

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061594.D
 Acq On : 4 Apr 2019 22:18
 Operator : VA/AP
 Sample : VD0404SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:41:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	453762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	724979	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	625019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	325905	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	257632	66.46	ug/l	0.00
Spiked Amount			Recovery	=	132.92%	
35) Dibromofluoromethane	6.89	113	351703	63.48	ug/l	0.00
Spiked Amount			Recovery	=	126.96%	
50) Toluene-d8	10.38	98	878275	66.10	ug/l	0.00
Spiked Amount			Recovery	=	132.20%	
62) 4-Bromofluorobenzene	13.54	95	363711	71.38	ug/l	0.00
Spiked Amount			Recovery	=	142.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	111640	23.038	ug/l	97
3) Chloromethane	1.75	50	87719	22.195	ug/l	100
4) Vinyl Chloride	1.84	62	79970	22.038	ug/l	96
5) Bromomethane	2.14	94	16468	22.886	ug/l #	91
6) Chloroethane	2.25	64	24539	23.060	ug/l	93
7) Trichlorofluoromethane	2.51	101	131269	24.877	ug/l	99
8) Diethyl Ether	2.86	74	36671	21.585	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.13	101	125882	22.190	ug/l	93
10) Methyl Iodide	3.29	142	150310	19.687	ug/l	99
11) Tert butyl alcohol	4.05	59	34695	143.725	ug/l #	93
12) 1,1-Dichloroethene	3.10	96	108596	22.297	ug/l	97
13) Acrolein	3.02	56	17325	78.475	ug/l	97
14) Allyl chloride	3.60	41	148017	21.789	ug/l	96
15) Acrylonitrile	4.17	53	104724	124.992	ug/l	91
16) Acetone	3.20	43	116298	116.713	ug/l	94
17) Carbon Disulfide	3.36	76	309284	19.545	ug/l	97
18) Methyl Acetate	3.62	43	54984	26.244	ug/l	96
19) Methyl tert-butyl Ether	4.21	73	217213	25.764	ug/l	98
20) Methylene Chloride	3.79	84	166741	29.067	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	116456	22.147	ug/l	94
22) Diisopropyl ether	5.08	45	343321	23.882	ug/l	99
23) Vinyl Acetate	5.02	43	973234	124.634	ug/l	97
24) 1,1-Dichloroethane	4.96	63	202442	23.962	ug/l	99
25) 2-Butanone	6.04	43	160146	127.765	ug/l	100
26) 2,2-Dichloropropane	5.99	77	160078	23.835	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	139080	24.140	ug/l	94
28) Bromochloromethane	6.41	49	83576	24.507	ug/l #	91
29) Tetrahydrofuran	6.42	42	84160	138.527	ug/l	99
30) Chloroform	6.64	83	223554	25.609	ug/l	96
31) Cyclohexane	6.92	56	142127	21.289	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	189971	24.667	ug/l	96
36) 1,1-Dichloropropene	7.12	75	159752	25.248	ug/l	97
37) Ethyl Acetate	6.15	43	78205	28.900	ug/l	95
38) Carbon Tetrachloride	7.08	117	196799	27.067	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	162516	24.661	ug/l	97
40) Benzene	7.43	78	391473	24.652	ug/l	96
41) Methacrylonitrile	6.41	41	97016	30.662	ug/l	99
42) 1,2-Dichloroethane	7.54	62	139934	29.459	ug/l	95
43) Isopropyl Acetate	9.21	43	110796	28.140	ug/l	98
44) Trichloroethene	8.52	130	139922	23.677	ug/l	91
45) 1,2-Dichloropropane	8.91	63	102783	25.525	ug/l	94
46) Dibromomethane	9.03	93	75494	27.855	ug/l	90
47) Bromodichloromethane	9.35	83	169774	27.909	ug/l	97
48) Methyl methacrylate	9.09	41	62641	28.828	ug/l	94
49) 1,4-Dioxane	9.05	88	13032	543.736	ug/l #	89
51) 4-Methyl-2-Pentanone	10.27	43	345522	144.242	ug/l	95
52) Toluene	10.48	92	239068	24.677	ug/l	97
53) t-1,3-Dichloropropene	10.88	75	152668	27.623	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	164735	24.478	ug/l	97
55) 1,1,2-Trichloroethane	11.17	97	91568	27.026	ug/l	97
56) Ethyl methacrylate	11.02	69	100099	27.501	ug/l	95
57) 1,3-Dichloropropane	11.38	76	142524	28.620	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	225348	127.133	ug/l	98
59) 2-Hexanone	11.51	43	260919	150.337	ug/l	98
60) Dibromochloromethane	11.66	129	149257	28.576	ug/l	100
61) 1,2-Dibromoethane	11.78	107	116637	29.729	ug/l	96
64) Tetrachloroethene	11.23	164	119576	24.377	ug/l	97
65) Chlorobenzene	12.38	112	317363	24.846	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	136829	27.666	ug/l	98
67) Ethyl Benzene	12.51	91	539756	27.684	ug/l	98
68) m/p-Xylenes	12.64	106	380332	51.497	ug/l	92
69) o-Xylene	13.03	106	173875	24.261	ug/l	97
70) Styrene	13.06	104	313671	25.107	ug/l	97
71) Bromoform	13.21	173	82331	26.261	ug/l #	97
73) Isopropylbenzene	13.38	105	528232	23.288	ug/l	96
74) N-amyl acetate	13.25	43	139995	22.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	111921	23.390	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	115279	24.487	ug/l	100
77) Bromobenzene	13.66	156	140537	20.899	ug/l	85
78) n-propylbenzene	13.76	91	625255	22.525	ug/l	95
79) 2-Chlorotoluene	13.83	91	347839	23.078	ug/l	95
80) 1,3,5-Trimethylbenzene	13.91	105	446361	25.363	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	34259	23.867	ug/l	97
82) 4-Chlorotoluene	13.93	91	444485	27.122	ug/l	95
83) tert-Butylbenzene	14.18	119	508538	23.122	ug/l	92
84) 1,2,4-Trimethylbenzene	14.22	105	402713	21.136	ug/l	97
85) sec-Butylbenzene	14.36	105	481130	20.592	ug/l	96
86) p-Isopropyltoluene	14.47	119	481805	24.386	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	239757	21.055	ug/l	93
88) 1,4-Dichlorobenzene	14.52	146	251860	22.680	ug/l	99
89) n-Butylbenzene	14.78	91	354775	19.564	ug/l	96
90) Hexachloroethane	15.00	117	108416	19.423	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	199553	21.365	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	14774	26.326	ug/l	71

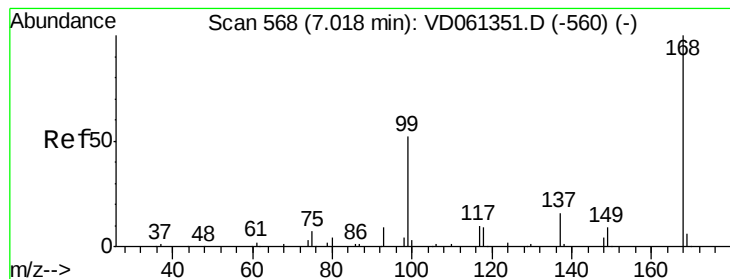
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	102155	24.009	ug/l	97
94) Hexachlorobutadiene	16.02	225	85018	25.571	ug/l	95
95) Naphthalene	16.11	128	190856	29.428	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	60145	32.123	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

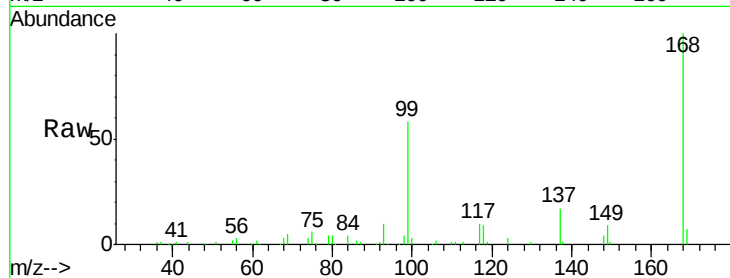
ClientSampleId :

Tot Ion:168 Resp: 453762

Ion Ratio Lower Upper

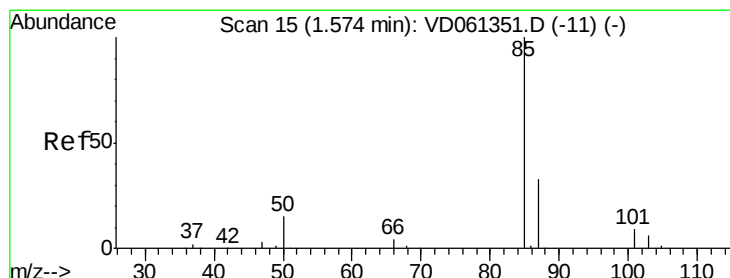
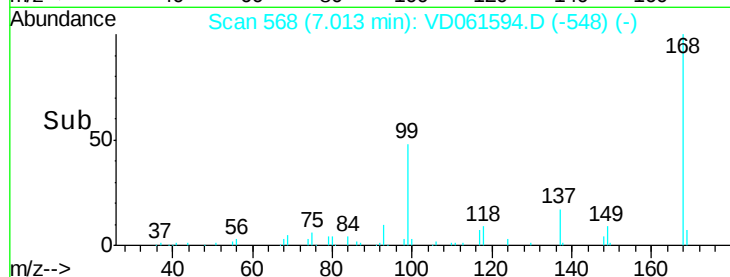
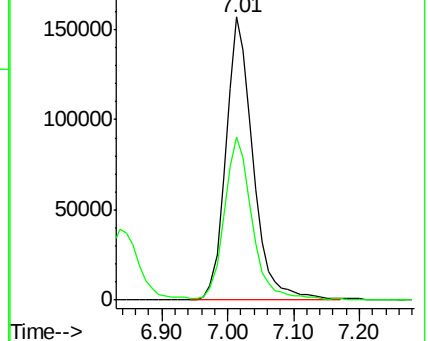
168 100

99 57.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.038 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061594.D

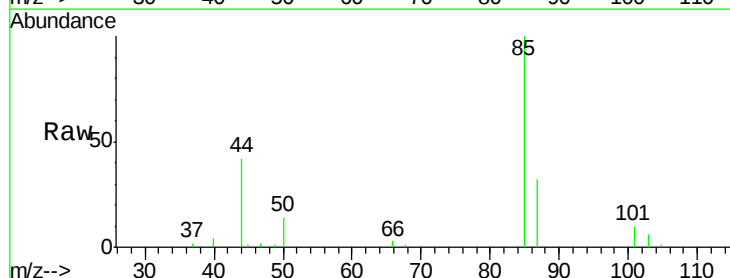
Acq: 4 Apr 2019 22:18

Tgt Ion: 85 Resp: 111640

Ion Ratio Lower Upper

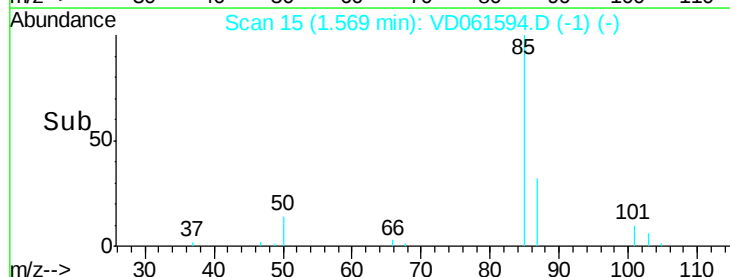
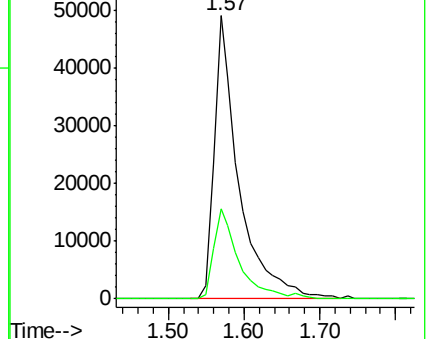
85 100

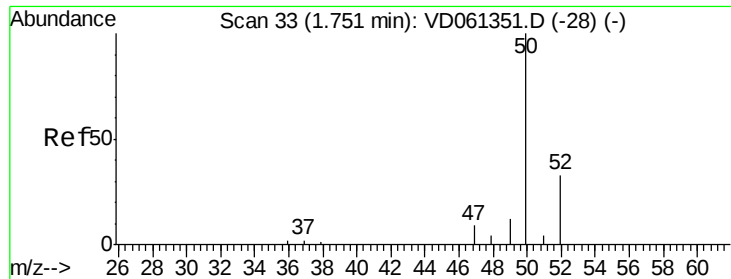
87 31.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

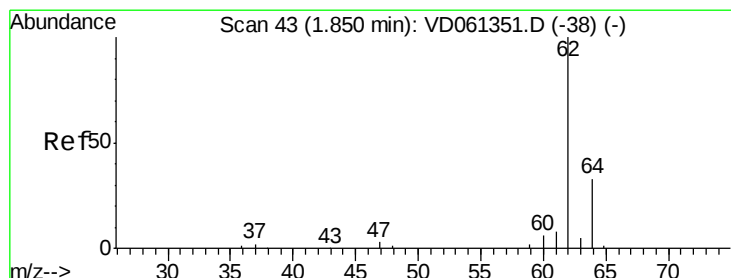
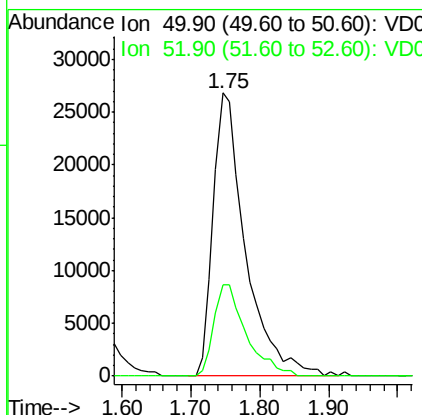
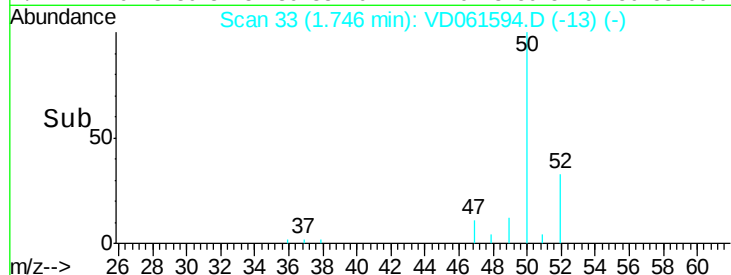
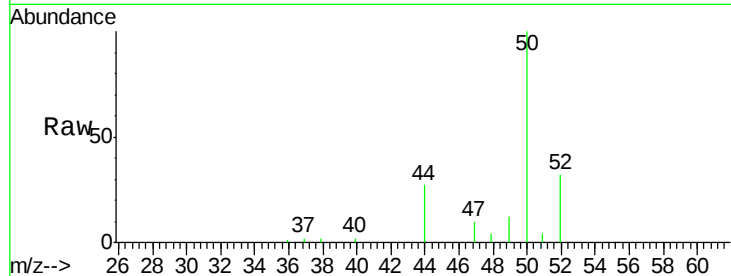




#3
 Chloromethane
 Concen: 22.195 ug/l
 RT: 1.75 min Scan# 33
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

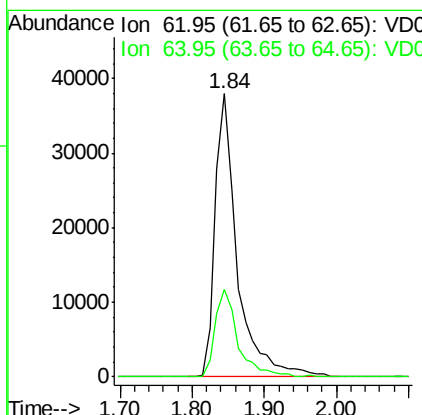
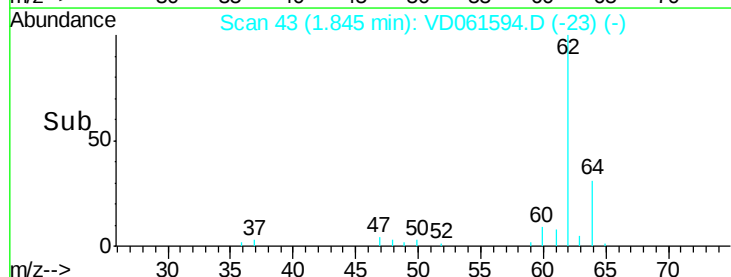
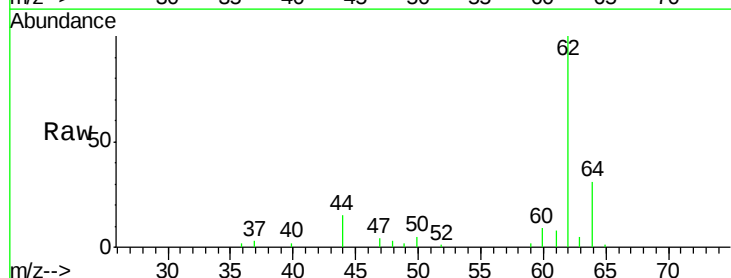
Instrument :
 MSVOA_D
 ClientSampled :

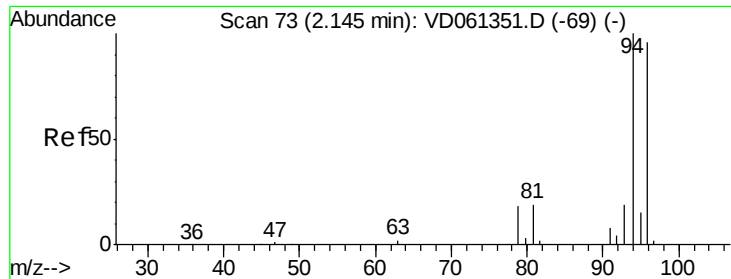
Tot Ion: 50 Resp: 87719
 Ion Ratio Lower Upper
 50 100
 52 32.5 26.1 39.1



#4
 Vinyl Chloride
 Concen: 22.038 ug/l
 RT: 1.84 min Scan# 43
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion: 62 Resp: 79970
 Ion Ratio Lower Upper
 62 100
 64 31.0 26.6 39.8





#5

Bromomethane

Concen: 22.886 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

ClientSampleId :

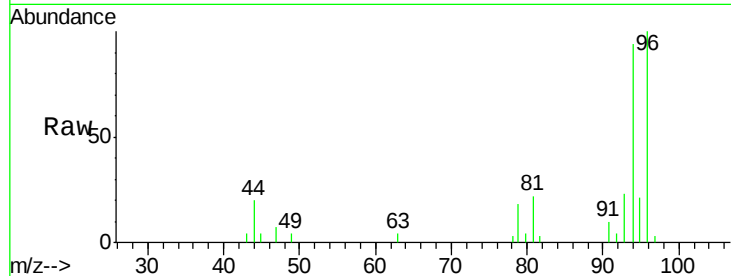
Tot Ion: 94 Resp: 16468

Ion Ratio Lower Upper

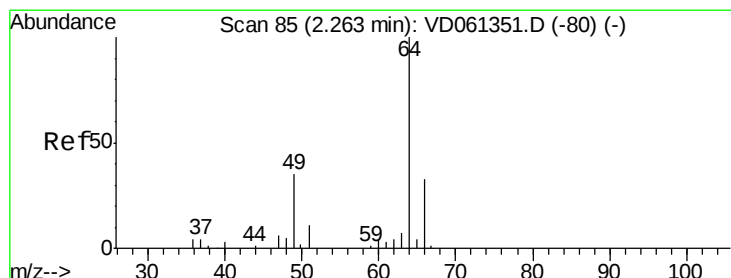
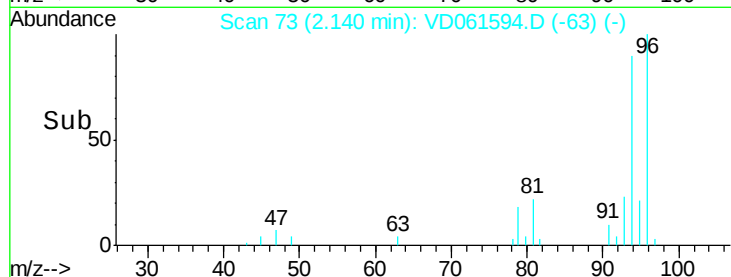
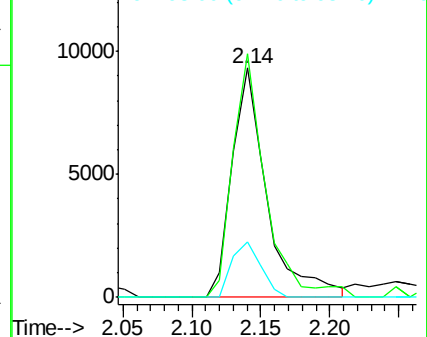
94 100

96 106.3 78.3 117.5

93 24.2 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 23.060 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061594.D

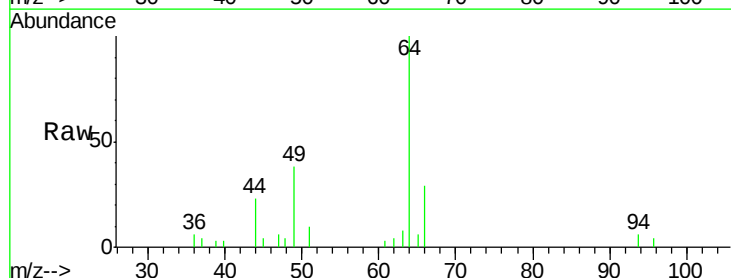
Acq: 4 Apr 2019 22:18

Tgt Ion: 64 Resp: 24539

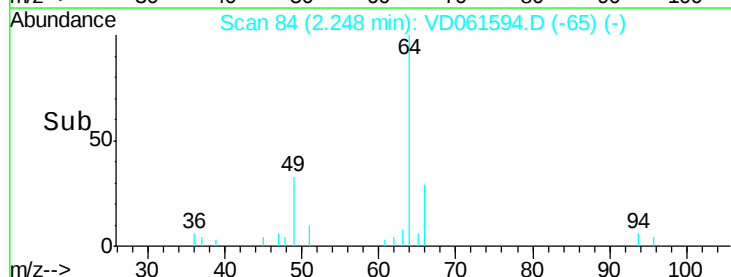
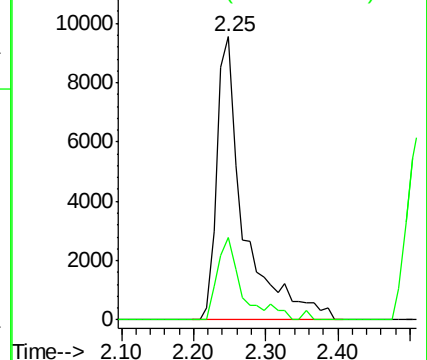
Ion Ratio Lower Upper

64 100

66 29.0 26.2 39.2



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



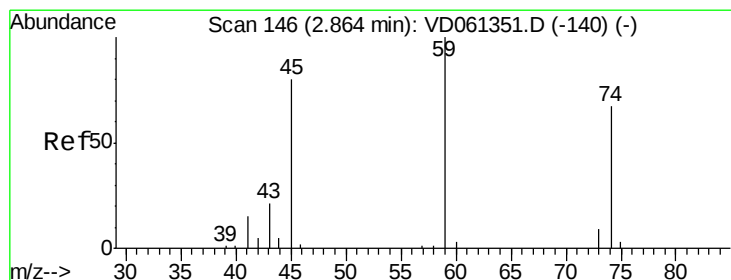
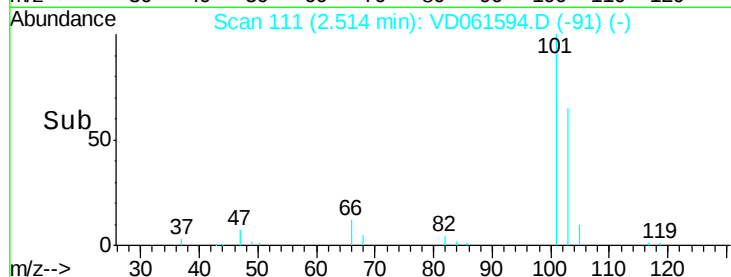
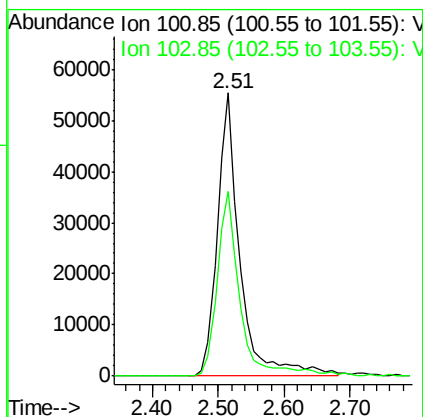
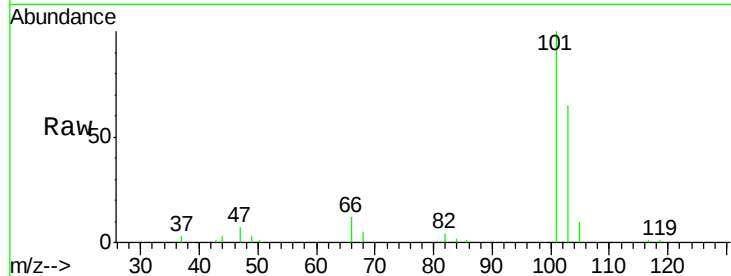


#7

Trichlorofluoromethane
 Concen: 24.877 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Instrument :
 MSVOA_D
 ClientSampleId :

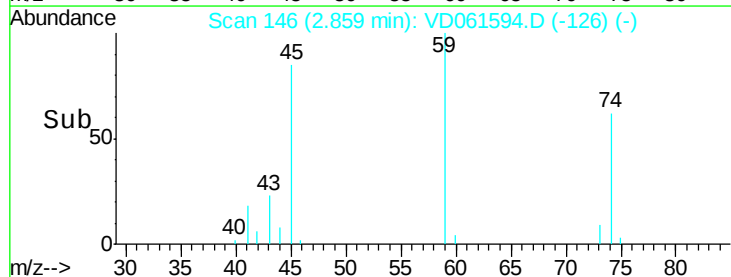
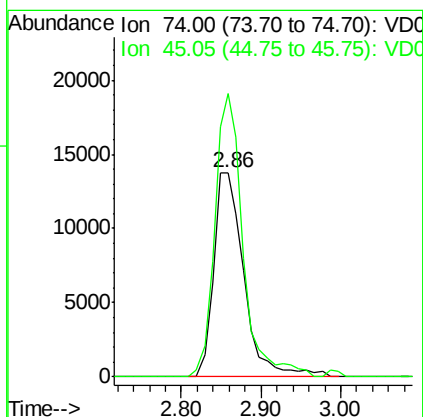
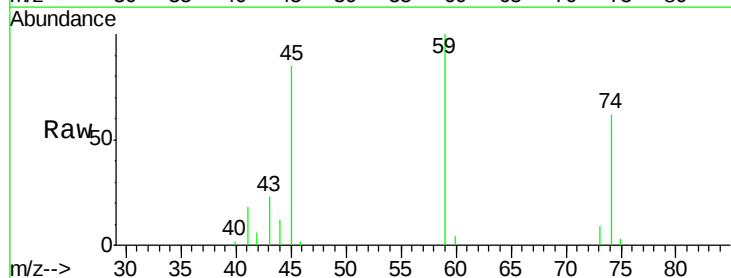
Tot Ion:101 Resp: 131269
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.1 79.7



#8

Diethyl Ether
 Concen: 21.585 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion: 74 Resp: 36671
 Ion Ratio Lower Upper
 74 100
 45 138.6 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.190 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

ClientSampleId :

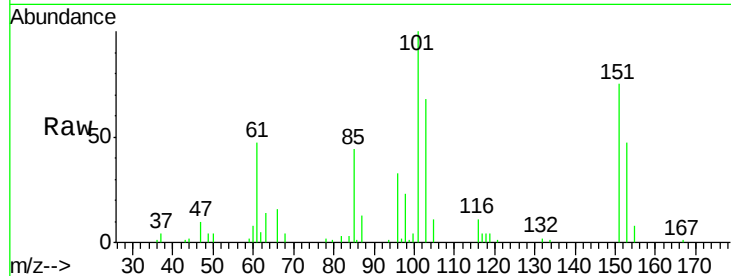
Tot Ion:101 Resp: 125882

Ion Ratio Lower Upper

101 100

85 43.5 29.4 44.0

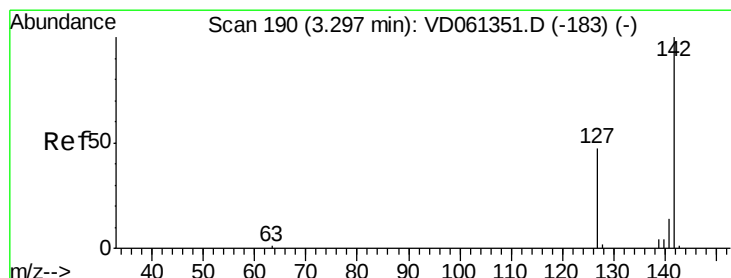
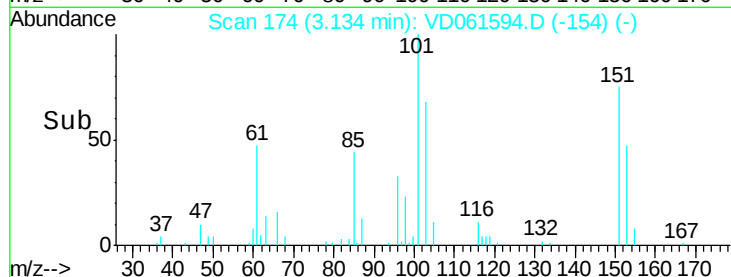
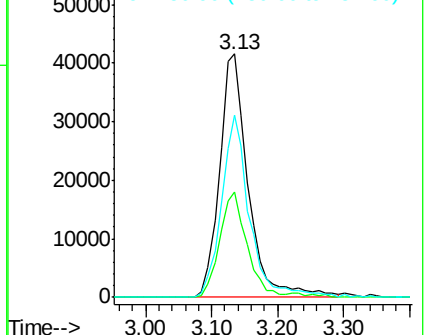
151 74.6 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.687 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

