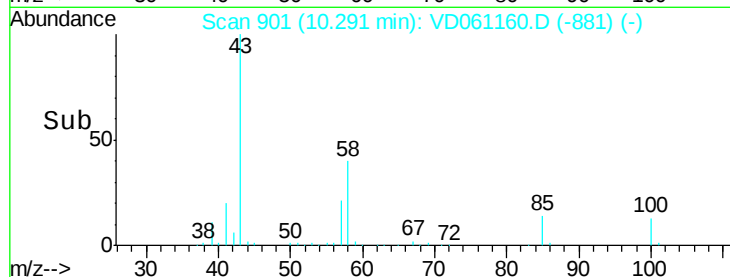
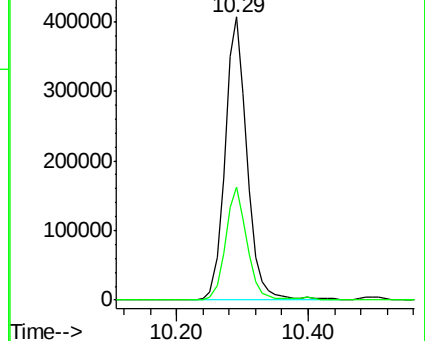
43 100

58 40.0 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.953 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061160.D

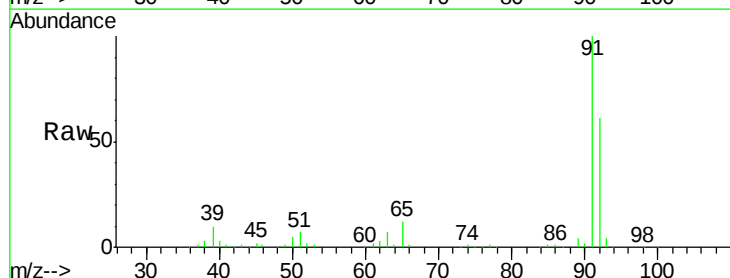
Acq: 18 Mar 2019 23:27

Tgt Ion: 92 Resp: 711463

Ion Ratio Lower Upper

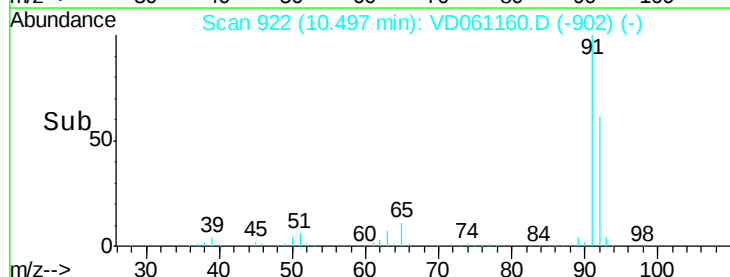
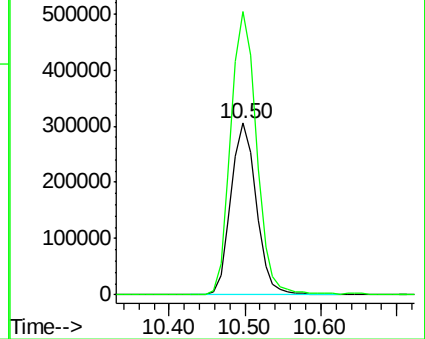
92 100

91 164.9 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

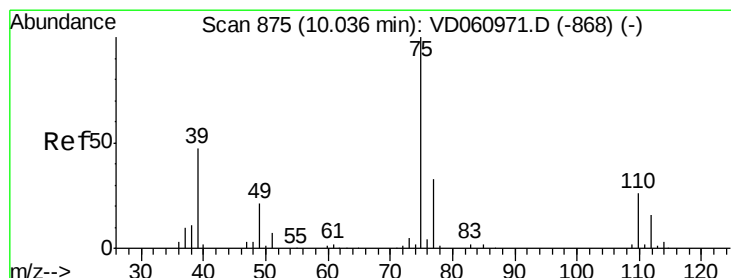
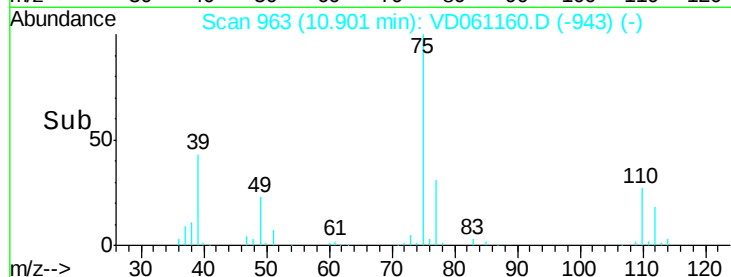
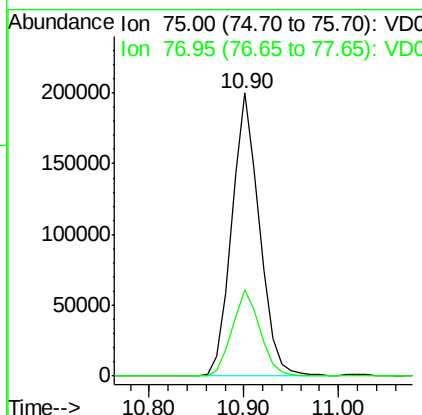
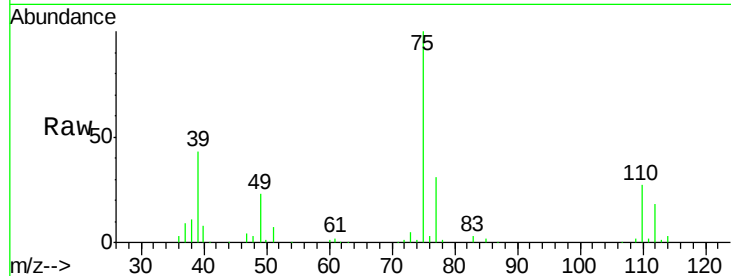




#53
 t-1,3-Dichloropropene
 Concen: 48.246 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

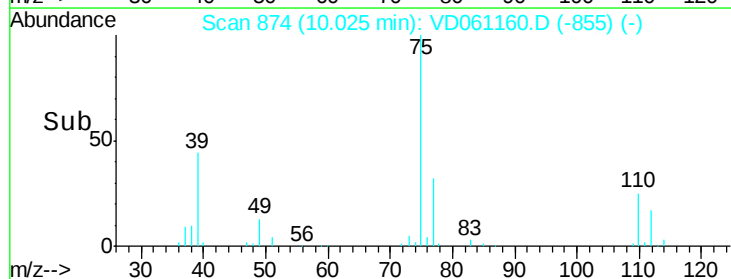
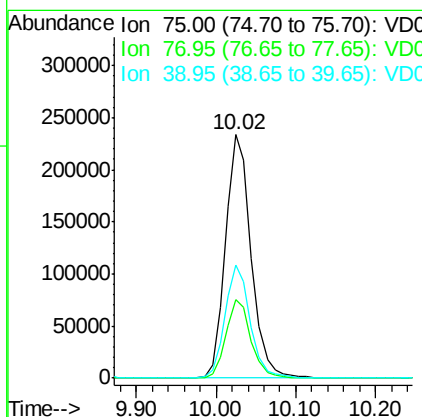
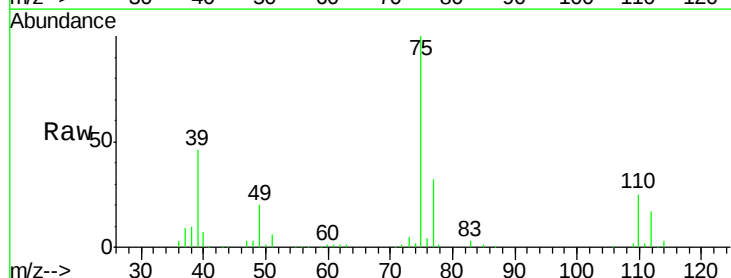
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 404270
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 52.464 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion: 75 Resp: 528201
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.4
 39 46.3 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 53.339 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 269158

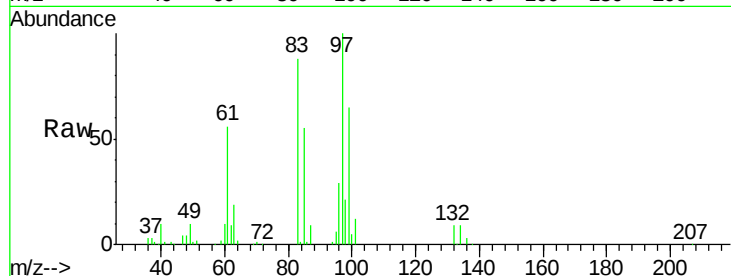
Ion Ratio Lower Upper

97 100

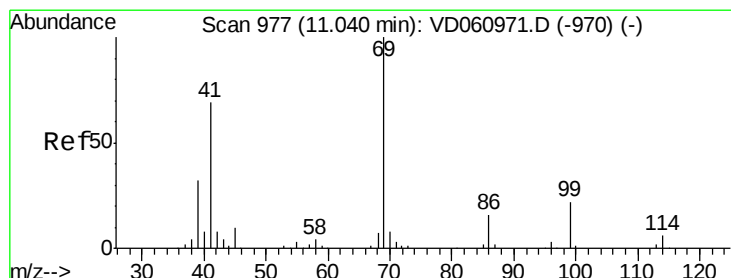
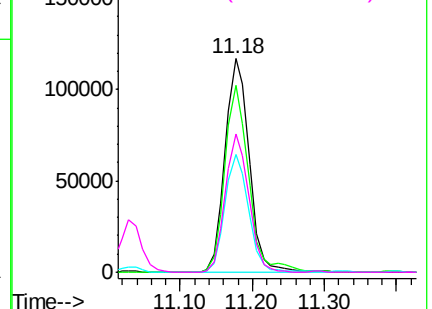
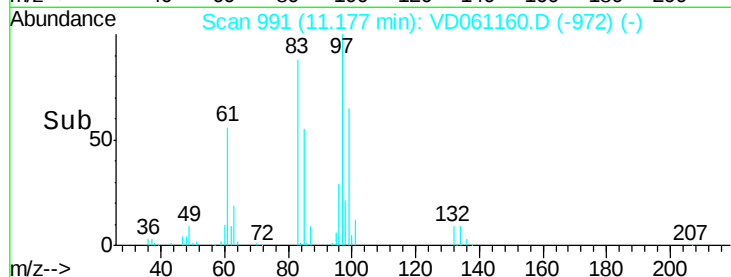
83 87.7 66.6 100.0

85 55.0 46.4 69.6

99 65.0 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: 51.006 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

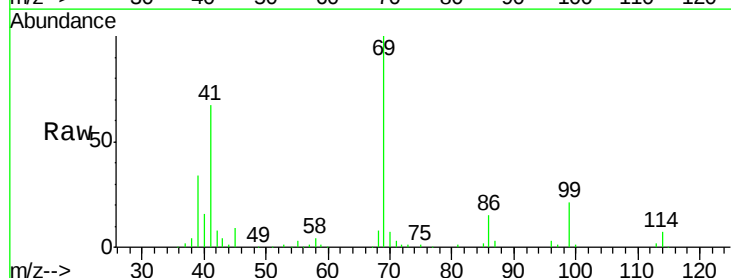
Tgt Ion: 69 Resp: 269408

Ion Ratio Lower Upper

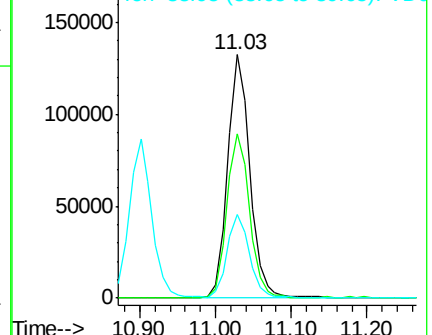
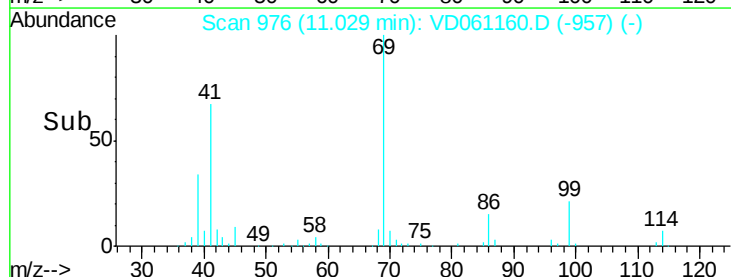
69 100

