

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060981.D
 Acq On : 8 Mar 2019 13:58
 Operator : VA/AP
 Sample : VD0308SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

Quant Time: Mar 08 22:04:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	749016	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1321205	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1101373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	461946	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	301323	48.33	ug/l	0.00
Spiked Amount						
			Recovery	=		96.66%
35) Dibromofluoromethane	6.91	113	466580	47.59	ug/l	-0.01
Spiked Amount						
			Recovery	=		95.18%
50) Toluene-d8	10.40	98	1145894	46.54	ug/l	0.00
Spiked Amount						
			Recovery	=		93.08%
62) 4-Bromofluorobenzene	13.55	95	445921	46.67	ug/l	0.00
Spiked Amount						
			Recovery	=		93.34%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	153744	20.722	ug/l	99
3) Chloromethane	1.76	50	136595	22.100	ug/l	99
4) Vinyl Chloride	1.85	62	123201	21.572	ug/l	98
5) Bromomethane	2.15	94	17645	14.866	ug/l	97
6) Chloroethane	2.27	64	28847	16.875	ug/l	91
7) Trichlorofluoromethane	2.53	101	175420	21.382	ug/l	98
8) Diethyl Ether	2.88	74	60943	22.517	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	183754	20.033	ug/l	99
10) Methyl Iodide	3.31	142	231780	20.206	ug/l	98
11) Tert butyl alcohol	4.07	59	33253	83.779	ug/l	99
12) 1,1-Dichloroethene	3.12	96	155922	20.738	ug/l	96
13) Acrolein	3.04	56	58959	102.663	ug/l	97
14) Allyl chloride	3.62	41	239316	19.894	ug/l	98
15) Acrylonitrile	4.19	53	149116	106.298	ug/l	98
16) Acetone	3.22	43	163192	91.533	ug/l	99
17) Carbon Disulfide	3.37	76	497380	19.611	ug/l	99
18) Methyl Acetate	3.64	43	66584	18.977	ug/l	92
19) Methyl tert-butyl Ether	4.24	73	277285	21.044	ug/l	96
20) Methylene Chloride	3.81	84	168496	17.716	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	171888	21.122	ug/l	94
22) Diisopropyl ether	5.11	45	508025	20.343	ug/l	98
23) Vinyl Acetate	5.04	43	1310777	102.249	ug/l	100
24) 1,1-Dichloroethane	4.97	63	281276	20.557	ug/l	100
25) 2-Butanone	6.06	43	211694	104.640	ug/l	100
26) 2,2-Dichloropropane	6.02	77	216779	20.295	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	187836	21.755	ug/l	99
28) Bromochloromethane	6.43	49	107945	18.636	ug/l	97
29) Tetrahydrofuran	6.44	42	103119	93.871	ug/l	98
30) Chloroform	6.66	83	265102	18.695	ug/l	99
31) Cyclohexane	6.94	56	244477	22.160	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	246026	20.067	ug/l	94
36) 1,1-Dichloropropene	7.14	75	217321	19.082	ug/l	100
37) Ethyl Acetate	6.17	43	93992	17.587	ug/l	98
38) Carbon Tetrachloride	7.10	117	231889	18.485	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	224427	19.005	ug/l	97
40) Benzene	7.45	78	548385	19.270	ug/l	99
41) Methacrylonitrile	6.44	41	114232	18.583	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	155156	18.788	ug/l	100
43) Isopropyl Acetate	9.23	43	147603	19.941	ug/l #	97
44) Trichloroethene	8.53	130	189226	19.274	ug/l	98
45) 1,2-Dichloropropane	8.93	63	142610	19.075	ug/l	98
46) Dibromomethane	9.05	93	96065	20.257	ug/l	95
47) Bromodichloromethane	9.37	83	205500	19.202	ug/l	98
48) Methyl methacrylate	9.11	41	79755	19.137	ug/l	98
49) 1,4-Dioxane	9.07	88	17948	425.894	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	410650	90.558	ug/l	99
52) Toluene	10.50	92	347835	19.656	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	189927	19.409	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	232506	19.775	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	120143	20.387	ug/l	97
56) Ethyl methacrylate	11.03	69	123228	19.977	ug/l	98
57) 1,3-Dichloropropane	11.39	76	186733	21.204	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	315215	96.542	ug/l	99
59) 2-Hexanone	11.52	43	325142	98.020	ug/l	99
60) Dibromochloromethane	11.68	129	169242	19.514	ug/l	98
61) 1,2-Dibromoethane	11.80	107	136595	19.925	ug/l	99
64) Tetrachloroethene	11.25	164	157237	21.149	ug/l	95
65) Chlorobenzene	12.39	112	433413	20.073	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	145332	18.883	ug/l	96
67) Ethyl Benzene	12.52	91	613913	19.099	ug/l	100
68) m/p-Xylenes	12.66	106	518986	41.135	ug/l	98
69) o-Xylene	13.05	106	247120	19.926	ug/l	97
70) Styrene	13.07	104	393571	19.435	ug/l	98
71) Bromoform	13.22	173	97030	19.543	ug/l #	95
73) Isopropylbenzene	13.40	105	660344	19.835	ug/l	99
74) N-amyl acetate	13.26	43	181665	19.379	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	121583	18.718	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	127239	19.145	ug/l	100
77) Bromobenzene	13.67	156	180420	21.230	ug/l	90
78) n-propylbenzene	13.77	91	797881	20.472	ug/l	100
79) 2-Chlorotoluene	13.83	91	455081	21.209	ug/l	100
80) 1,3,5-Trimethylbenzene	14.23	105	544673	21.551	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	37002	18.885	ug/l	95
82) 4-Chlorotoluene	13.94	91	534011	21.052	ug/l	98
83) tert-Butylbenzene	14.19	119	648537	23.448	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	544673	21.551	ug/l	100
85) sec-Butylbenzene	14.37	105	714249	21.153	ug/l	100
86) p-Isopropyltoluene	14.48	119	547834	19.849	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	321894	21.212	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	320822	21.514	ug/l	100
89) n-Butylbenzene	14.79	91	557619	21.038	ug/l	99
90) Hexachloroethane	15.01	117	162439	20.842	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	277221	21.913	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14046	17.945	ug/l	90

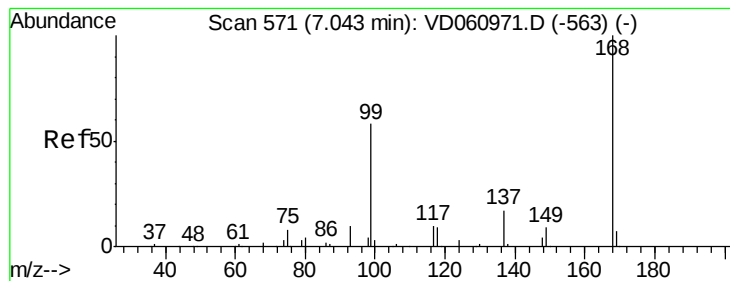
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	122387	20.854	ug/l	97
94) Hexachlorobutadiene	16.03	225	93684	21.105	ug/l	97
95) Naphthalene	16.12	128	193357	21.681	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	60290	20.800	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

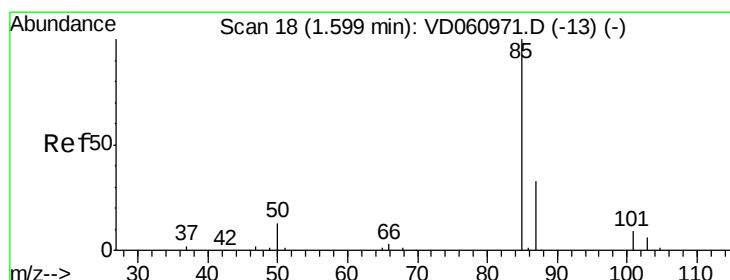
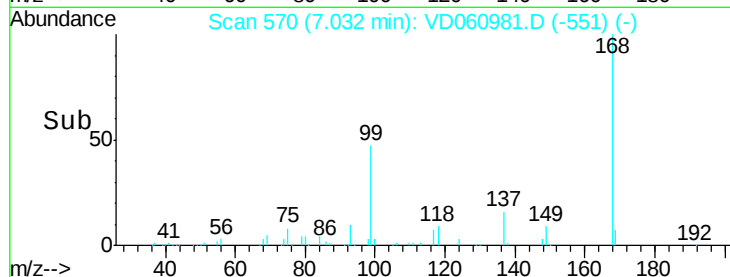
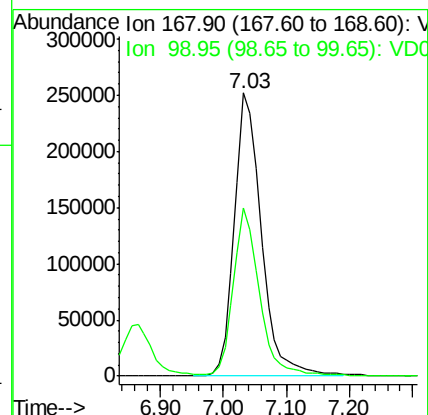
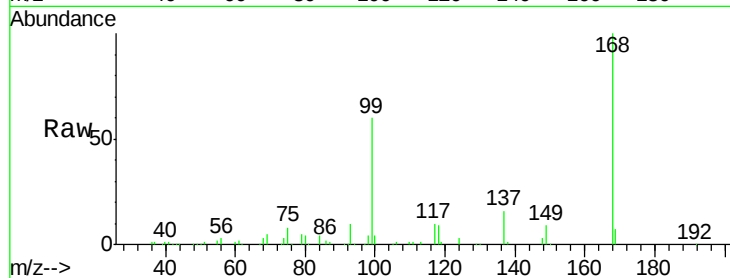
VD0308SBS01

Tot Ion:168 Resp: 749016

Ion Ratio Lower Upper

168 100

99 59.5 47.3 70.9



#2

Dichlorodifluoromethane

Concen: 20.722 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060981.D

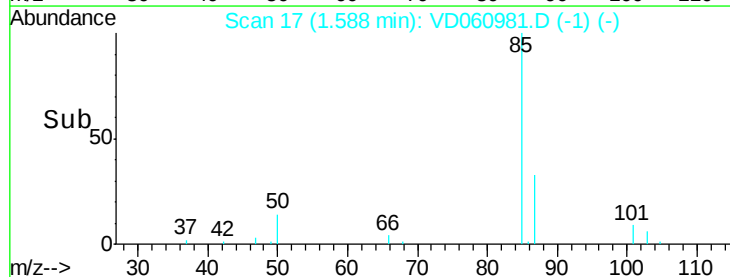
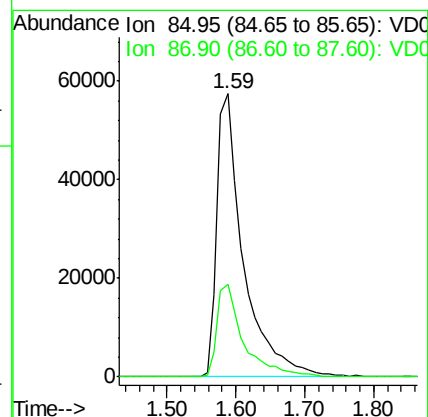
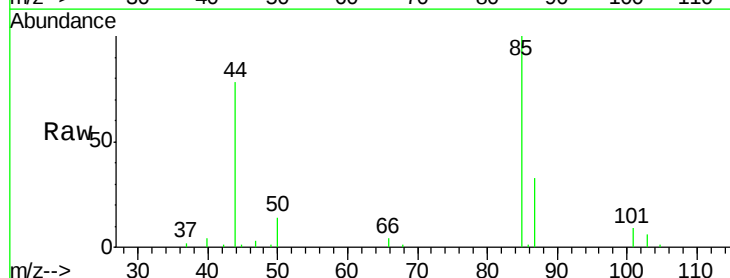
Acq: 8 Mar 2019 13:58