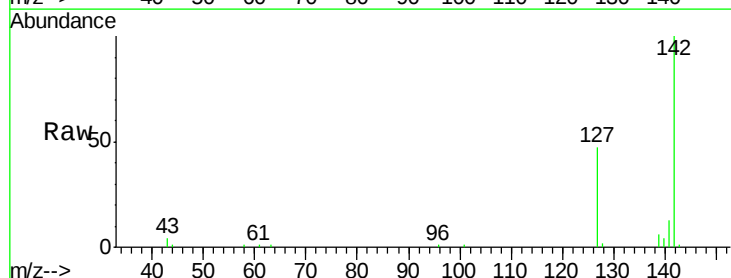
Tgt Ion:142 Resp: 150310

Ion Ratio Lower Upper

142 100

127 47.3 37.7 56.5

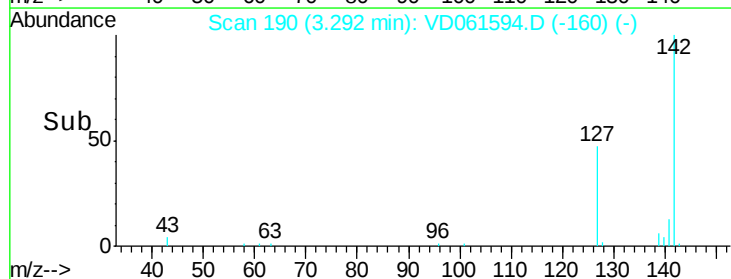
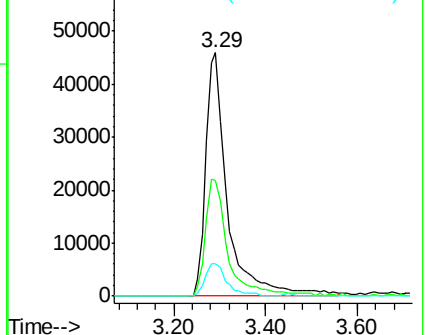
141 13.2 11.5 17.3

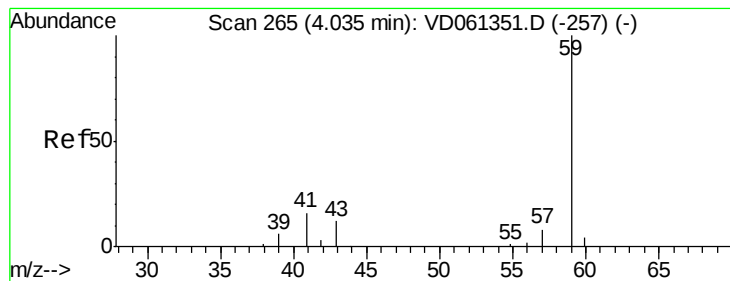


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



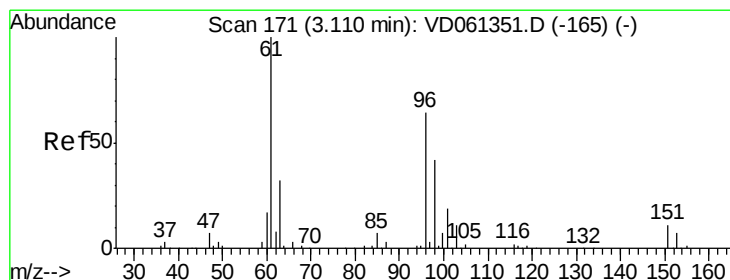
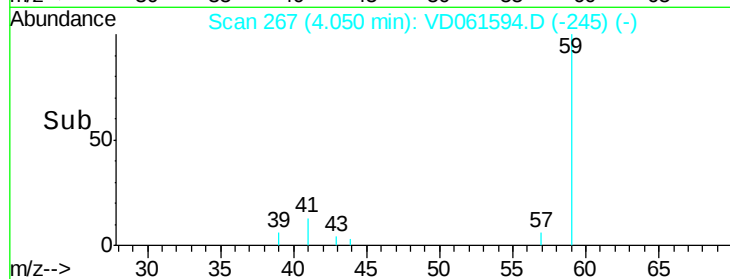
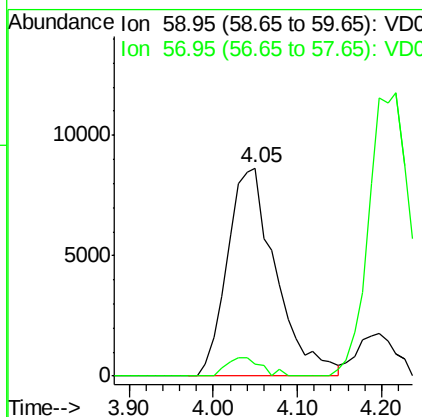
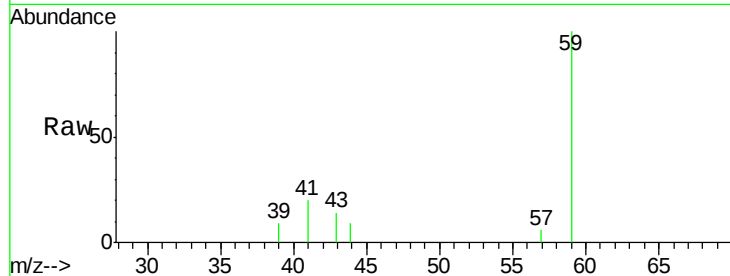


#11

Tert butyl alcohol
 Concen: 143.725 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Instrument :
 MSVOA_D
 ClientSampleId :

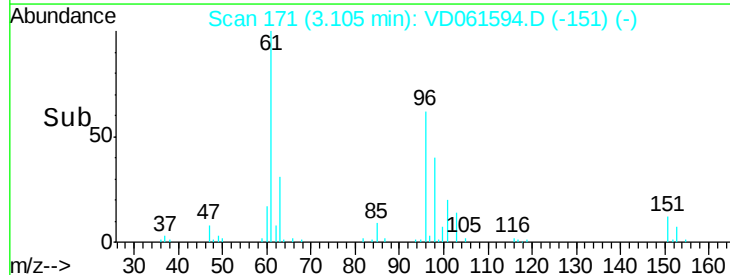
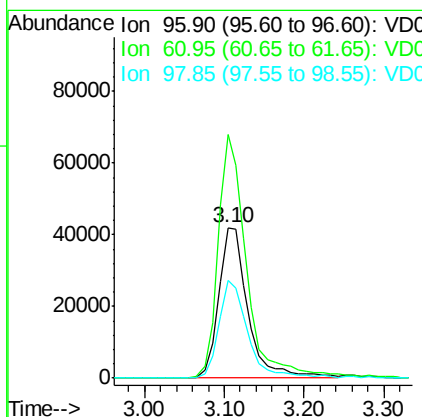
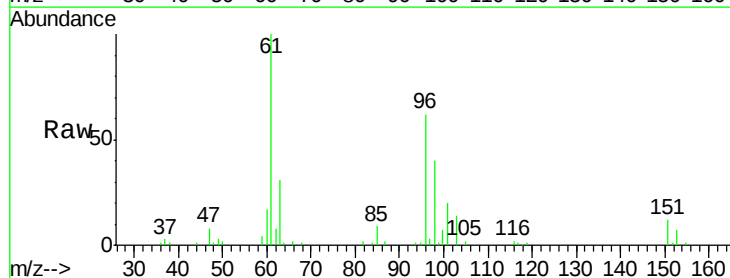
Tot Ion: 59 Resp: 34695
 Ion Ratio Lower Upper
 59 100
 57 5.8 6.7 10.1#

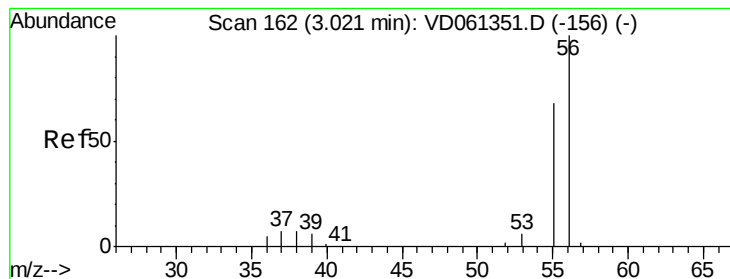


#12

1,1-Dichloroethene
 Concen: 22.297 ug/l
 RT: 3.10 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion: 96 Resp: 108596
 Ion Ratio Lower Upper
 96 100
 61 161.7 124.9 187.3
 98 65.1 52.5 78.7





#13

Acrolein

Concen: 78.475 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

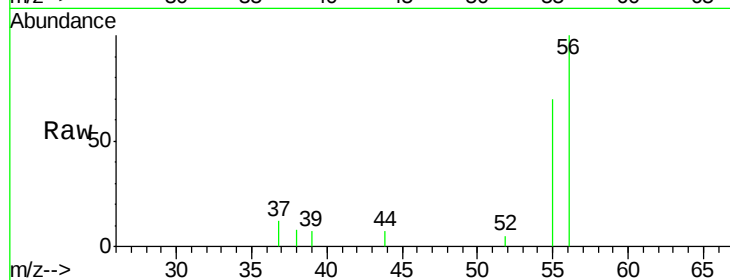
ClientSampleId :

Tot Ion: 56 Resp: 17325

Ion Ratio Lower Upper

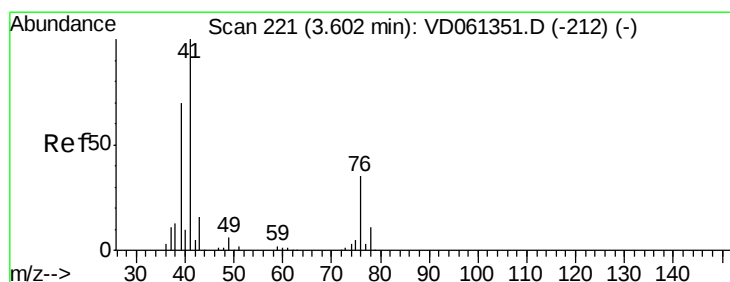
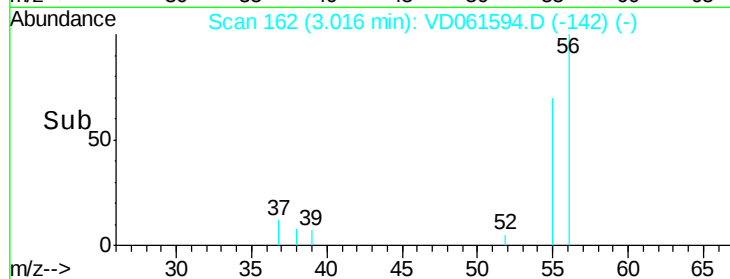
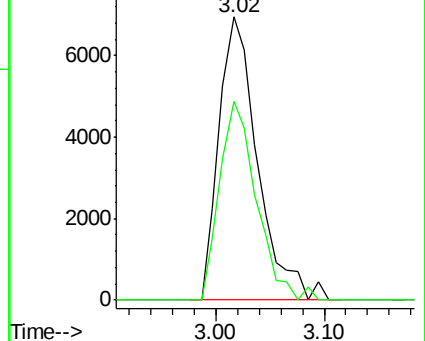
56 100

55 70.4 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.789 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

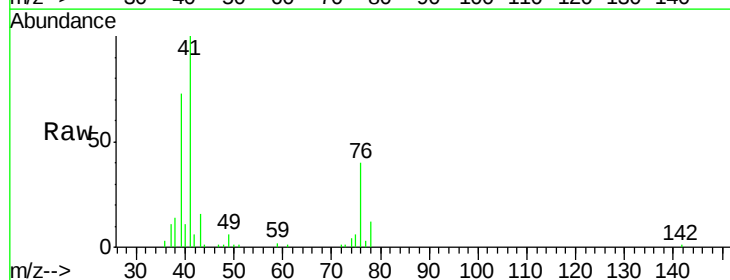
Tgt Ion: 41 Resp: 148017

Ion Ratio Lower Upper

41 100

39 73.3 55.6 83.4

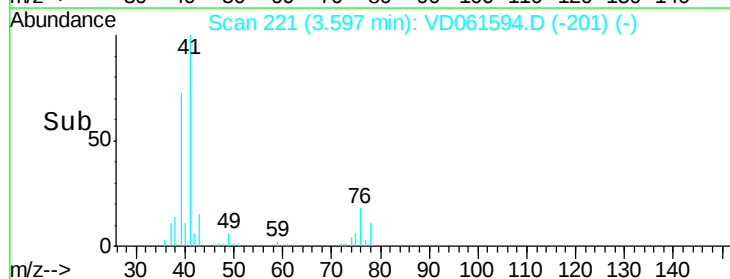
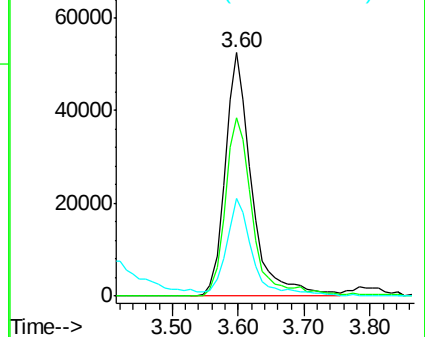
76 40.2 31.0 46.6

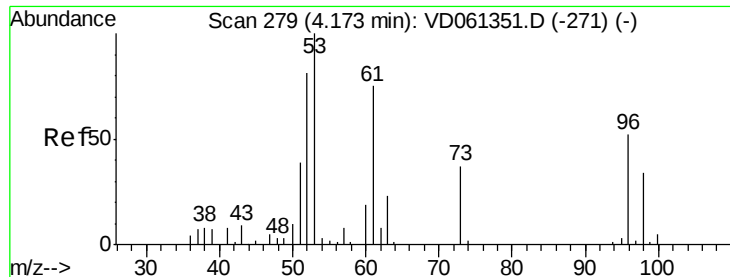


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 124.992 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

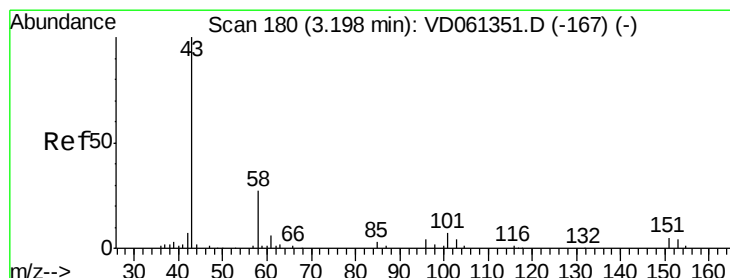
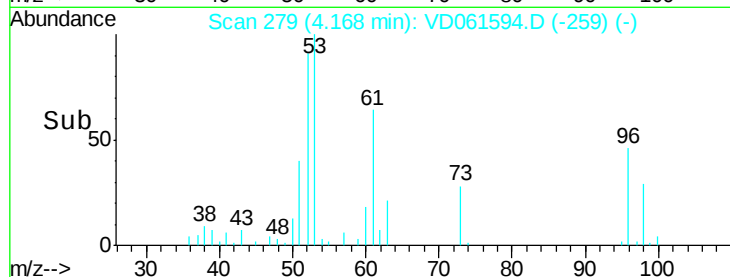
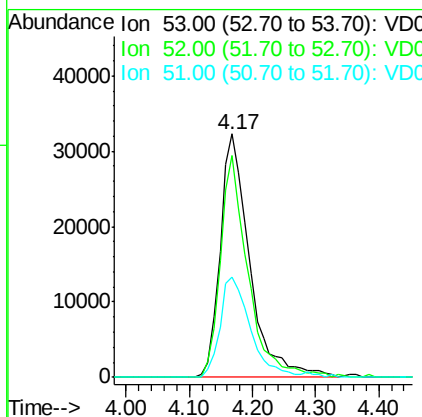
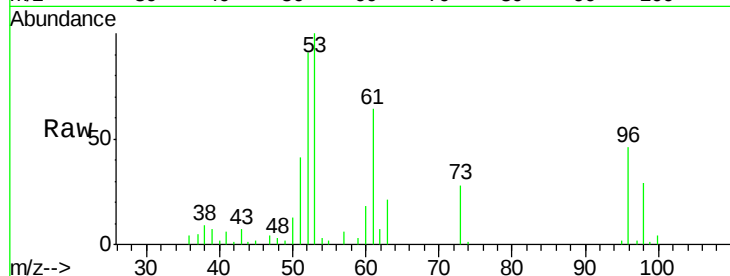
Tot Ion: 53 Resp: 104724

Ion Ratio Lower Upper

53 100

52 91.3 64.8 97.2

51 41.4 31.4 47.2



#16

Acetone

Concen: 116.713 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD061594.D

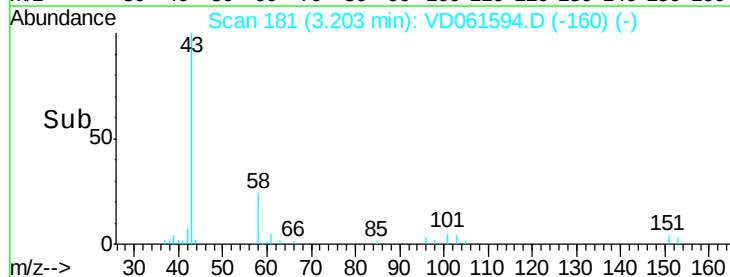
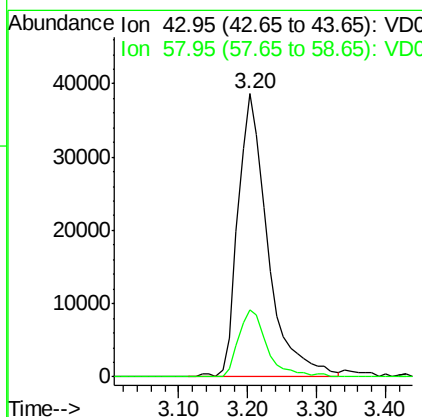
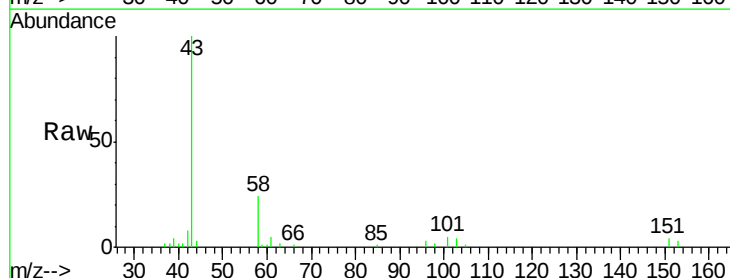
Acq: 4 Apr 2019 22:18

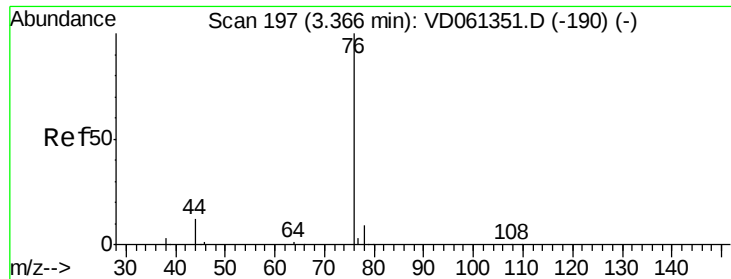
Tgt Ion: 43 Resp: 116298

Ion Ratio Lower Upper

43 100

58 23.8 21.5 32.3





#17

Carbon Disulfide

Concen: 19.545 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

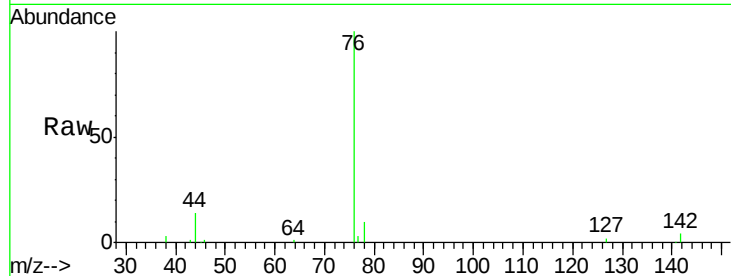
ClientSampleId :

Tot Ion: 76 Resp: 309284

Ion Ratio Lower Upper

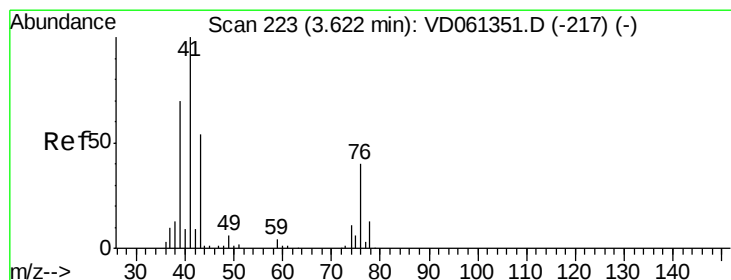
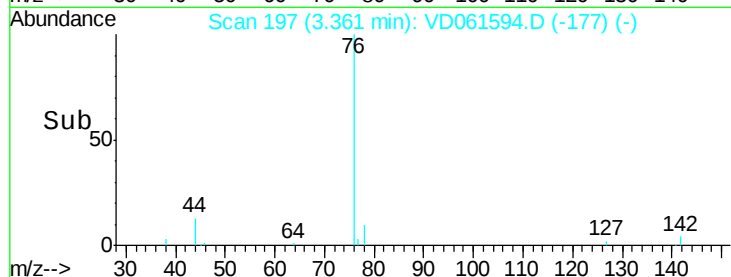
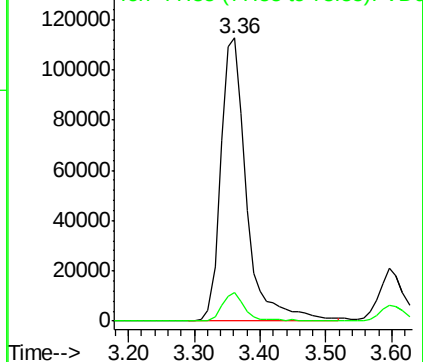
76 100

78 10.1 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 26.244 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061594.D

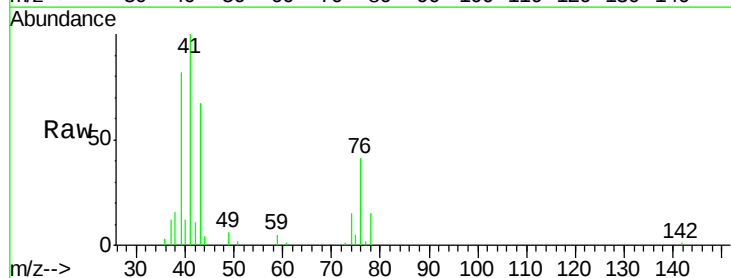
Acq: 4 Apr 2019 22:18

Tgt Ion: 43 Resp: 54984

Ion Ratio Lower Upper

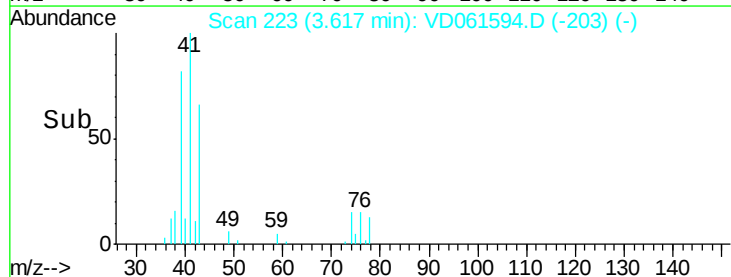
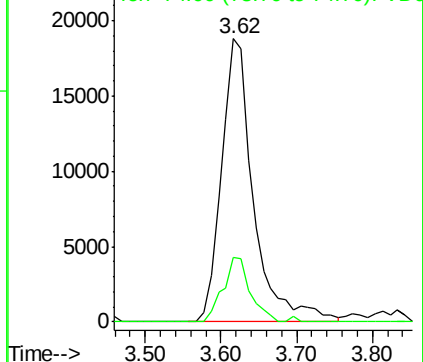
43 100

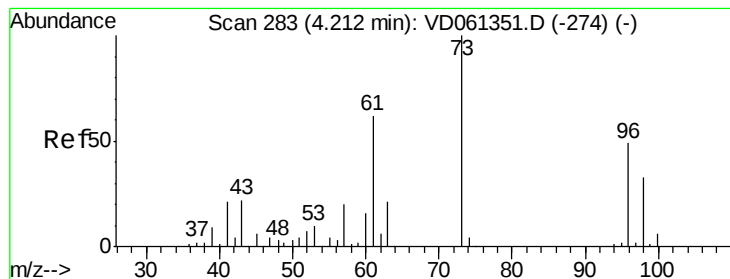
74 22.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



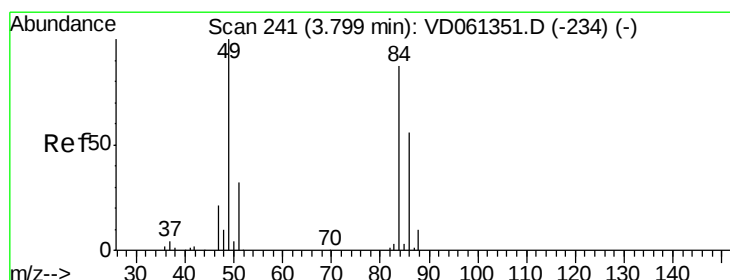
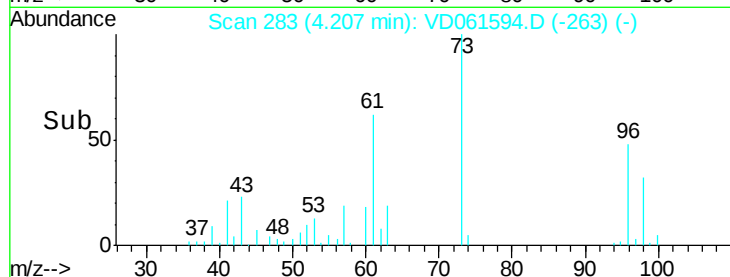
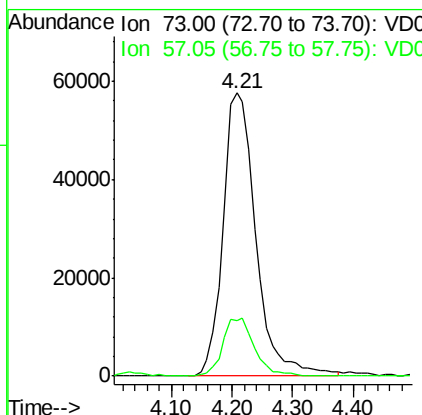
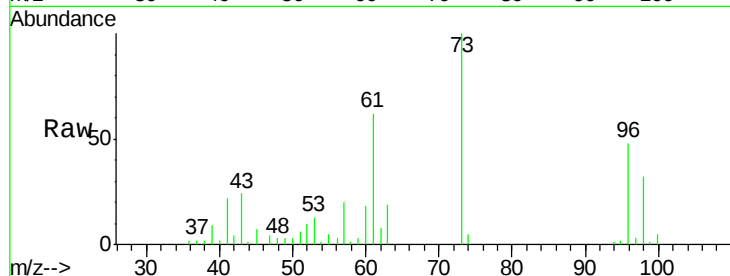


#19

Methyl tert-butyl Ether
 Concen: 25.764 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Instrument :
 MSVOA_D
 ClientSampled :

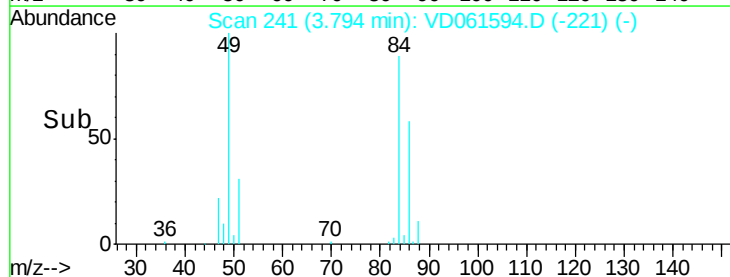
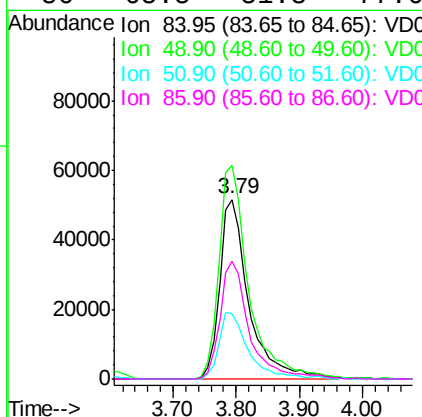
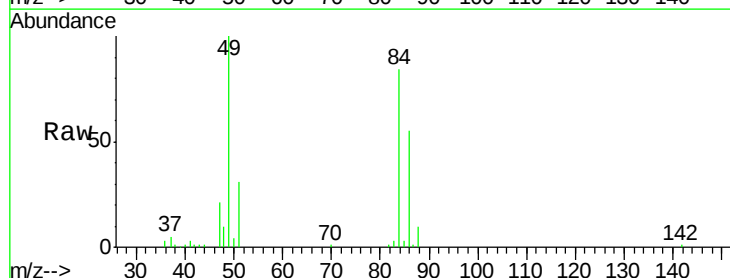
Tot Ion: 73 Resp: 217213
 Ion Ratio Lower Upper
 73 100
 57 19.7 16.4 24.6

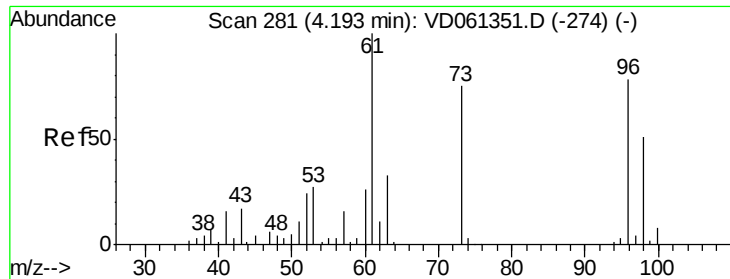


#20

Methylene Chloride
 Concen: 29.067 ug/l
 RT: 3.79 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion: 84 Resp: 166741
 Ion Ratio Lower Upper
 84 100
 49 119.2 91.8 137.8
 51 36.4 29.8 44.8
 86 65.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.147 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

ClientSampleId :