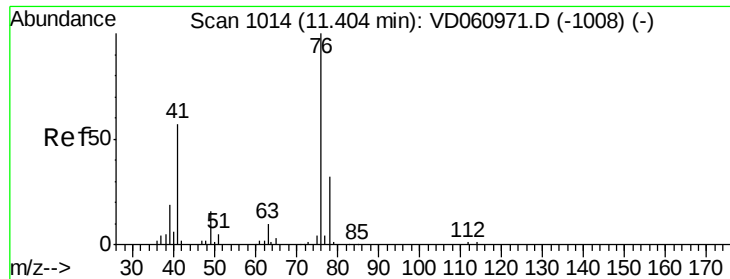
41 67.2 55.5 83.3

39 34.4 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

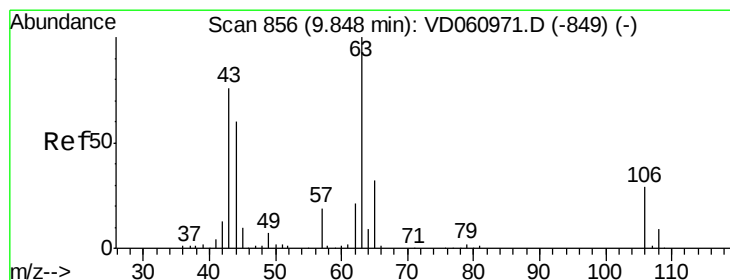
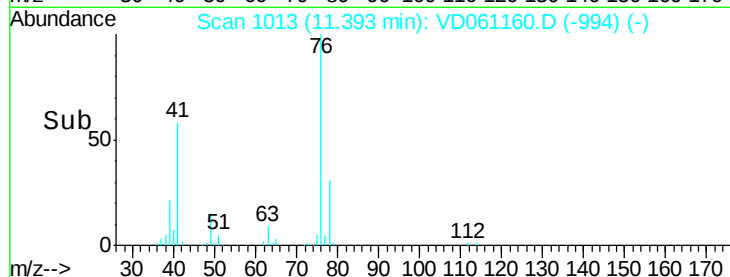
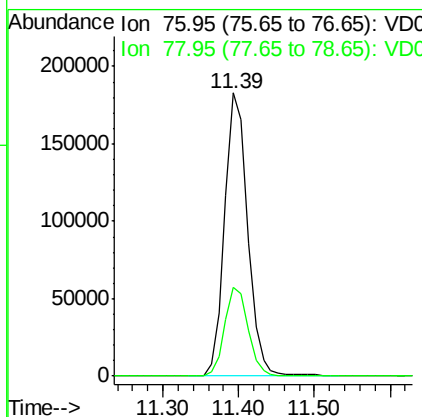
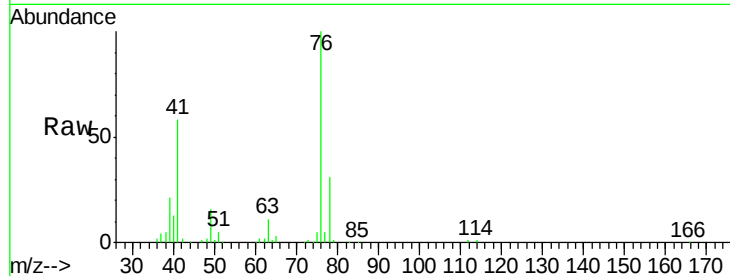




#57
 1,3-Dichloropropane
 Concen: 51.152 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

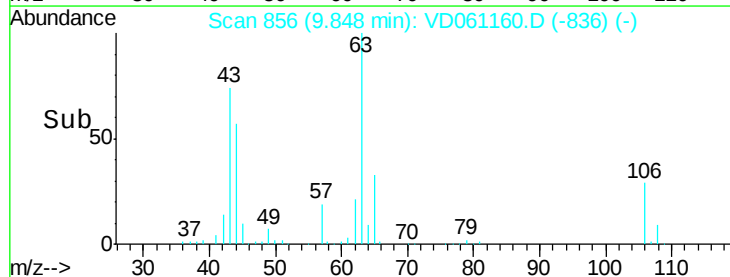
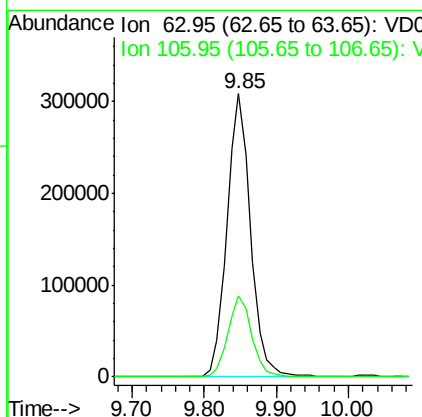
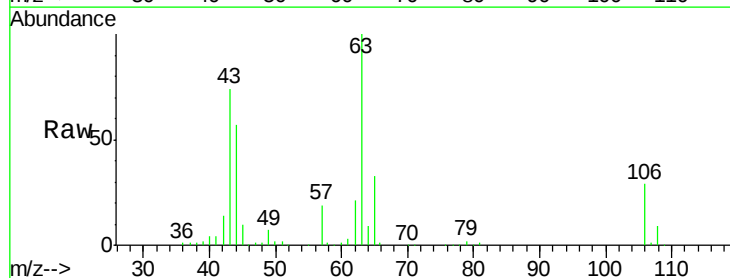
Instrument :
 MSVOA_D
 ClientSampled :

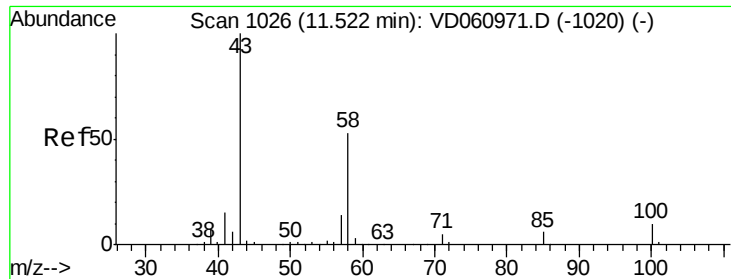
Tot Ion: 76 Resp: 385739
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.683 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion: 63 Resp: 700870
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.8 34.2

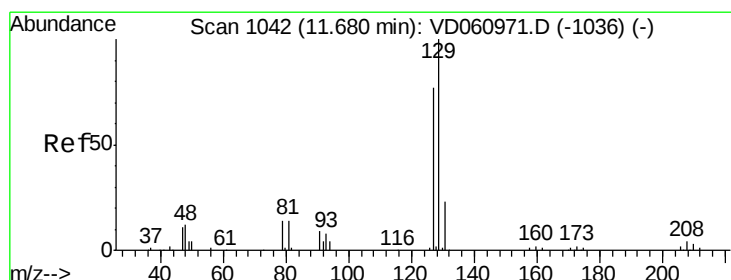
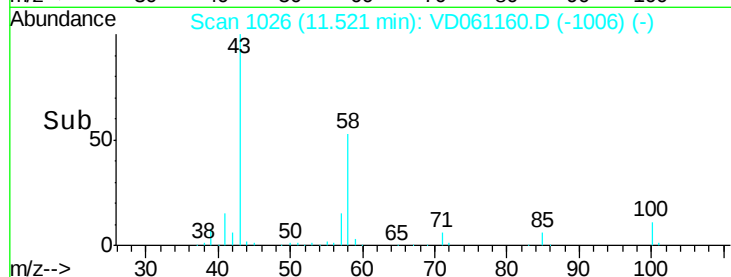
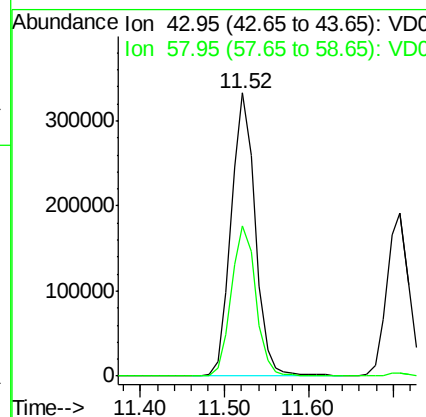
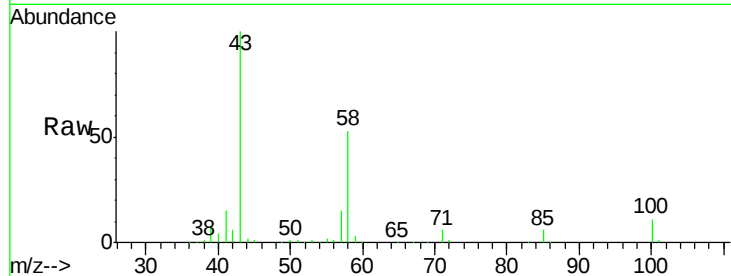




#59
2-Hexanone
Concen: 233.403 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

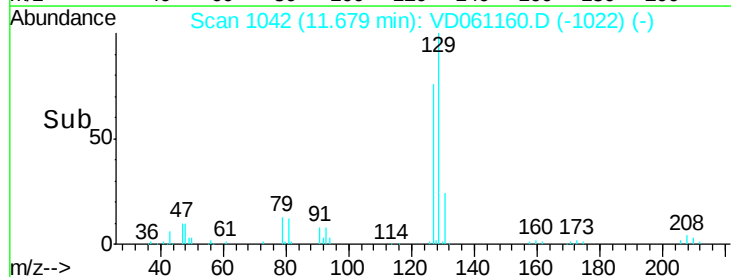
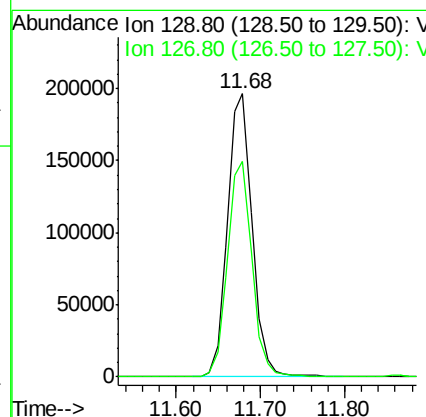
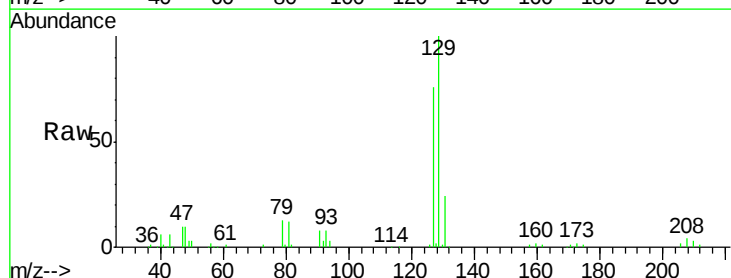
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 662956
Ion Ratio Lower Upper
43 100
58 53.3 26.5 79.5



#60
Dibromochloromethane
Concen: 53.403 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion:129 Resp: 396597
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.9

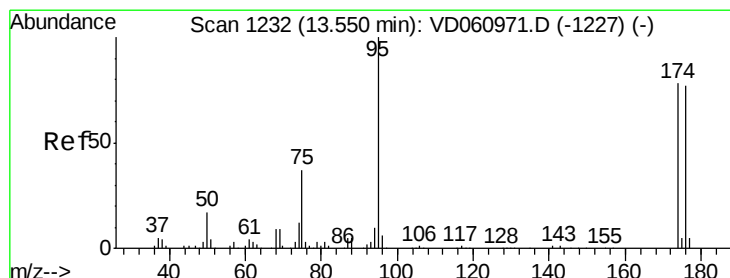
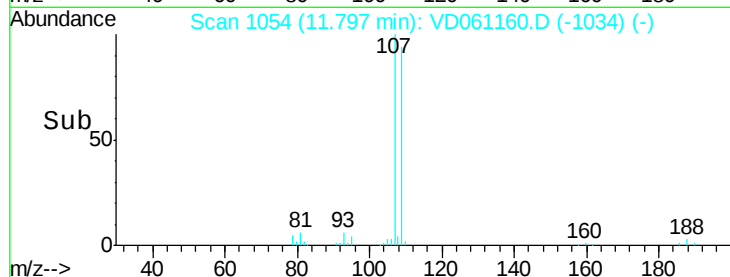
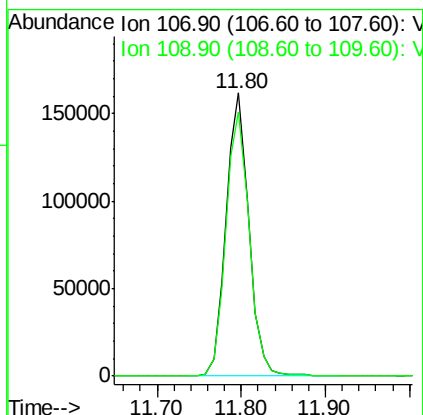
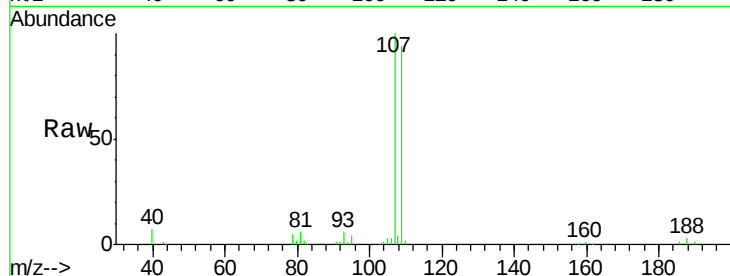




#61
 1,2-Dibromoethane
 Concen: 51.765 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

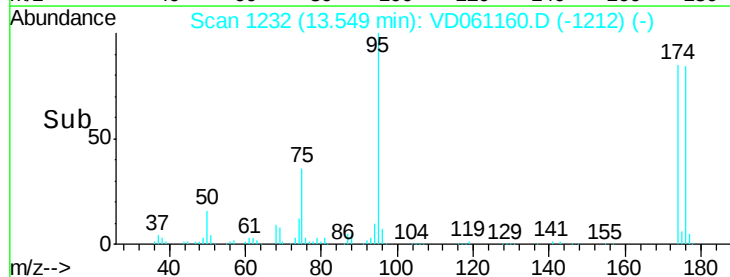
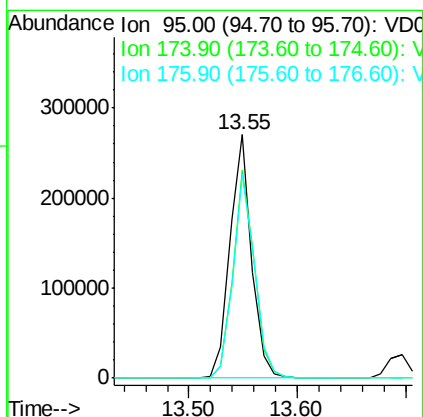
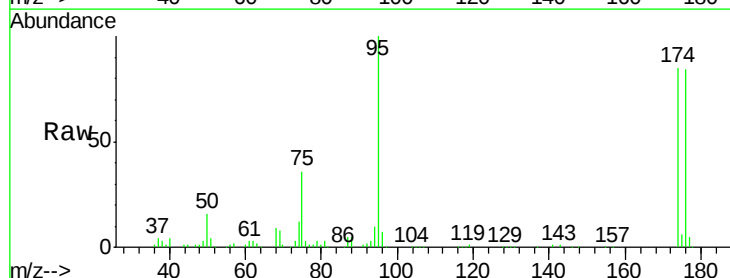
Instrument :
 MSVOA_D
 ClientSampleId :