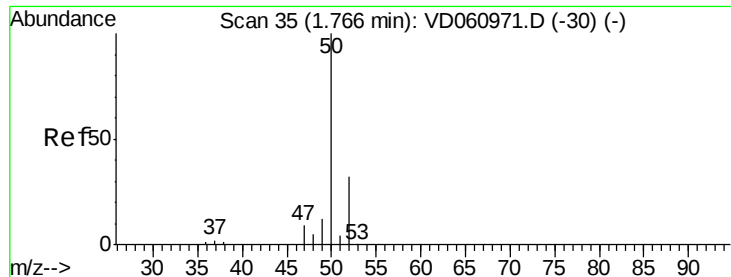
Tgt Ion: 85 Resp: 153744

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.4





#3

Chloromethane

Concen: 22.100 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

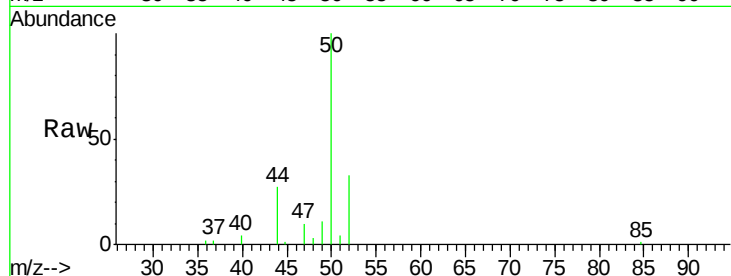
VD0308SBS01

Tot Ion: 50 Resp: 136595

Ion Ratio Lower Upper

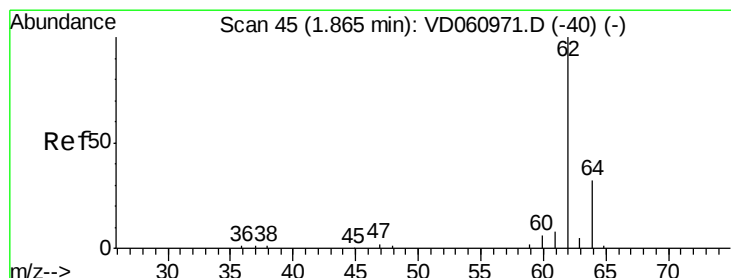
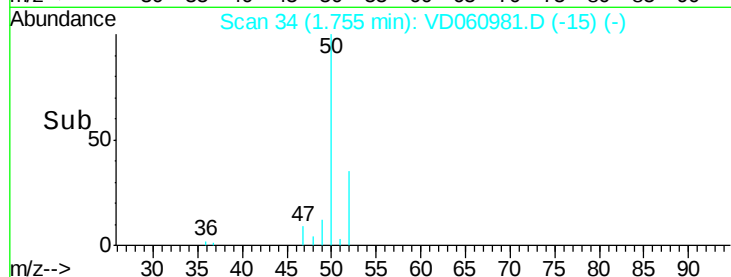
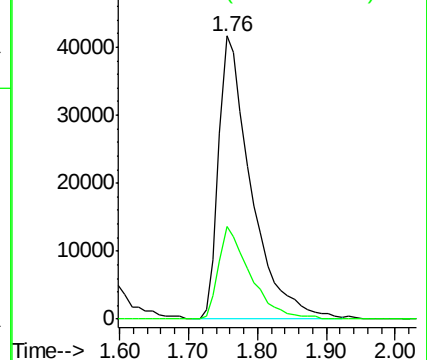
50 100

52 32.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.572 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060981.D

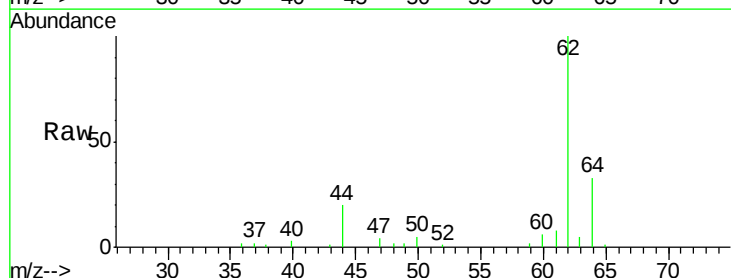
Acq: 8 Mar 2019 13:58

Tgt Ion: 62 Resp: 123201

Ion Ratio Lower Upper

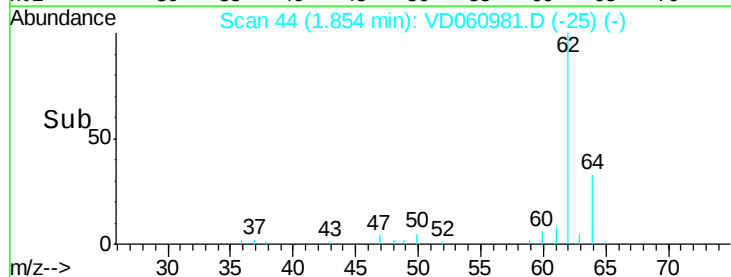
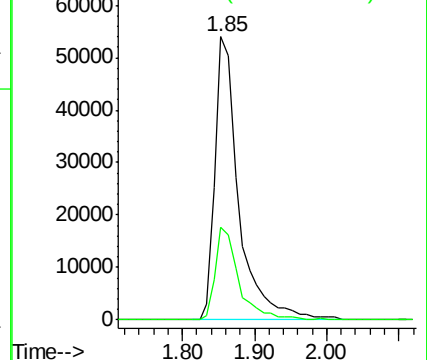
62 100

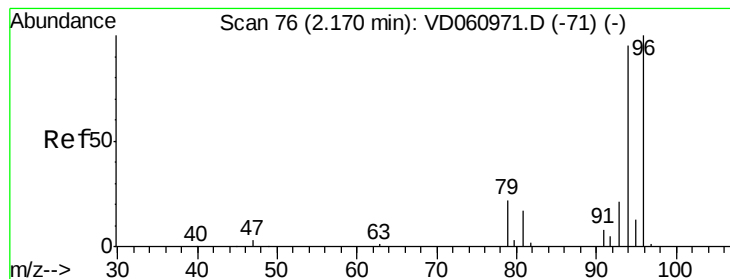
64 32.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.866 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

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ClientSampleId :

VD0308SBS01

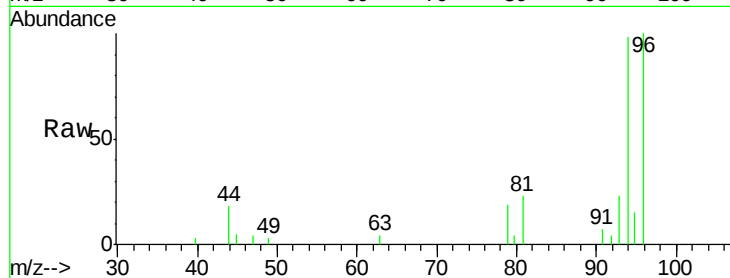
Tot Ion: 94 Resp: 17645

Ion Ratio Lower Upper

94 100

96 102.2 84.0 126.0

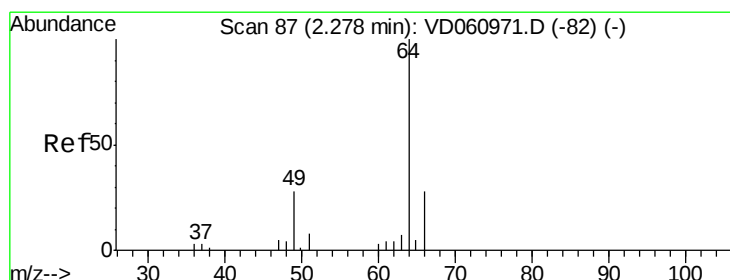
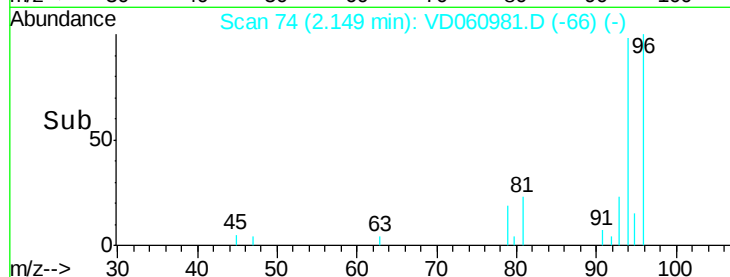
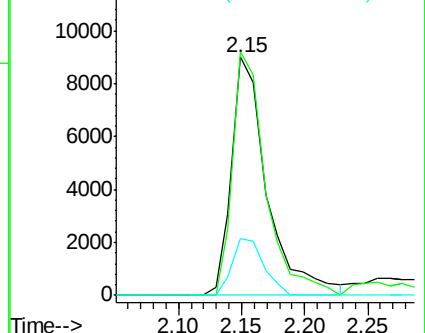
93 24.0 17.3 25.9



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: 16.875 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD060981.D