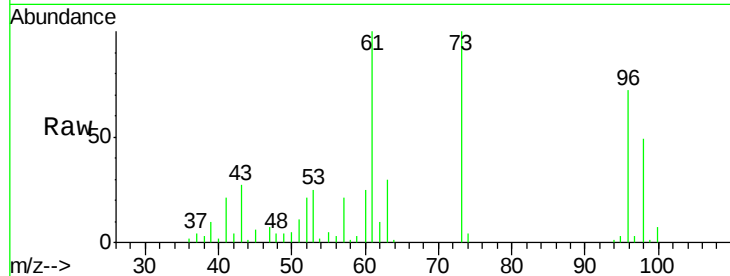
Tot Ion: 96 Resp: 116456

Ion Ratio Lower Upper

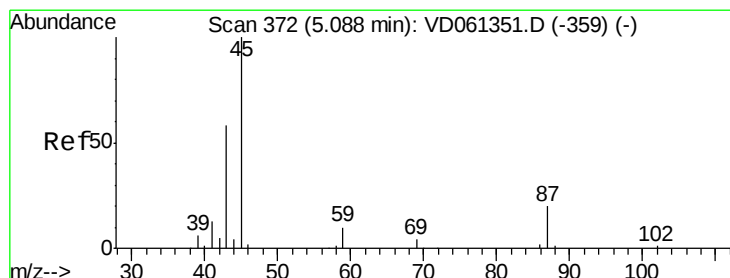
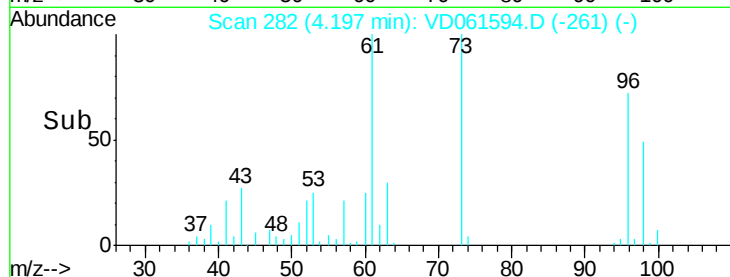
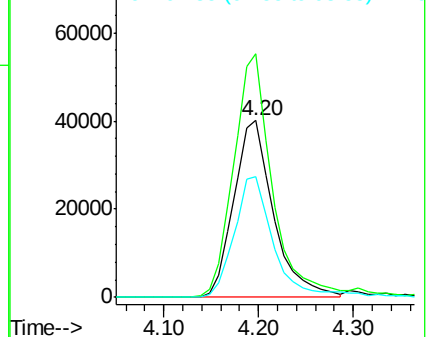
96 100

61 137.7 102.7 154.1

98 67.9 52.2 78.4



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



#22

Diisopropyl ether

Concen: 23.882 ug/l

RT: 5.08 min Scan# 372

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Tgt Ion: 45 Resp: 343321

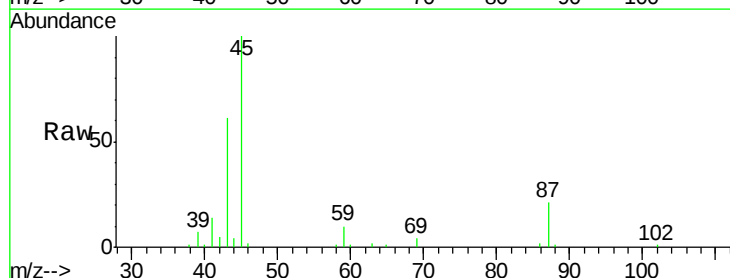
Ion Ratio Lower Upper

45 100

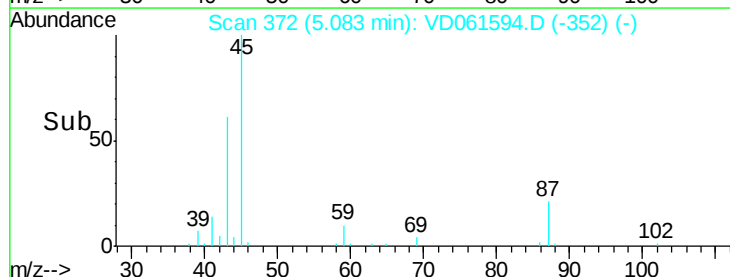
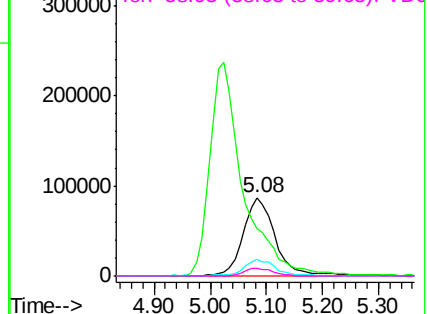
43 60.5 47.4 71.2

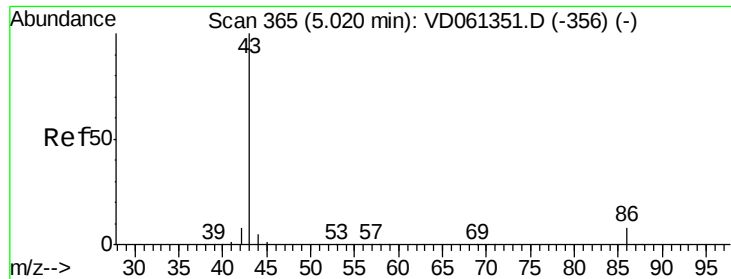
87 20.5 16.3 24.5

59 9.8 8.4 12.6



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





#23

Vinyl Acetate

Concen: 124.634 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

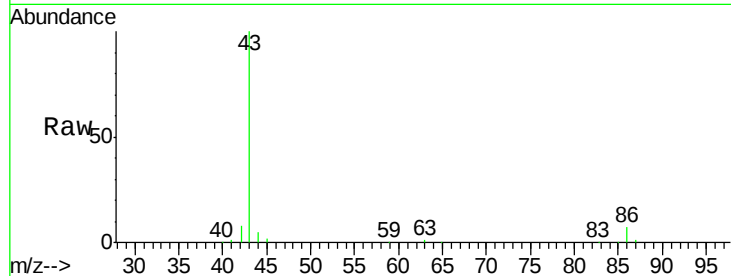
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 973234

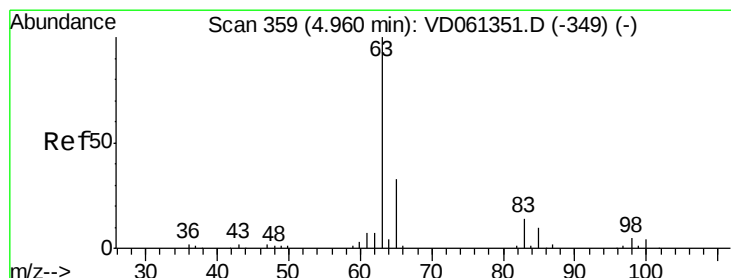
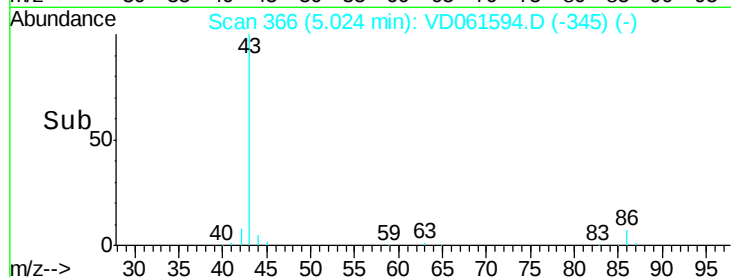
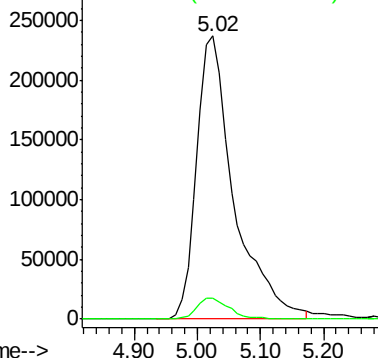
Ion Ratio Lower Upper

43 100

86 7.4 6.7 10.1



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



#24

1,1-Dichloroethane

Concen: 23.962 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

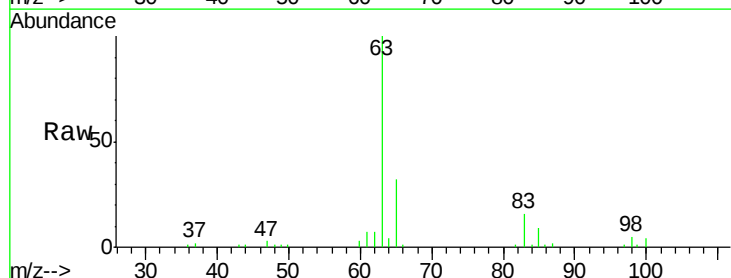
Tgt Ion: 63 Resp: 202442

Ion Ratio Lower Upper

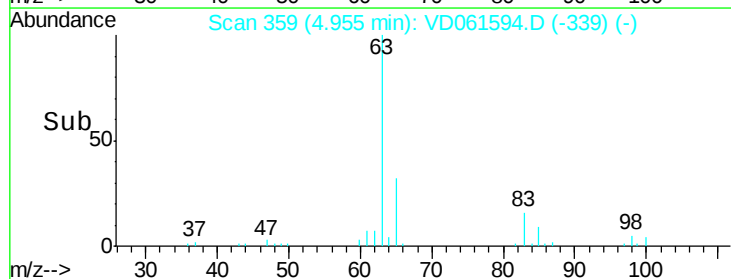
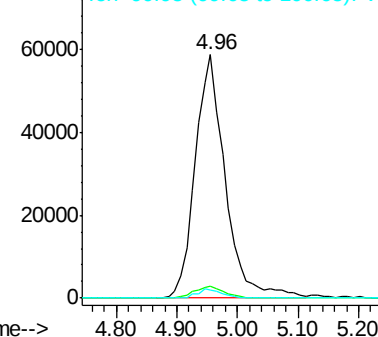
63 100

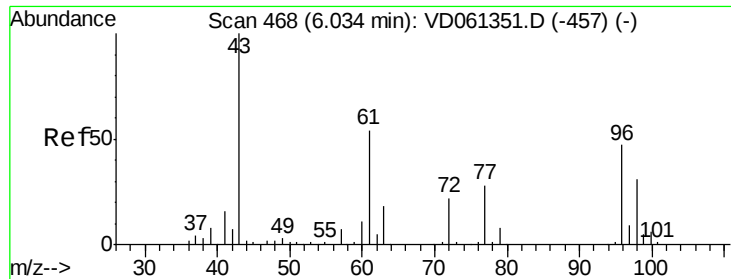
98 5.8 2.6 8.0

100 3.5 1.8 5.3



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





#25

2-Butanone

Concen: 127.765 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

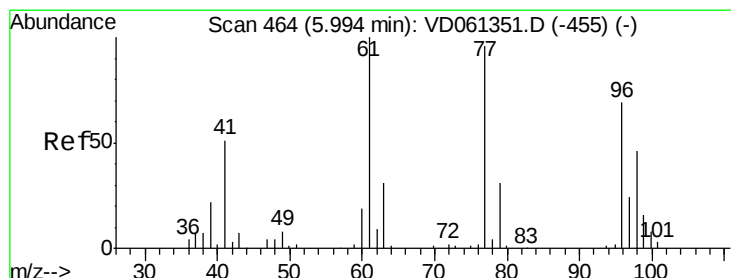
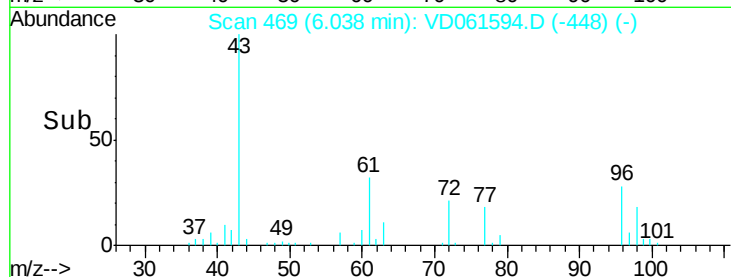
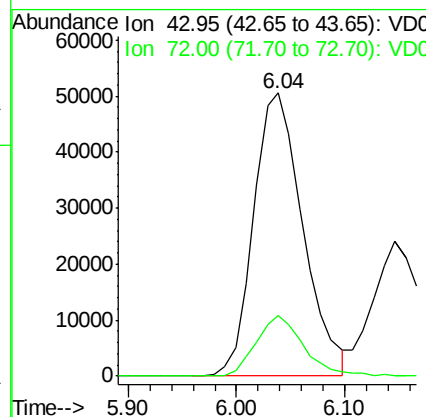
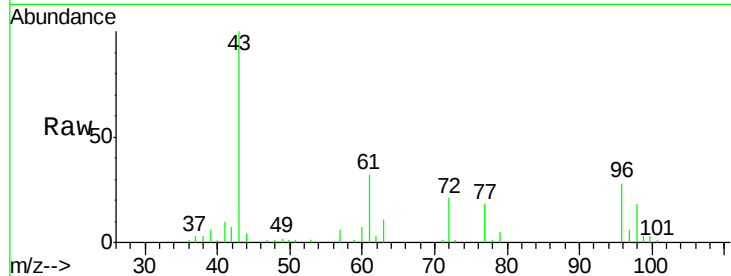
ClientSampleId :

Tot Ion: 43 Resp: 160146

Ion Ratio Lower Upper

43 100

72 21.4 17.2 25.8



#26

2,2-Dichloropropane

Concen: 23.835 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD061594.D

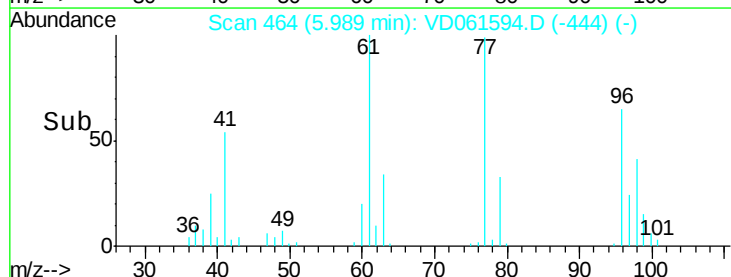
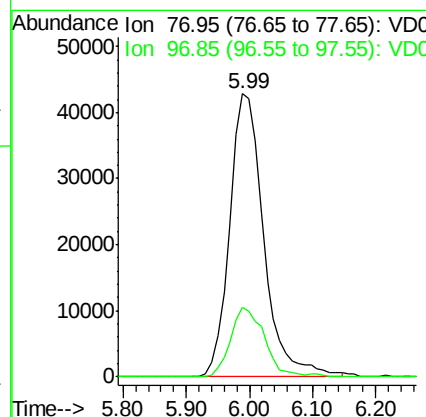
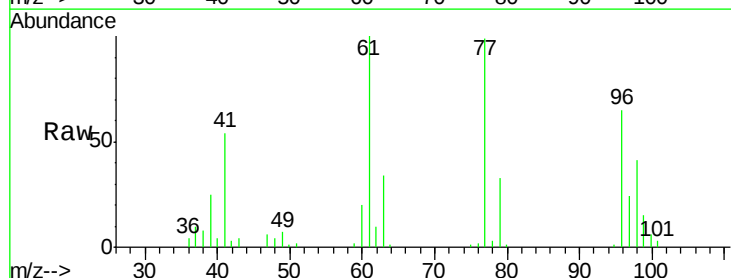
Acq: 4 Apr 2019 22:18

Tgt Ion: 77 Resp: 160078

Ion Ratio Lower Upper

77 100

97 24.5 12.7 38.0



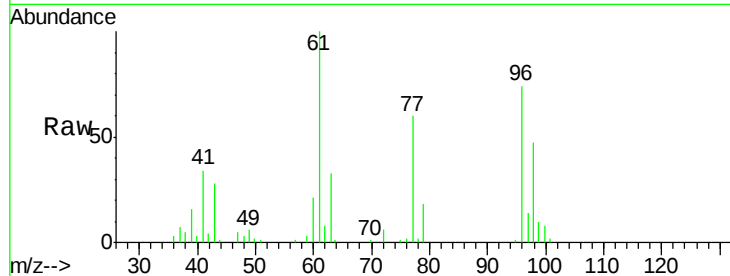


#27

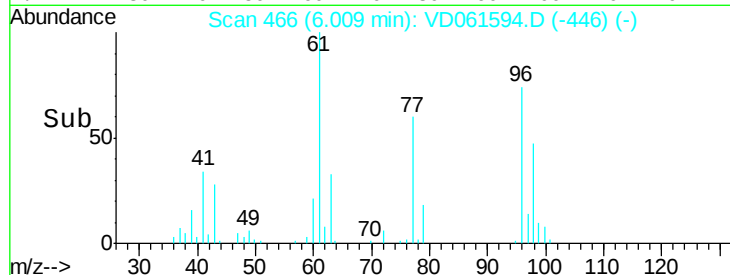
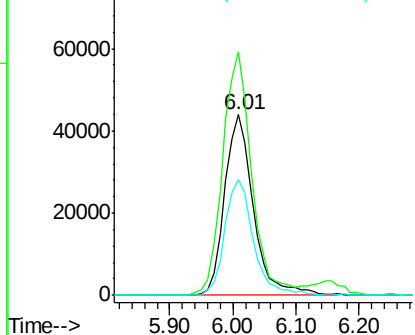
cis-1,2-Dichloroethene
Concen: 24.140 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 139080
Ion Ratio Lower Upper
96 100
61 135.0 0.0 251.6
98 63.8 0.0 129.2



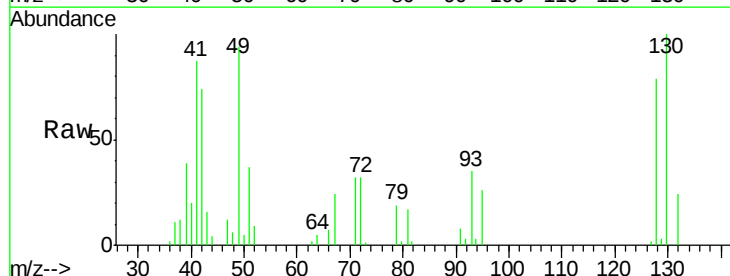
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



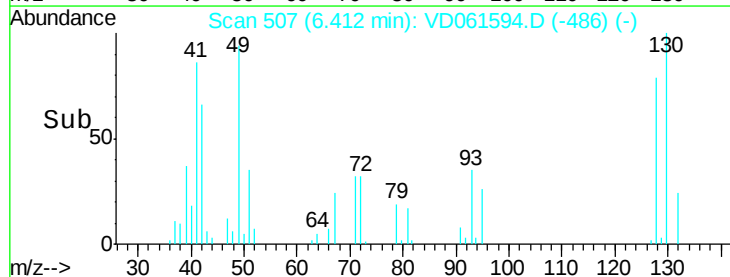
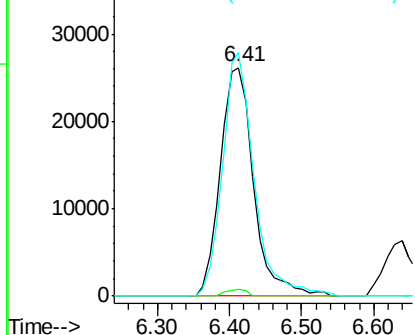
#28

Bromochloromethane
Concen: 24.507 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion: 49 Resp: 83576
Ion Ratio Lower Upper
49 100
129 2.8 0.0 0.0#
130 106.5 78.4 117.6



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

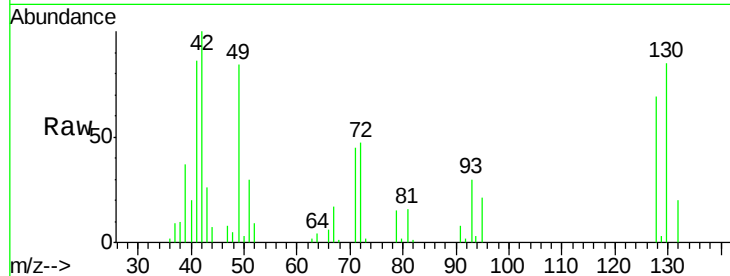




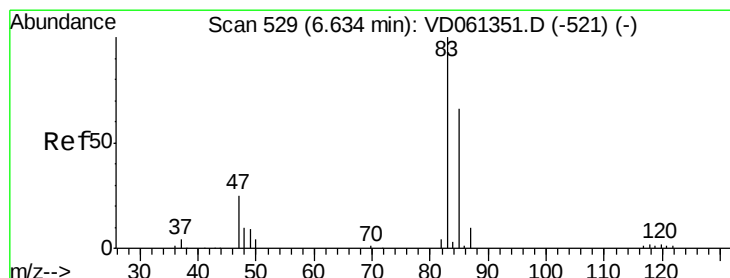
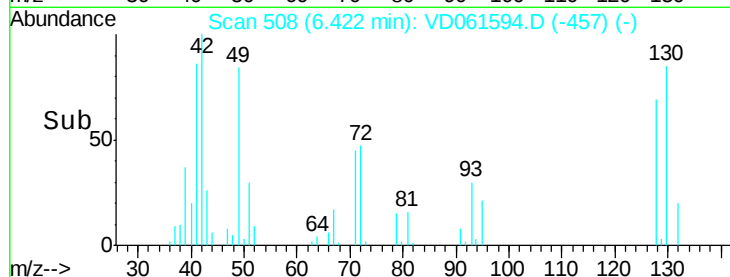
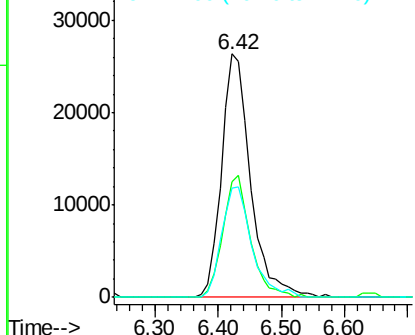
#29
Tetrahydrofuran
Concen: 138.527 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 84160
Ion Ratio Lower Upper
42 100
72 47.4 37.4 56.0
71 47.0 36.7 55.1

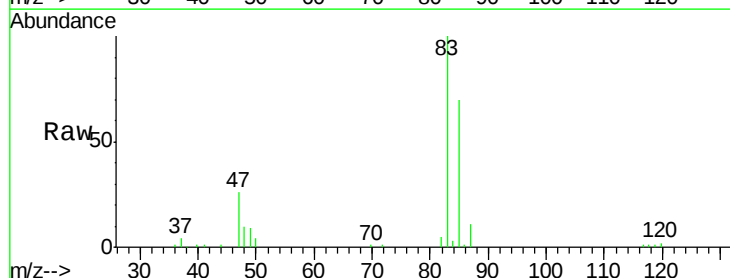


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

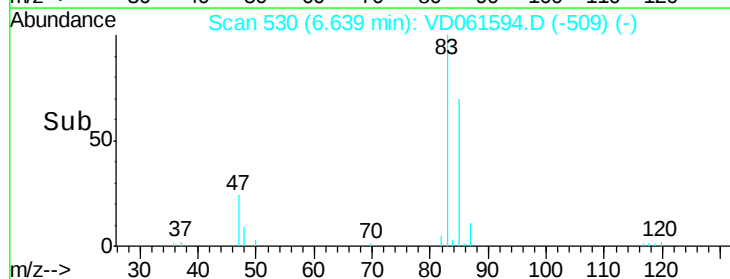
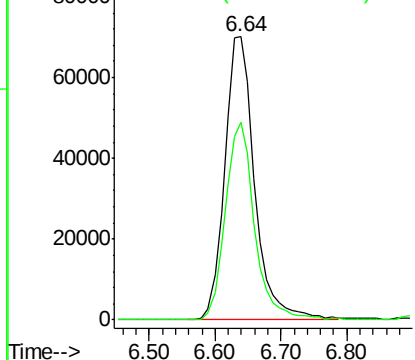


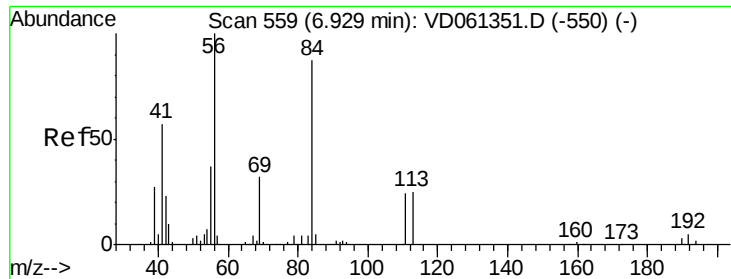
#30
Chloroform
Concen: 25.609 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion: 83 Resp: 223554
Ion Ratio Lower Upper
83 100
85 69.8 53.0 79.4



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

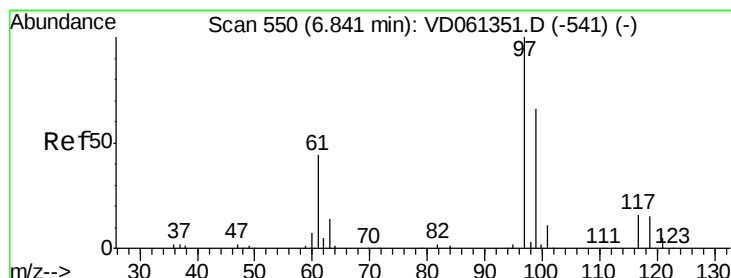
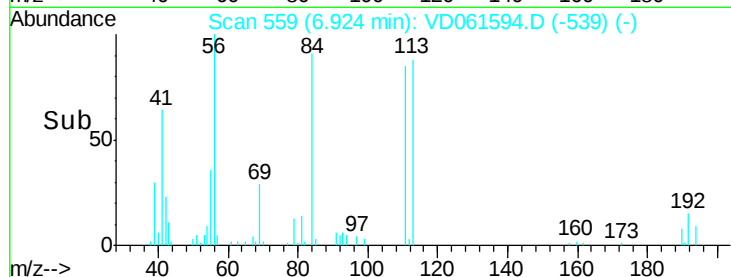
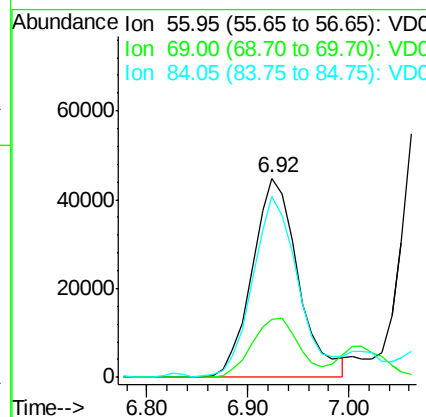
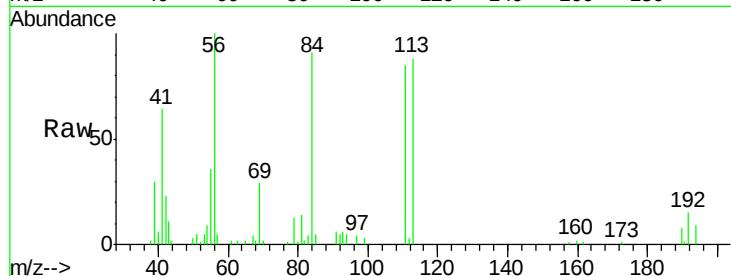




#31
Cyclohexane
Concen: 21.289 ug/l
RT: 6.92 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

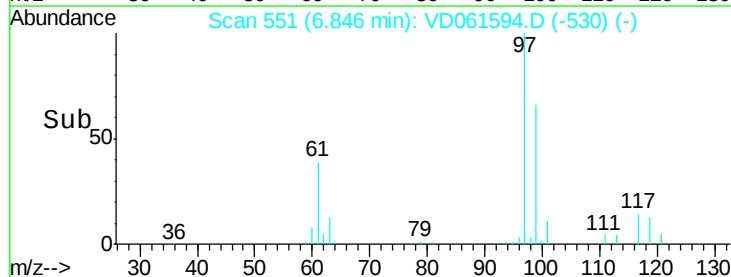
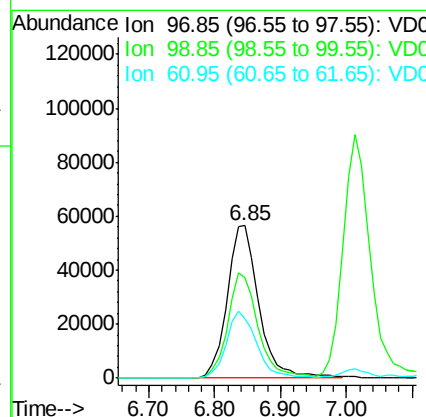
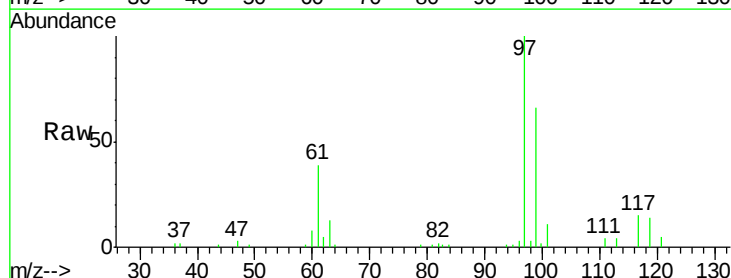
Instrument :
MSVOA_D
ClientSampled :

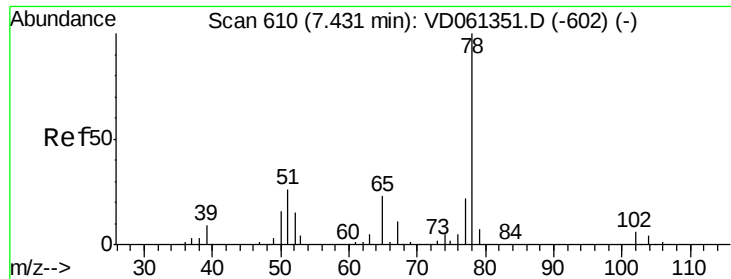
Tot Ion: 56 Resp: 142127
Ion Ratio Lower Upper
56 100
69 29.3 25.7 38.5
84 90.8 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 24.667 ug/l
RT: 6.85 min Scan# 551
Delta R.T. 0.00 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion: 97 Resp: 189971
Ion Ratio Lower Upper
97 100
99 65.8 53.1 79.7
61 38.5 35.5 53.3

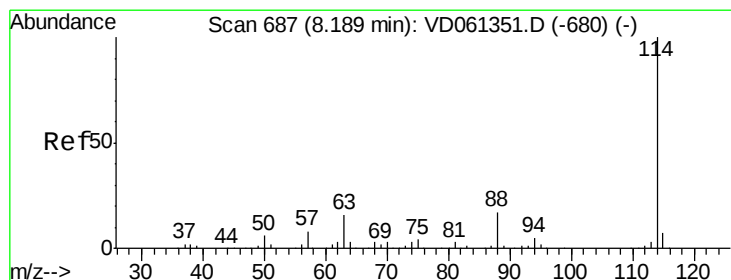
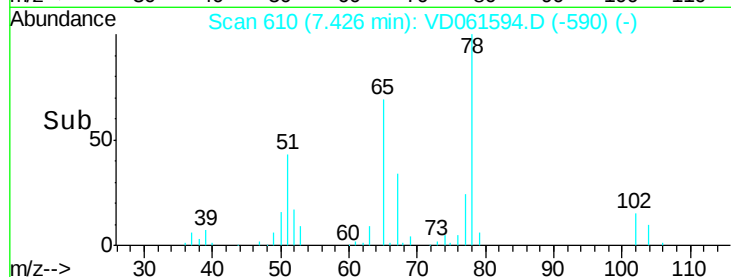
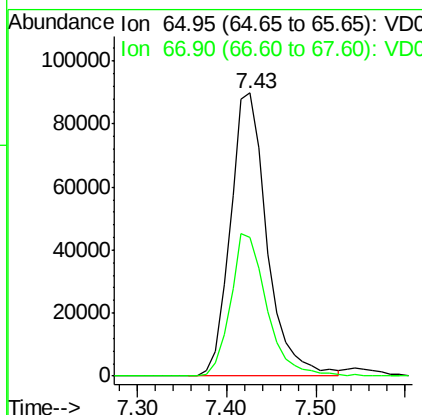
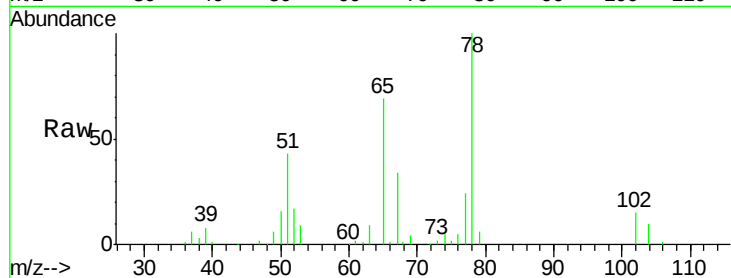