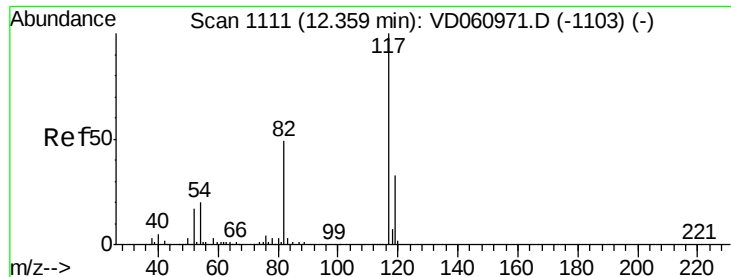
Tot Ion:107 Resp: 303872
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.765 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion: 95 Resp: 375048
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 155.6
 176 83.6 0.0 153.8

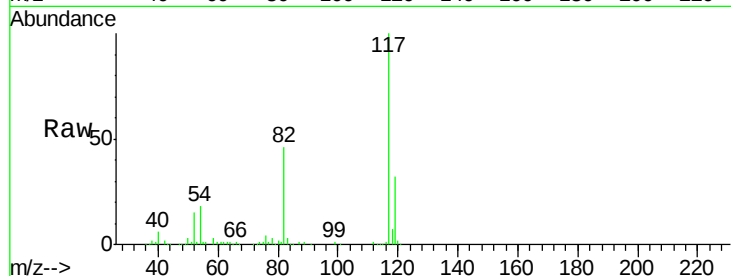




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.8	38.9	58.3
119	32.4	26.6	39.8

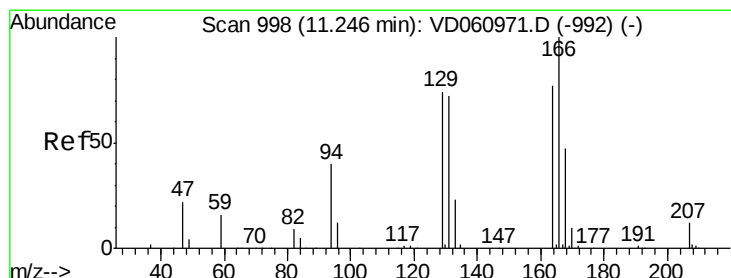
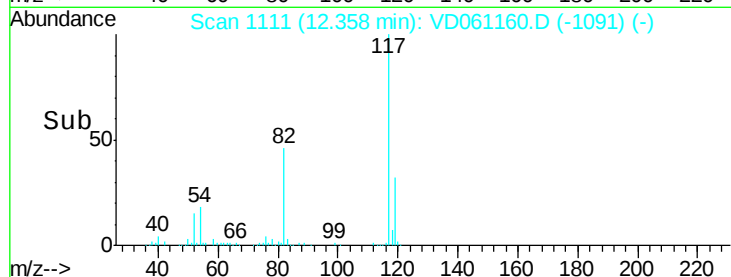
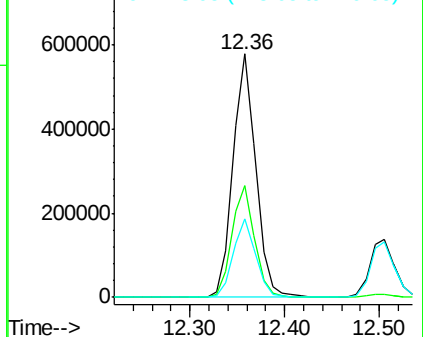


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 49.992 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.4	155.0
129	92.2	76.9	115.3
131	89.5	74.4	111.6

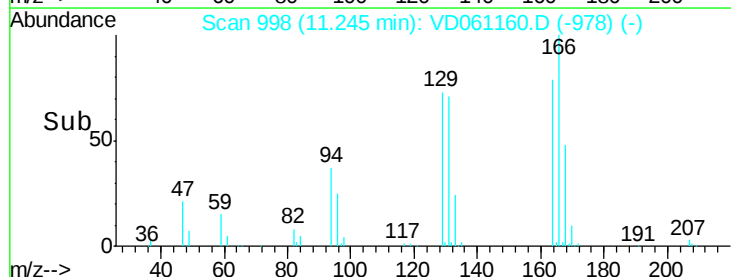
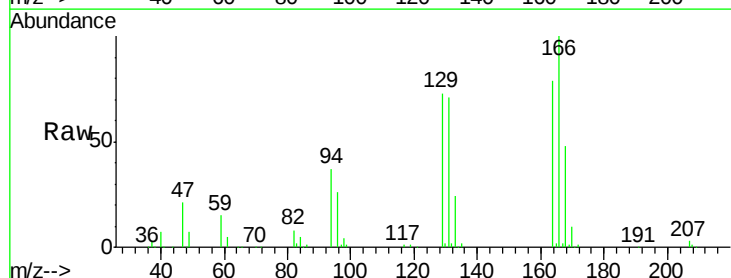
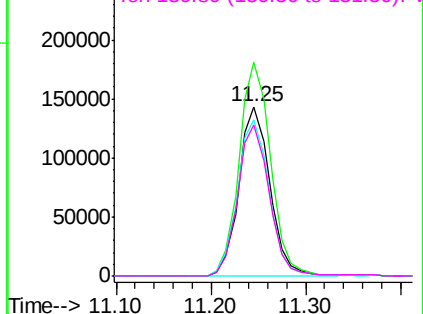
Abundance

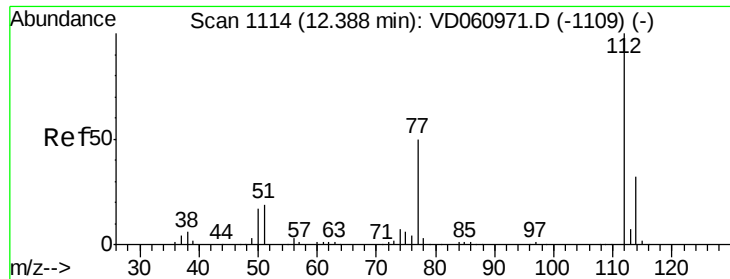
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

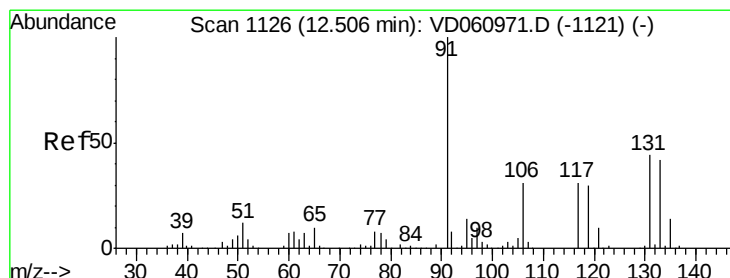
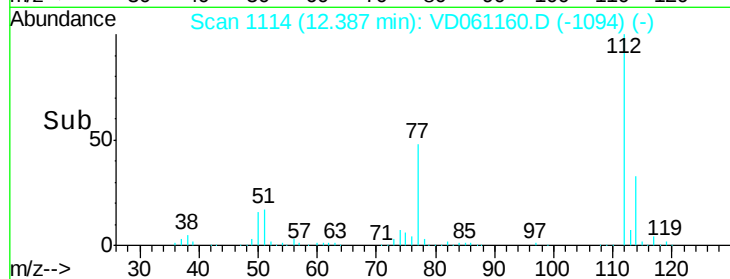
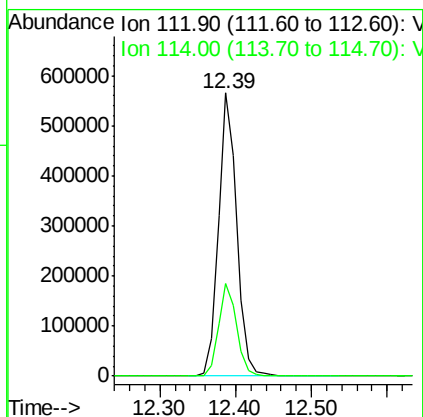
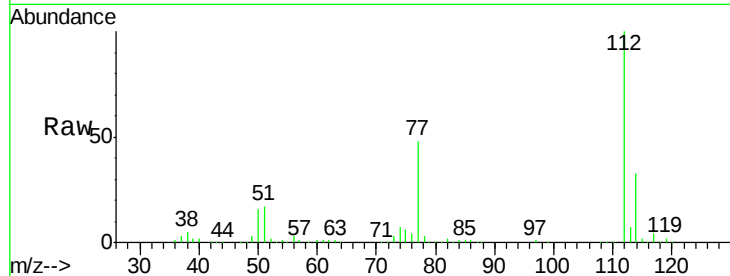




#65
Chlorobenzene
Concen: 50.378 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

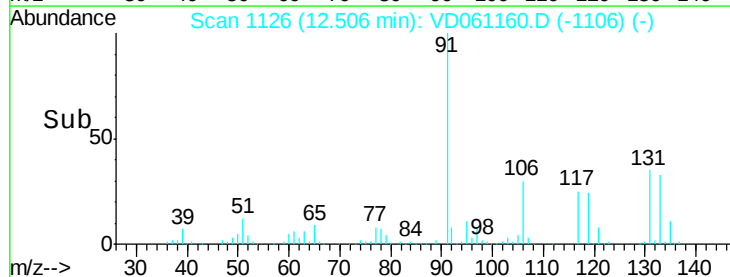
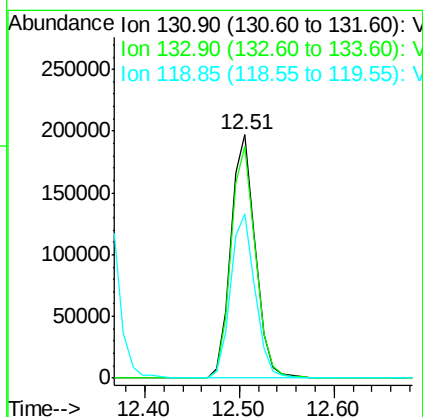
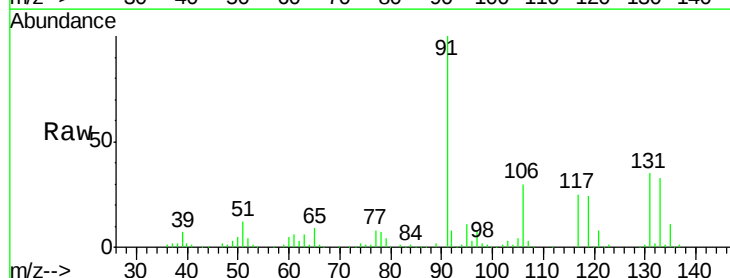
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 955156
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.072 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion:131 Resp: 351920
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 67.4 34.3 102.9

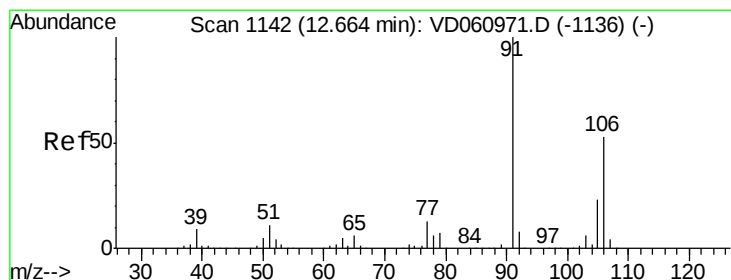
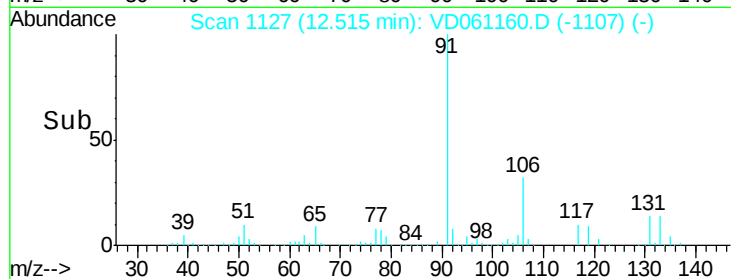
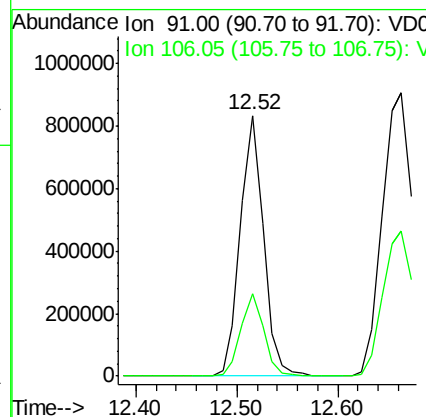
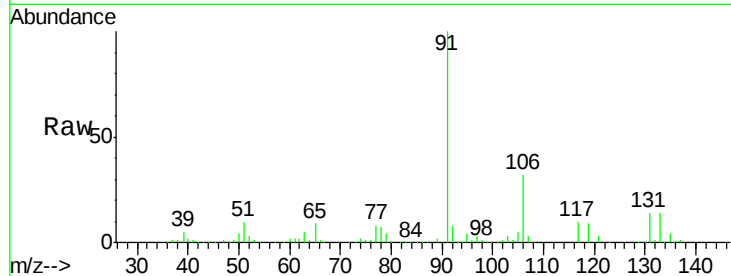




#67
Ethyl Benzene
Concen: 47.340 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