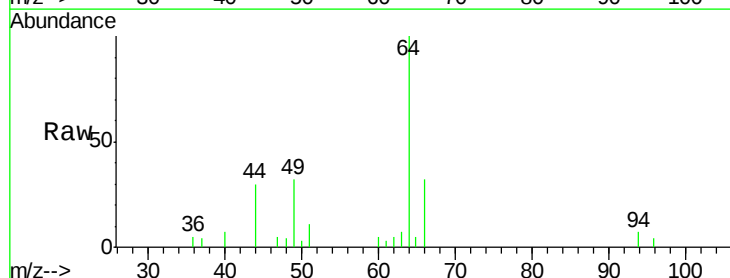
Acq: 8 Mar 2019 13:58

Tgt Ion: 64 Resp: 28847

Ion Ratio Lower Upper

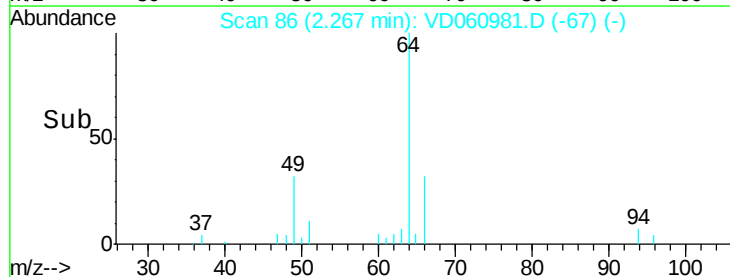
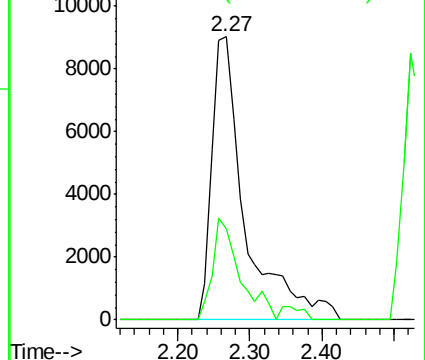
64 100

66 32.4 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



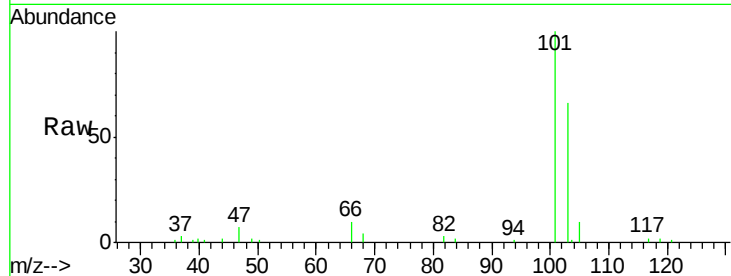


#7

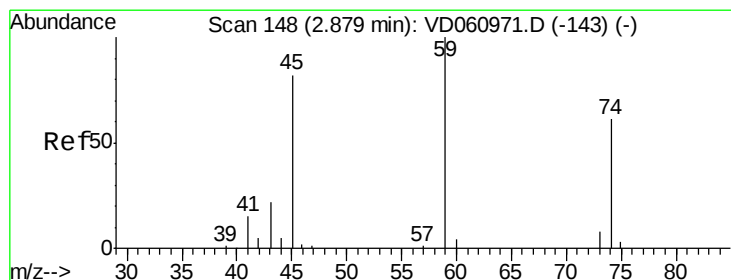
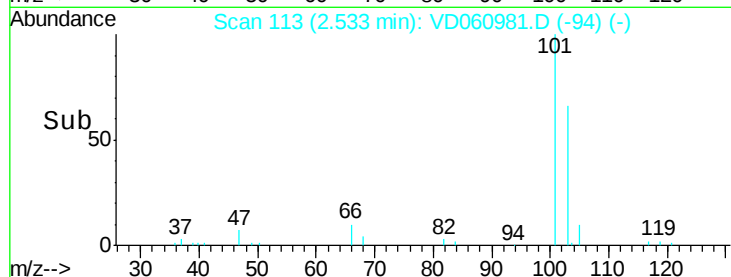
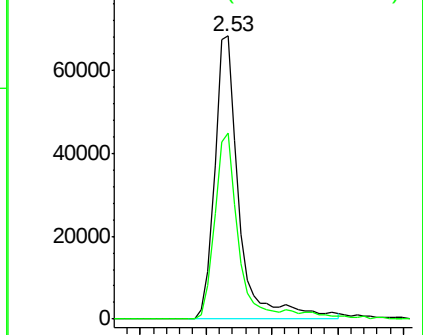
Trichlorofluoromethane
 Concen: 21.382 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBSD01

Tot Ion:101 Resp: 175420
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.2 76.8



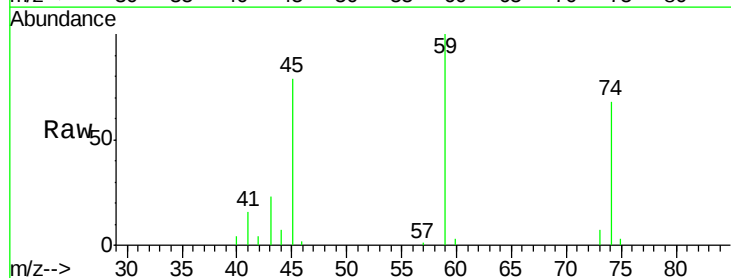
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



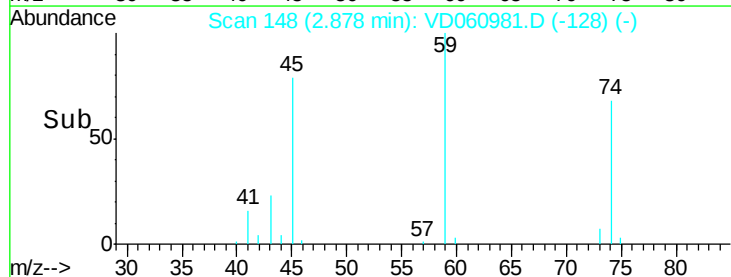
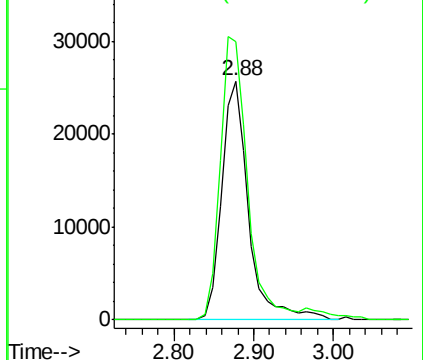
#8

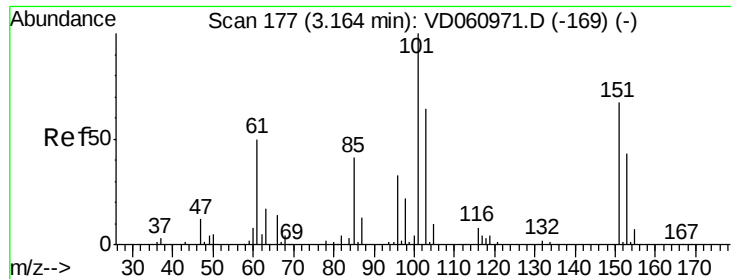
Diethyl Ether
 Concen: 22.517 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Tgt Ion: 74 Resp: 60943
 Ion Ratio Lower Upper
 74 100
 45 116.3 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.033 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBSD01

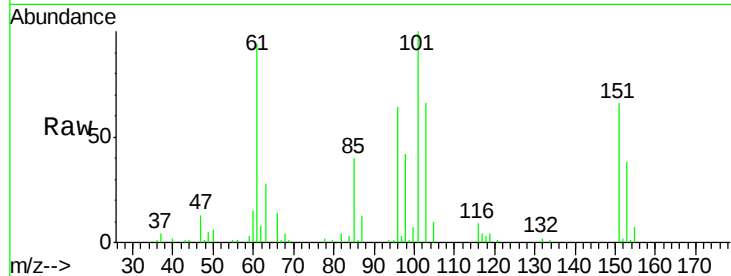
Tot Ion:101 Resp: 183754

Ion Ratio Lower Upper

101 100

85 40.1 32.5 48.7

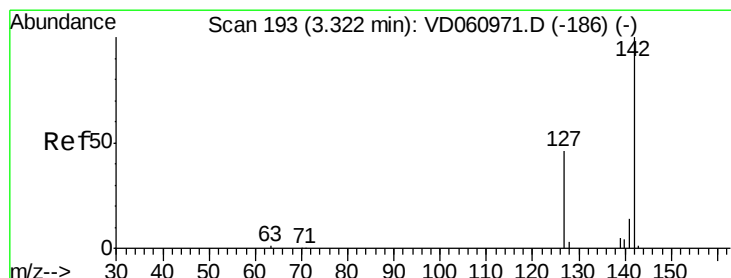
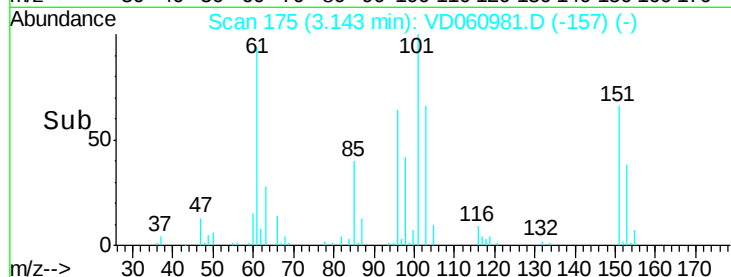
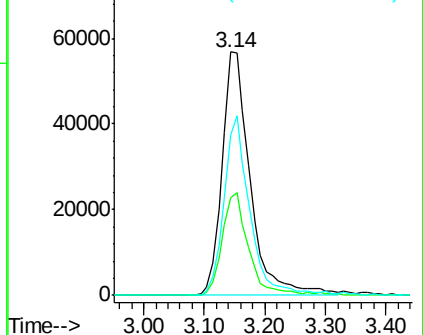
151 65.8 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.206 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

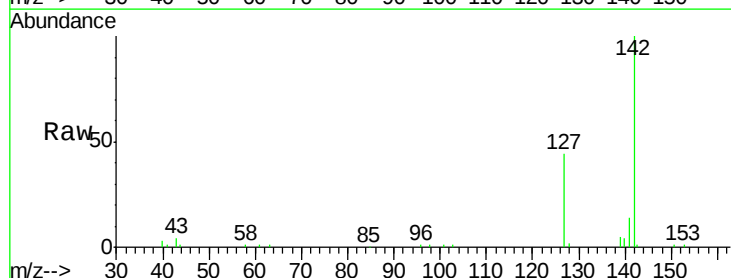
Tgt Ion:142 Resp: 231780

Ion Ratio Lower Upper

142 100

127 44.3 36.8 55.2

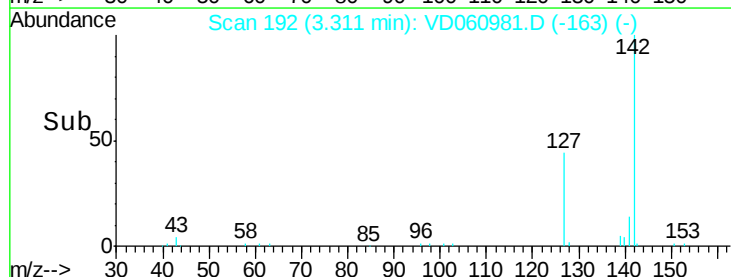
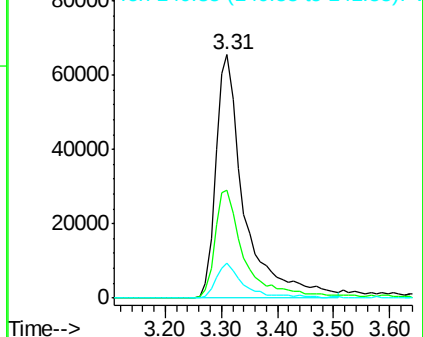
141 14.5 11.2 16.8