#33
 1,2-Dichloroethane-d4
 Concen: 24.667 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

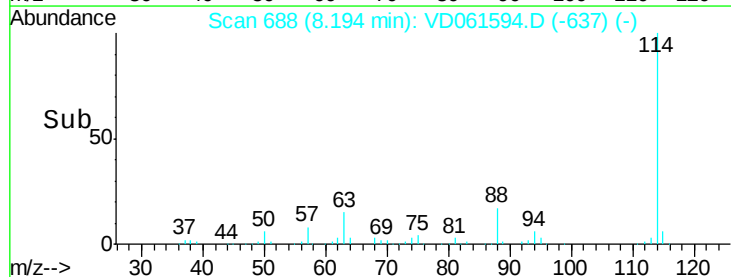
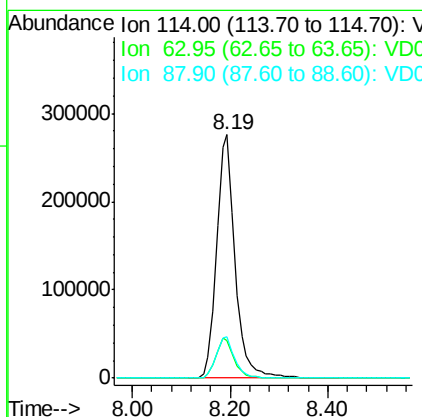
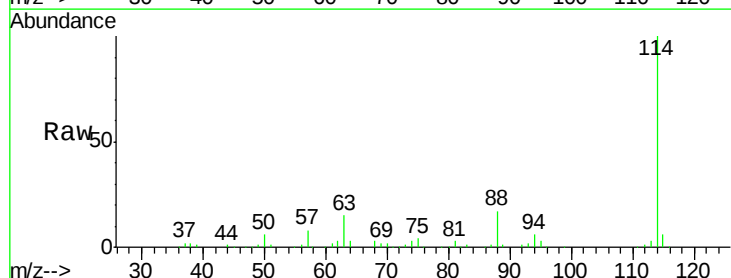
Instrument :
 MSVOA_D
 ClientSampled :

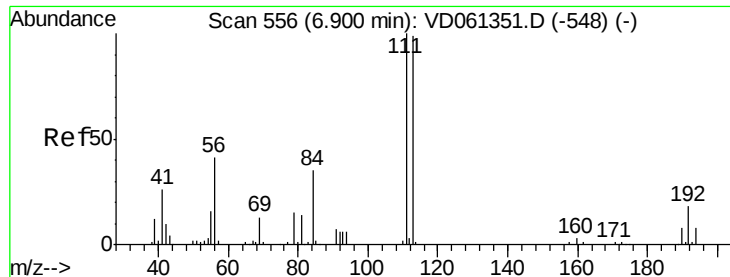
Tot Ion: 65 Resp: 257632
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion: 114 Resp: 724979
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.6
 88 16.8 0.0 33.4

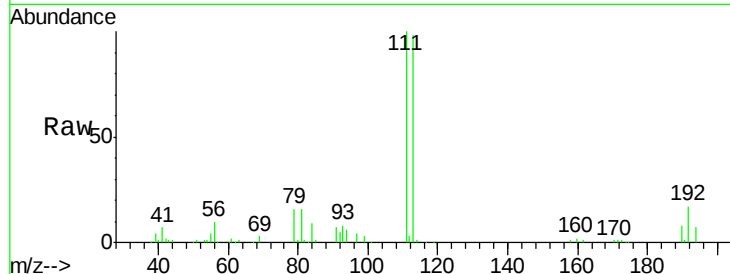




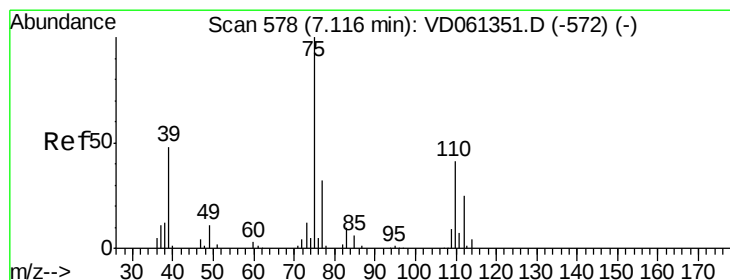
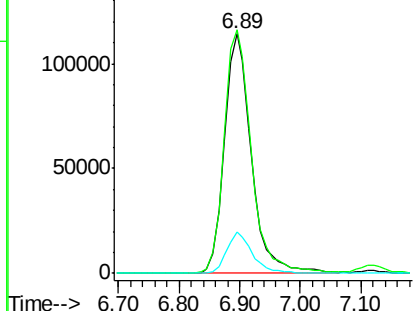
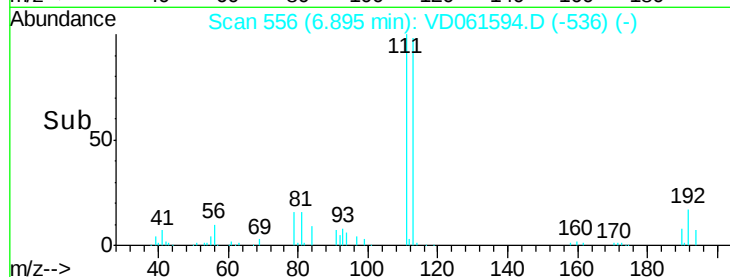
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 351703
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.0 121.6
 192 17.5 14.4 21.6

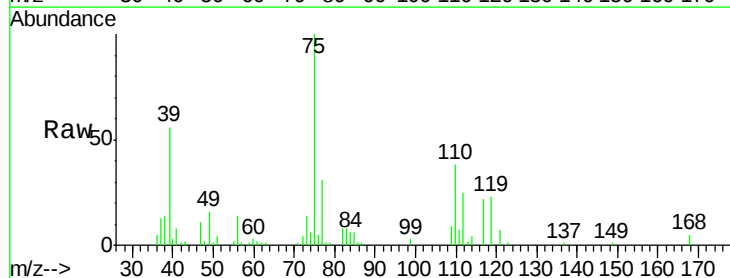


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

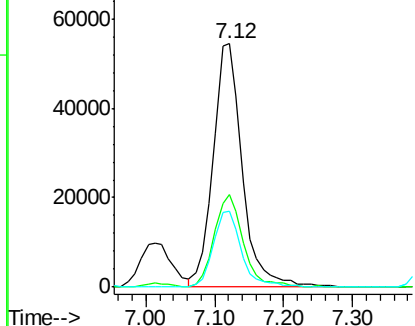
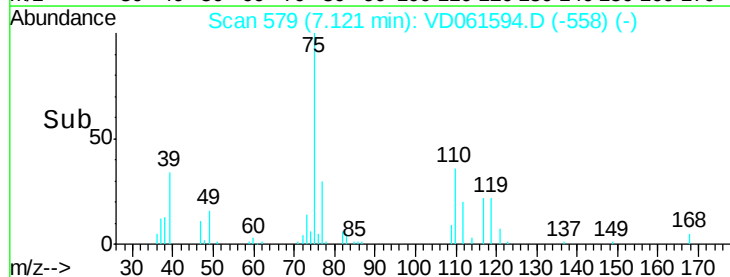


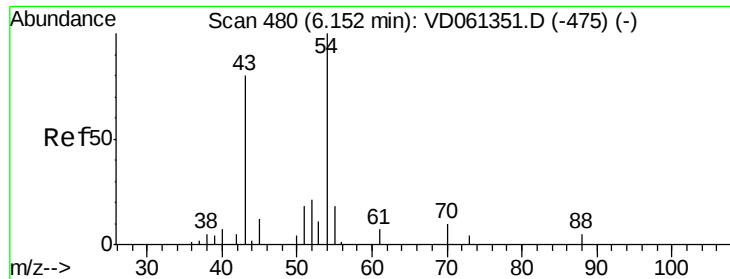
#36
 1,1-Dichloropropene
 Concen: 25.248 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion: 75 Resp: 159752
 Ion Ratio Lower Upper
 75 100
 110 38.3 20.4 61.3
 77 31.4 24.9 37.3



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

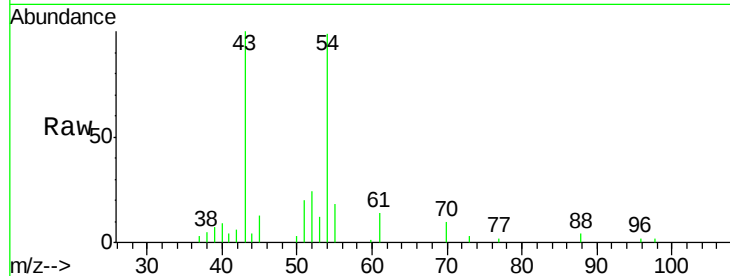




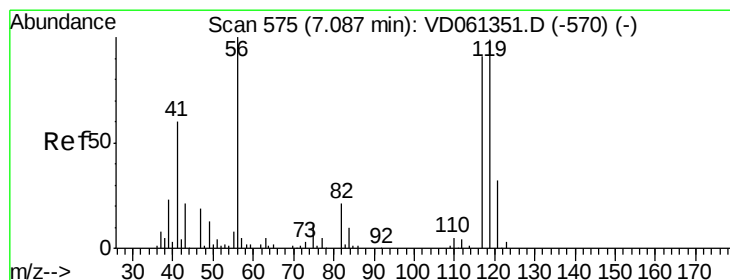
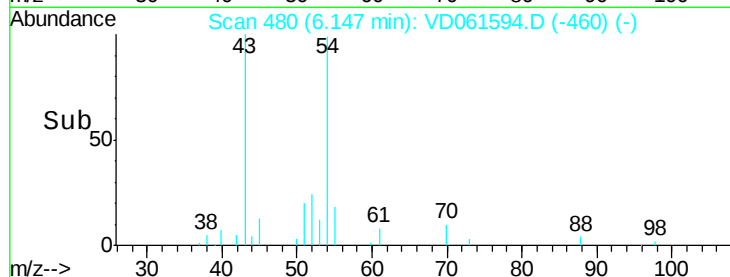
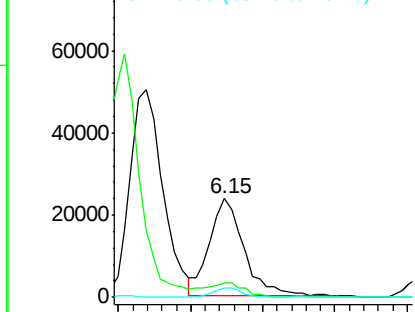
#37
Ethyl Acetate
Concen: 28.900 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 78205
Ion Ratio Lower Upper
43 100
61 14.4 13.8 20.8
70 9.6 7.8 11.8

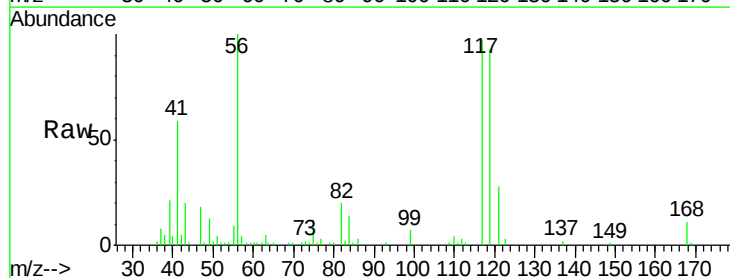


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

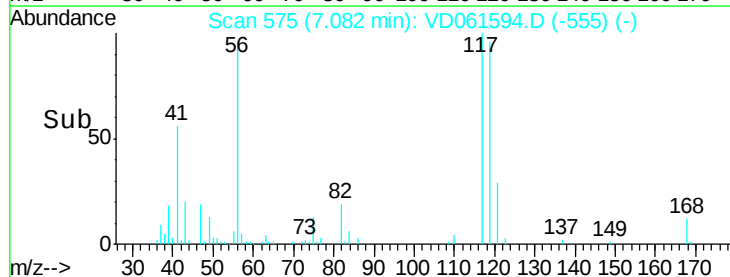
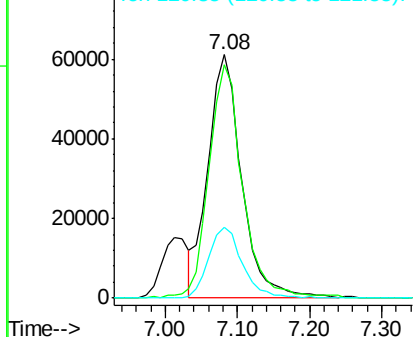


#38
Carbon Tetrachloride
Concen: 27.067 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion: 117 Resp: 196799
Ion Ratio Lower Upper
117 100
119 95.9 80.1 120.1
121 29.0 25.6 38.4



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





#39

Methvlcvclohexane

Concen: 24.661 ug/l

RT: 8.83 min Scan# 753

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

ClientSampleId :

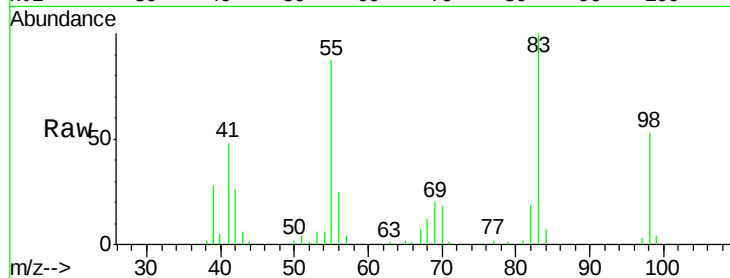
Tot Ion: 83 Resp: 162516

Ion Ratio Lower Upper

83 100

55 86.9 71.5 107.3

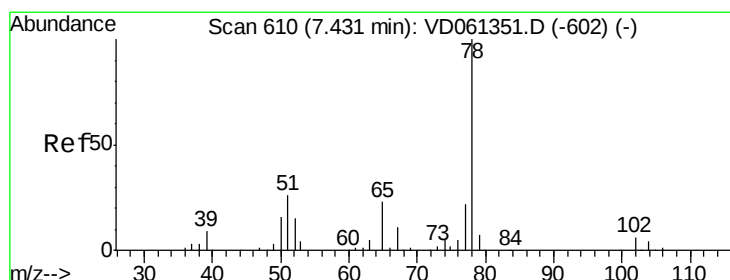
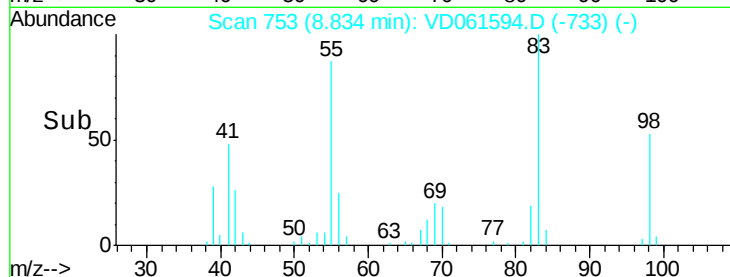
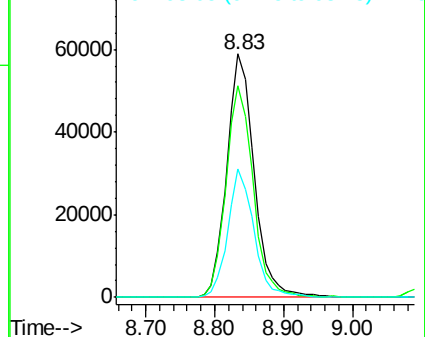
98 52.8 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 24.652 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061594.D

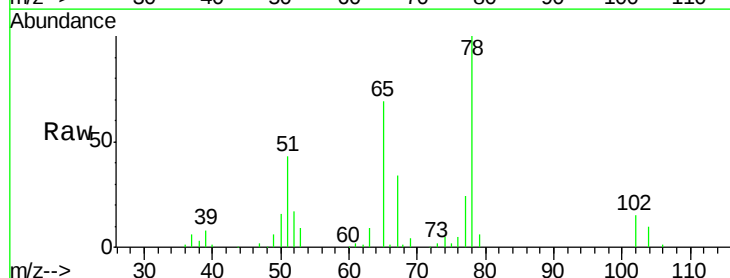
Acq: 4 Apr 2019 22:18

Tgt Ion: 78 Resp: 391473

Ion Ratio Lower Upper

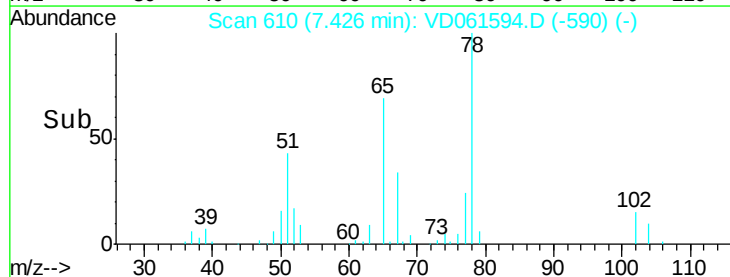
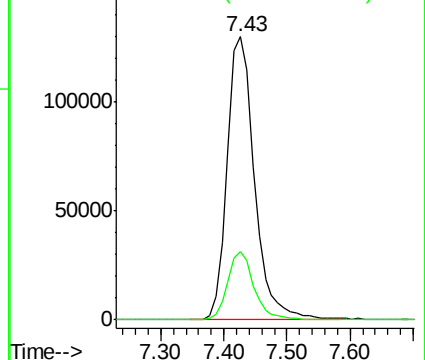
78 100

77 24.0 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

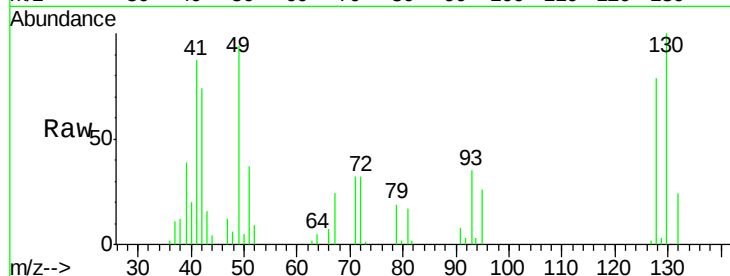




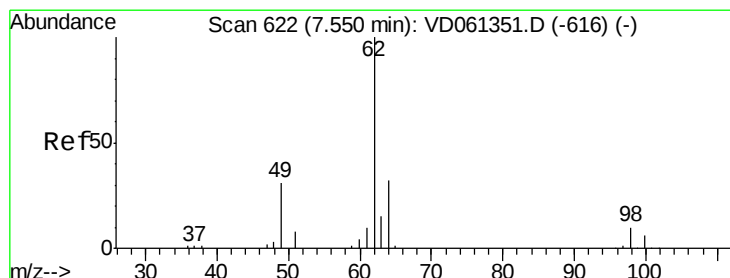
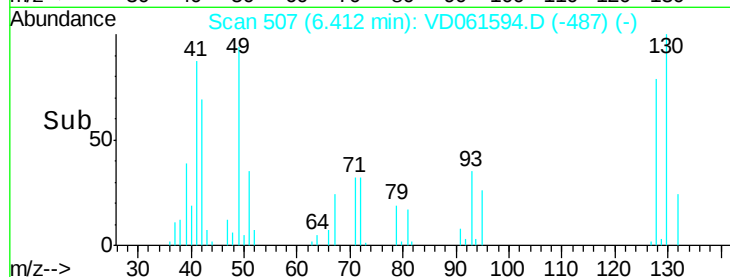
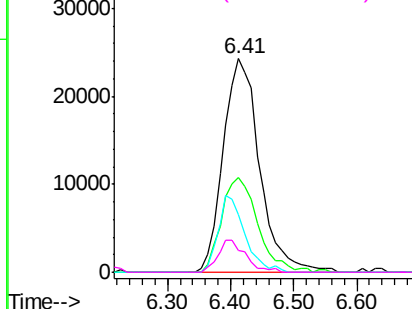
#41
Methacrylonitrile
Concen: 30.662 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 97016
Ion Ratio Lower Upper
41 100
39 44.4 35.0 52.6
67 27.1 21.0 31.6
52 10.4 7.7 11.5

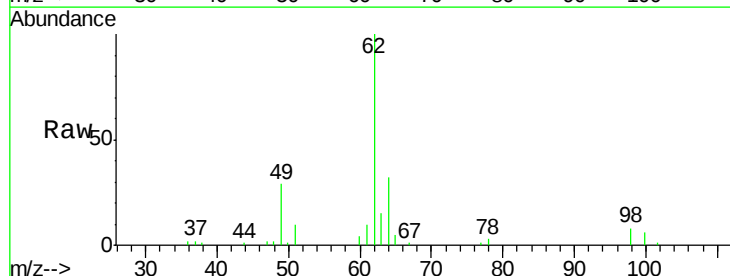


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

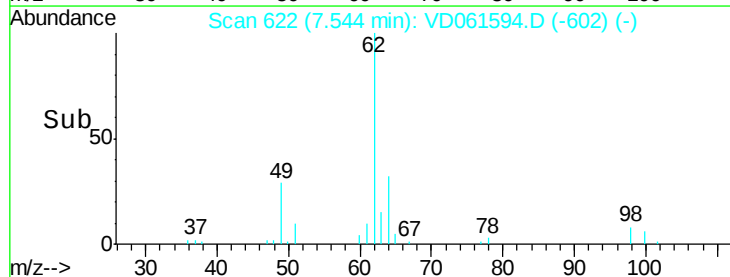
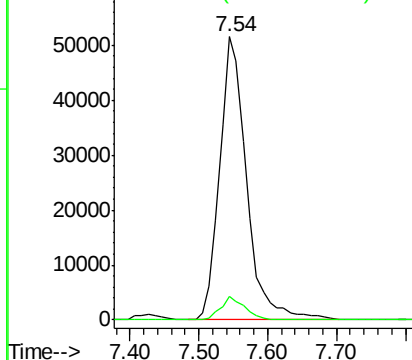


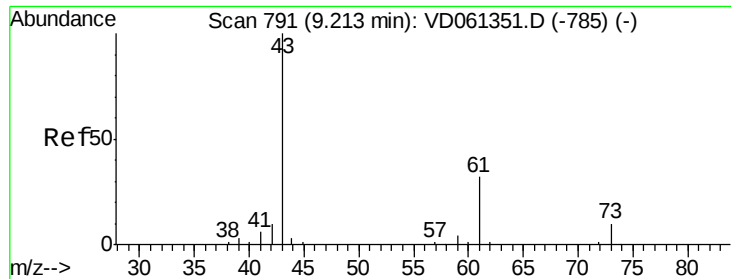
#42
1,2-Dichloroethane
Concen: 29.459 ug/l
RT: 7.54 min Scan# 622
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion: 62 Resp: 139934
Ion Ratio Lower Upper
62 100
98 8.1 0.0 19.8



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



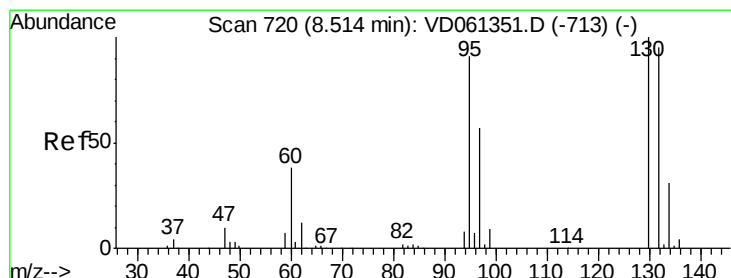
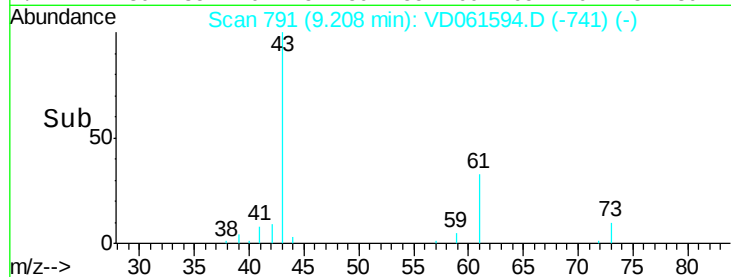
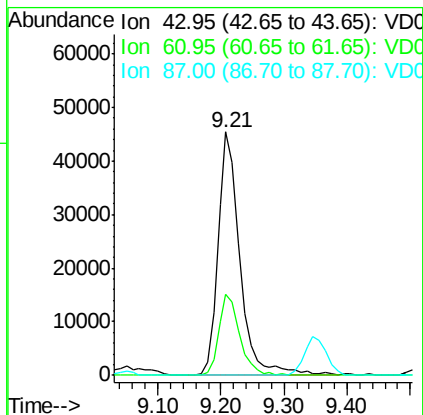
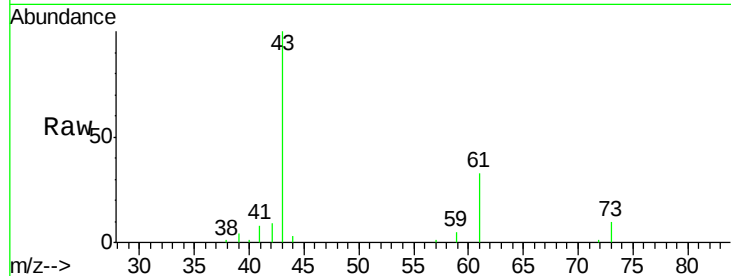


#43

Isopropyl Acetate
 Concen: 28.140 ug/l
 RT: 9.21 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Instrument :
 MSVOA_D
 ClientSampleID :

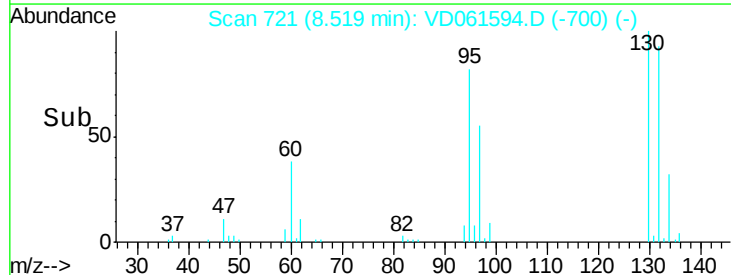
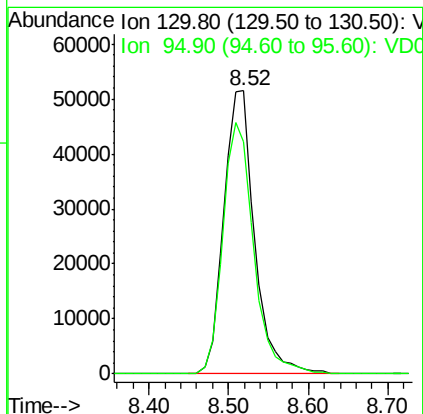
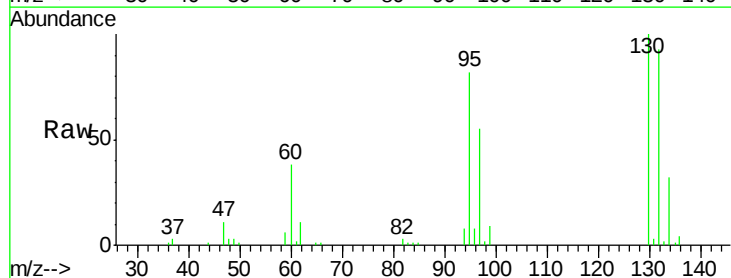
Tot Ion: 43 Resp: 110796
 Ion Ratio Lower Upper
 43 100
 61 33.1 25.8 38.6
 87 0.0 0.0 0.0

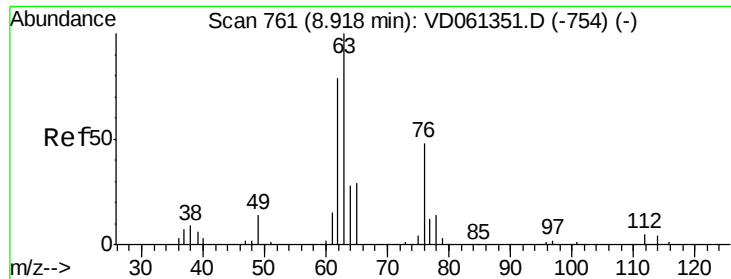


#44

Trichloroethene
 Concen: 23.677 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion:130 Resp: 139922
 Ion Ratio Lower Upper
 130 100
 95 82.0 0.0 181.4





#45

1,2-Dichloropropane

Concen: 25.525 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

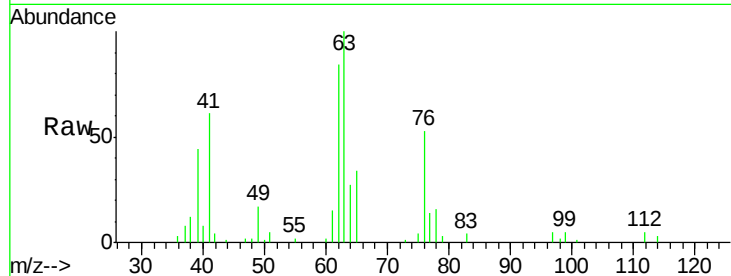
ClientSampleId :