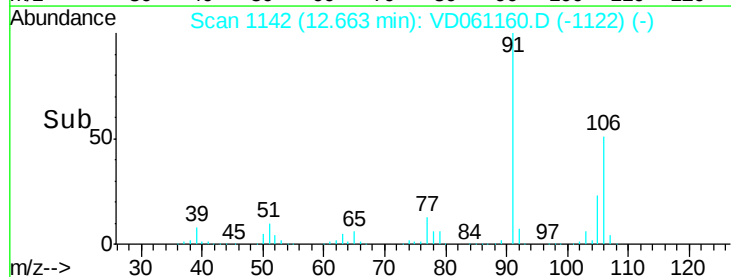
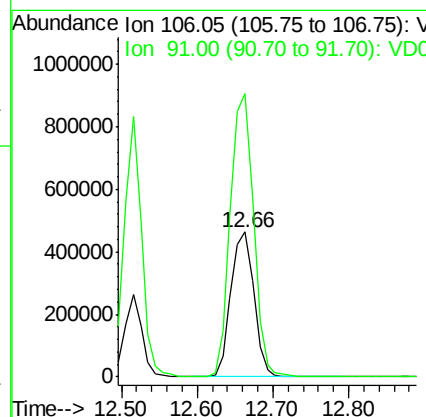
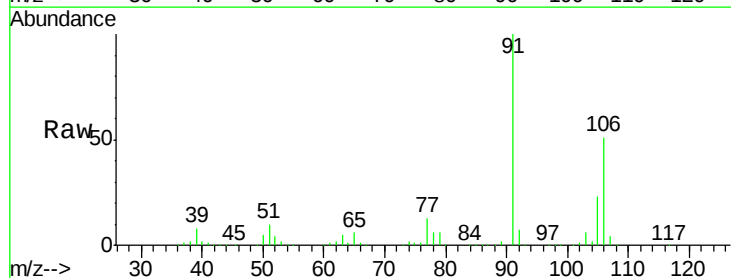
Instrument :
MSVOA_D
ClientSampleId :

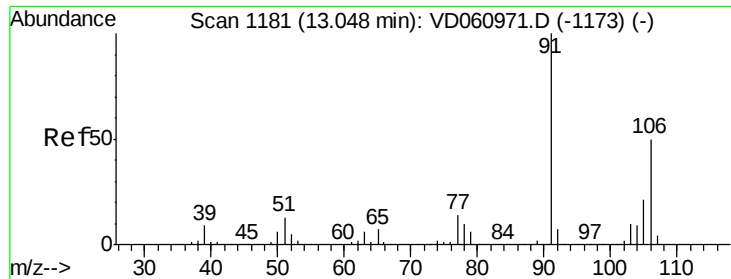
Tot Ion: 91 Resp: 1336242
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5



#68
m/p-Xylenes
Concen: 87.796 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 106 Resp: 972667
Ion Ratio Lower Upper
106 100
91 195.8 152.0 228.0

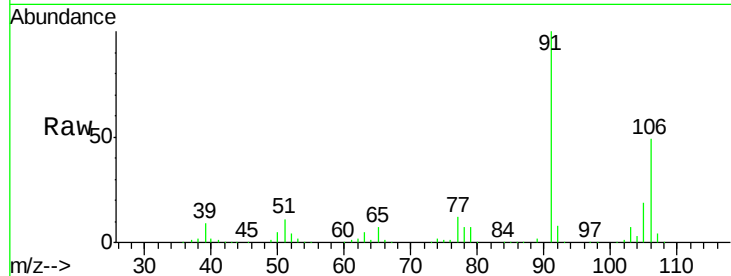




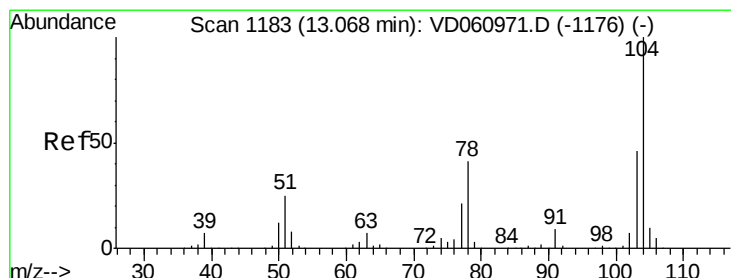
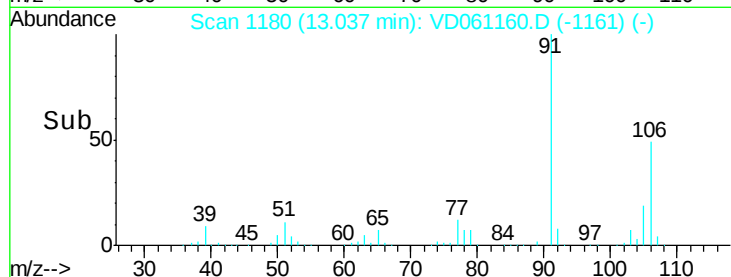
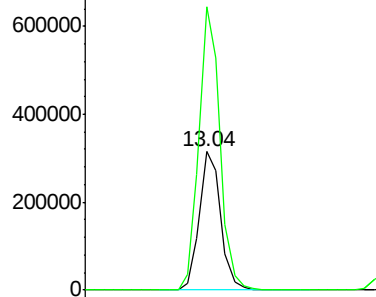
#69
o-Xylene
Concen: 45.400 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 494408
Ion Ratio Lower Upper
106 100
91 204.2 99.8 299.3

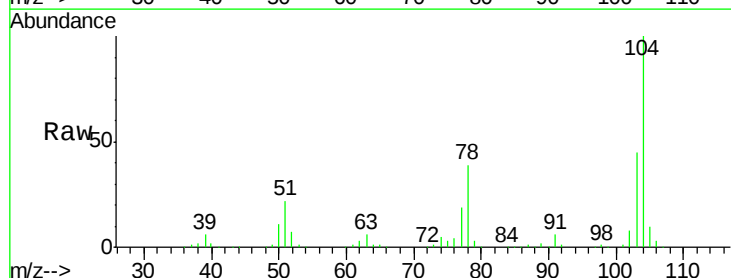


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

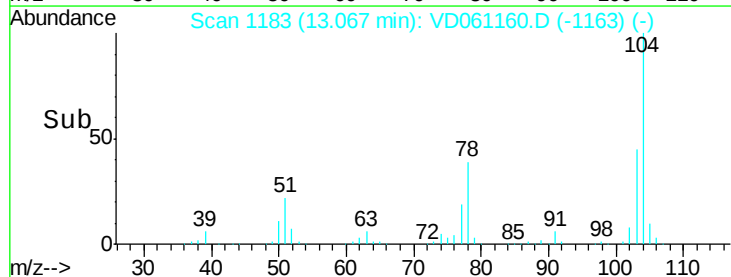
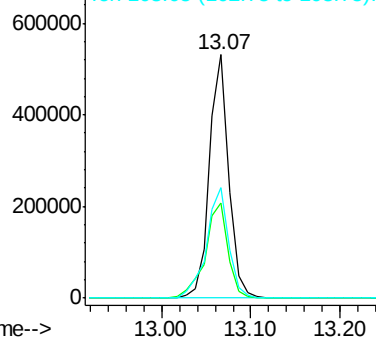


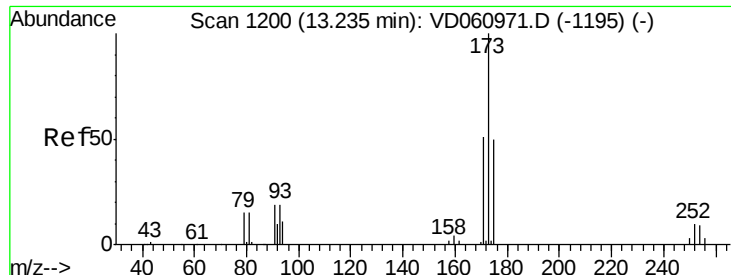
#70
Styrene
Concen: 45.226 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion:104 Resp: 804229
Ion Ratio Lower Upper
104 100
78 39.2 33.0 49.4
103 45.2 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

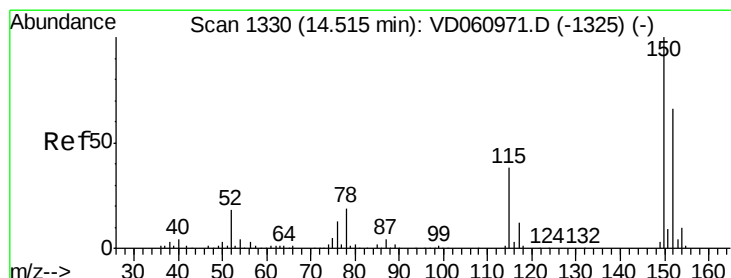
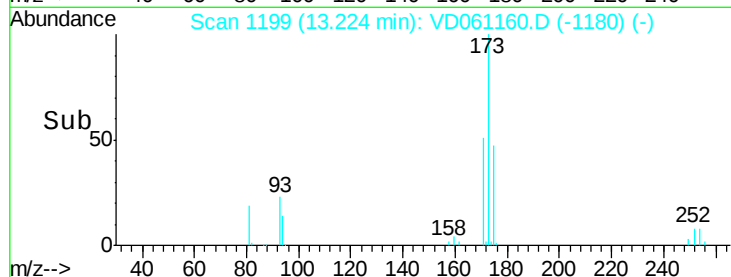
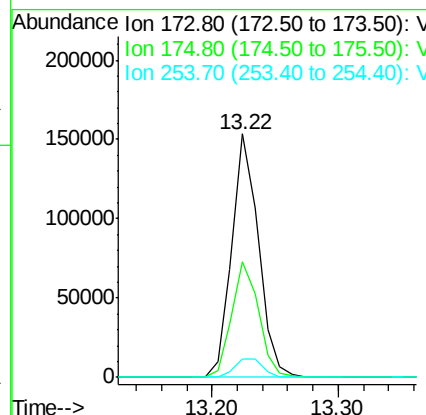
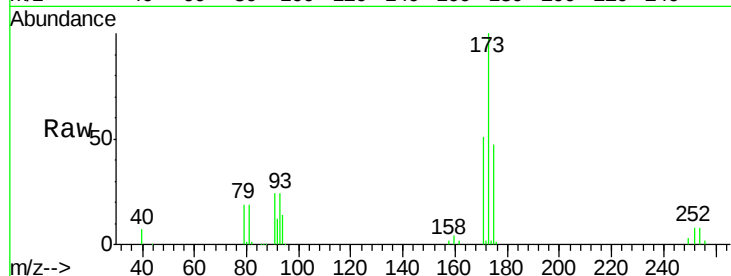




#71
 Bromoform
 Concen: 51.204 ug/l
 RT: 13.22 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

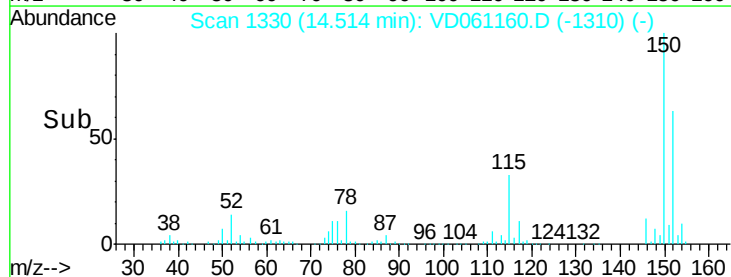
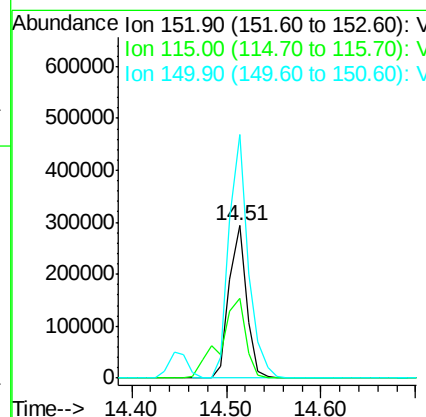
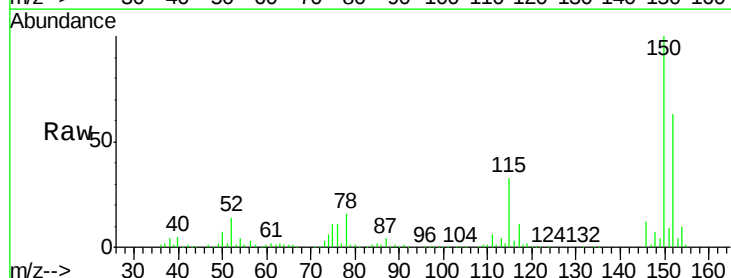
Instrument :
 MSVOA_D
 ClientSampled :

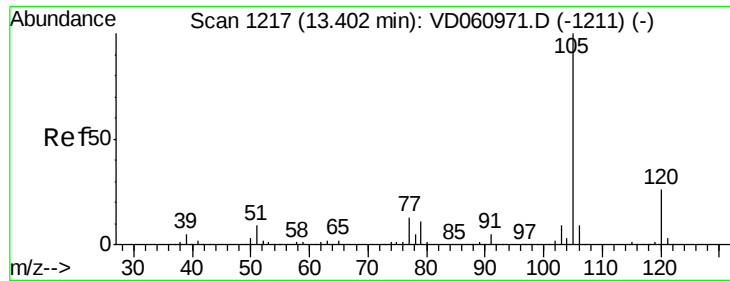
Tot Ion:173 Resp: 223242
 Ion Ratio Lower Upper
 173 100
 175 47.2 24.9 74.8
 254 7.5 7.3 10.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion:152 Resp: 375079
 Ion Ratio Lower Upper
 152 100
 115 52.7 28.6 85.9
 150 159.9 0.0 310.6





#73

Isopropylbenzene

Concen: 51.106 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

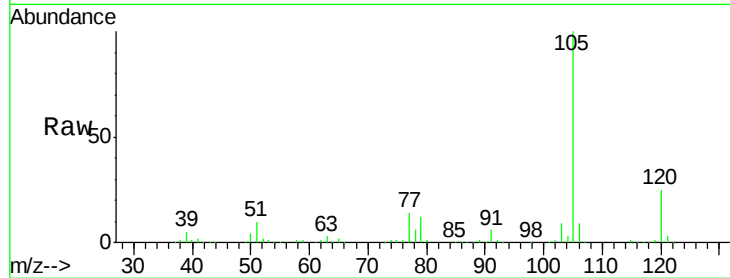
ClientSampleId :