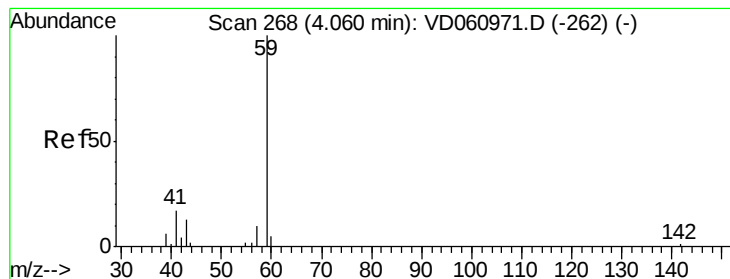


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



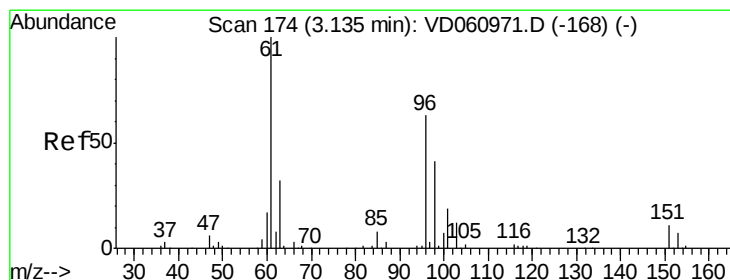
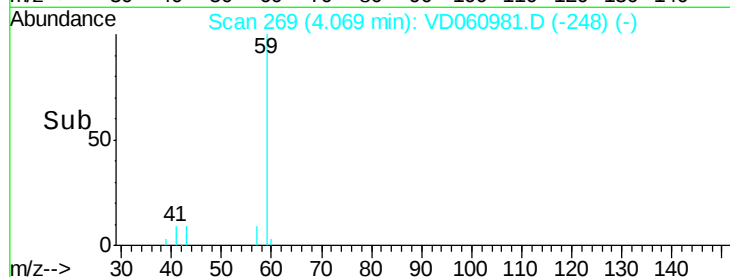
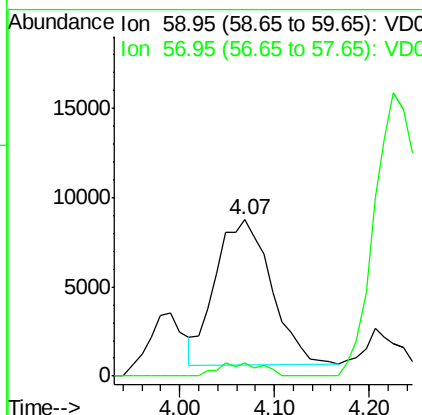
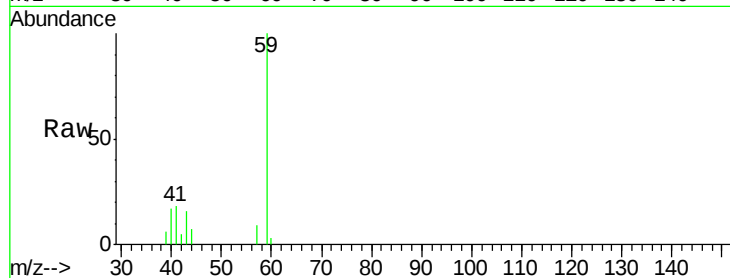


#11

Tert butyl alcohol
Concen: 83.779 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

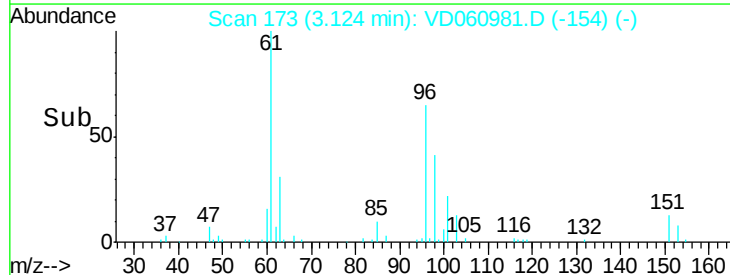
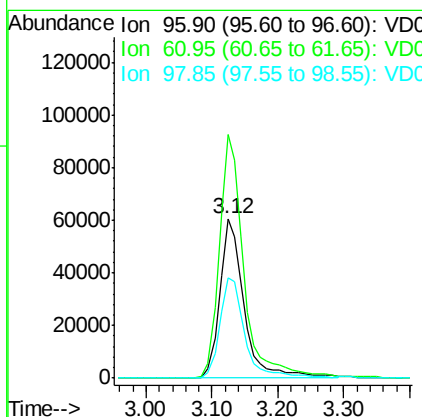
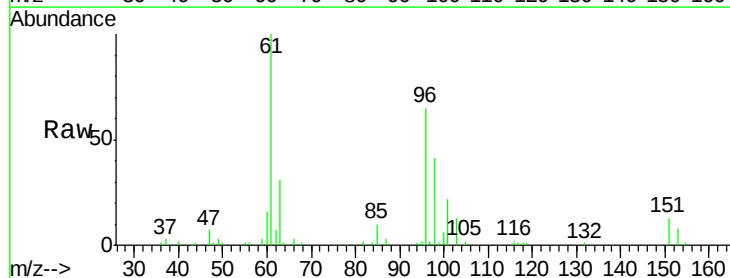
Tot Ion: 59 Resp: 33253
Ion Ratio Lower Upper
59 100
57 8.6 7.1 10.7

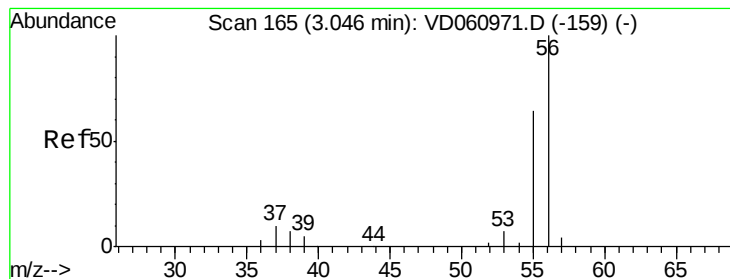


#12

1,1-Dichloroethene
Concen: 20.738 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 96 Resp: 155922
Ion Ratio Lower Upper
96 100
61 153.0 127.1 190.7
98 63.2 51.5 77.3





#13

Acrolein

Concen: 102.663 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

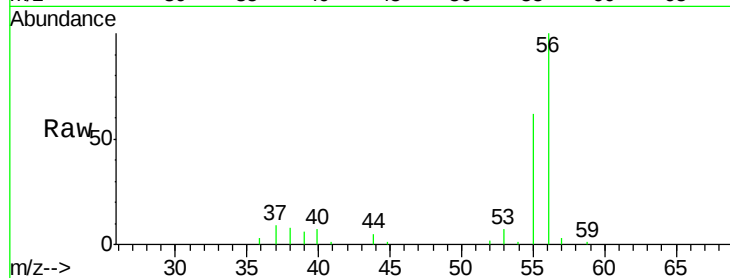
VD0308SBSD01

Tot Ion: 56 Resp: 58959

Ion Ratio Lower Upper

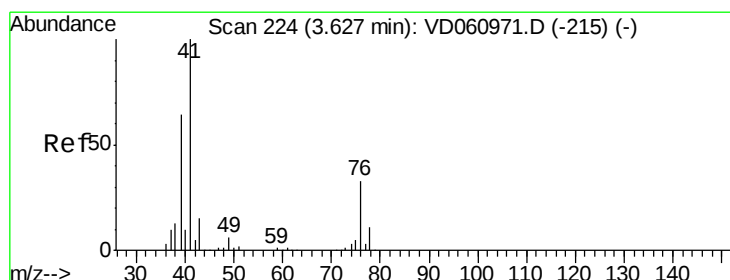
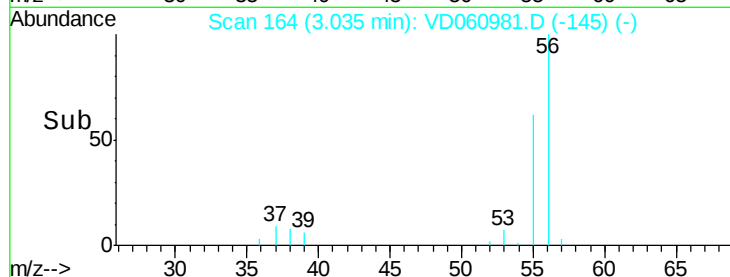
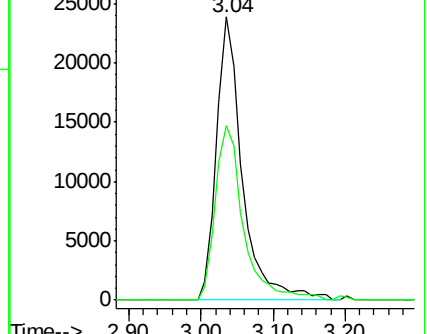
56 100

55 61.8 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.894 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

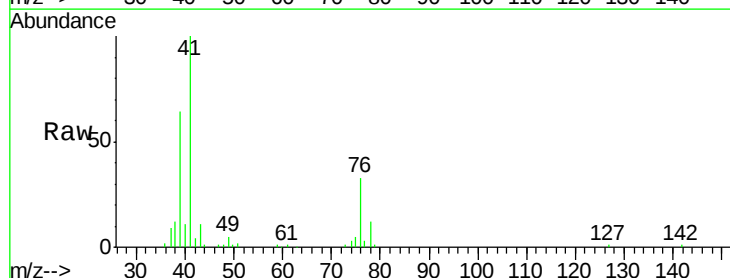
Tgt Ion: 41 Resp: 239316

Ion Ratio Lower Upper

41 100

39 64.5 51.1 76.7

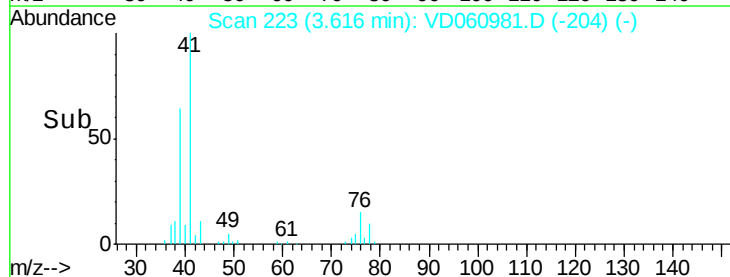
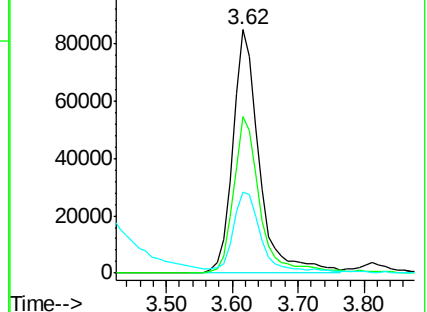
76 33.4 29.1 43.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.298 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