Tot Ion: 63 Resp: 102783

Ion Ratio Lower Upper

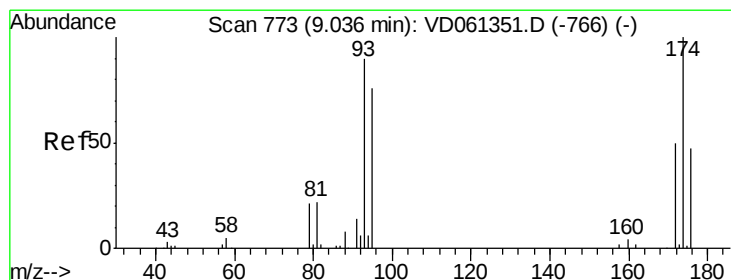
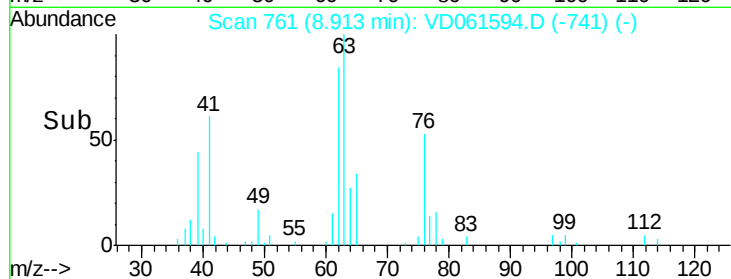
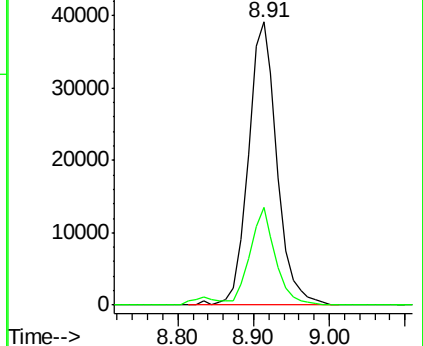
63 100

65 34.3 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 27.855 ug/l

RT: 9.03 min Scan# 773

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

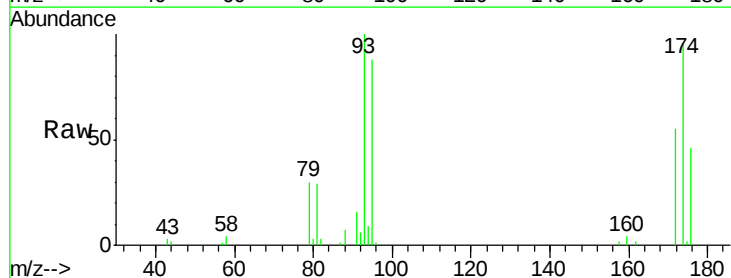
Tgt Ion: 93 Resp: 75494

Ion Ratio Lower Upper

93 100

95 88.2 67.4 101.0

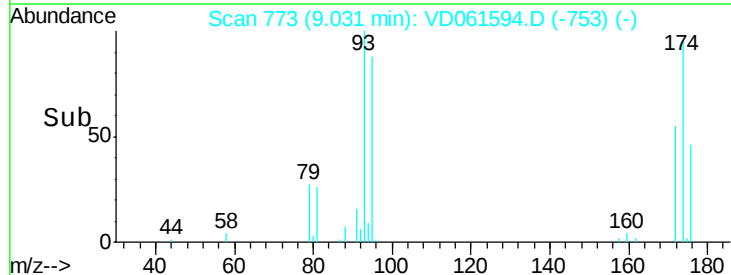
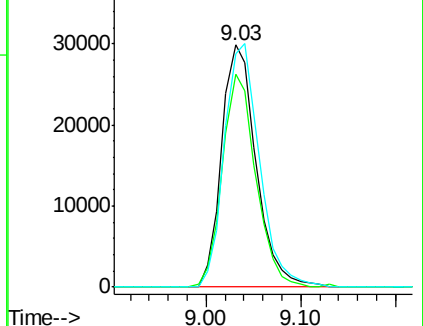
174 96.4 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 27.909 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

ClientSampleId :

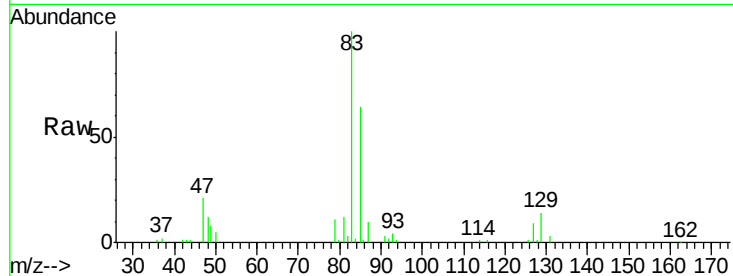
Tot Ion: 83 Resp: 169774

Ion Ratio Lower Upper

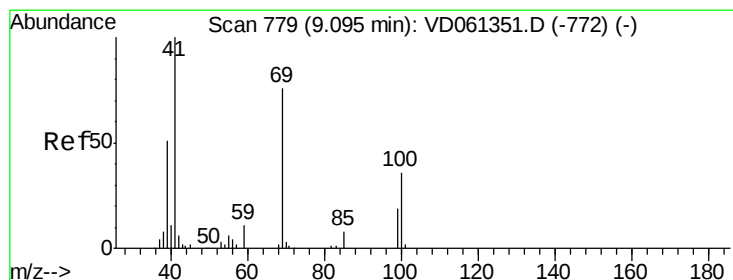
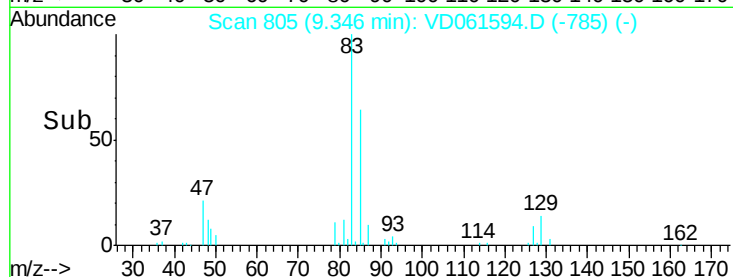
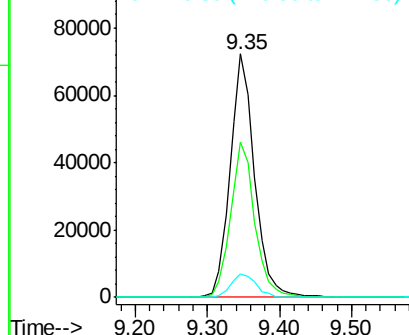
83 100

85 64.0 53.0 79.4

127 9.5 8.4 12.6



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: 28.828 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

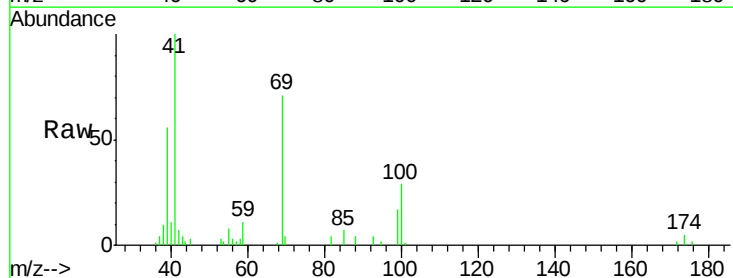
Tgt Ion: 41 Resp: 62641

Ion Ratio Lower Upper

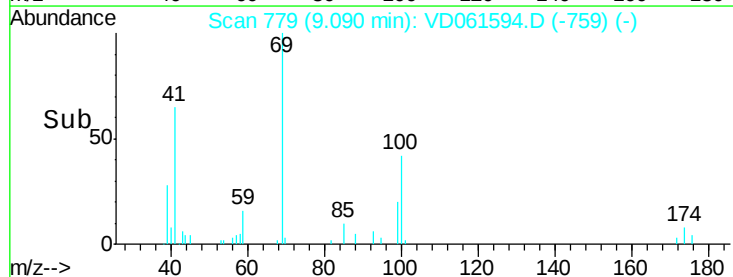
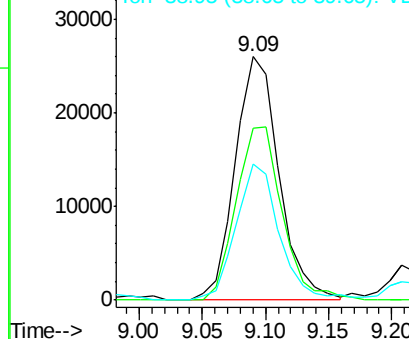
41 100

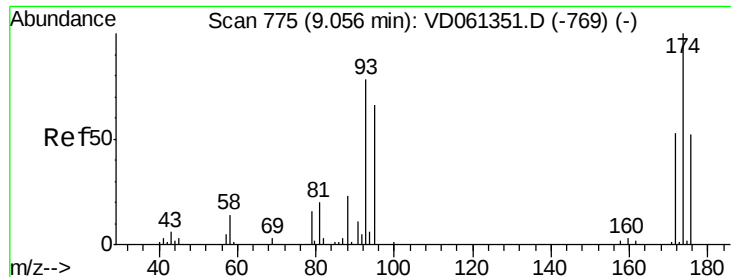
69 70.6 60.2 90.4

39 56.0 41.4 62.2



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

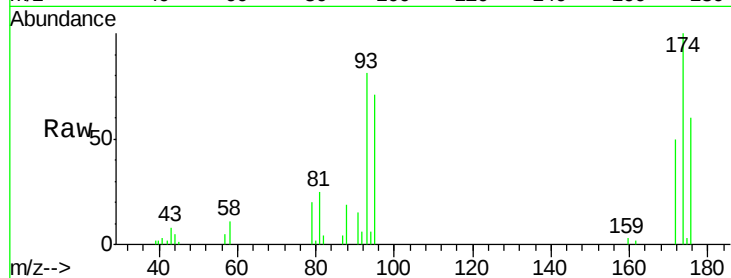




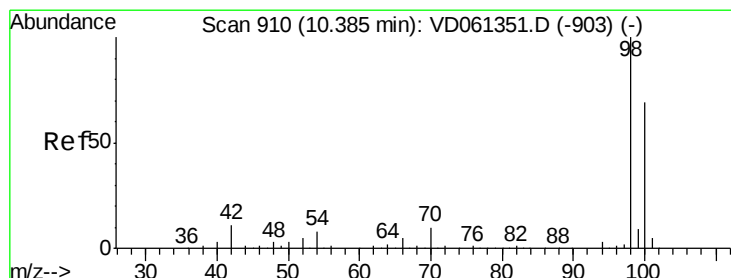
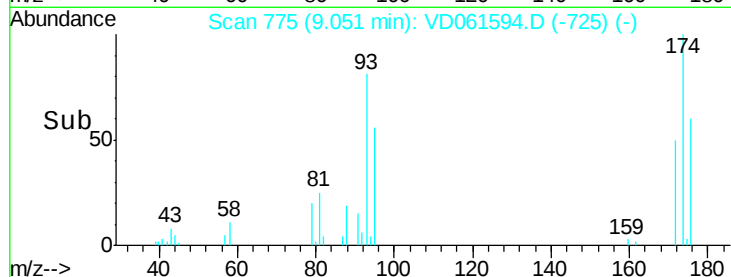
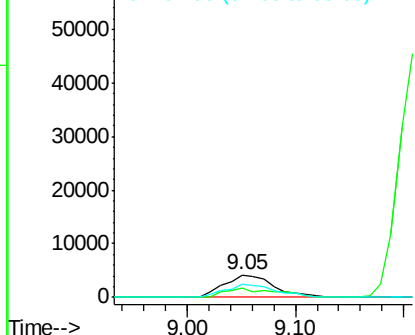
#49
1,4-Dioxane
Concen: 543.736 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 13032
Ion Ratio Lower Upper
88 100
43 39.4 23.3 34.9#
58 57.4 50.8 76.2

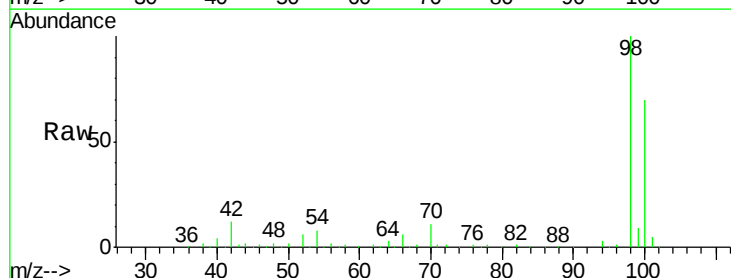


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

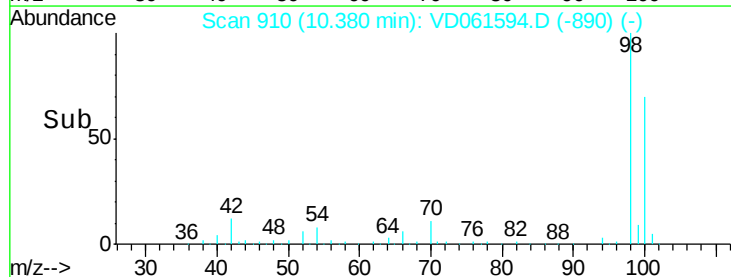
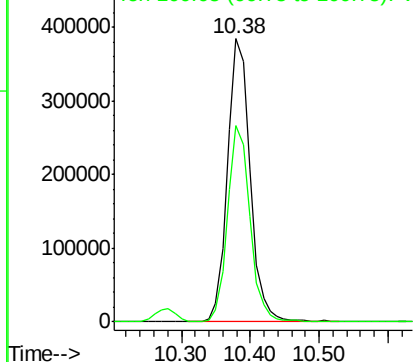


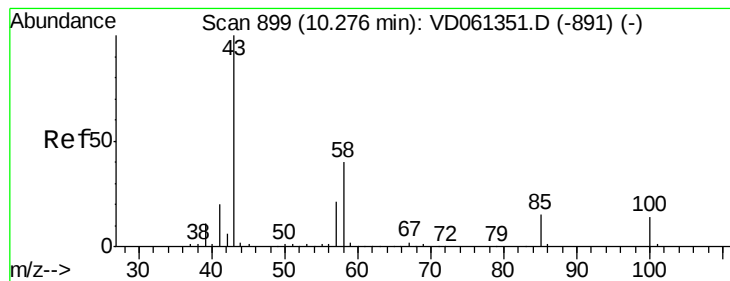
#50
Toluene-d8
Concen: 543.736 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion: 98 Resp: 878275
Ion Ratio Lower Upper
98 100
100 69.5 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 144.242 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

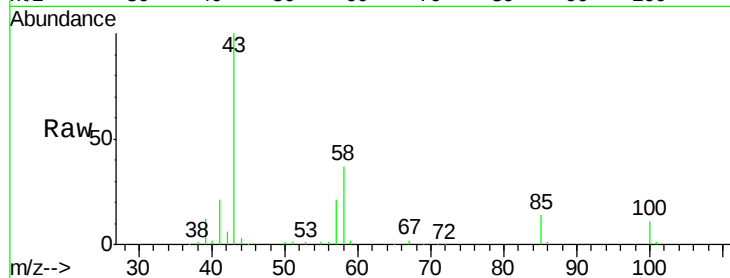
ClientSampleId :

Tot Ion: 43 Resp: 345522

Ion Ratio Lower Upper

43 100

58 36.8 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

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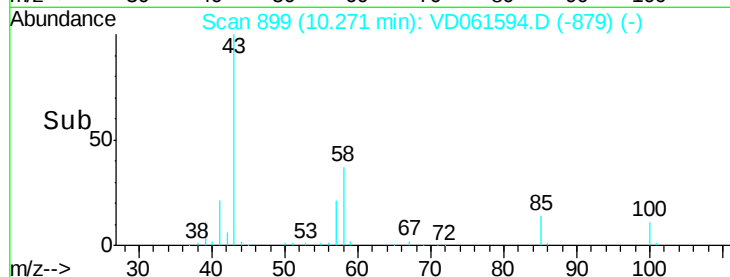
10.27

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10.27



#52

Toluene

Concen: 24.677 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.01 min

Lab File: VD061594.D

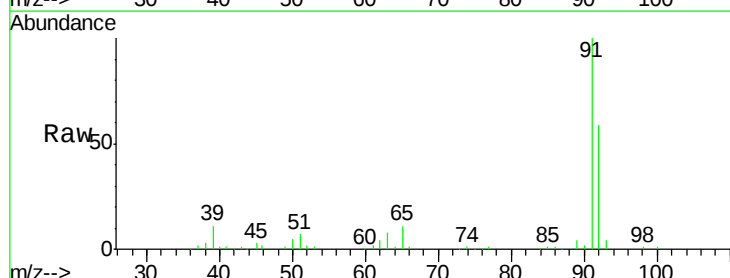
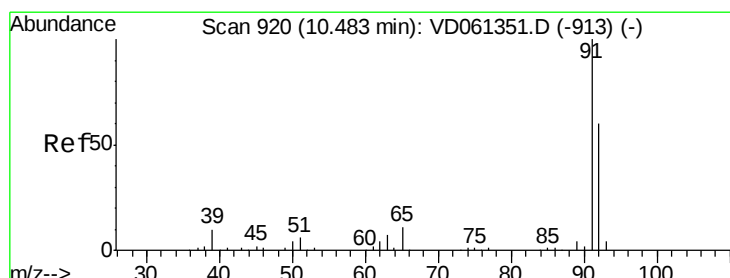
Acq: 4 Apr 2019 22:18

Tgt Ion: 92 Resp: 239068

Ion Ratio Lower Upper

92 100

91 170.5 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

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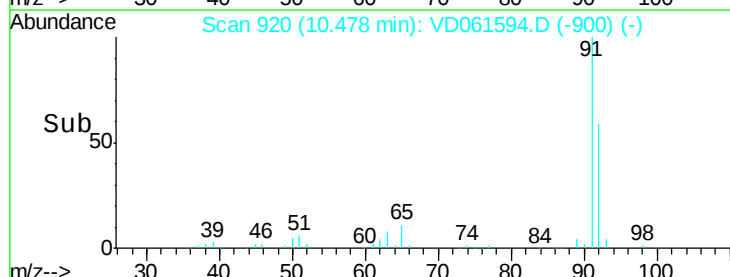
10.48

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10.48



#52

Toluene

Concen: 24.677 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.01 min

Lab File: VD061594.D

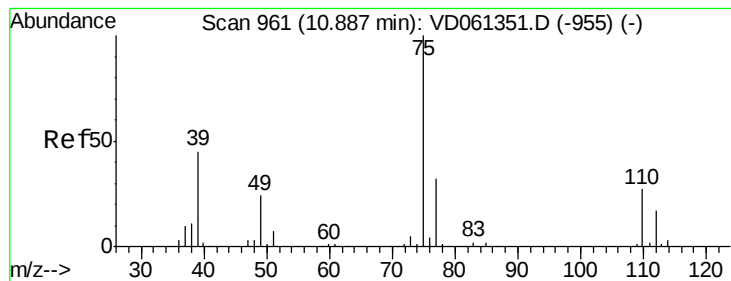
Acq: 4 Apr 2019 22:18

Tgt Ion: 92 Resp: 239068

Ion Ratio Lower Upper

92 100

91 170.5 133.3 199.9



#53

t-1,3-Dichloropropene

Concen: 27.623 ug/l

RT: 10.88 min Scan# 961

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

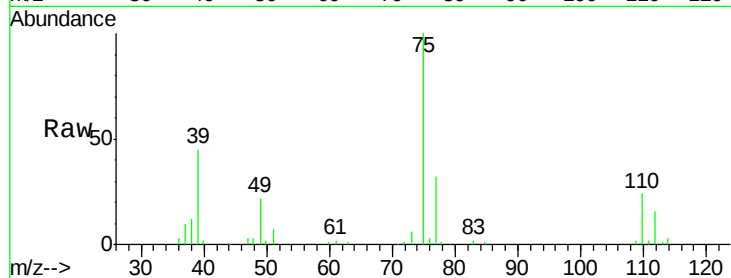
ClientSampled :

Tot Ion: 75 Resp: 152668

Ion Ratio Lower Upper

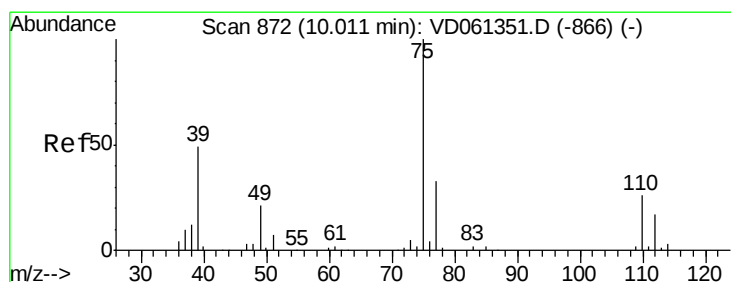
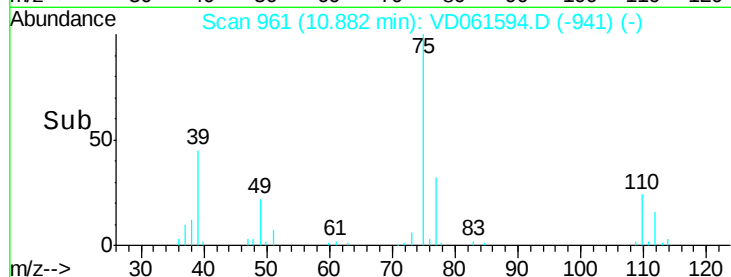
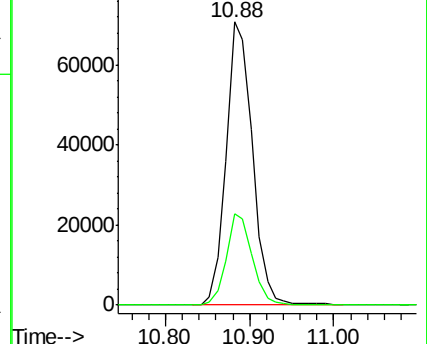
75 100

77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 24.478 ug/l

RT: 10.02 min Scan# 873

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

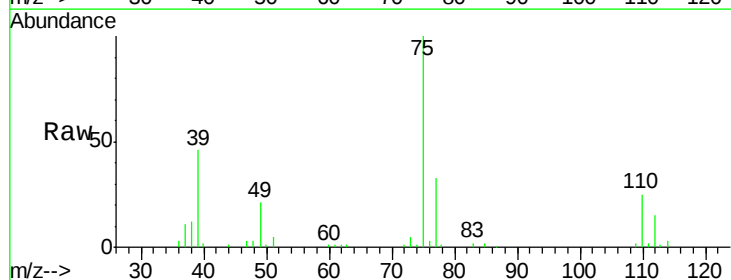
Tgt Ion: 75 Resp: 164735

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.4

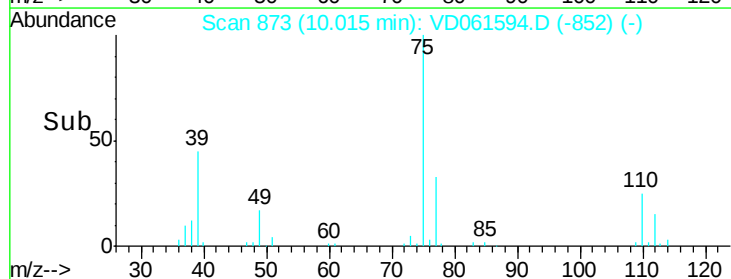
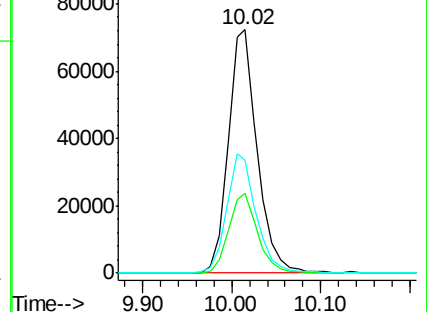
39 46.2 39.4 59.0

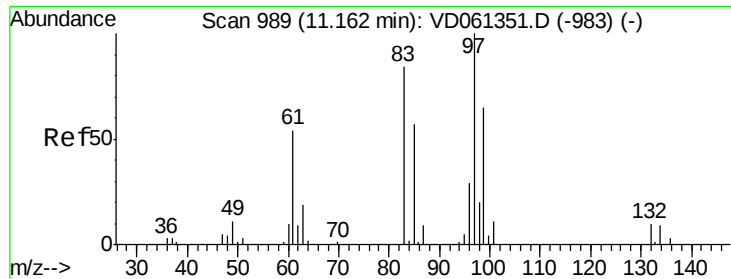


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 27.026 ug/l

RT: 11.17 min Scan# 990

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 91568

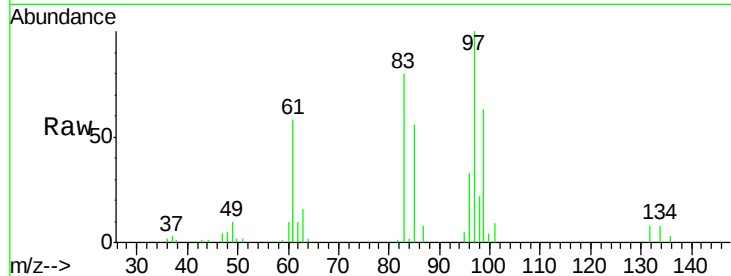
Ion Ratio Lower Upper

97 100

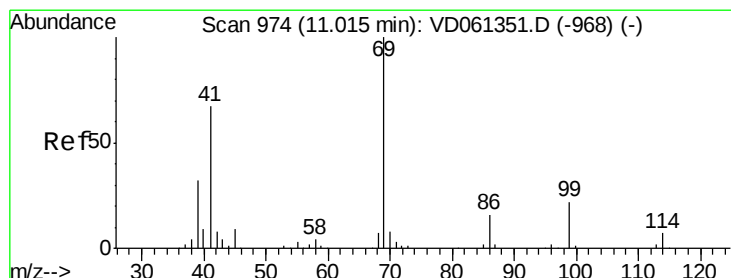
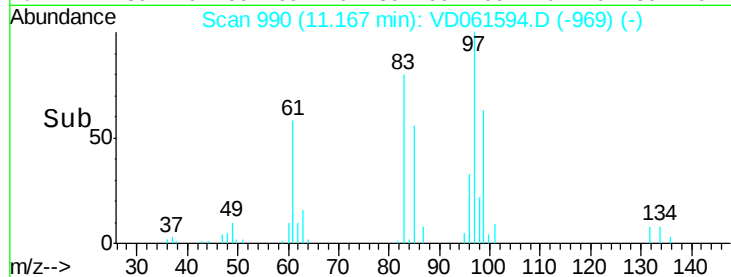
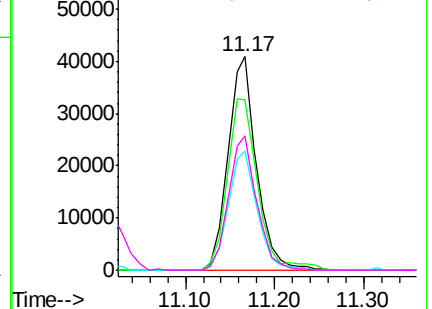
83 79.6 67.0 100.6

85 55.6 45.4 68.2

99 62.7 51.9 77.9



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



#56

Ethyl methacrylate

Concen: 27.501 ug/l

RT: 11.02 min Scan# 975

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

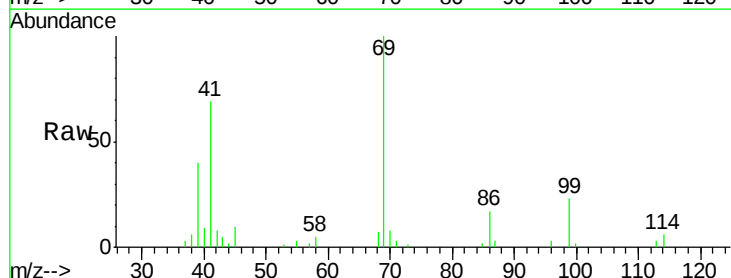
Tgt Ion: 69 Resp: 100099

Ion Ratio Lower Upper

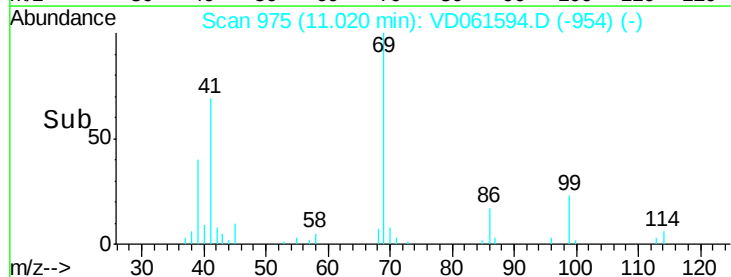
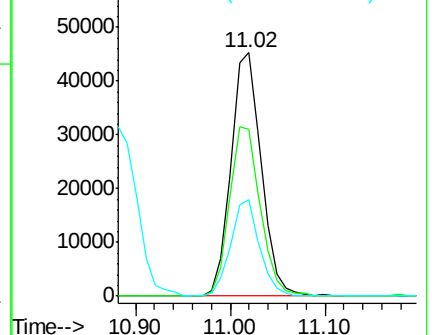
69 100

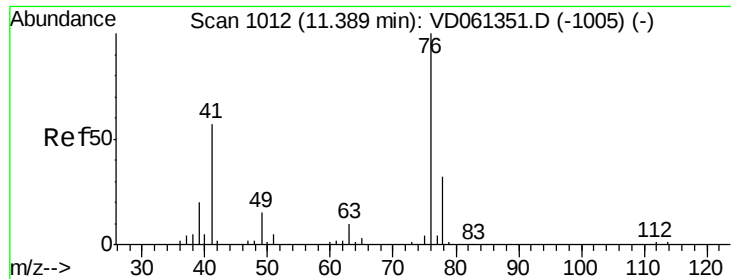
41 68.5 53.8 80.6

39 39.5 26.4 39.6



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

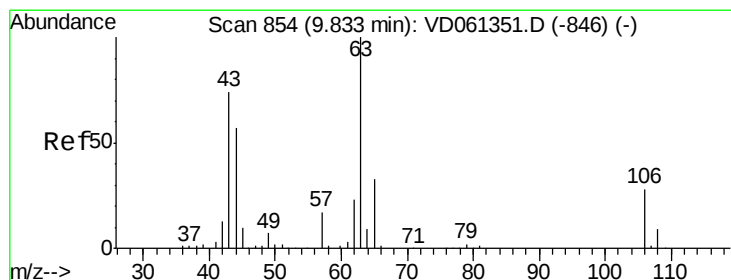
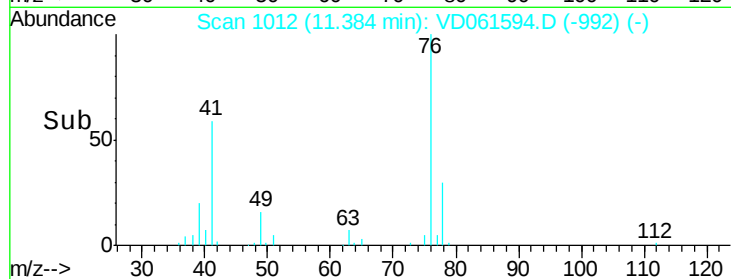
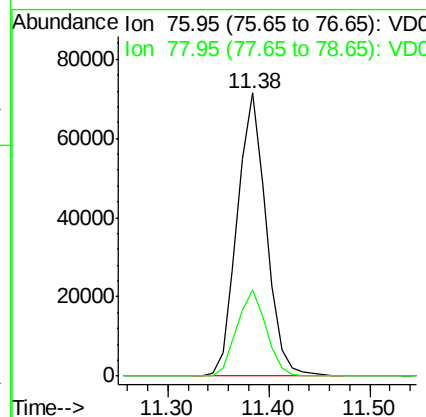
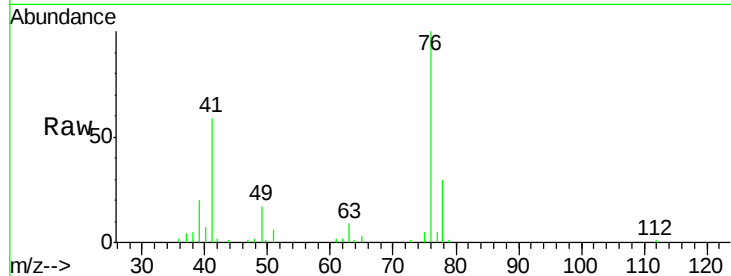