Tot Ion:105 Resp: 1381461

Ion Ratio Lower Upper

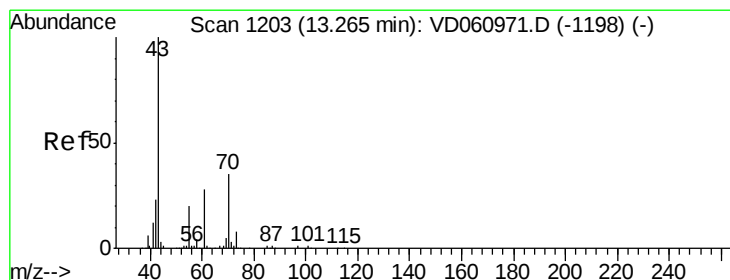
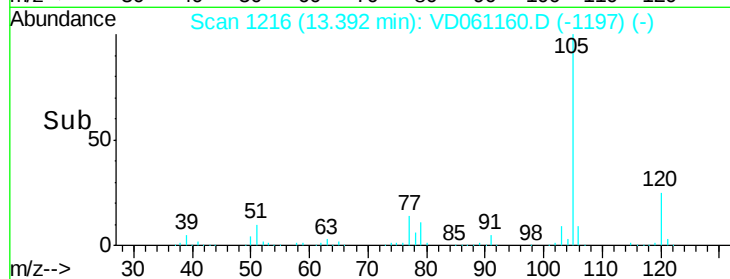
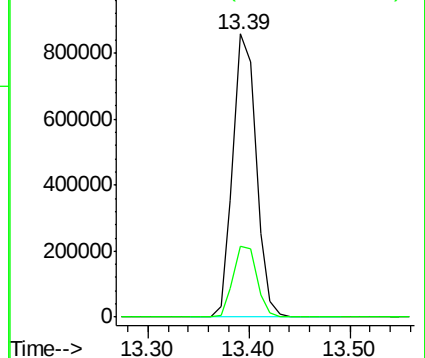
105 100

120 25.2 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 45.871 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Tgt Ion: 43 Resp: 349137

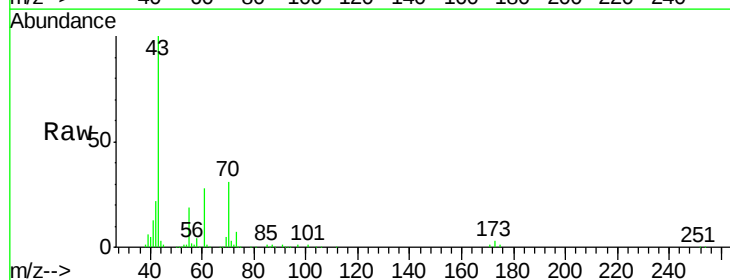
Ion Ratio Lower Upper

43 100

70 31.2 27.7 41.5

55 19.0 16.2 24.2

61 27.8 22.3 33.5

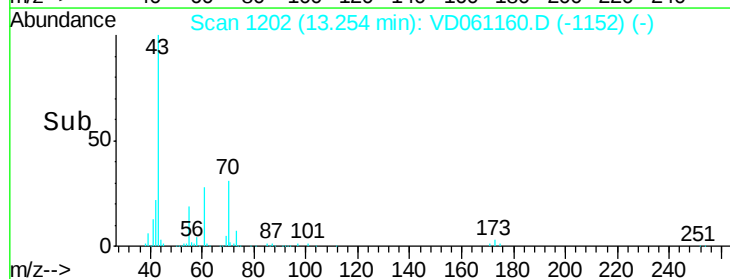
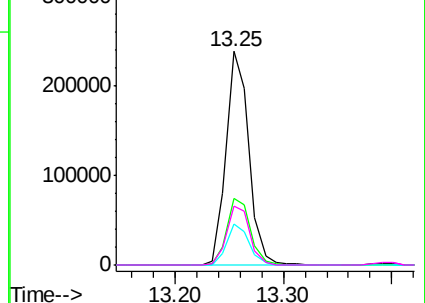


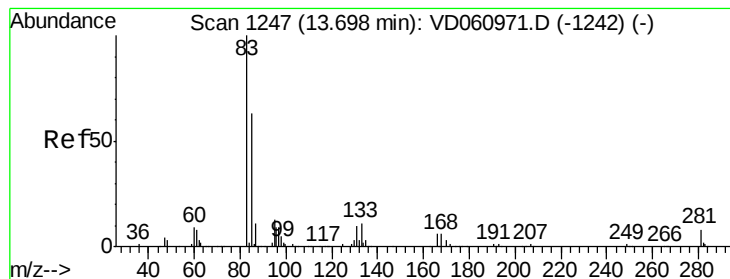
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 53.393 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

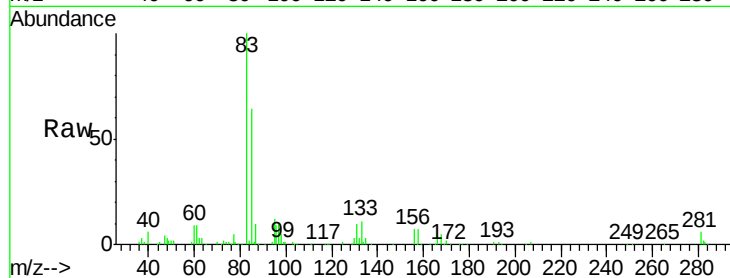
Tot Ion: 83 Resp: 281589

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

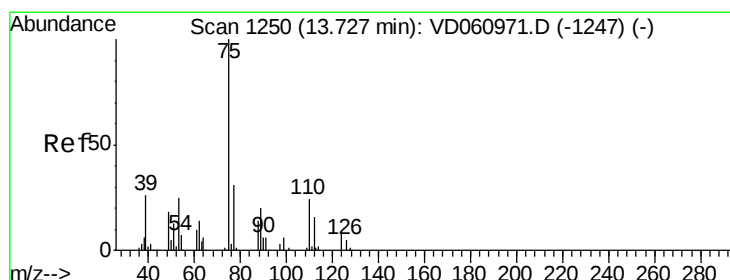
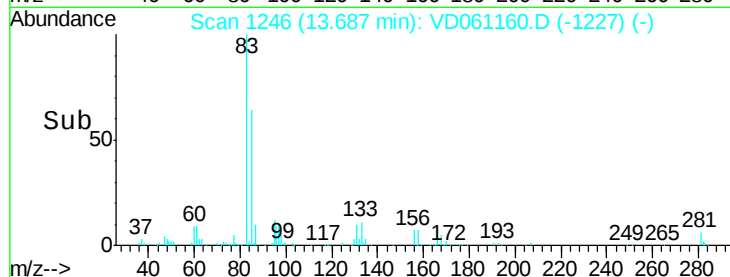
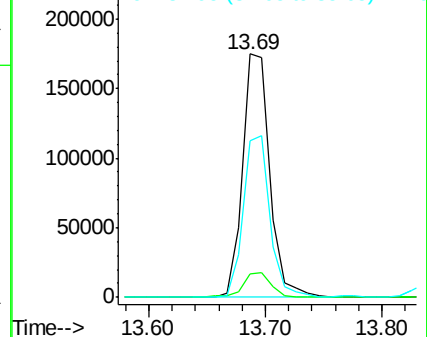
85 64.4 31.5 94.5



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: 54.300 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061160.D

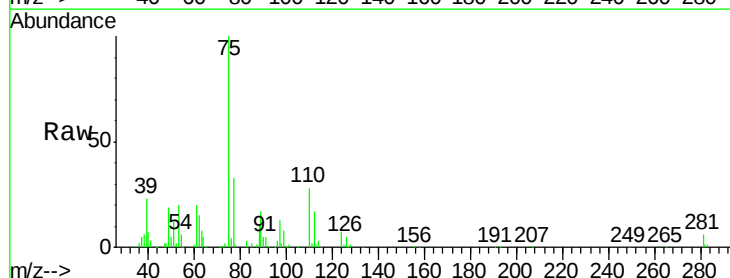
Acq: 18 Mar 2019 23:27

Tgt Ion: 75 Resp: 293011

Ion Ratio Lower Upper

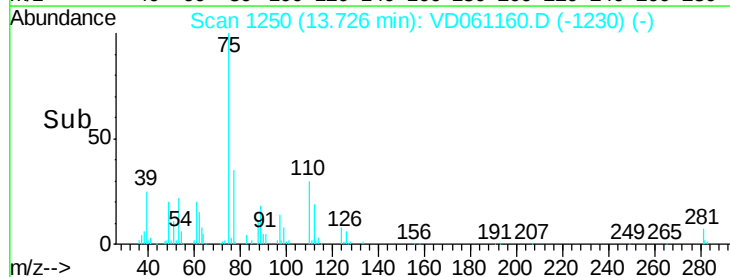
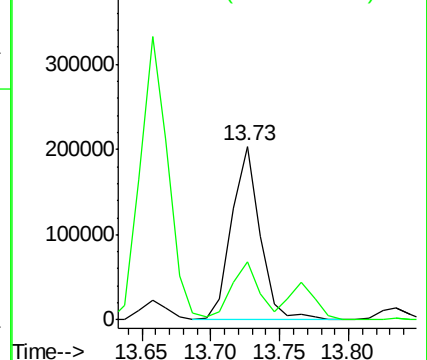
75 100

77 33.2 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: 54.617 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampled :

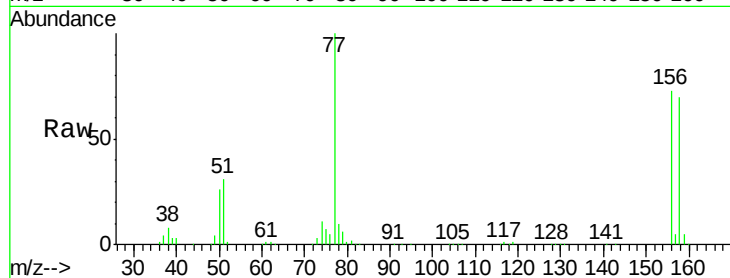
Tot Ion:156 Resp: 376872

Ion Ratio Lower Upper

156 100

77 136.7 55.5 166.7

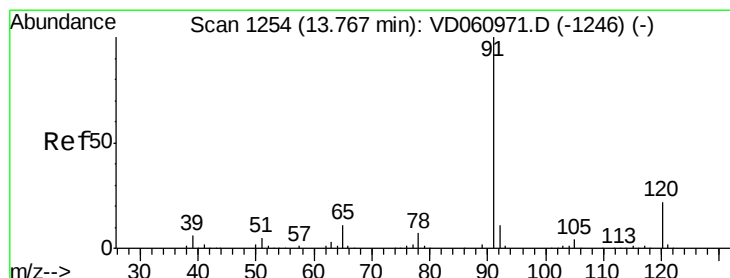
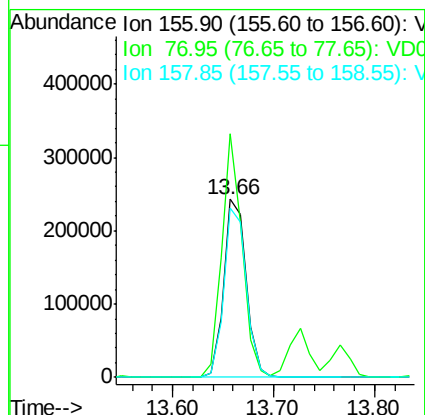
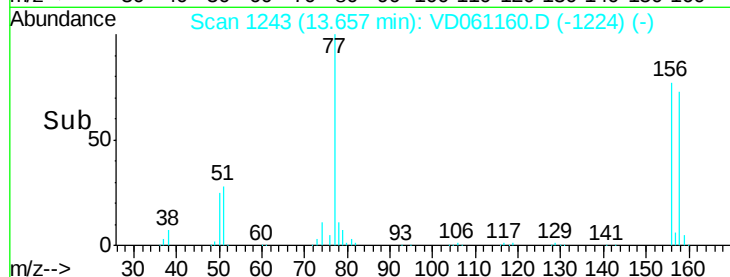
158 95.1 49.0 147.0



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: 52.275 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061160.D

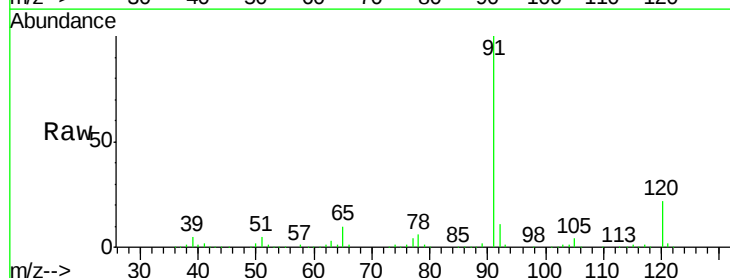
Acq: 18 Mar 2019 23:27

Tgt Ion: 91 Resp: 1654263

Ion Ratio Lower Upper

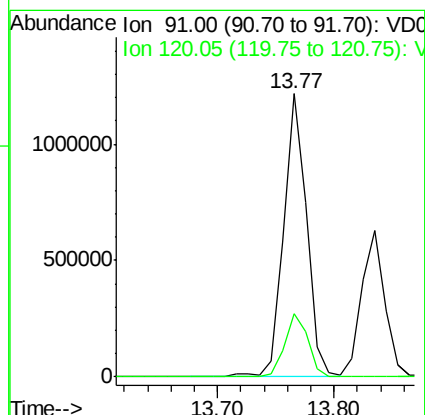
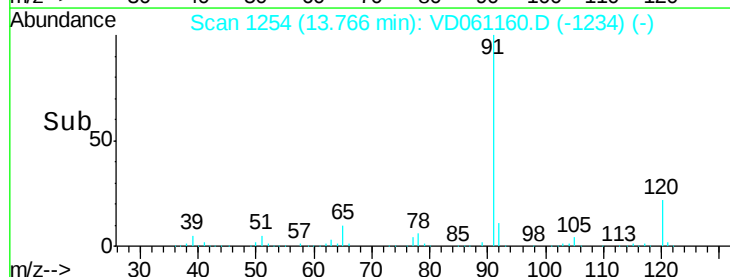
91 100

120 22.5 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: 49.859 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