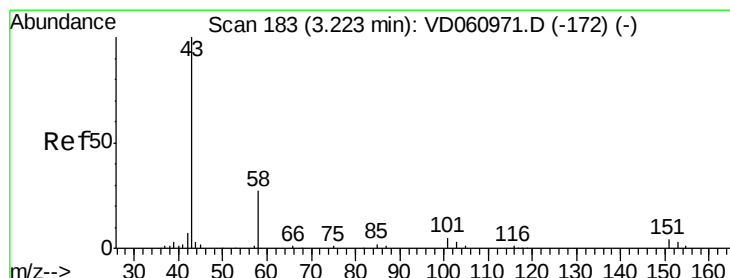
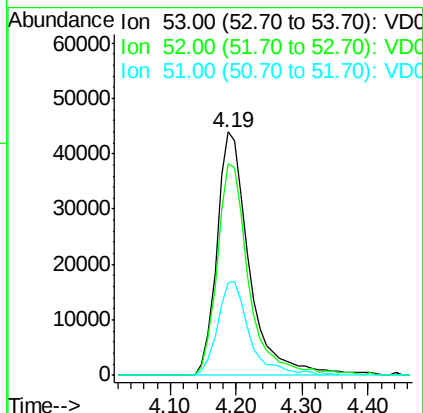
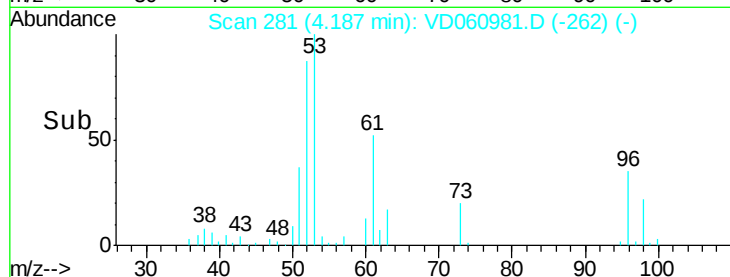
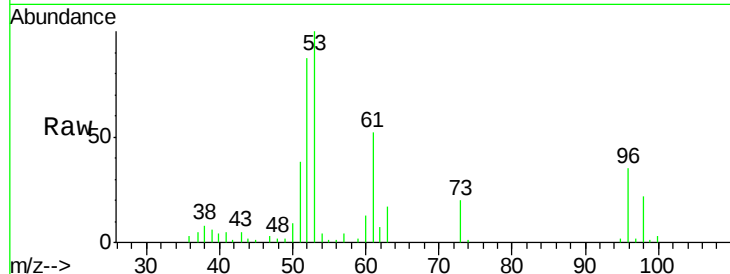
Tot Ion: 53 Resp: 149116

Ion Ratio Lower Upper

53 100

52 86.8 70.2 105.4

51 38.0 31.7 47.5



#16

Acetone

Concen: 91.533 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060981.D

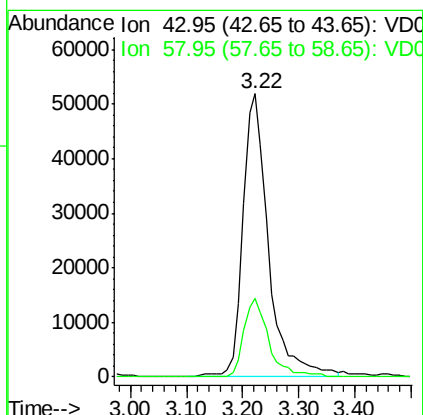
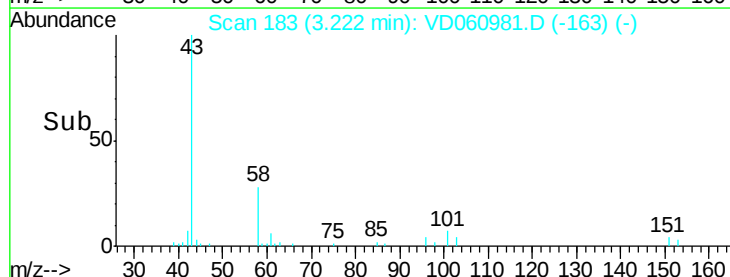
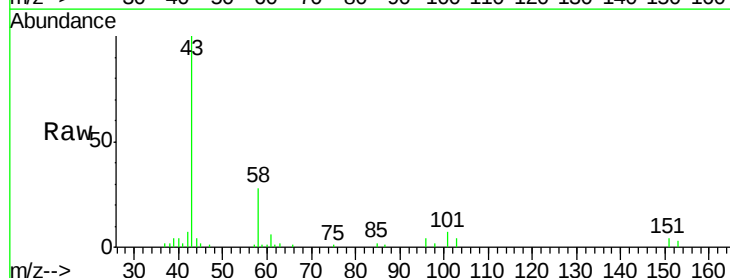
Acq: 8 Mar 2019 13:58

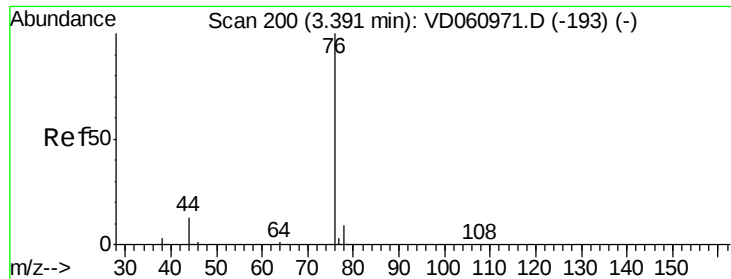
Tgt Ion: 43 Resp: 163192

Ion Ratio Lower Upper

43 100

58 27.6 21.6 32.4

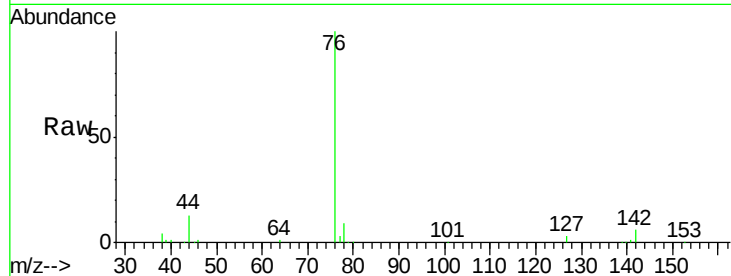




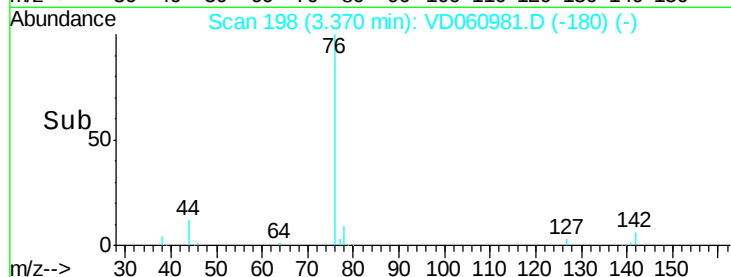
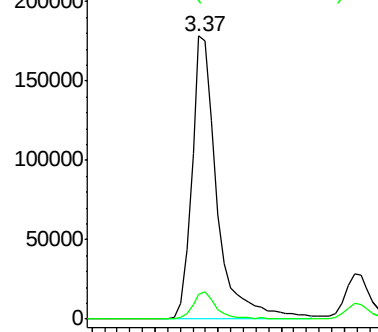
#17
Carbon Disulfide
Concen: 19.611 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.02 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBSD01

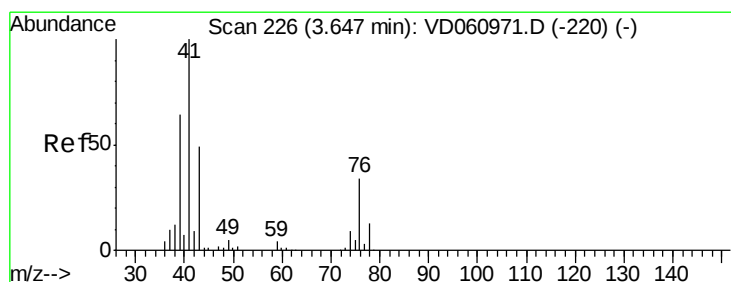
Tot Ion: 76 Resp: 497380
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



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

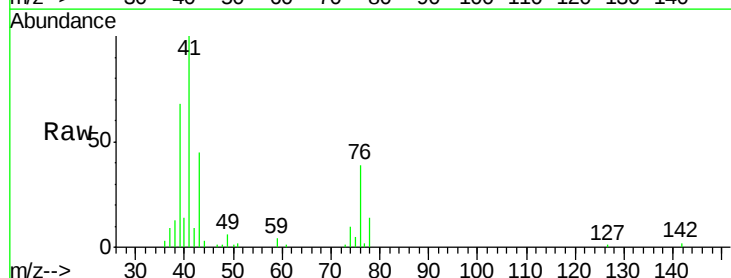


Time-->

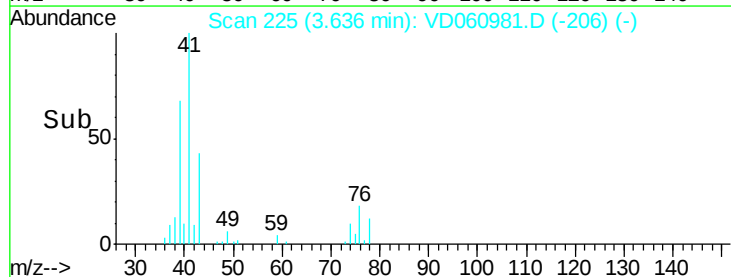
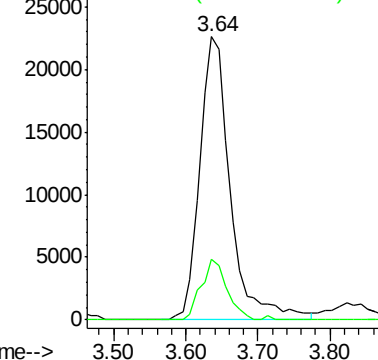