#57
 1,3-Dichloropropane
 Concen: 28.620 ug/l
 RT: 11.38 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

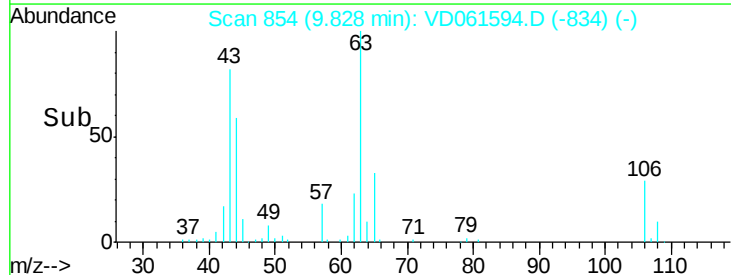
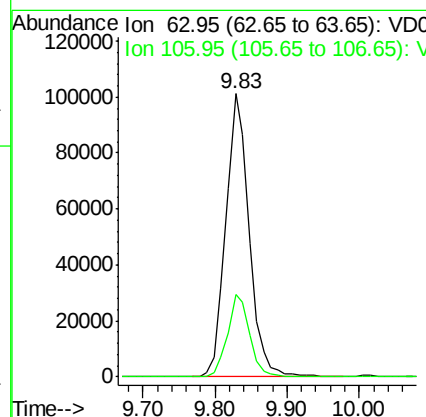
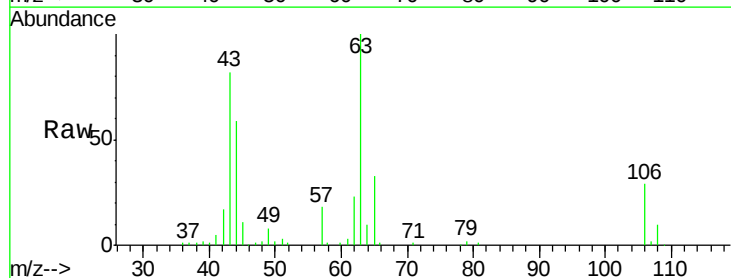
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 76 Resp: 142524
 Ion Ratio Lower Upper
 76 100
 78 30.3 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 127.133 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion: 63 Resp: 225348
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.4 33.6

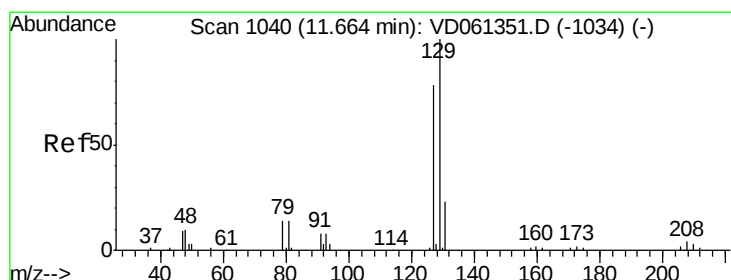
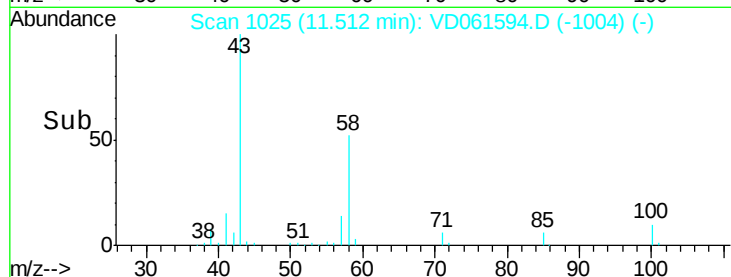
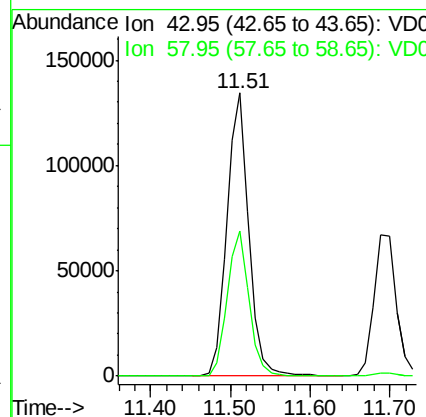
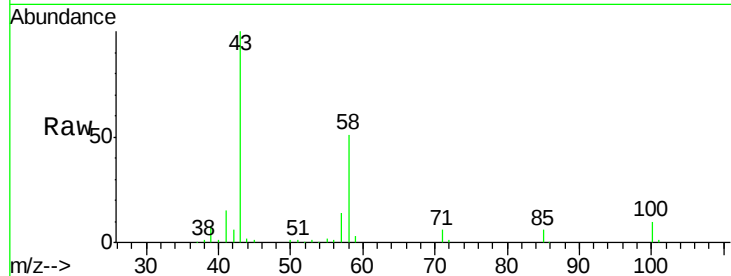




#59
2-Hexanone
Concen: 150.337 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

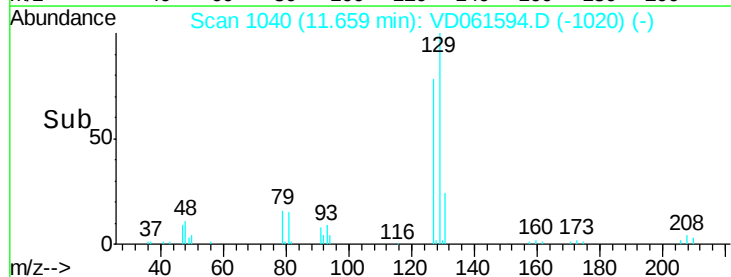
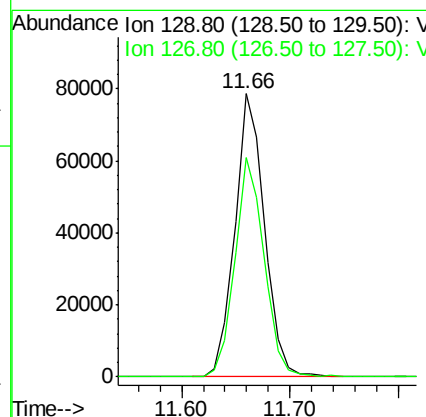
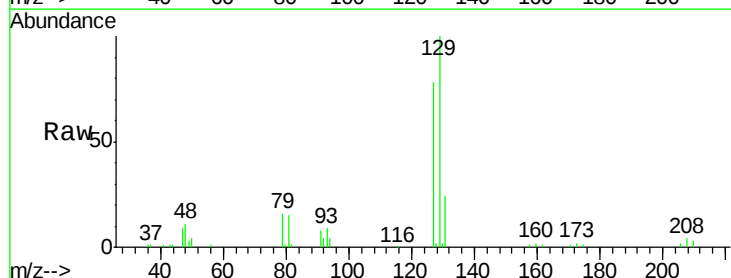
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 260919
Ion Ratio Lower Upper
43 100
58 51.5 26.3 78.9



#60
Dibromochloromethane
Concen: 28.576 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion: 129 Resp: 149257
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9

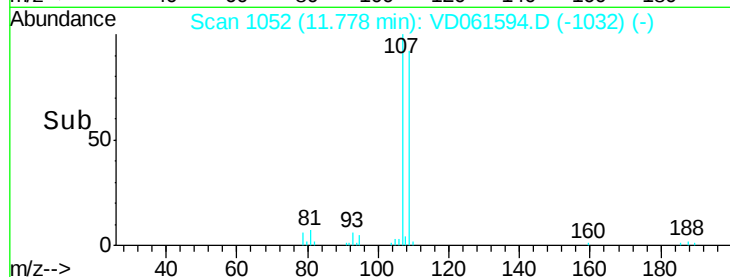
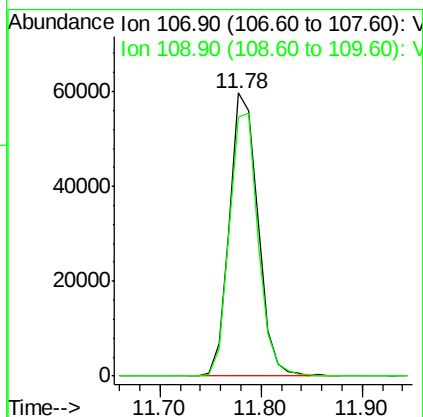
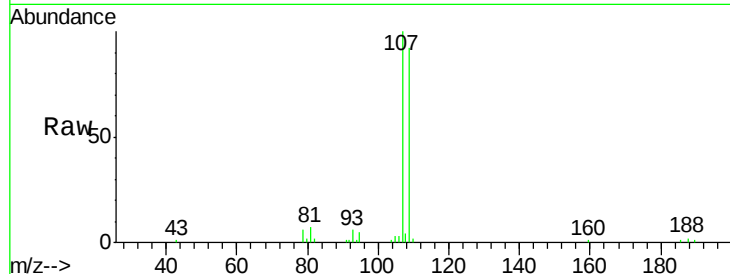




#61
 1,2-Dibromoethane
 Concen: 29.729 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

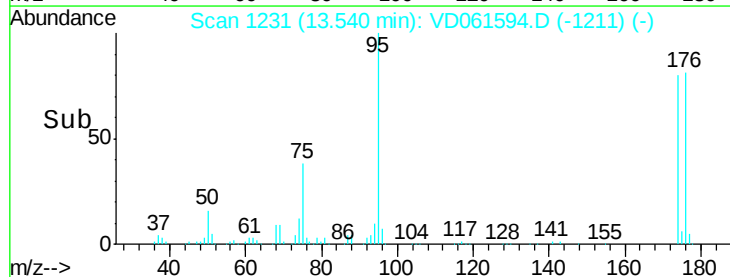
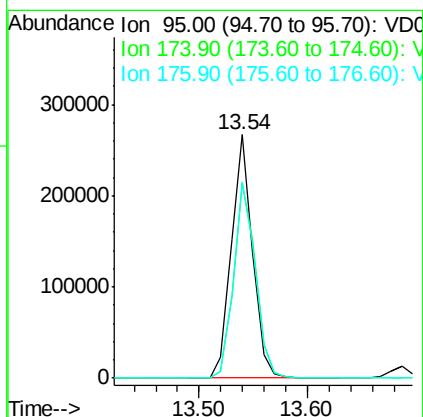
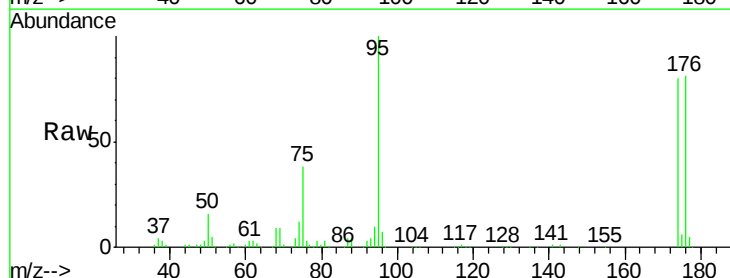
Instrument :
 MSVOA_D
 ClientSampleId :

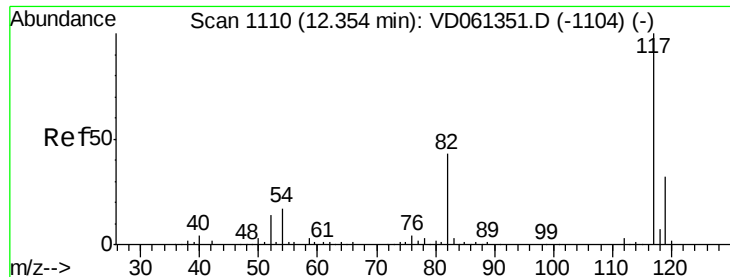
Tot Ion: 107 Resp: 116637
 Ion Ratio Lower Upper
 107 100
 109 91.6 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 29.729 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion: 95 Resp: 363711
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 178.0
 176 80.7 0.0 175.0

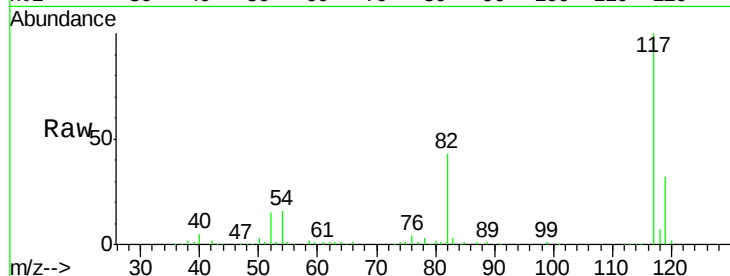




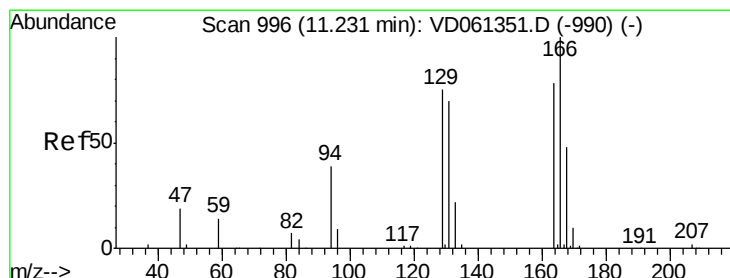
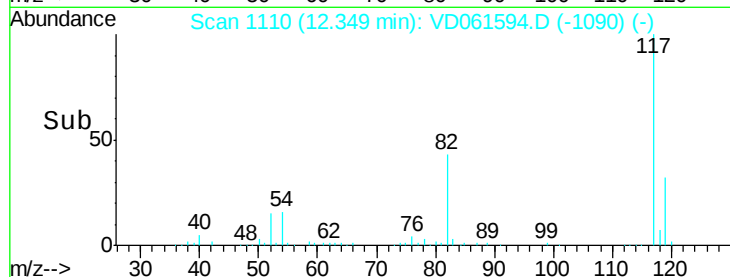
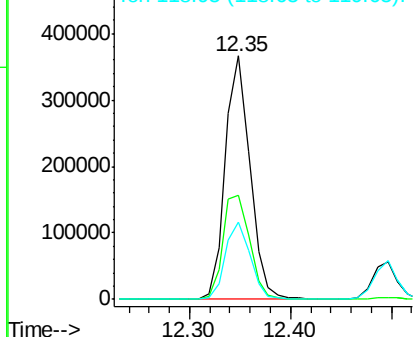
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 625019
Ion Ratio Lower Upper
117 100
82 42.5 34.4 51.6
119 31.6 25.8 38.6

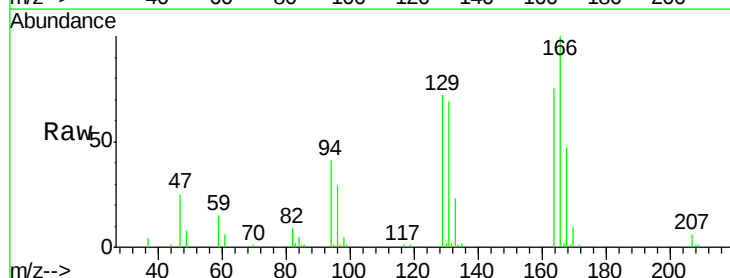


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

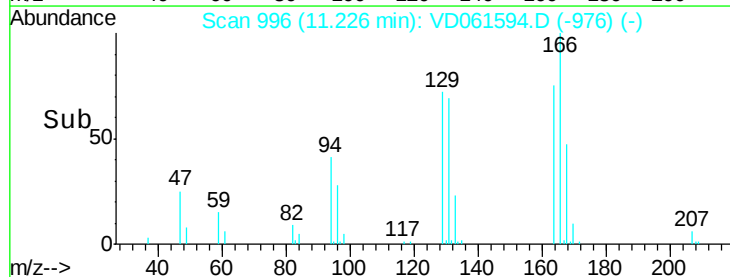
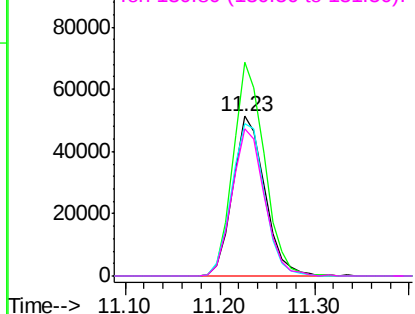


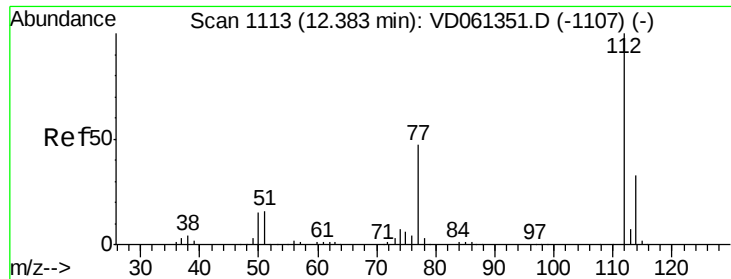
#64
Tetrachloroethene
Concen: 24.377 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion:164 Resp: 119576
Ion Ratio Lower Upper
164 100
166 133.6 102.4 153.6
129 95.6 76.8 115.2
131 91.8 71.8 107.6



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

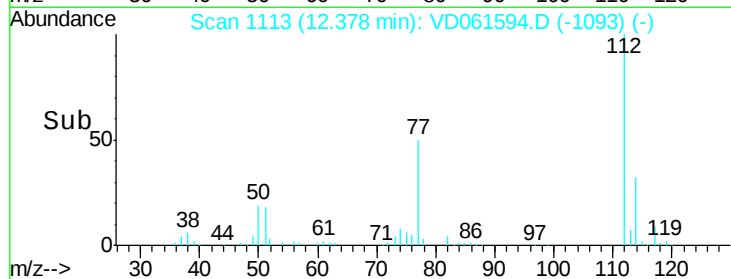
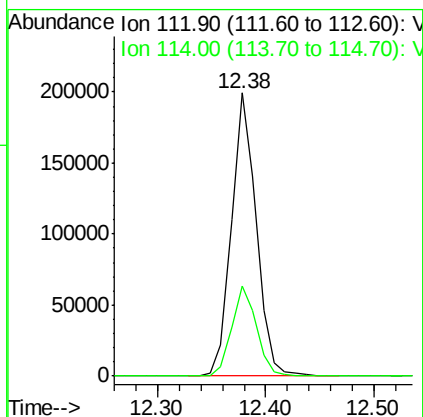
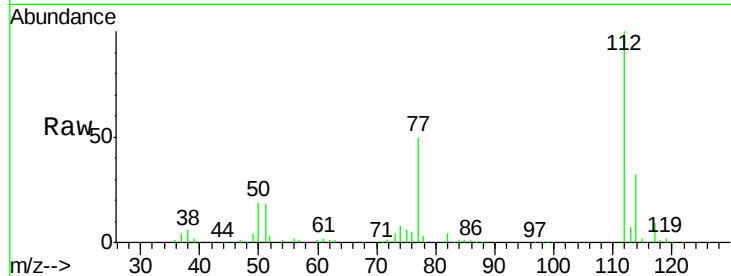




#65
Chlorobenzene
Concen: 24.846 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

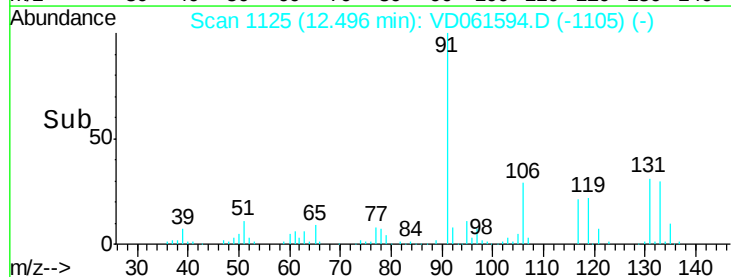
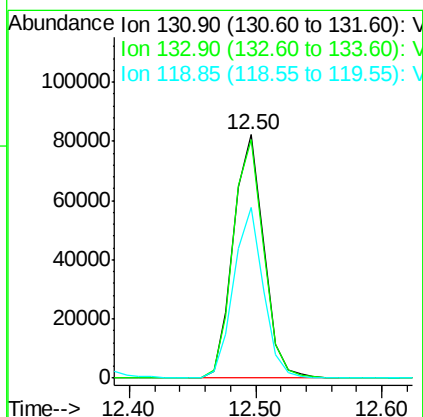
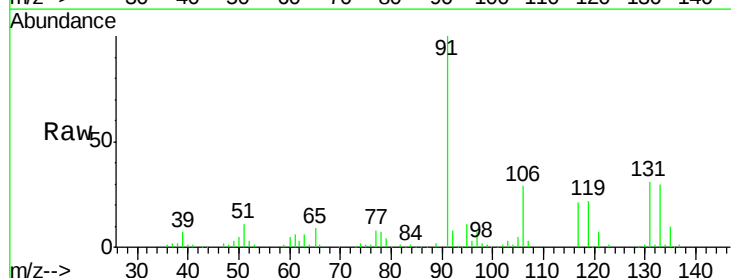
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 317363
Ion Ratio Lower Upper
112 100
114 31.8 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 27.666 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion:131 Resp: 136829
Ion Ratio Lower Upper
131 100
133 98.0 49.4 148.2
119 70.1 34.1 102.2

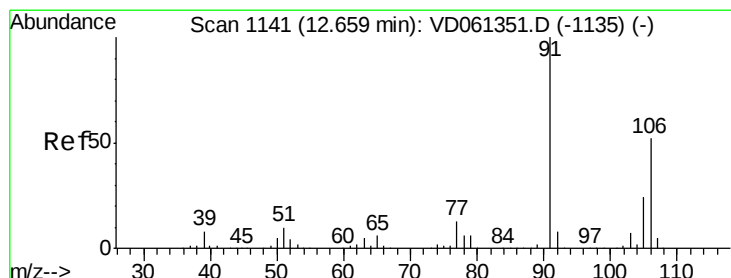
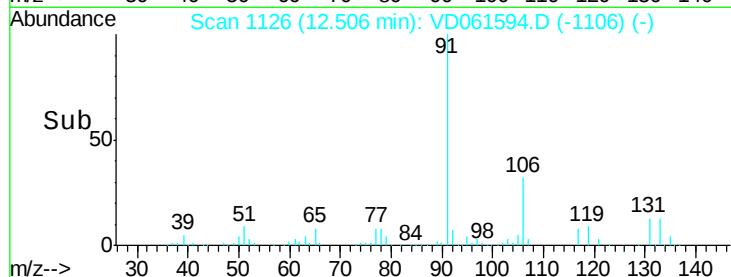
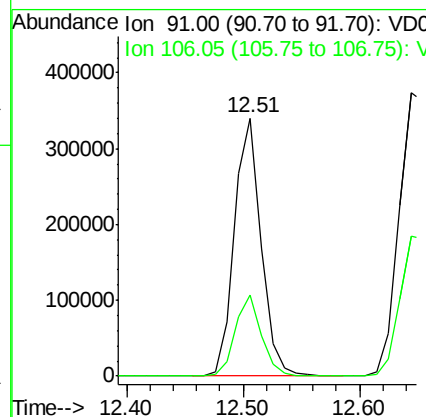
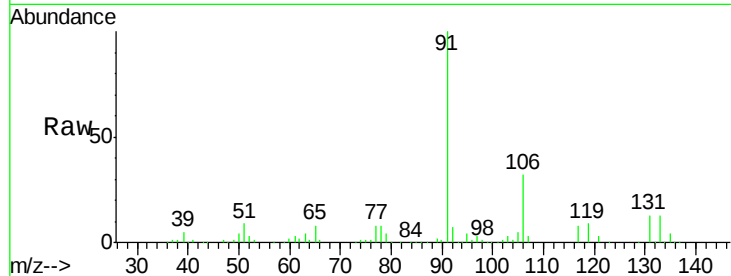




#67
Ethyl Benzene
Concen: 27.684 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

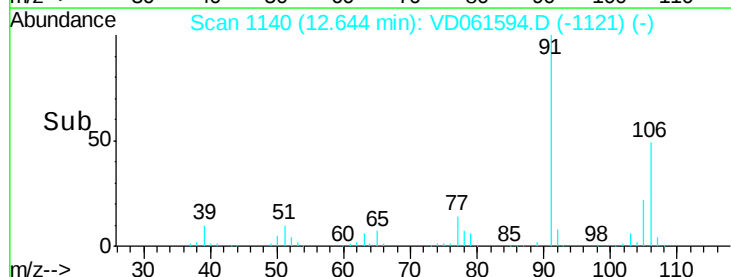
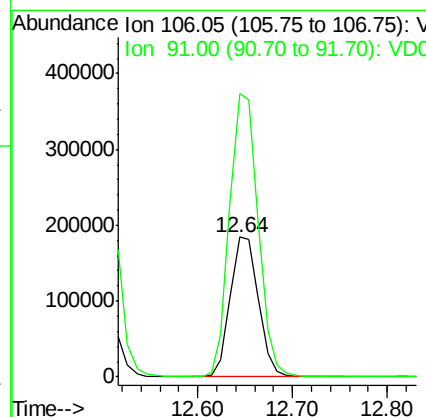
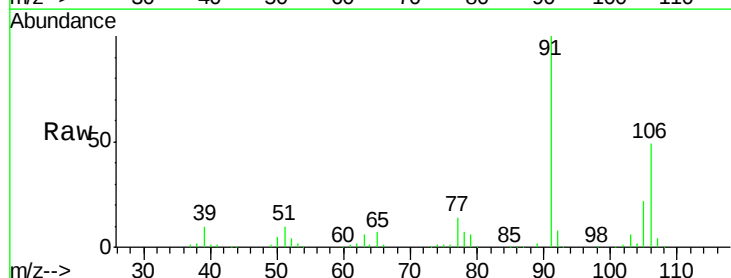
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 539756
Ion Ratio Lower Upper
91 100
106 31.6 26.1 39.1



#68
m/p-Xylenes
Concen: 51.497 ug/l
RT: 12.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion: 106 Resp: 380332
Ion Ratio Lower Upper
106 100
91 202.8 153.1 229.7

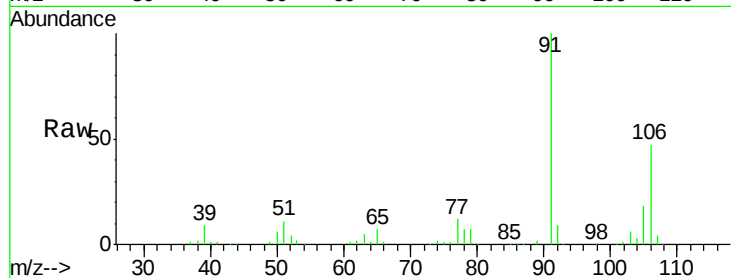




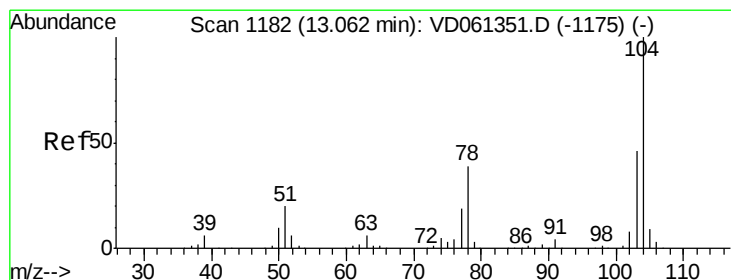
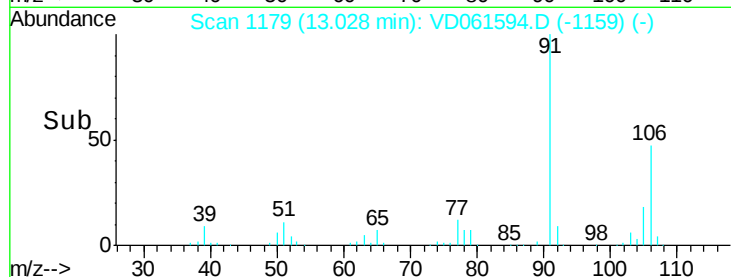
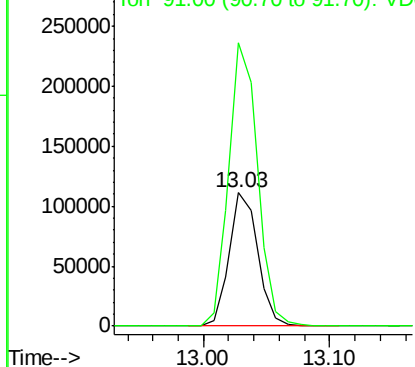
#69
o-Xylene
Concen: 24.261 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 173875
Ion Ratio Lower Upper
106 100
91 211.9 103.8 311.3

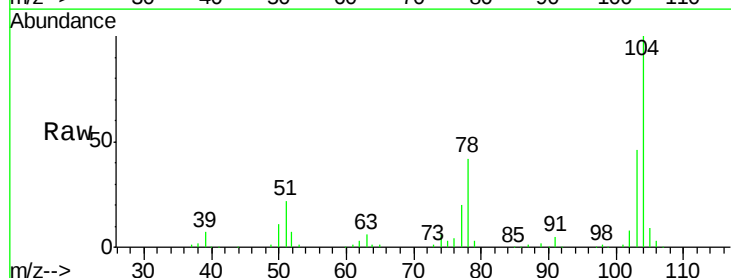


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

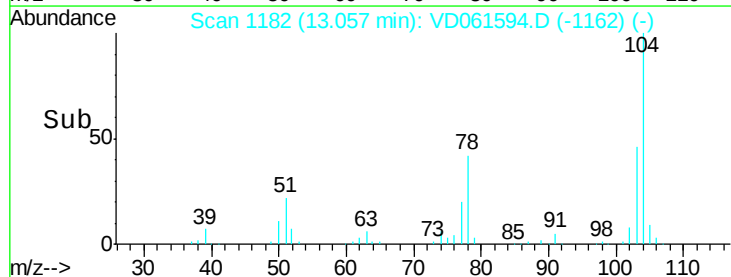
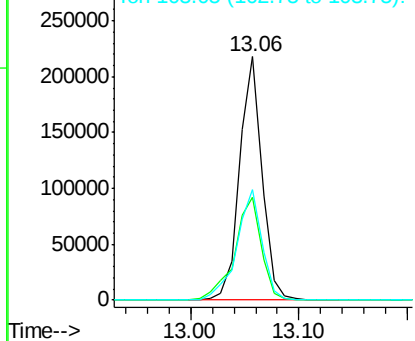