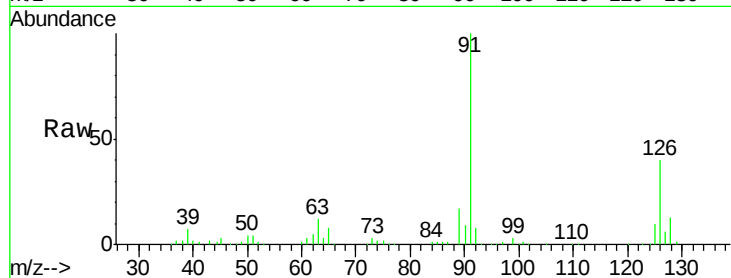
ClientSampleId :

Tot Ion: 91 Resp: 868645

Ion Ratio Lower Upper

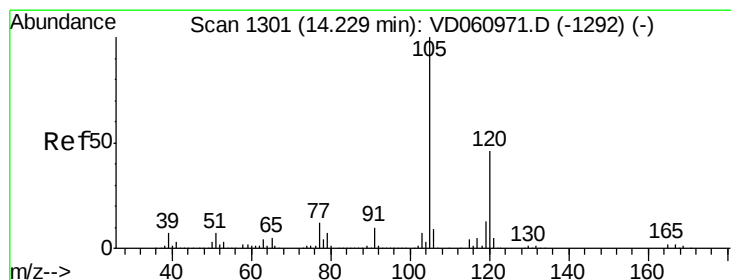
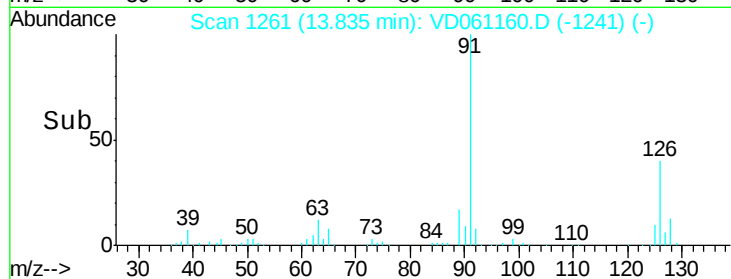
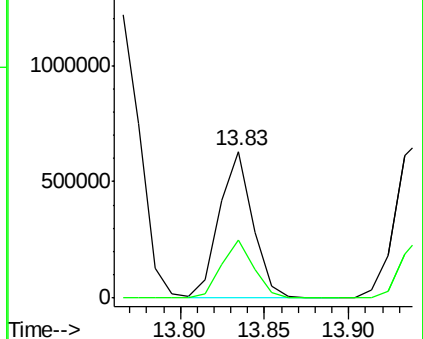
91 100

126 40.0 18.6 55.6



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

Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.617 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061160.D

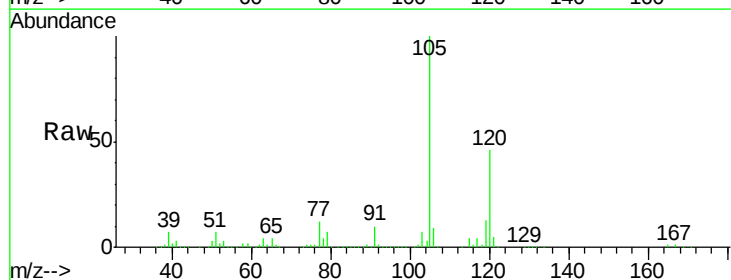
Acq: 18 Mar 2019 23:27

Tgt Ion:105 Resp: 1038719

Ion Ratio Lower Upper

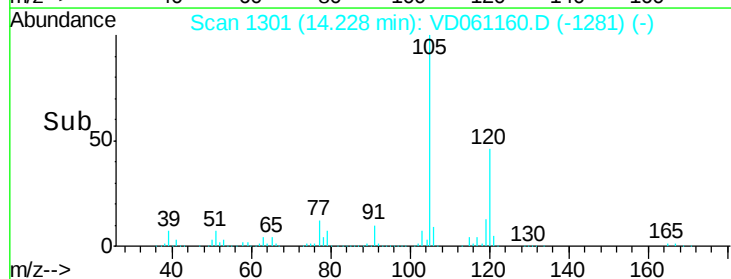
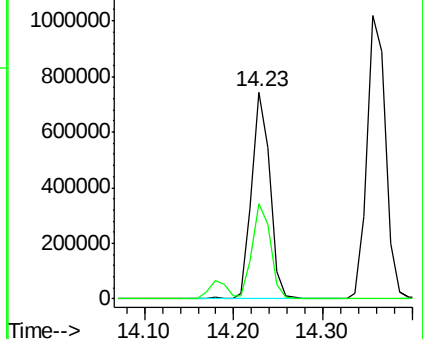
105 100

120 45.9 22.9 68.5



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

Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.504 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampled :

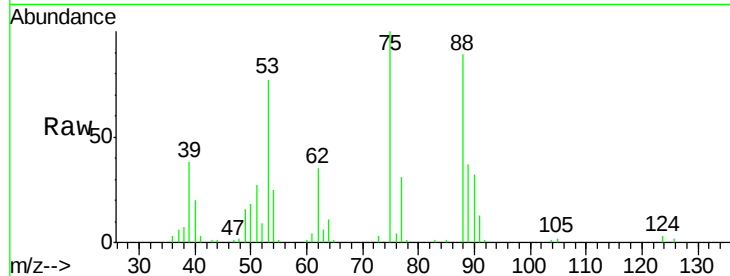
Tot Ion: 75 Resp: 86711

Ion Ratio Lower Upper

75 100

53 77.3 64.4 96.6

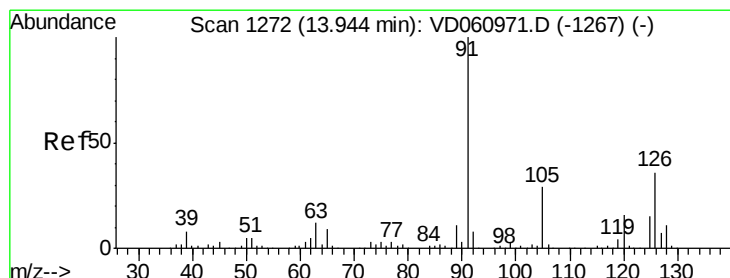
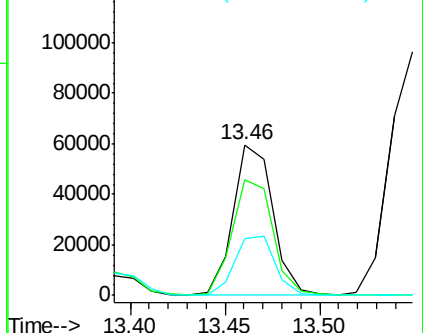
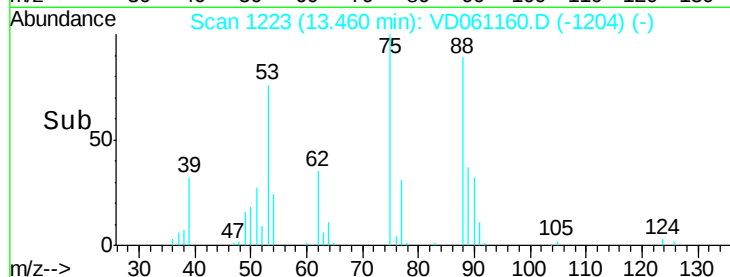
89 37.4 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.020 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061160.D

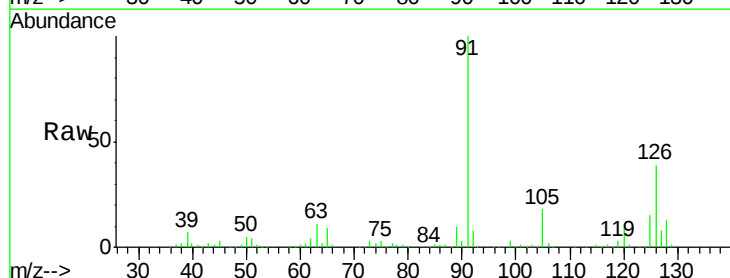
Acq: 18 Mar 2019 23:27

Tgt Ion: 91 Resp: 1050819

Ion Ratio Lower Upper

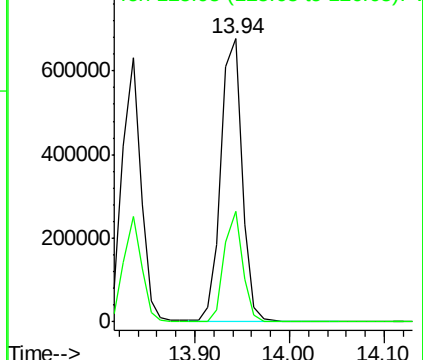
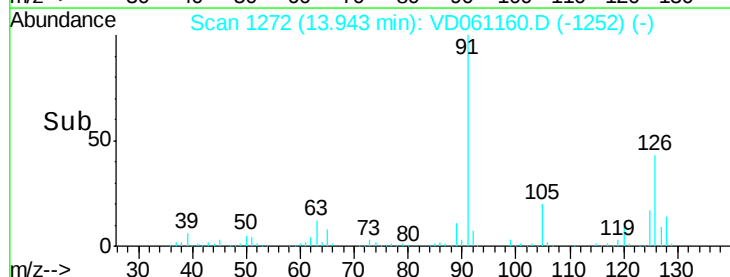
91 100

126 38.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

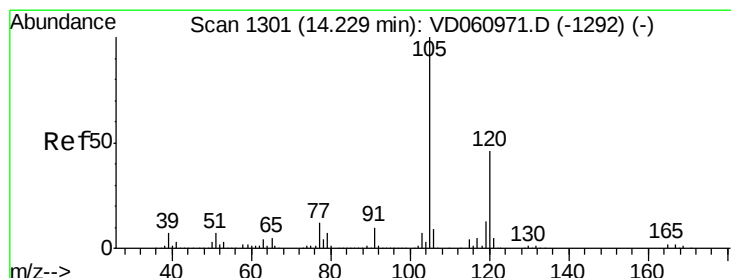
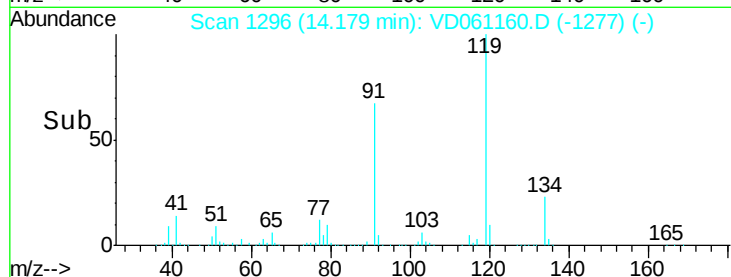
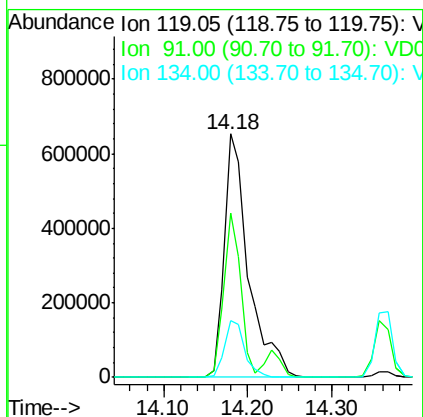
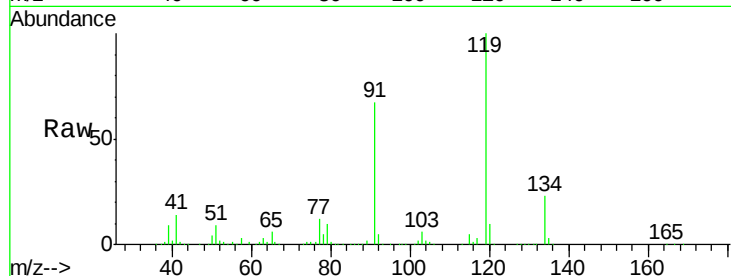




#83
 tert-Butylbenzene
 Concen: 58.281 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

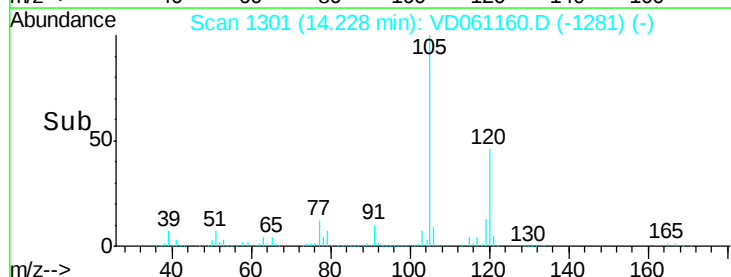
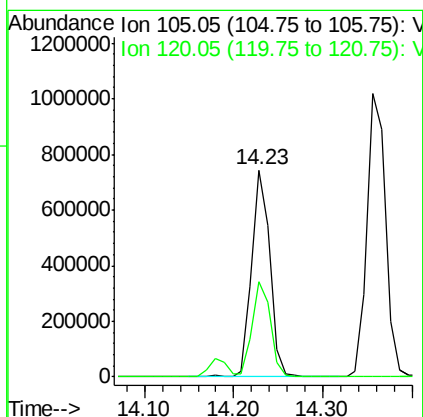
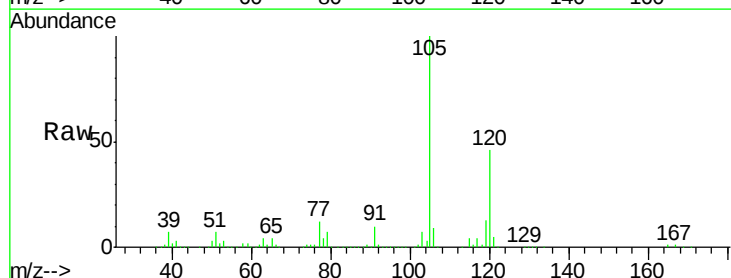
Instrument :
 MSVOA_D
 ClientSampled :