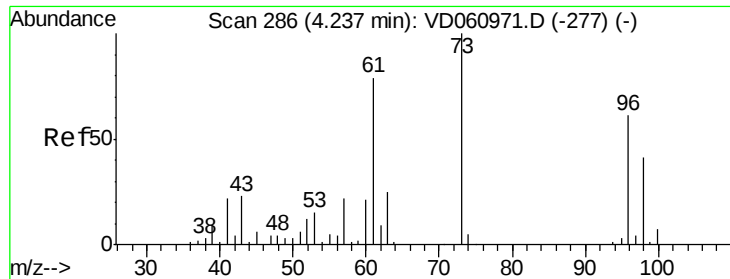
#18
Methyl Acetate
Concen: 18.977 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 43 Resp: 66584
Ion Ratio Lower Upper
43 100
74 21.6 14.6 21.8



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

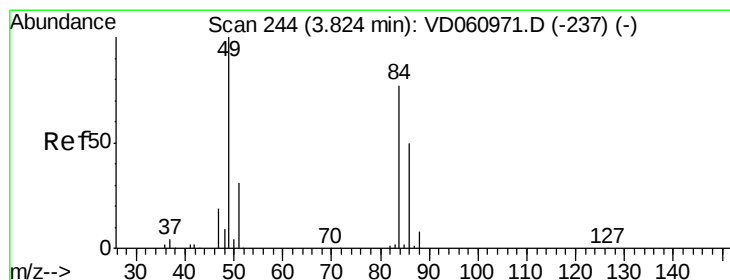
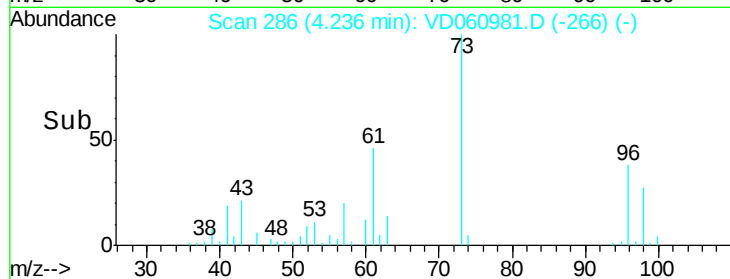
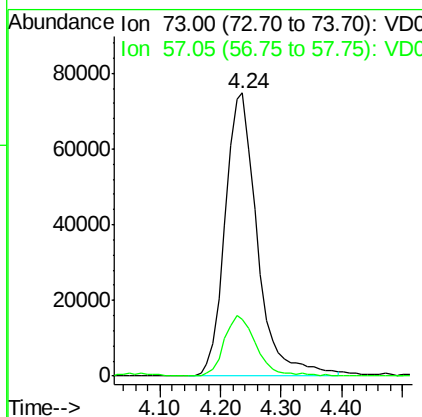
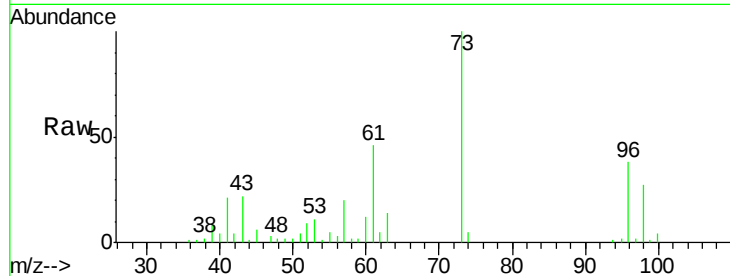




#19
Methyl tert-butyl Ether
Concen: 21.044 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

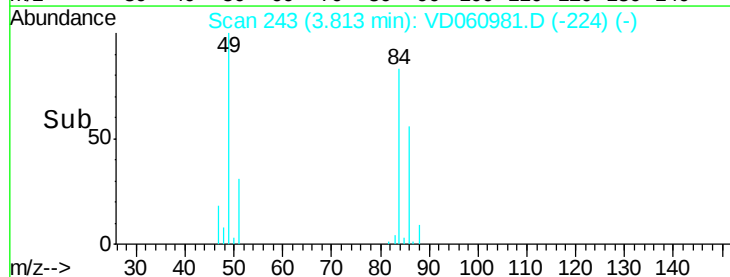
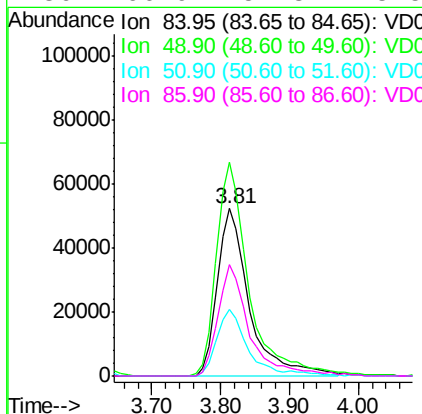
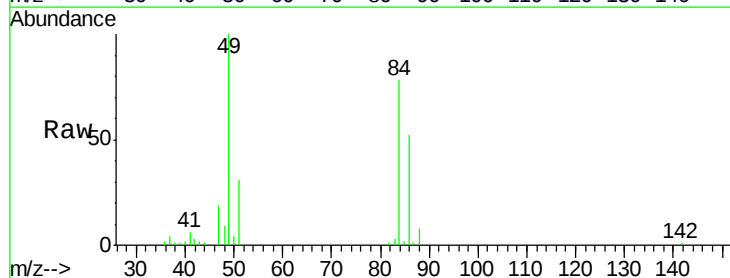
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

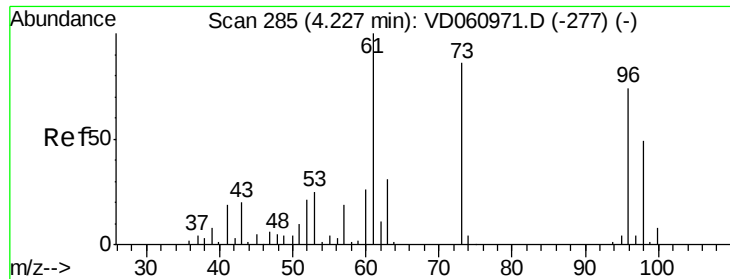
Tot Ion: 73 Resp: 277285
Ion Ratio Lower Upper
73 100
57 20.0 17.7 26.5



#20
Methylene Chloride
Concen: 17.716 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 84 Resp: 168496
Ion Ratio Lower Upper
84 100
49 127.6 104.2 156.2
51 40.1 32.3 48.5
86 66.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.122 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBSD01

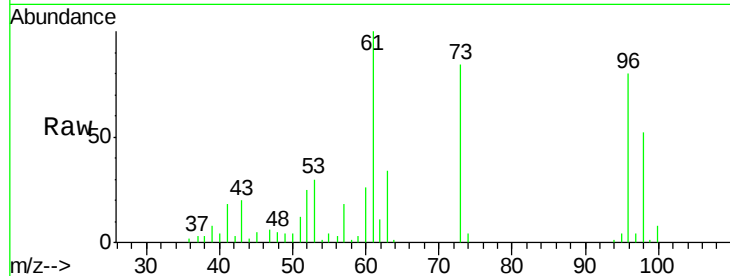
Tot Ion: 96 Resp: 171888

Ion Ratio Lower Upper

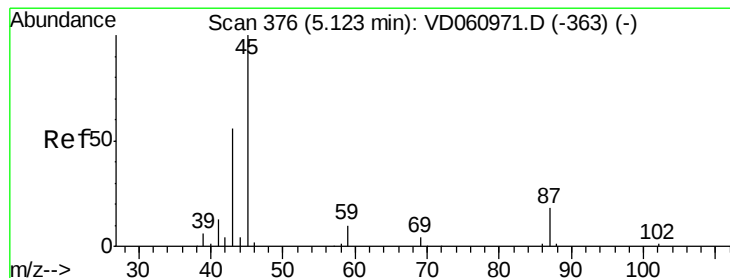
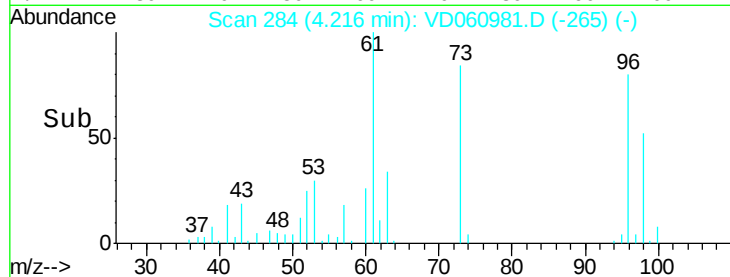
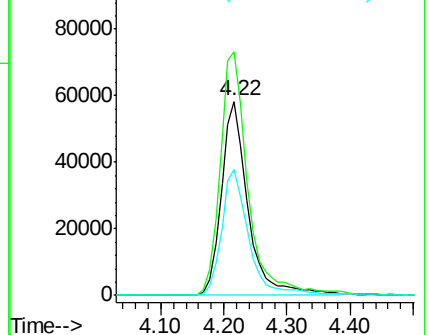
96 100

61 125.4 108.4 162.6

98 65.1 53.0 79.4



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



#22

Diisopropyl ether

Concen: 20.343 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Tgt Ion: 45 Resp: 508025

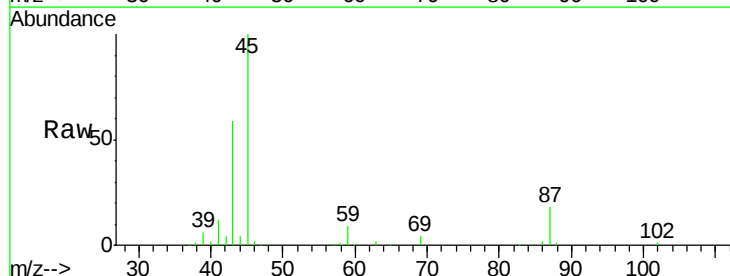
Ion Ratio Lower Upper

45 100

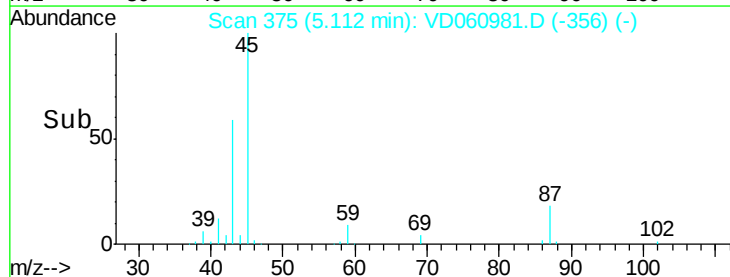
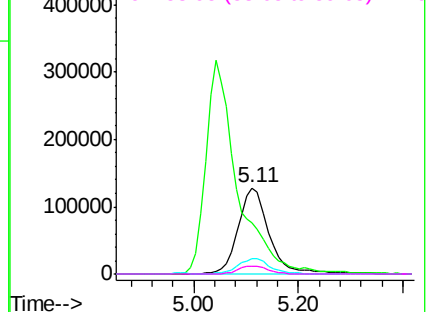
43 59.0 45.8 68.8