#70
Styrene
Concen: 25.107 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion:104 Resp: 313671
Ion Ratio Lower Upper
104 100
78 42.2 31.0 46.6
103 45.6 37.0 55.4



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

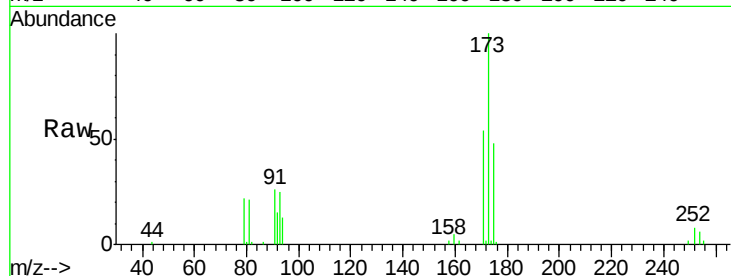




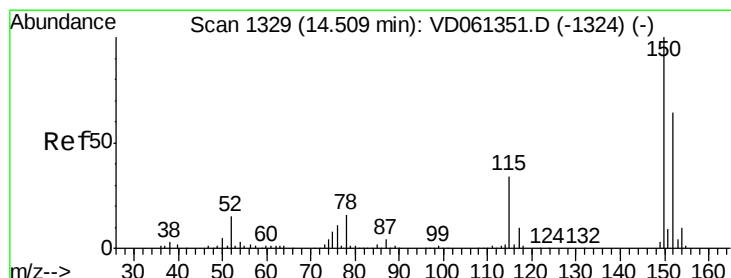
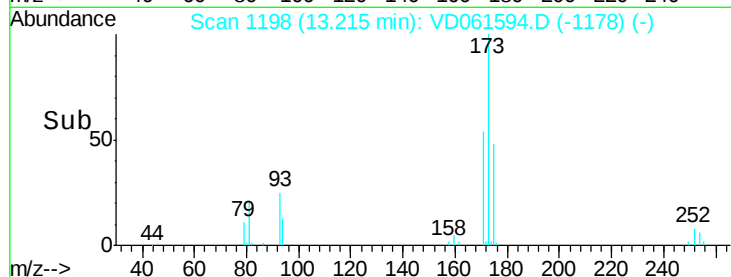
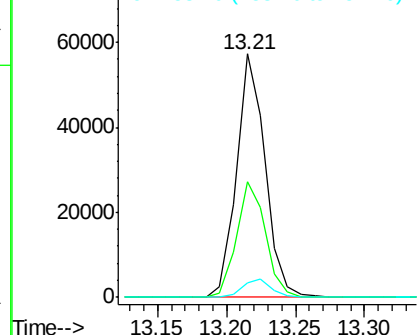
#71
Bromoform
Concen: 26.261 ug/l
RT: 13.21 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 82331
Ion Ratio Lower Upper
173 100
175 47.5 24.6 73.8
254 6.0 6.6 10.0#

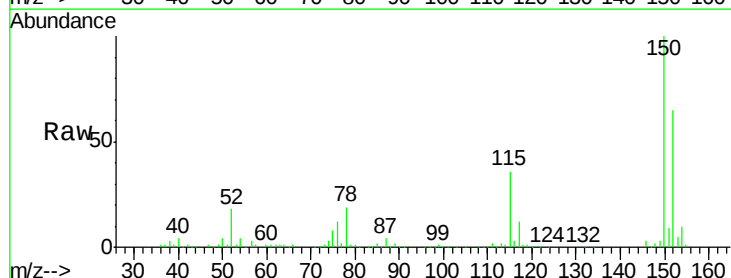


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

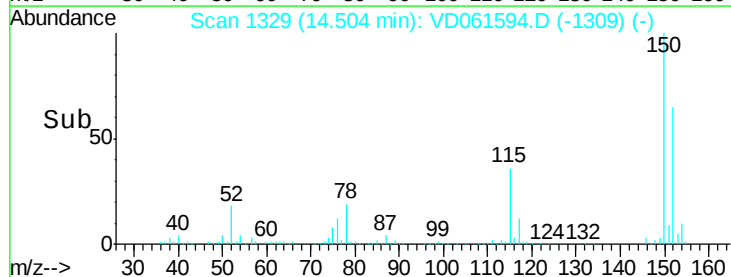
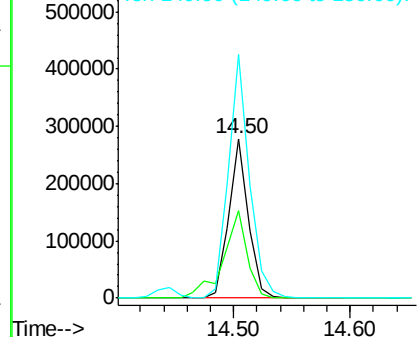


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion:152 Resp: 325905
Ion Ratio Lower Upper
152 100
115 54.7 26.9 80.6
150 152.9 0.0 318.0



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





#73

Isopropylbenzene

Concen: 23.288 ug/l

RT: 13.38 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

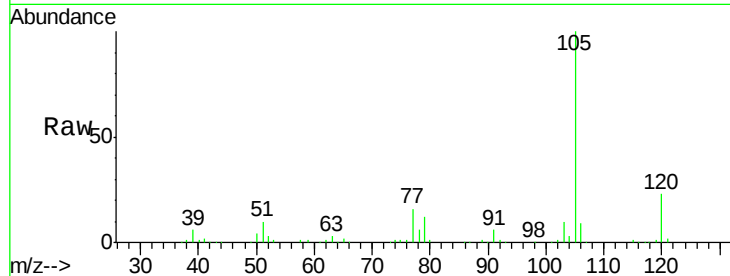
ClientSampleId :

Tot Ion:105 Resp: 528232

Ion Ratio Lower Upper

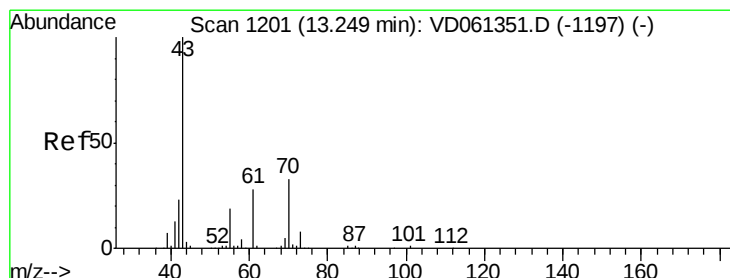
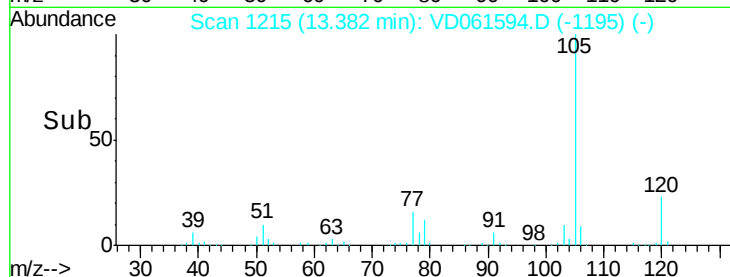
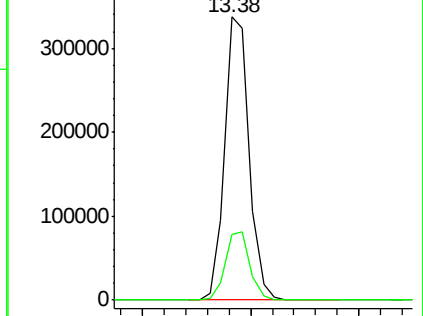
105 100

120 23.3 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.156 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Tgt Ion: 43 Resp: 139995

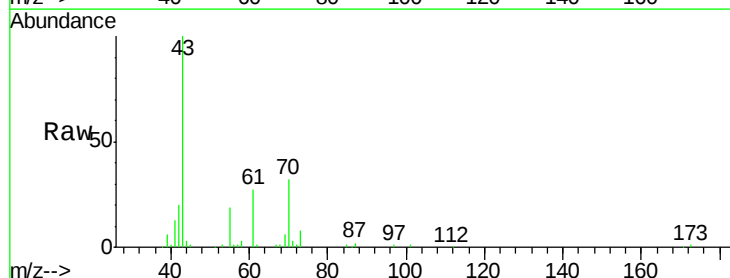
Ion Ratio Lower Upper

43 100

70 32.1 26.6 40.0

55 19.4 15.4 23.2

61 27.4 22.2 33.4

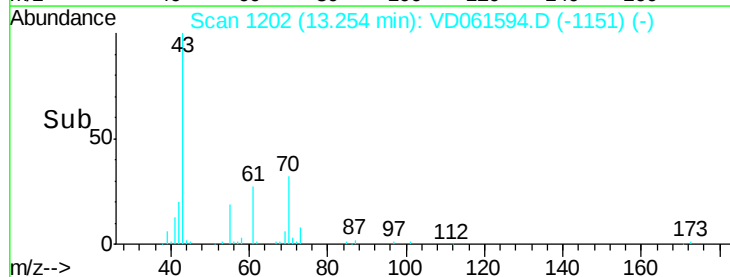
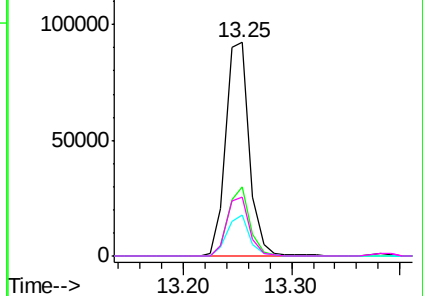


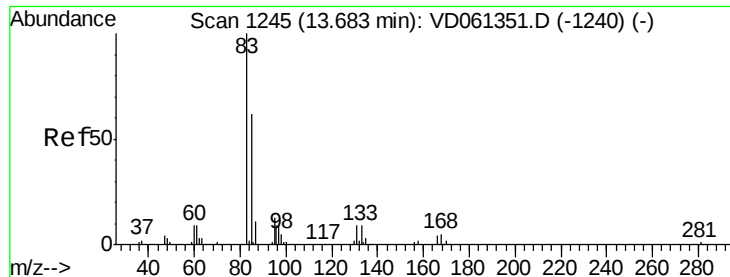
Abundance Ion 42.95 (42.65 to 43.65): V

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: 23.390 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

ClientSampleId :

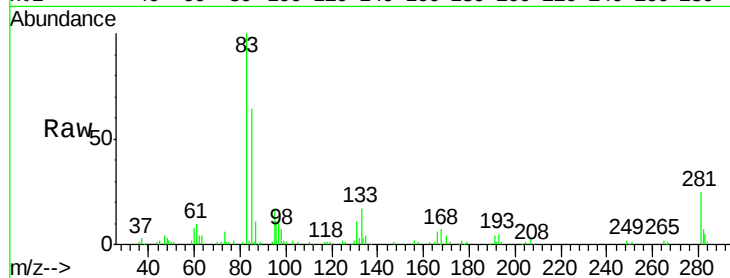
Tot Ion: 83 Resp: 111921

Ion Ratio Lower Upper

83 100

131 11.3 4.3 13.1

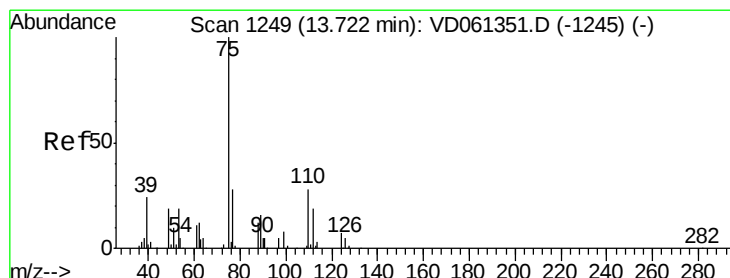
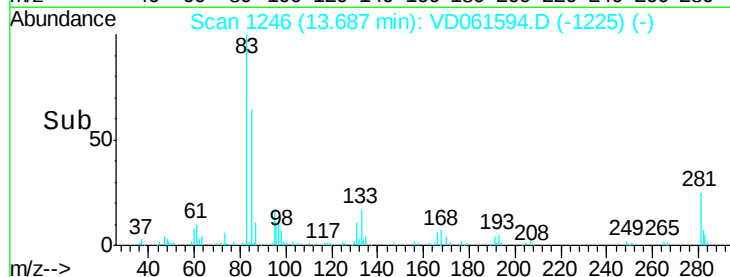
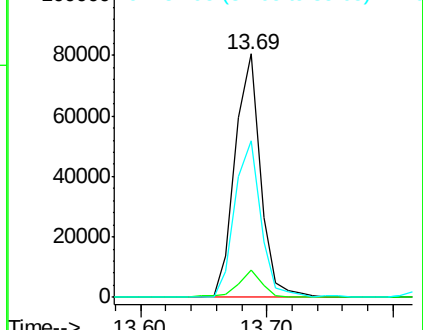
85 64.4 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 24.487 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061594.D

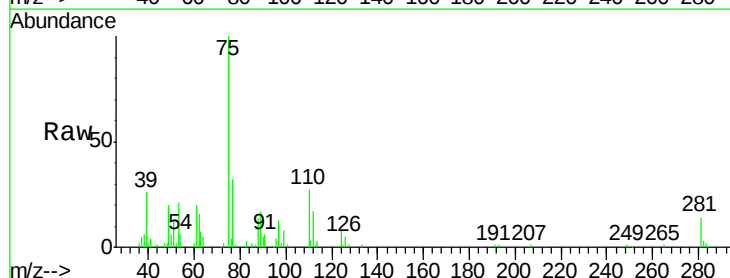
Acq: 4 Apr 2019 22:18

Tgt Ion: 75 Resp: 115279

Ion Ratio Lower Upper

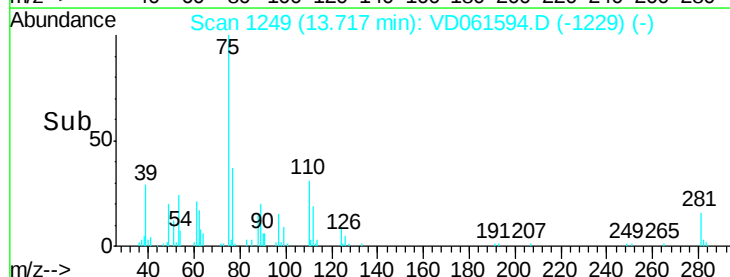
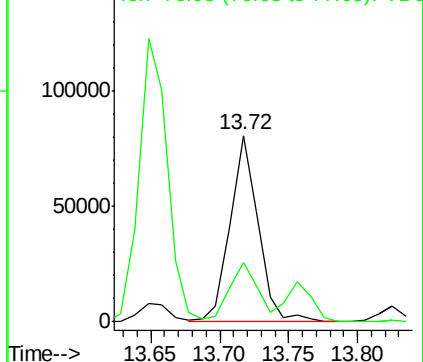
75 100

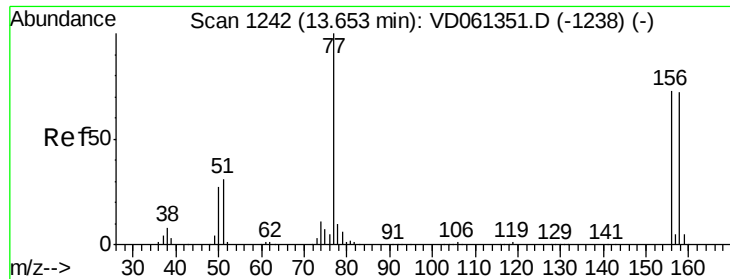
77 32.2 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.899 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

ClientSampleId :

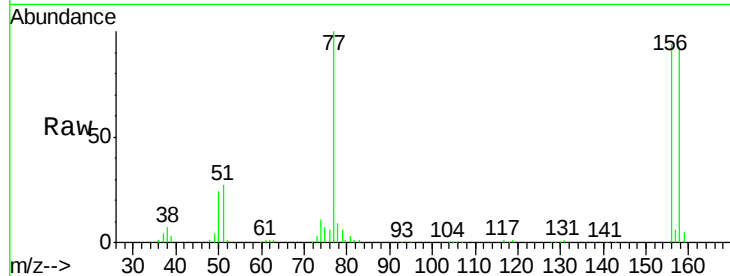
Tot Ion:156 Resp: 140537

Ion Ratio Lower Upper

156 100

77 106.0 68.5 205.6

158 98.7 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

150000

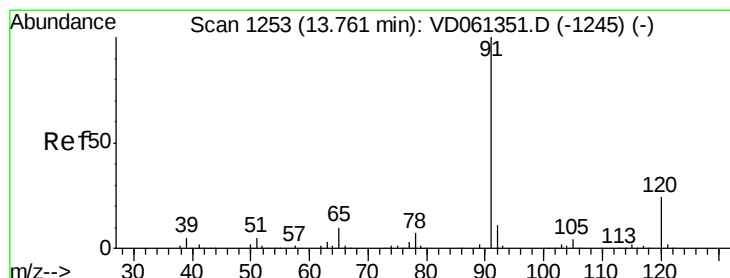
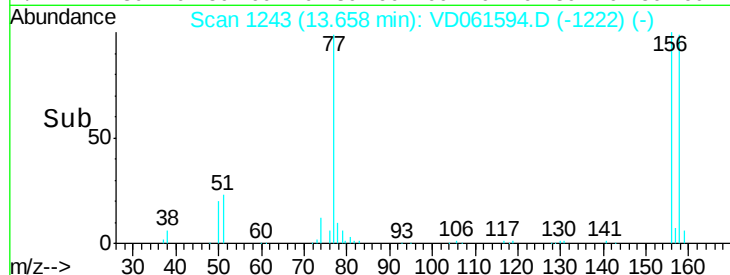
100000

50000

0

13.60 13.65 13.70 13.75

Time-->



#78

n-propylbenzene

Concen: 22.525 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061594.D

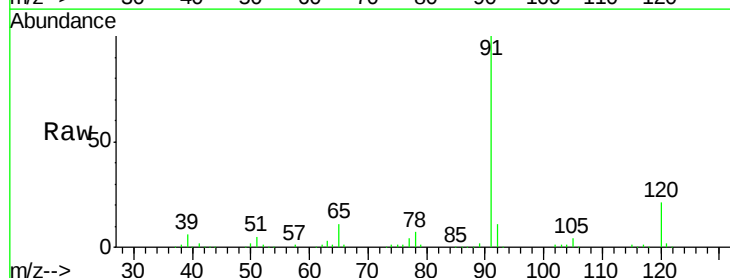
Acq: 4 Apr 2019 22:18

Tgt Ion: 91 Resp: 625255

Ion Ratio Lower Upper

91 100

120 21.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

500000

400000

300000

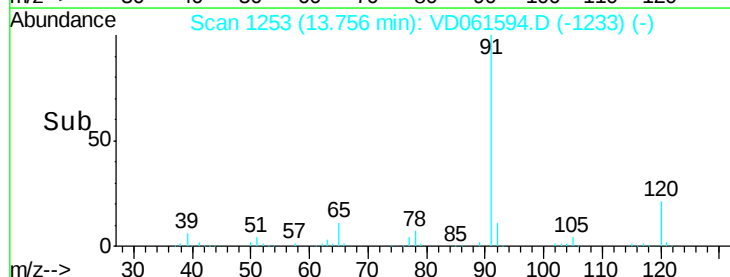
200000

100000

0

13.70 13.75 13.80

Time-->





#79

2-Chlorotoluene

Concen: 23.078 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

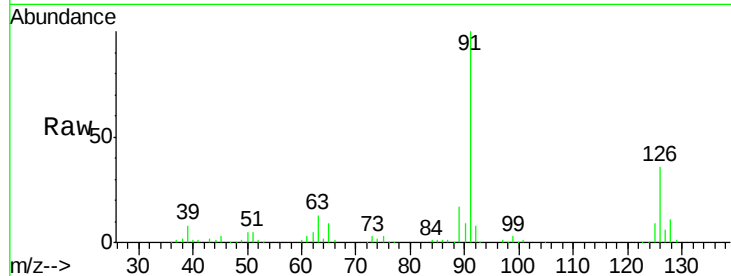
ClientSampleId :

Tot Ion: 91 Resp: 347839

Ion Ratio Lower Upper

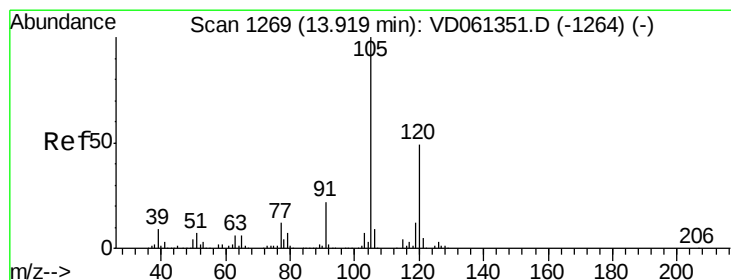
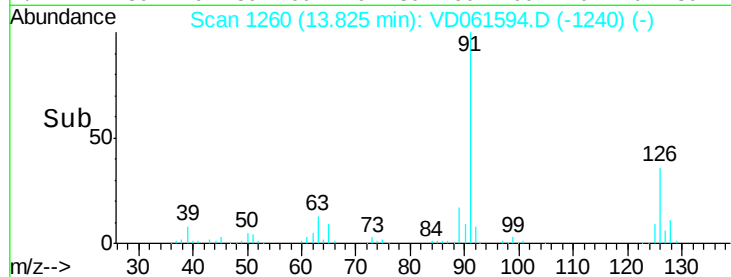
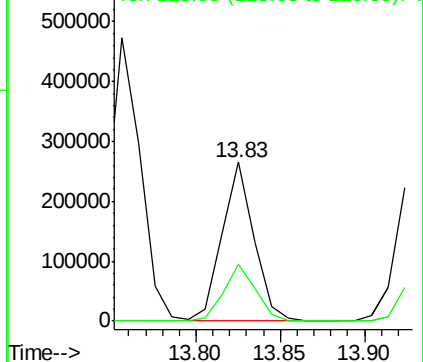
91 100

126 35.9 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 25.363 ug/l

RT: 13.91 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD061594.D

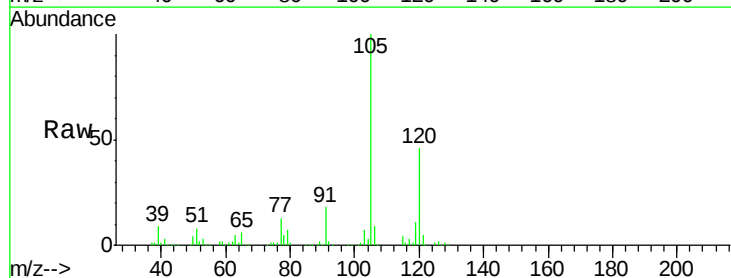
Acq: 4 Apr 2019 22:18

Tgt Ion:105 Resp: 446361

Ion Ratio Lower Upper

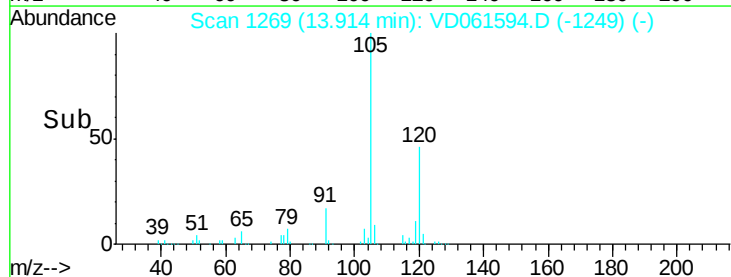
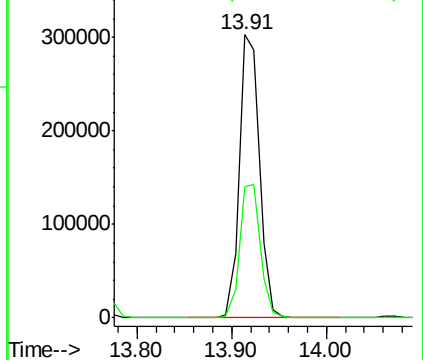
105 100

120 46.2 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 23.867 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

ClientSampleId :

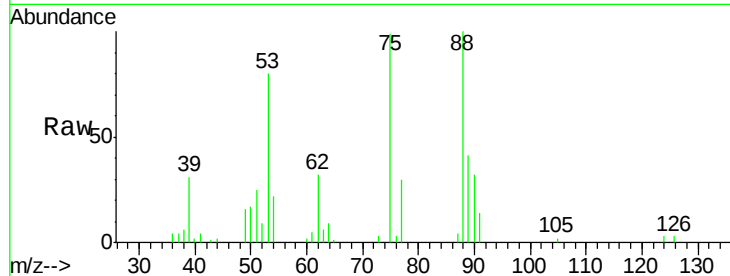
Tot Ion: 75 Resp: 34259

Ion Ratio Lower Upper

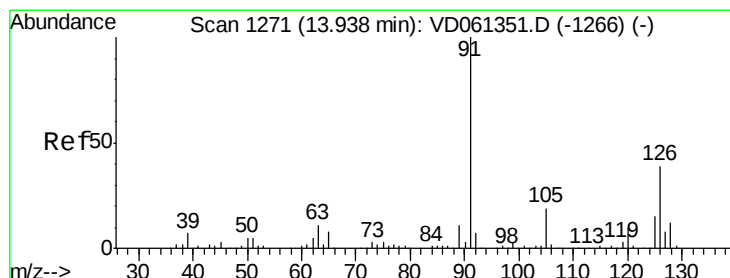
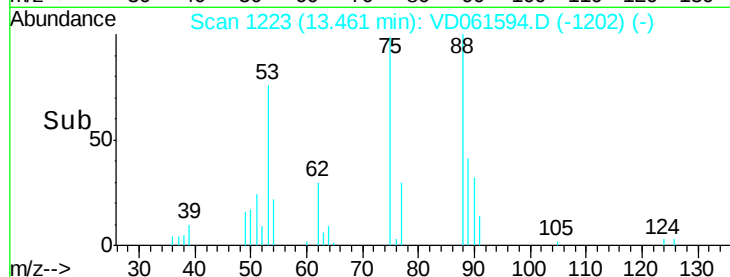
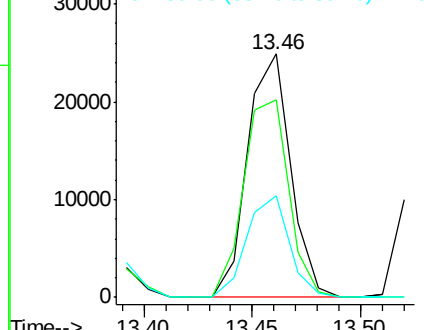
75 100

53 81.0 63.8 95.8

89 41.7 30.5 45.7



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



#82

4-Chlorotoluene

Concen: 27.122 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061594.D

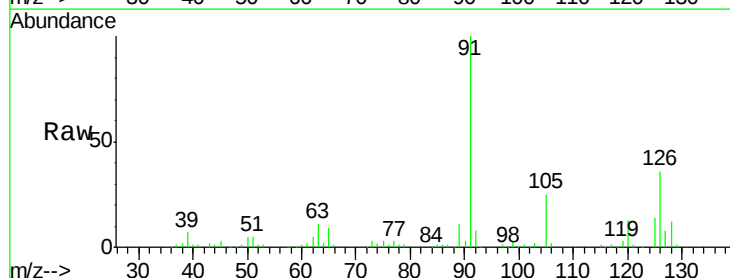
Acq: 4 Apr 2019 22:18

Tgt Ion: 91 Resp: 444485

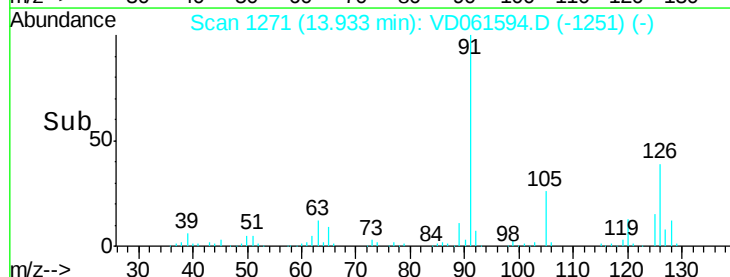
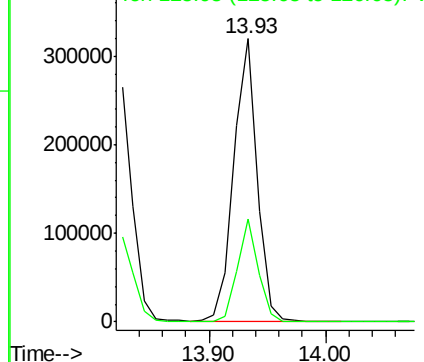
Ion Ratio Lower Upper

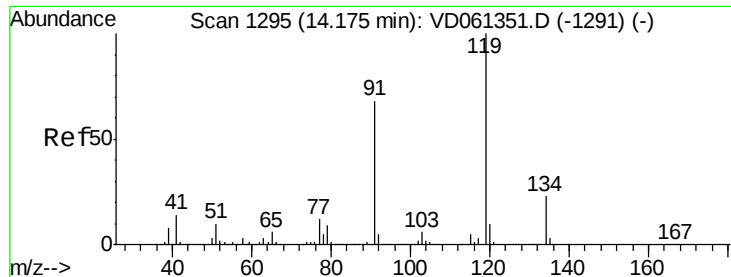
91 100

126 36.4 19.6 58.8



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

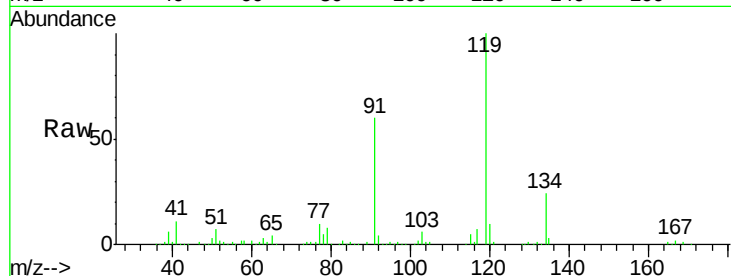




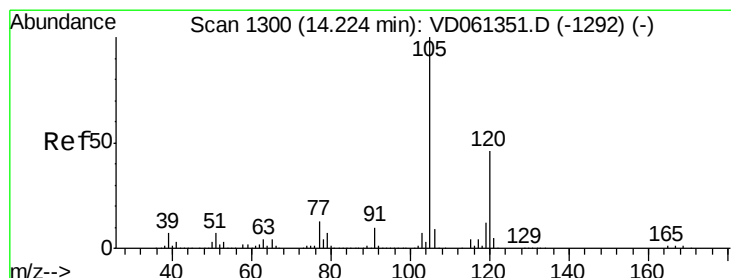
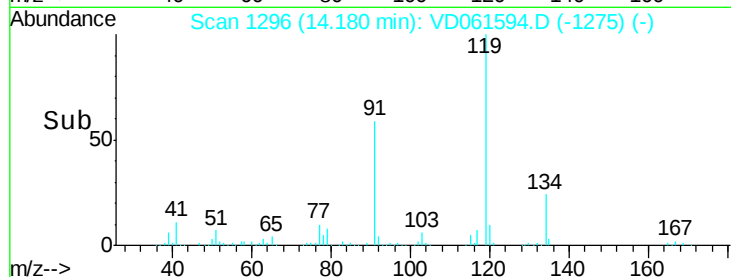
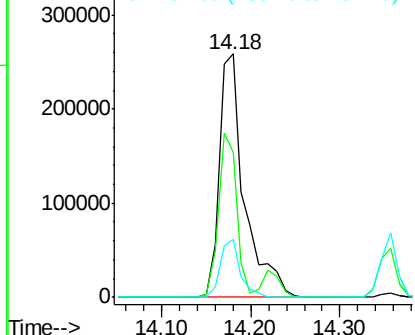
#83
tert-Butylbenzene
Concen: 23.122 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 508538
Ion Ratio Lower Upper
119 100
91 59.7 34.1 102.3
134 24.1 11.6 34.8