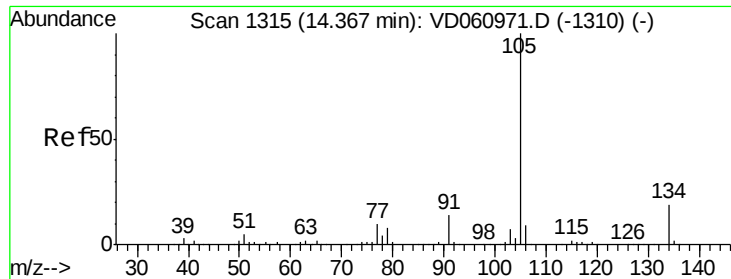
Tot Ion:119 Resp: 1308859
 Ion Ratio Lower Upper
 119 100
 91 67.3 30.1 90.3
 134 23.3 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 50.617 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion:105 Resp: 1038719
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.5





#85

sec-Butylbenzene

Concen: 52.943 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

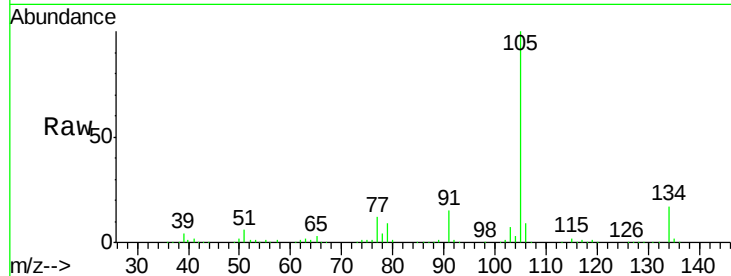
ClientSampled :

Tot Ion:105 Resp: 1451538

Ion Ratio Lower Upper

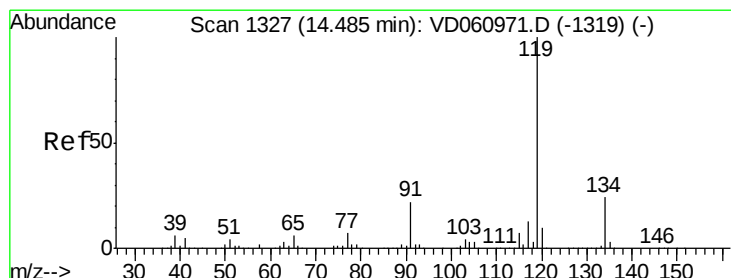
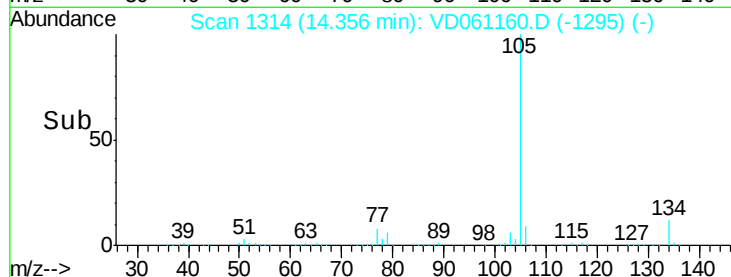
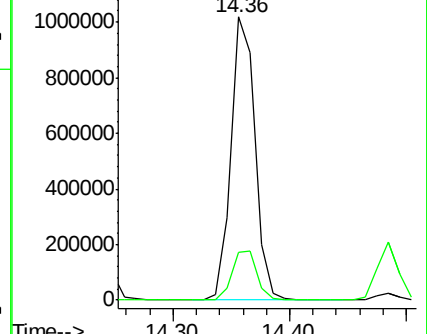
105 100

134 16.9 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: 47.986 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

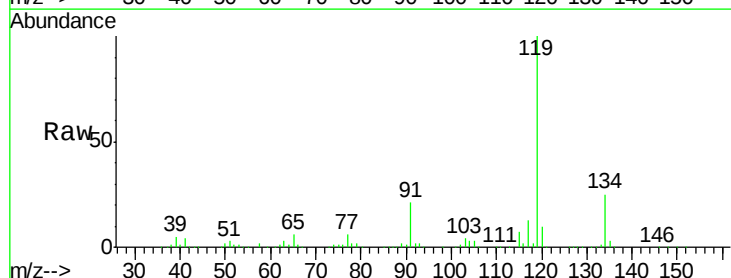
Tgt Ion:119 Resp: 1075379

Ion Ratio Lower Upper

119 100

134 24.7 12.0 36.1

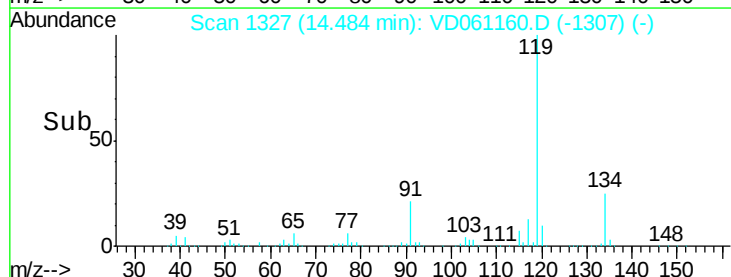
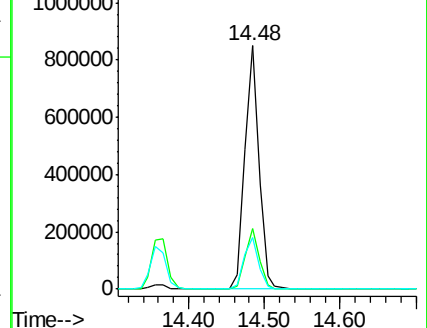
91 21.1 11.2 33.6



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

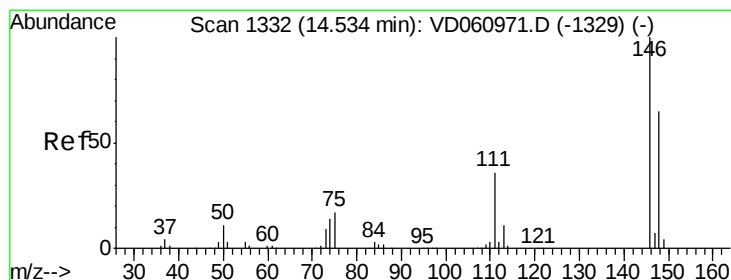
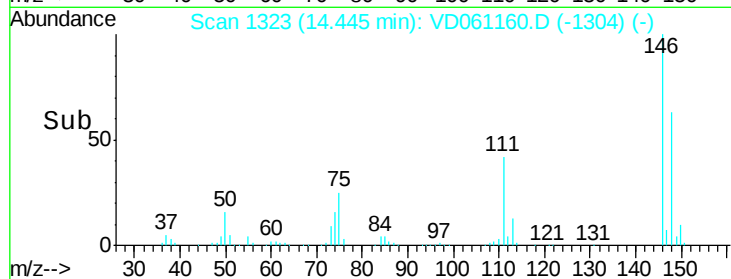
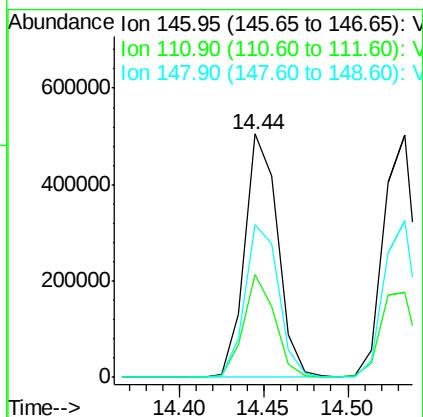
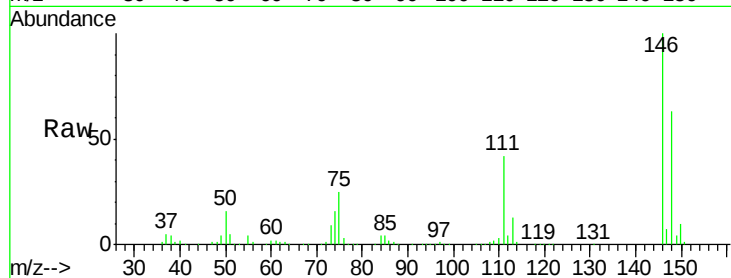




#87
 1,3-Dichlorobenzene
 Concen: 56.041 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

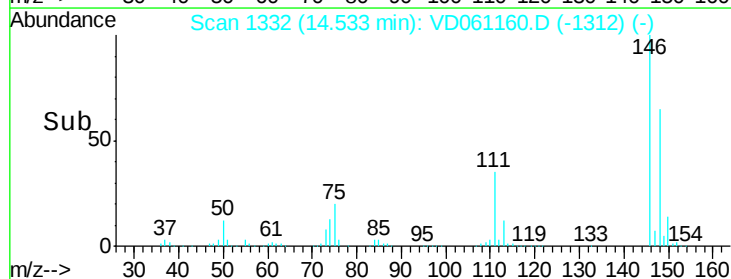
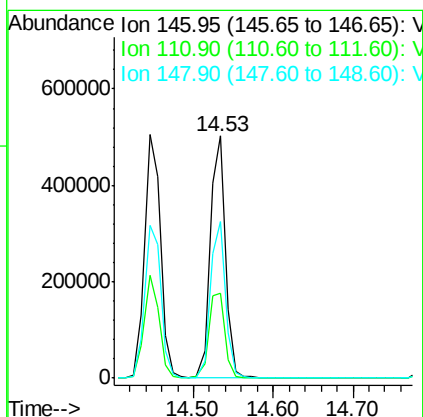
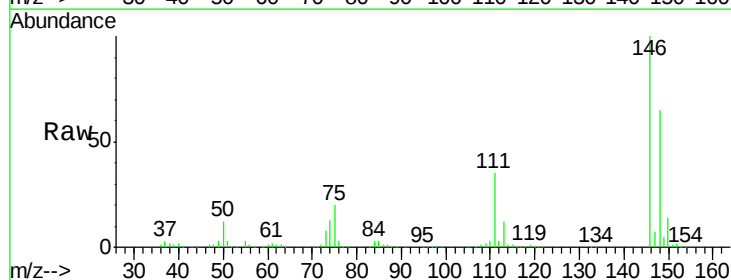
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 690507
 Ion Ratio Lower Upper
 146 100
 111 42.2 18.4 55.4
 148 62.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 55.218 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion:146 Resp: 668582
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.4 55.2
 148 64.9 32.5 97.5





#89

n-Butylbenzene

Concen: 47.232 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

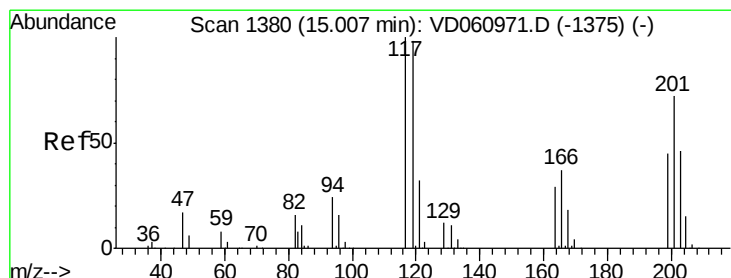
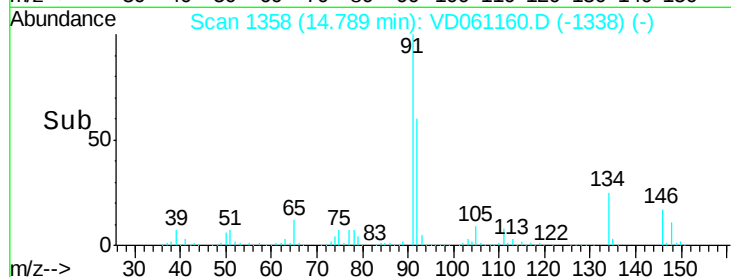
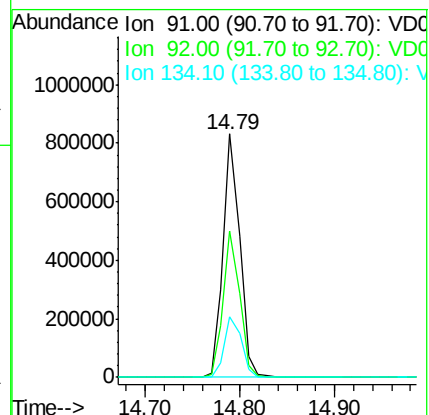
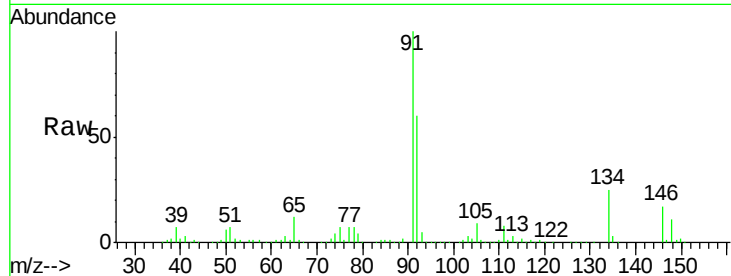
Tot Ion: 91 Resp: 1016477

Ion Ratio Lower Upper

91 100

92 60.0 30.6 91.8

134 24.9 11.0 33.0



#90

Hexachloroethane

Concen: 53.764 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061160.D

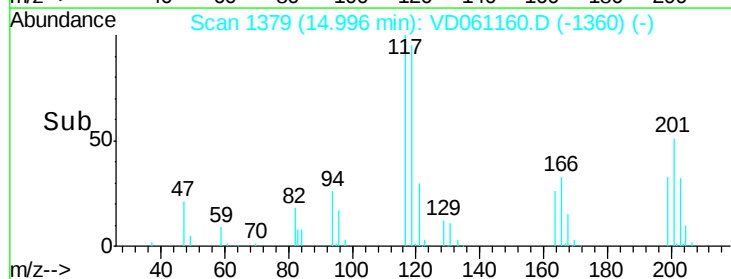
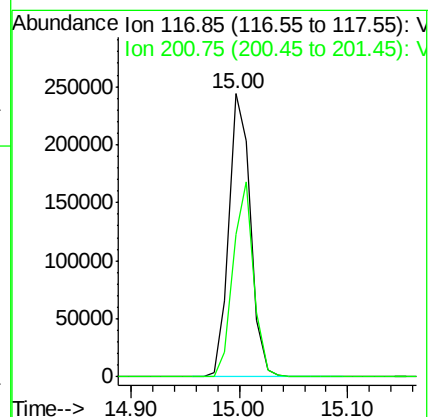
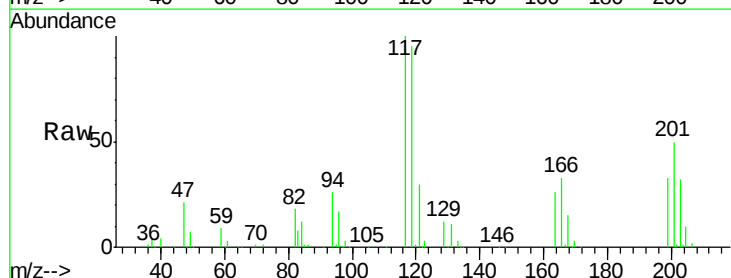
Acq: 18 Mar 2019 23:27