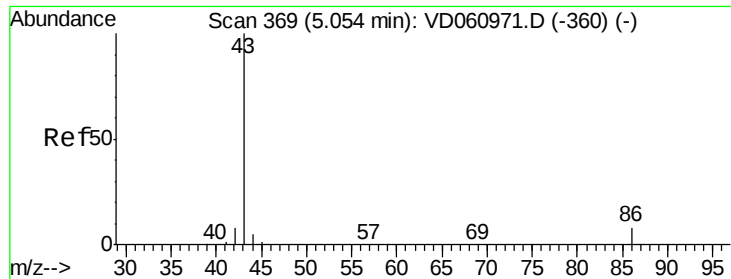
87 17.7 14.9 22.3

59 9.1 8.0 12.0



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





#23

Vinyl Acetate

Concen: 102.249 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

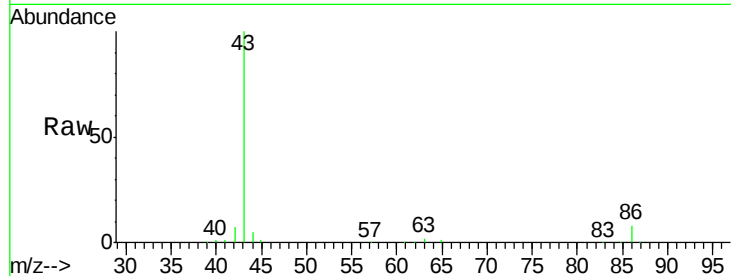
VD0308SBSD01

Tot Ion: 43 Resp: 1310777

Ion Ratio Lower Upper

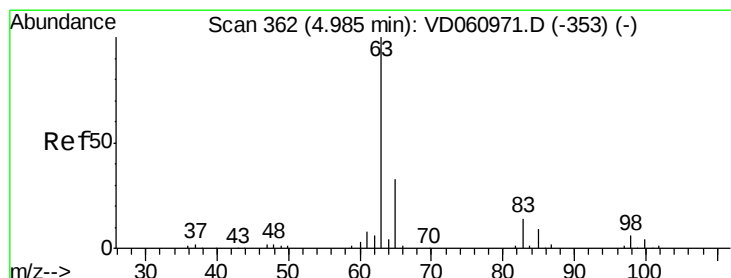
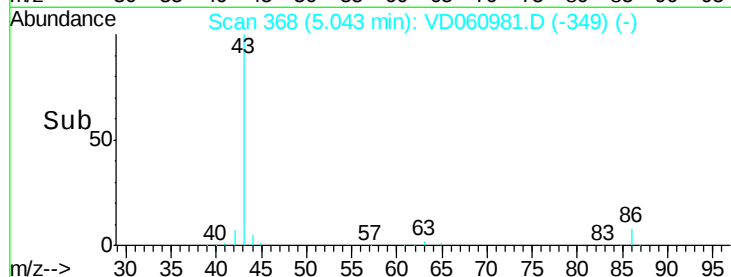
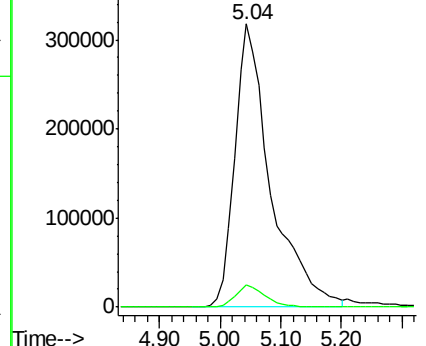
43 100

86 7.8 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.557 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

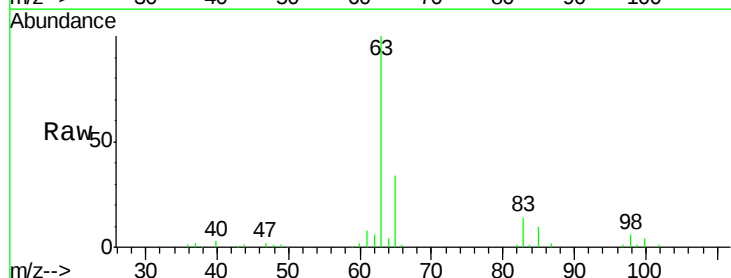
Tgt Ion: 63 Resp: 281276

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

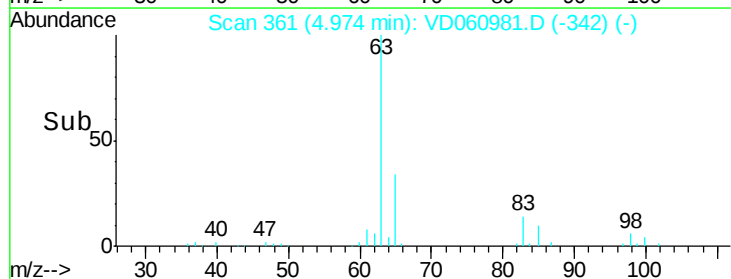
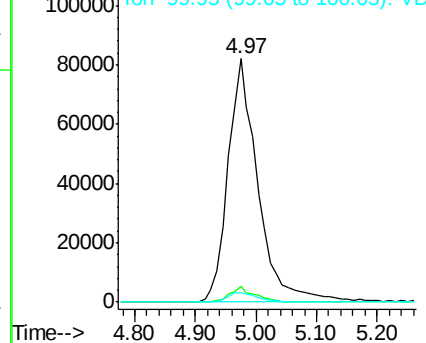
100 3.8 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.640 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

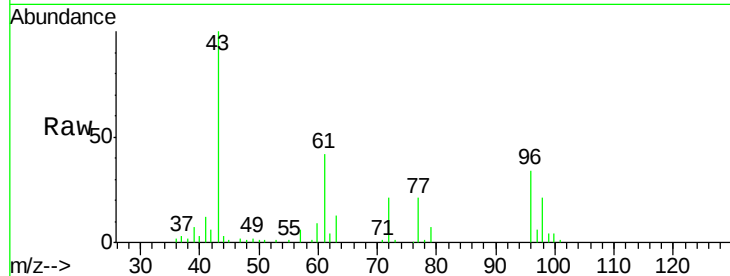
VD0308SBS01

Tot Ion: 43 Resp: 211694

Ion Ratio Lower Upper

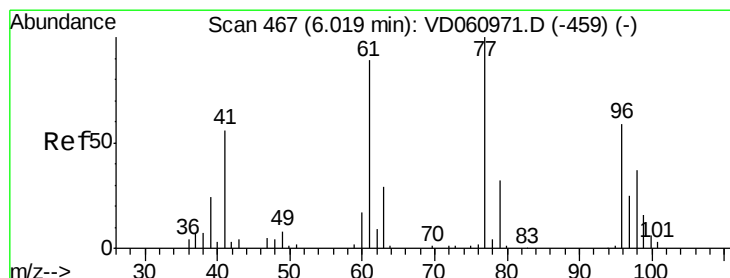
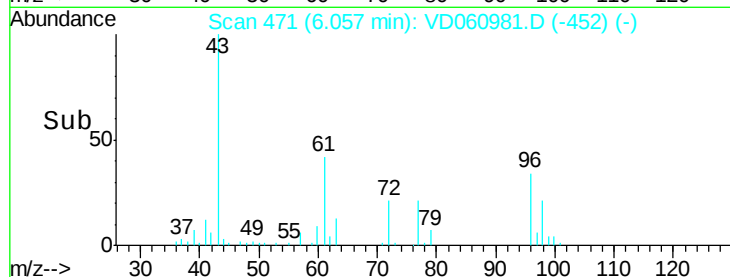
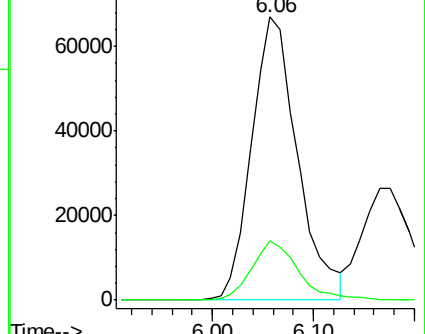
43 100

72 20.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.295 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060981.D

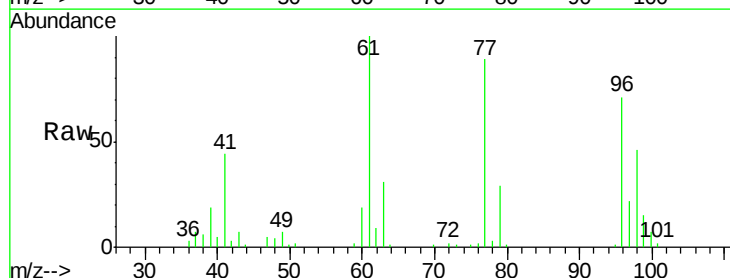
Acq: 8 Mar 2019 13:58

Tgt Ion: 77 Resp: 216779

Ion Ratio Lower Upper

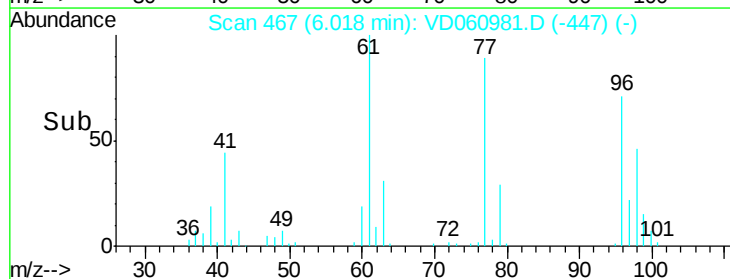
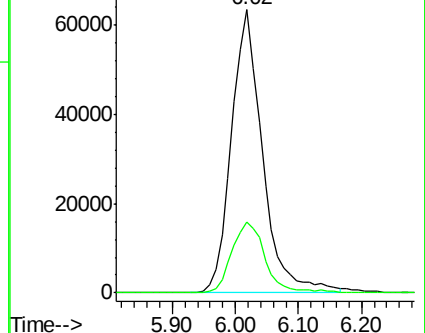
77 100