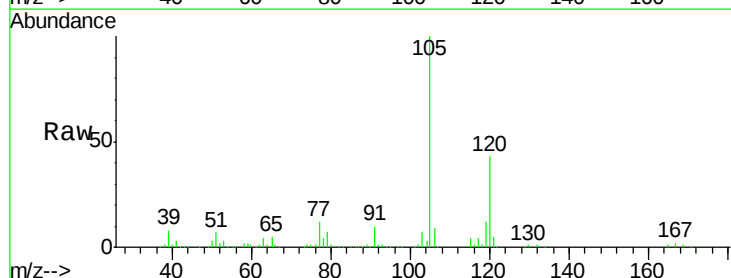


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

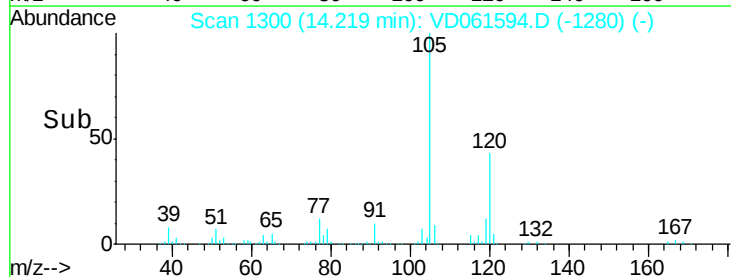
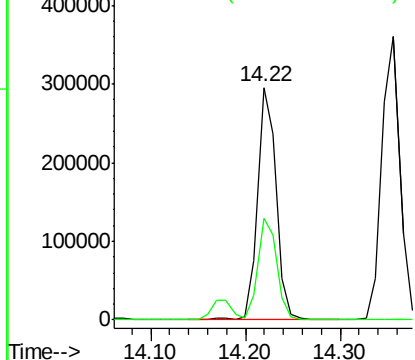


#84
1,2,4-Trimethylbenzene
Concen: 21.136 ug/l
RT: 14.22 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion:105 Resp: 402713
Ion Ratio Lower Upper
105 100
120 43.4 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 20.592 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

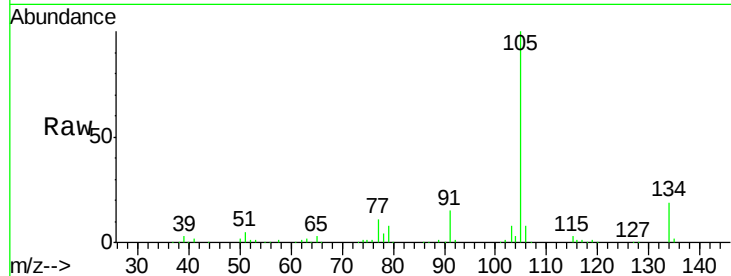
ClientSampleId :

Tot Ion:105 Resp: 481130

Ion Ratio Lower Upper

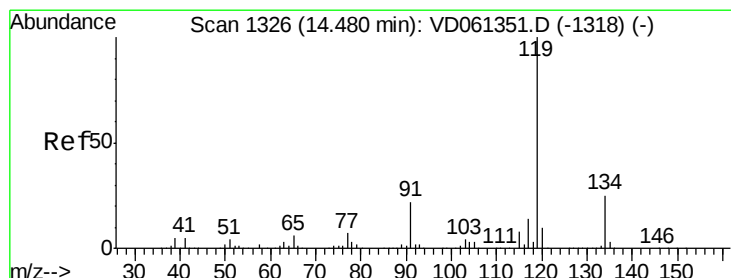
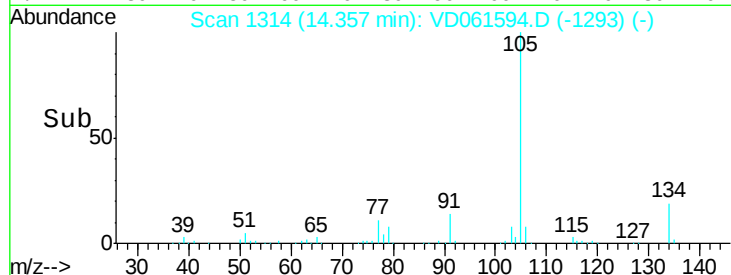
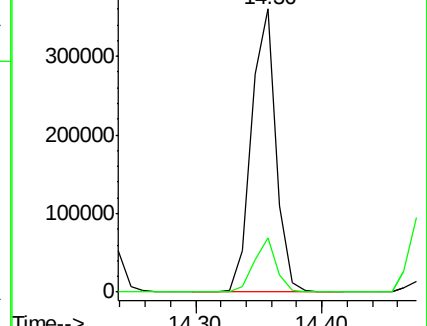
105 100

134 19.1 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 24.386 ug/l

RT: 14.47 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

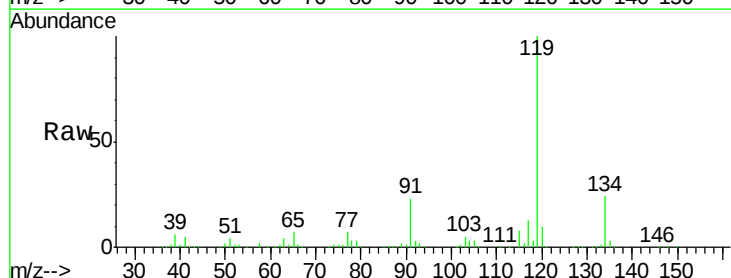
Tgt Ion:119 Resp: 481805

Ion Ratio Lower Upper

119 100

134 23.8 12.3 36.8

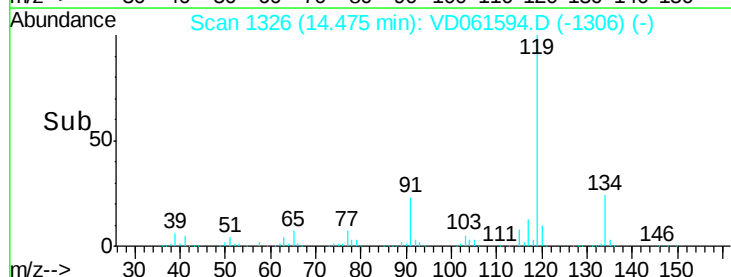
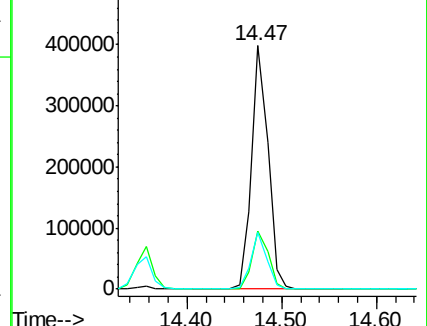
91 23.2 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

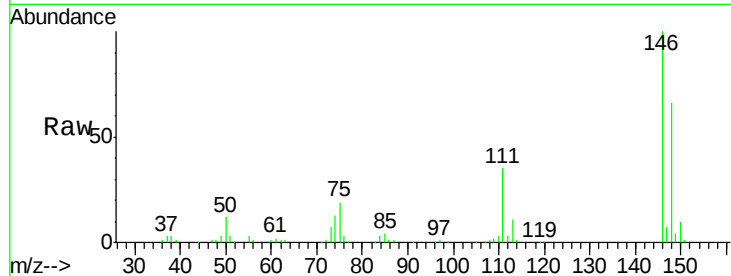




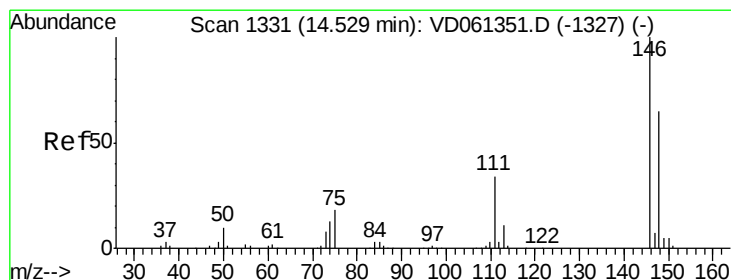
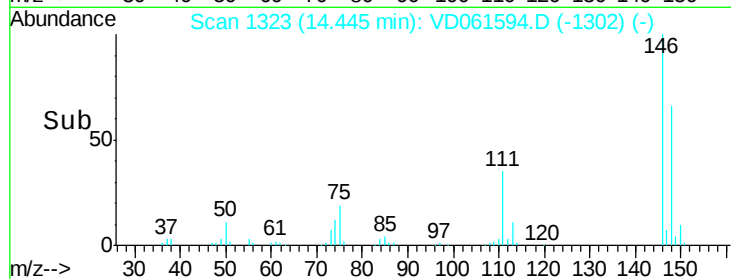
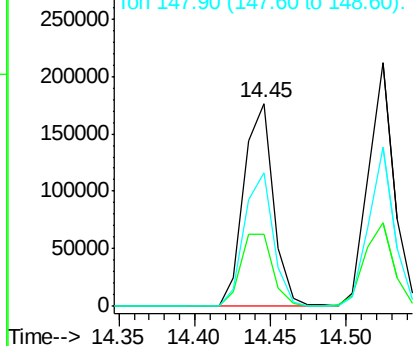
#87
 1,3-Dichlorobenzene
 Concen: 21.055 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 239757
 Ion Ratio Lower Upper
 146 100
 111 35.3 20.6 61.9
 148 65.6 31.1 93.3

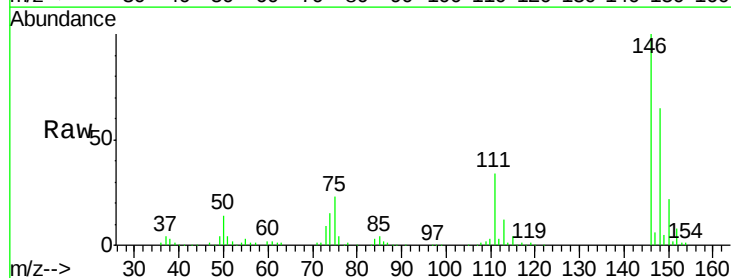


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

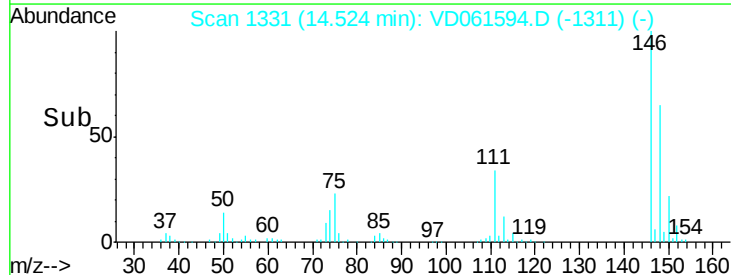
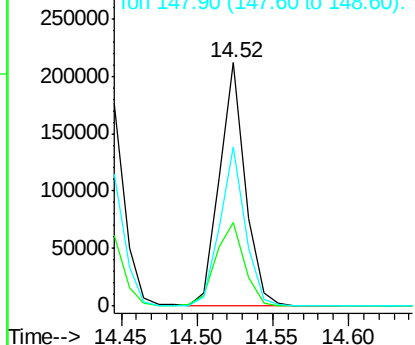


#88
 1,4-Dichlorobenzene
 Concen: 22.680 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion:146 Resp: 251860
 Ion Ratio Lower Upper
 146 100
 111 34.5 16.8 50.4
 148 65.3 32.6 98.0



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





#89

n-Butylbenzene

Concen: 19.564 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD061594.D

Acq: 4 Apr 2019 22:18

Instrument :

MSVOA_D

ClientSampleId :

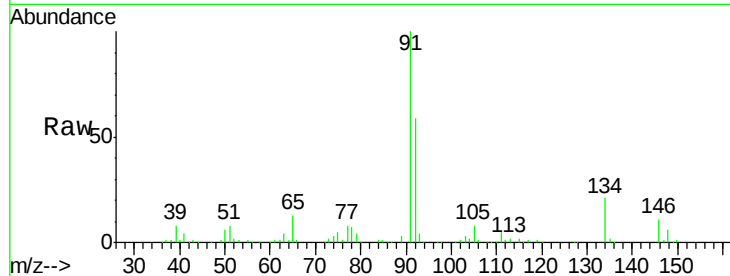
Tot Ion: 91 Resp: 354775

Ion Ratio Lower Upper

91 100

92 58.5 30.3 91.0

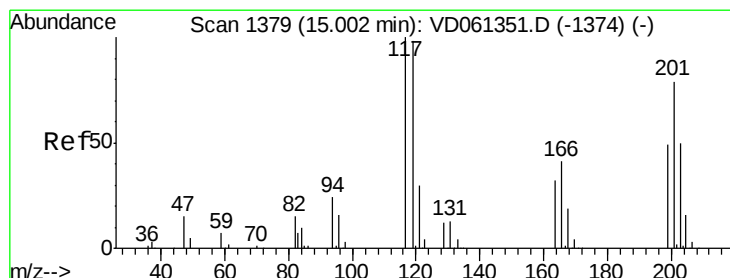
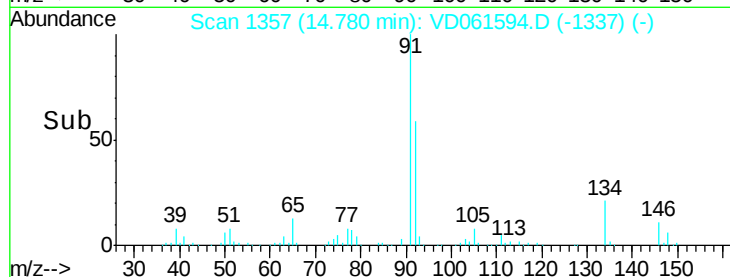
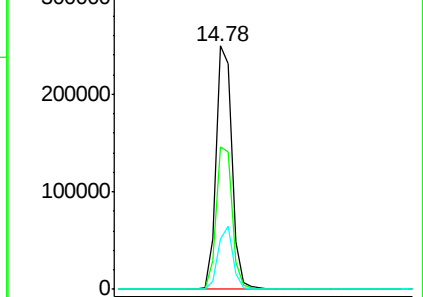
134 20.8 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.423 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061594.D

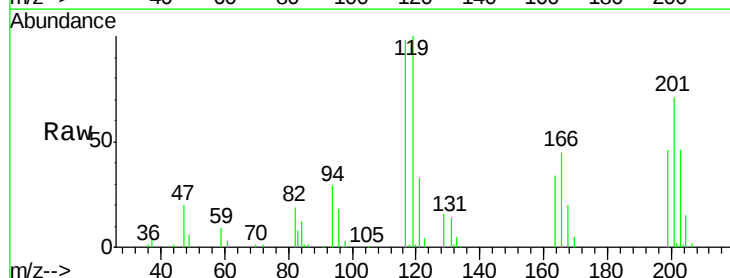
Acq: 4 Apr 2019 22:18

Tgt Ion: 117 Resp: 108416

Ion Ratio Lower Upper

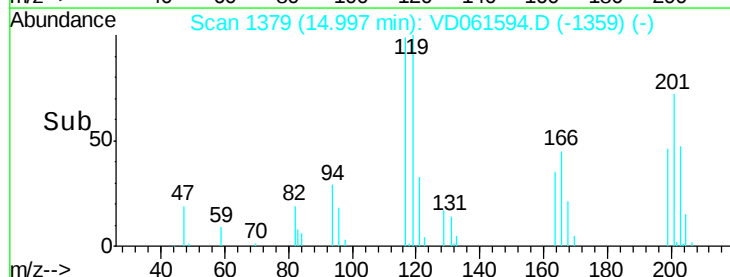
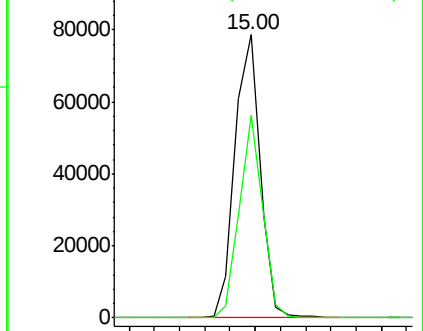
117 100

201 71.7 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

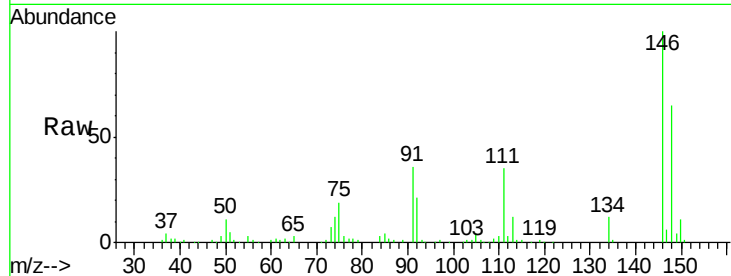




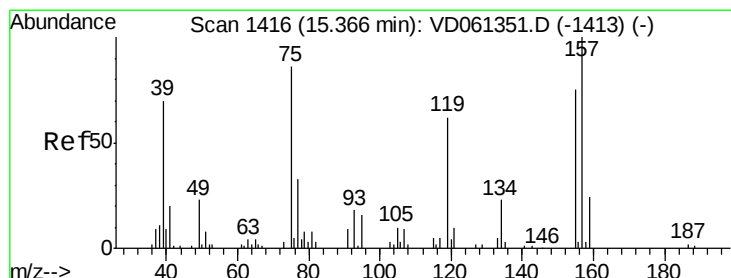
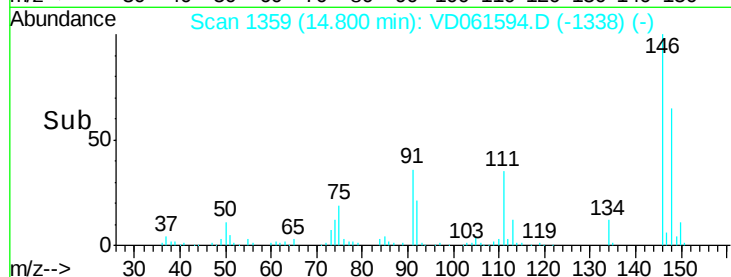
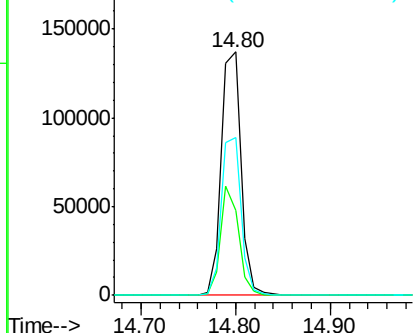
#91
 1,2-Dichlorobenzene
 Concen: 21.365 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 199553
 Ion Ratio Lower Upper
 146 100
 111 35.0 21.2 63.6
 148 64.7 31.6 95.0

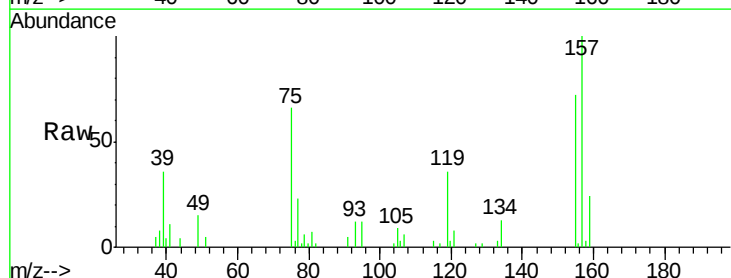


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

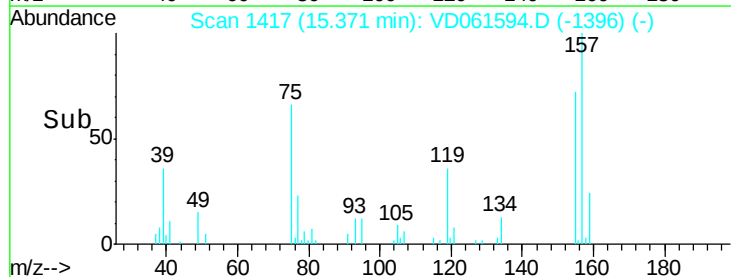
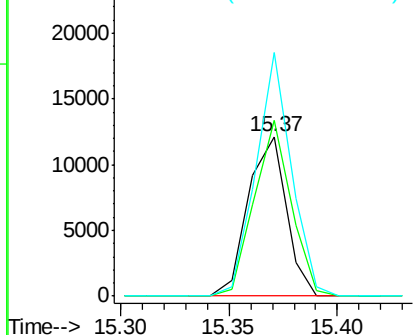


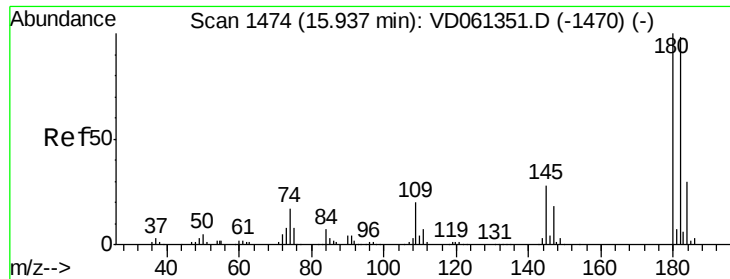
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.326 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion: 75 Resp: 14774
 Ion Ratio Lower Upper
 75 100
 155 110.1 43.6 130.9
 157 152.6 58.5 175.3



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

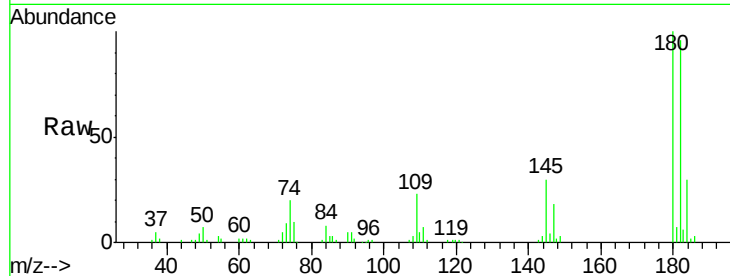




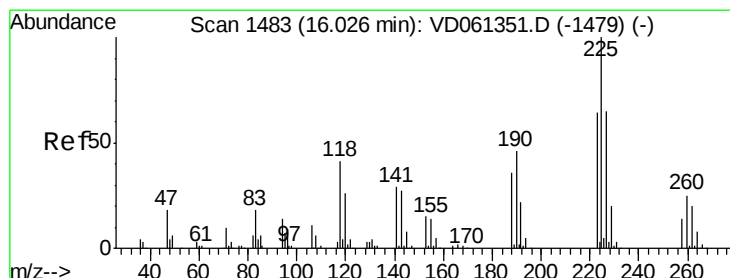
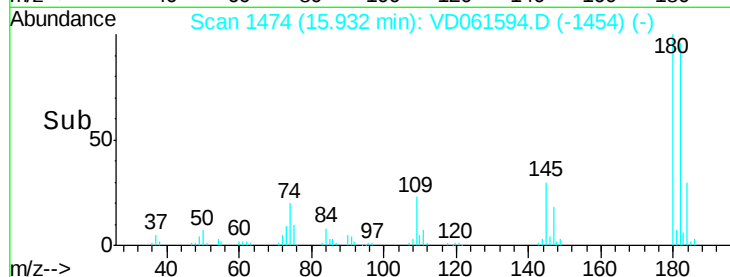
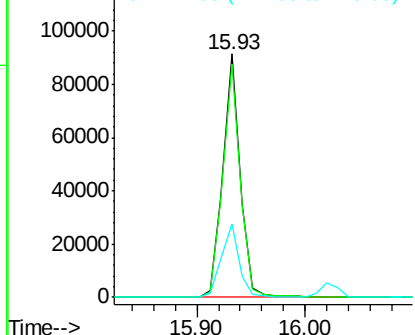
#93
 1,2,4-Trichlorobenzene
 Concen: 24.009 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 102155
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.9 146.8
 145 30.2 14.1 42.3

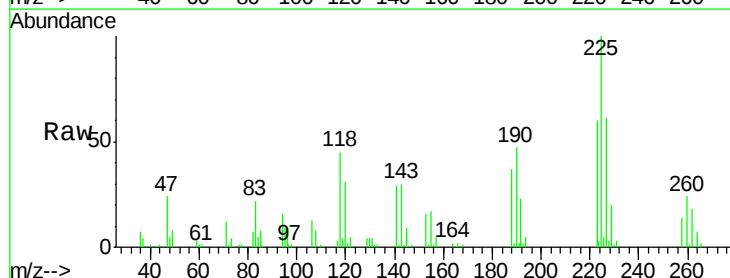


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

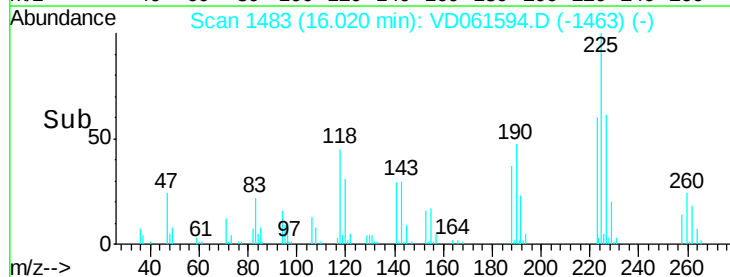
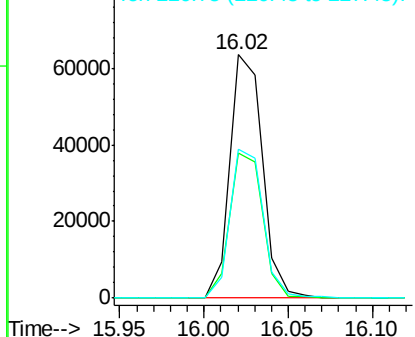


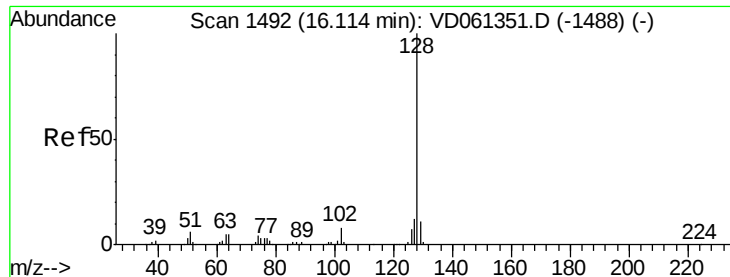
#94
 Hexachlorobutadiene
 Concen: 25.571 ug/l
 RT: 16.02 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD061594.D
 Acq: 4 Apr 2019 22:18

Tgt Ion:225 Resp: 85018
 Ion Ratio Lower Upper
 225 100
 223 59.7 32.0 96.0
 227 61.3 32.4 97.2



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

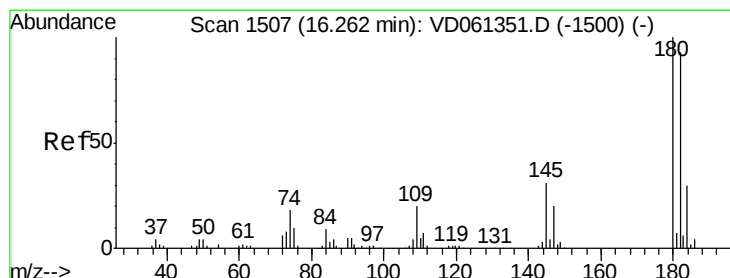
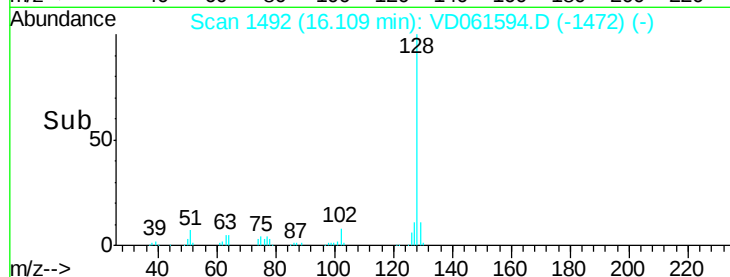
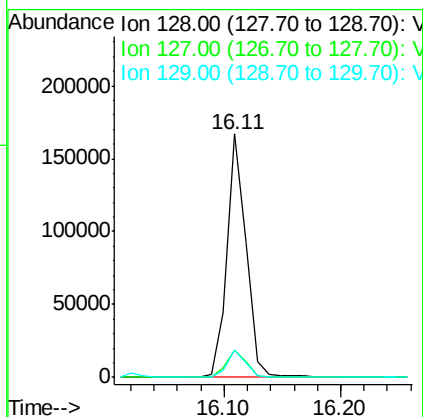
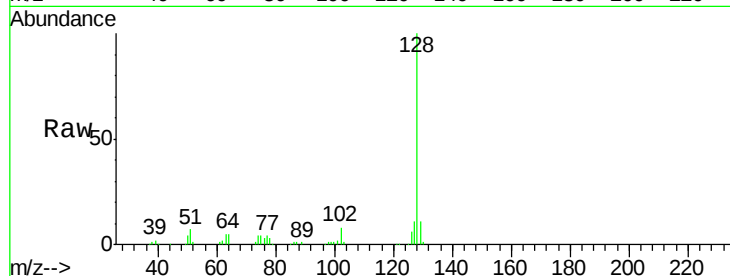




#95
Naphthalene
Concen: 29.428 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 190856
Ion Ratio Lower Upper
128 100
127 11.2 9.9 14.9
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 32.123 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061594.D
Acq: 4 Apr 2019 22:18

Tgt Ion:180 Resp: 60145
Ion Ratio Lower Upper
180 100
182 95.8 46.4 139.1
145 31.9 15.3 45.9