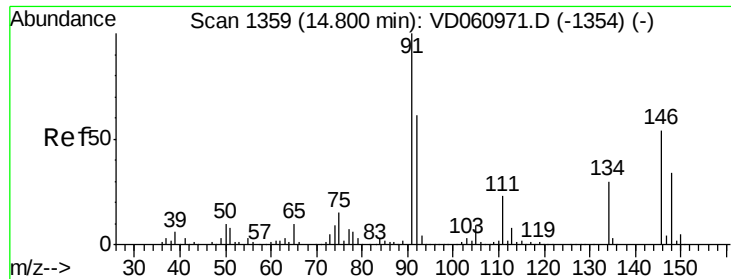
Tgt Ion: 117 Resp: 340226

Ion Ratio Lower Upper

117 100

201 50.4 36.2 108.6

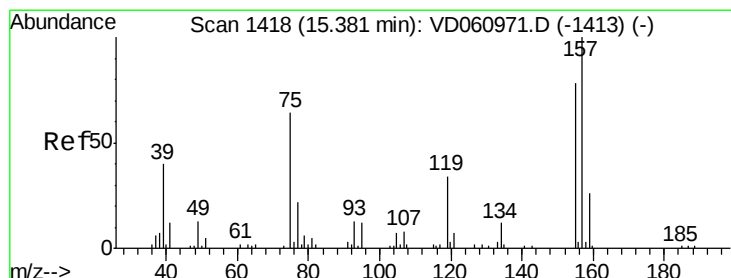
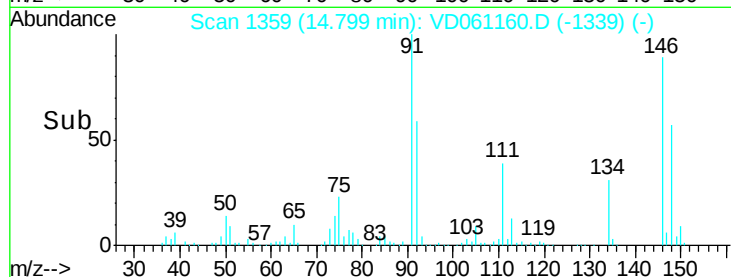
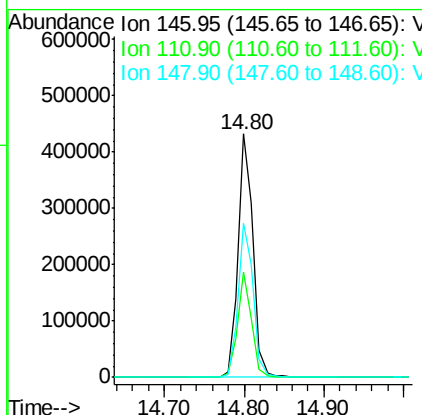
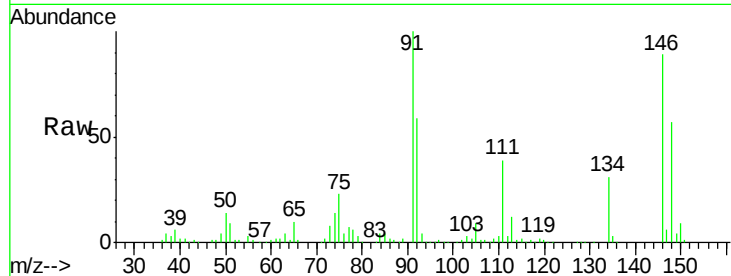




#91
 1,2-Dichlorobenzene
 Concen: 54.901 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

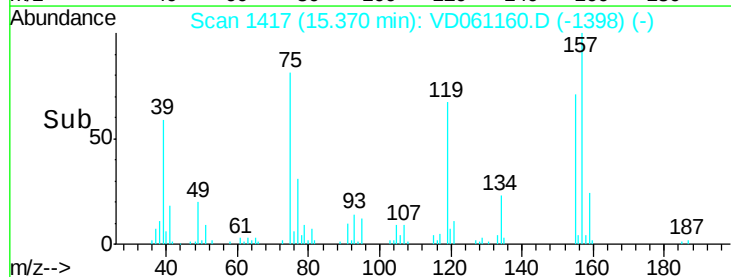
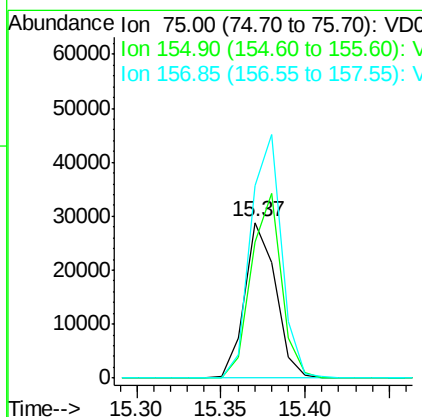
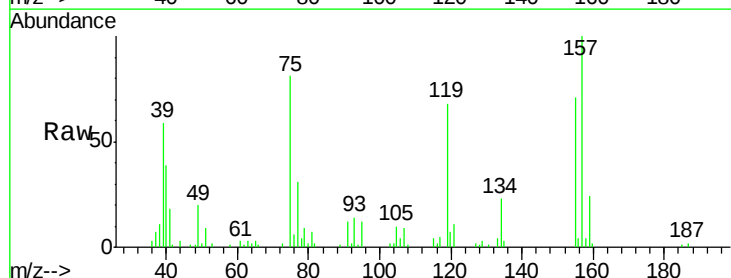
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 563936
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.5 64.5
 148 63.5 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.208 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion: 75 Resp: 36993
 Ion Ratio Lower Upper
 75 100
 155 87.4 61.2 183.5
 157 123.8 78.3 234.8

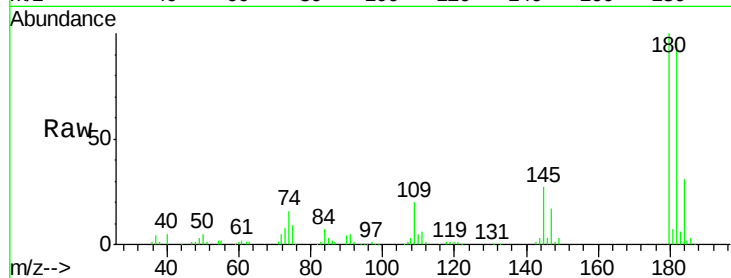




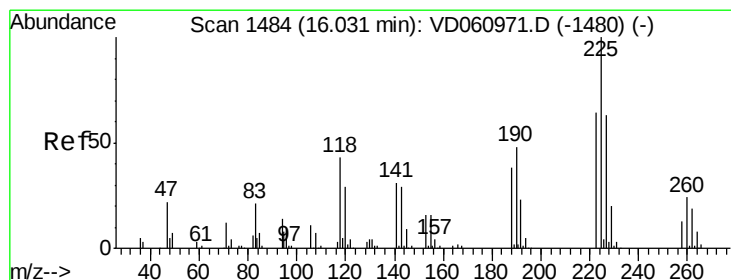
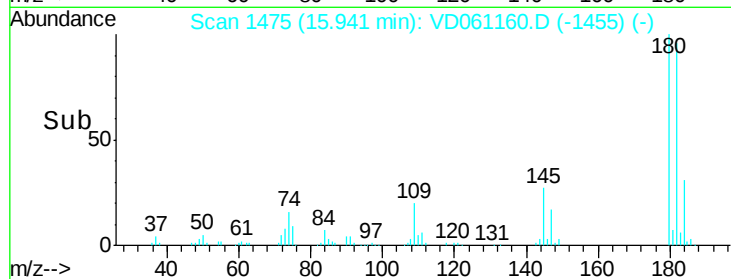
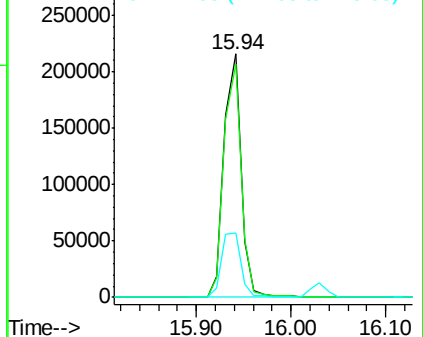
#93
 1,2,4-Trichlorobenzene
 Concen: 57.205 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 272588
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.3 142.0
 145 26.6 14.4 43.0

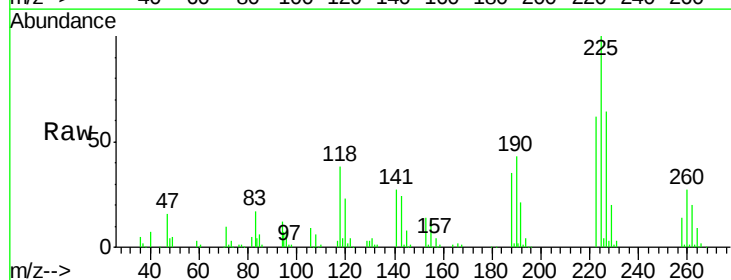


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

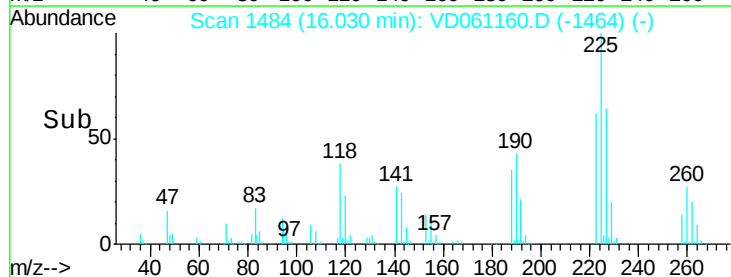
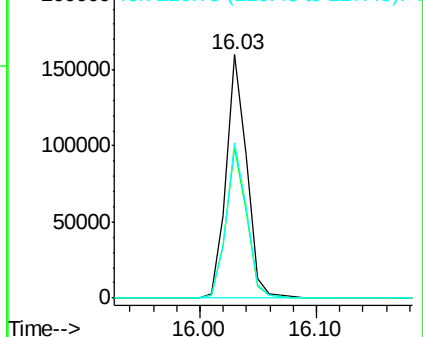


#94
 Hexachlorobutadiene
 Concen: 54.484 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion:225 Resp: 196374
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.3
 227 63.8 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

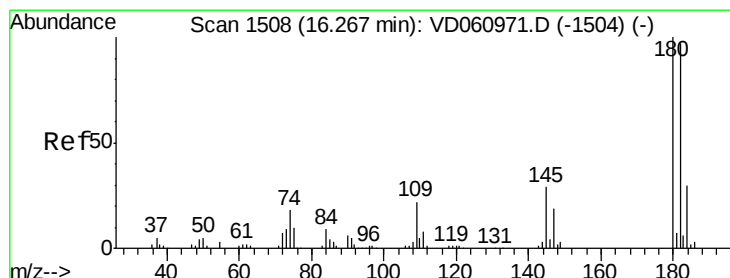
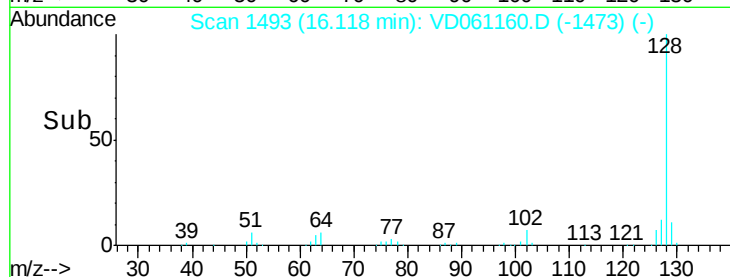
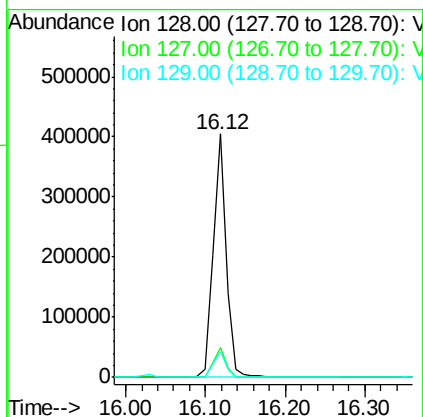
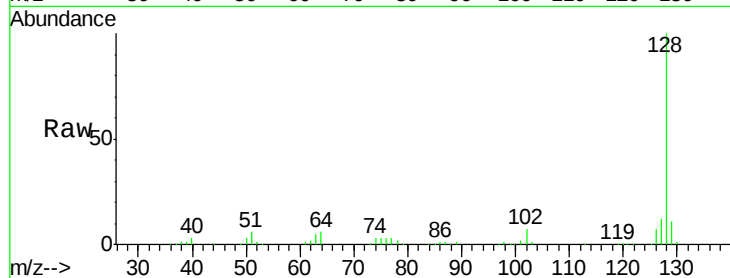




#95
Naphthalene
Concen: 64.579 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 467628
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 61.982 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion:180 Resp: 145874
Ion Ratio Lower Upper
180 100
182 94.2 48.6 145.8
145 30.2 14.3 42.9