97 25.2 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



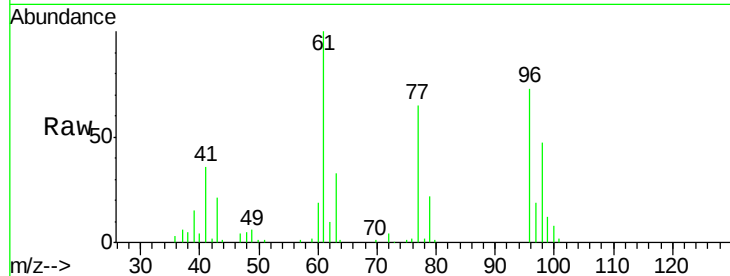


#27

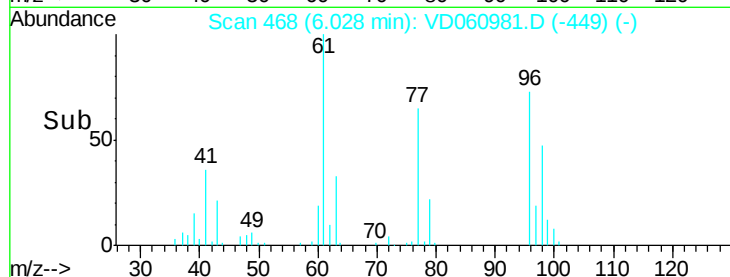
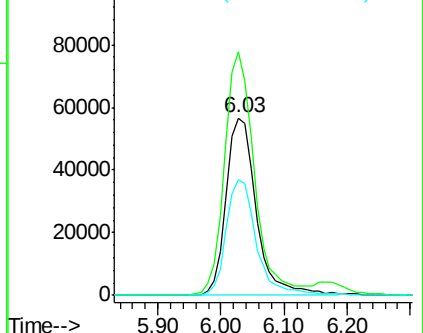
cis-1,2-Dichloroethene
 Concen: 21.755 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBSD01

Tot Ion: 96 Resp: 187836
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 273.6
 98 64.9 0.0 132.6



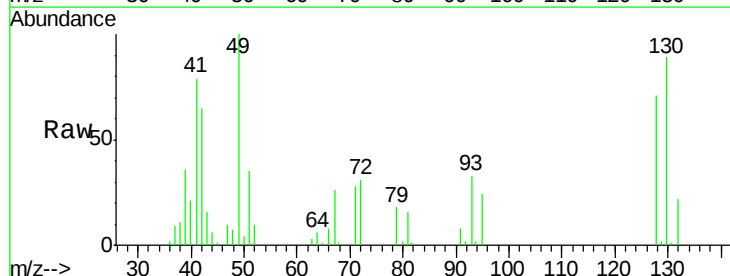
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



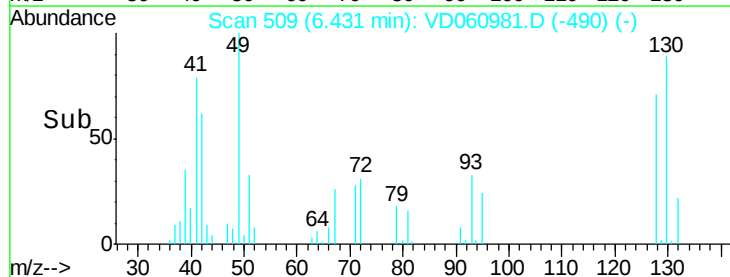
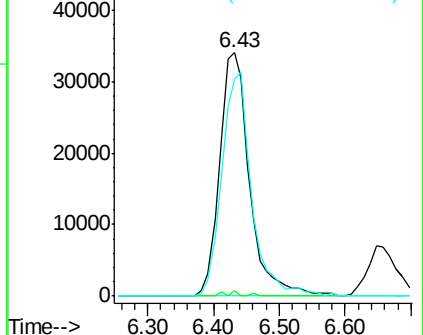
#28

Bromochloromethane
 Concen: 18.636 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Tgt Ion: 49 Resp: 107945
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 88.9 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 93.871 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

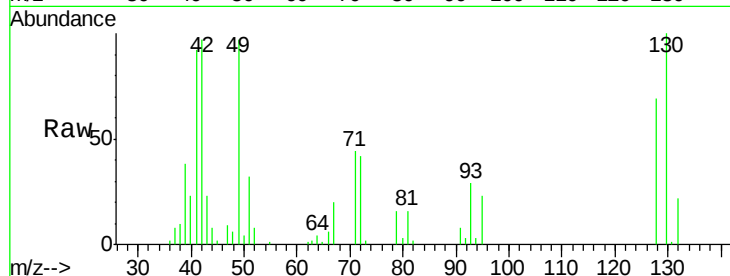
Tot Ion: 42 Resp: 103119

Ion Ratio Lower Upper

42 100

72 43.7 34.5 51.7

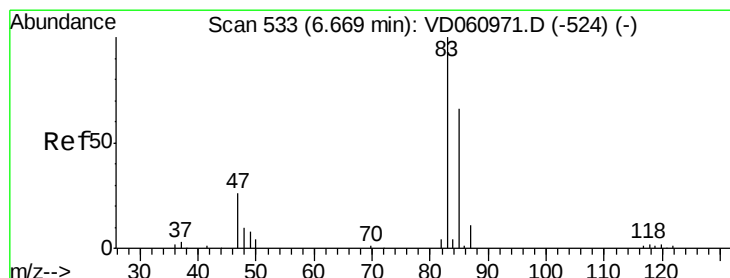
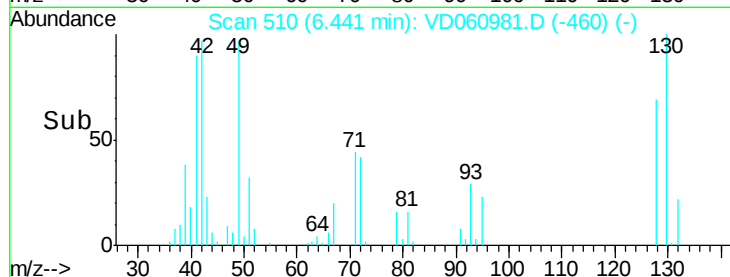
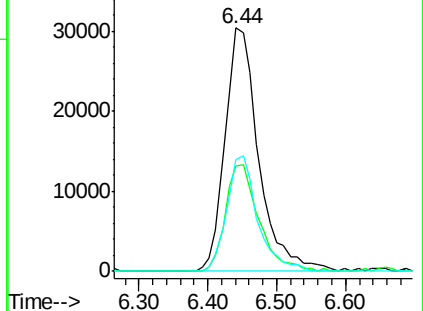
71 43.6 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 18.695 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD060981.D

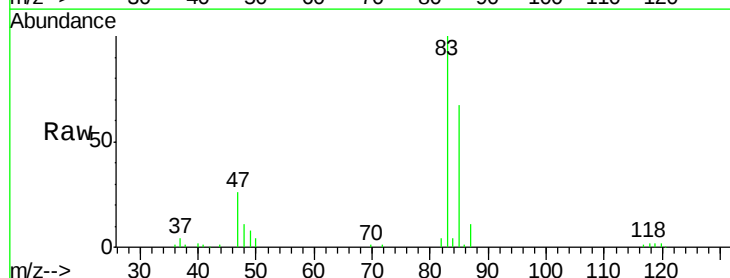
Acq: 8 Mar 2019 13:58

Tgt Ion: 83 Resp: 265102

Ion Ratio Lower Upper

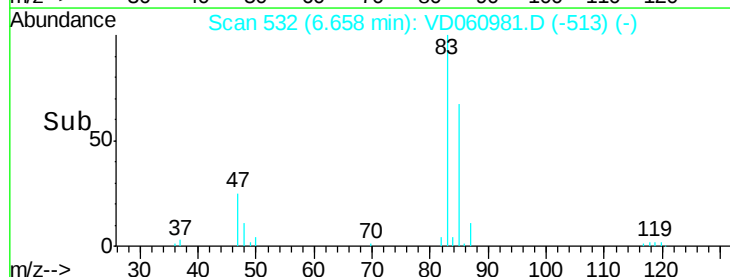
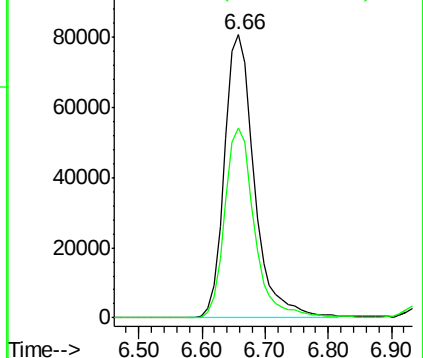
83 100

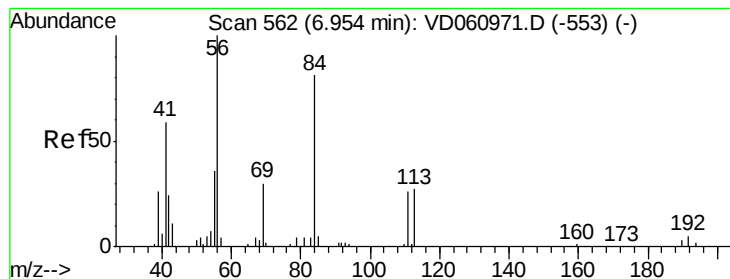
85 67.0 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 22.160 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

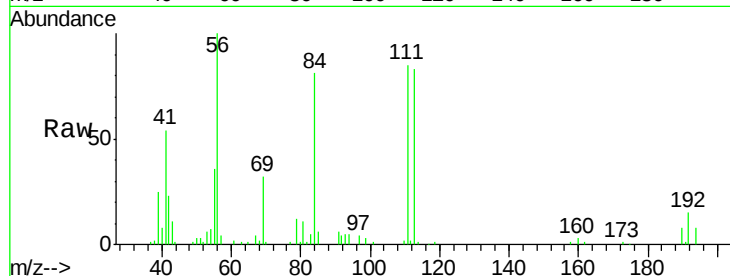
Tot Ion: 56 Resp: 244477

Ion Ratio Lower Upper

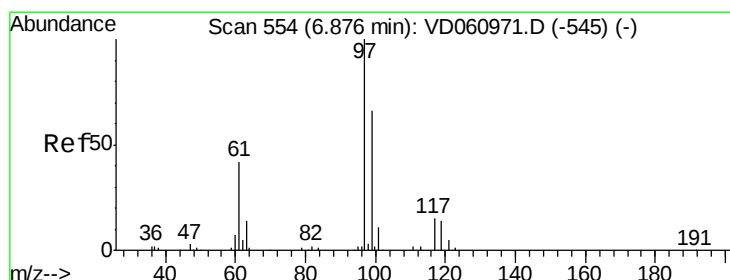
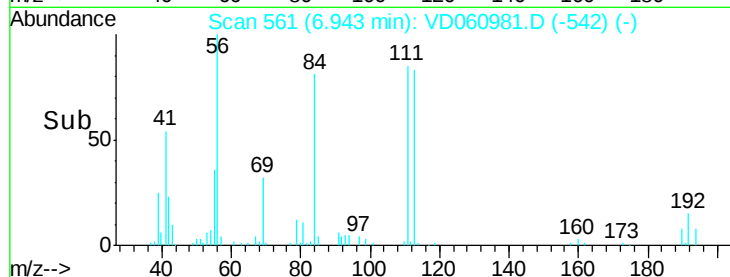
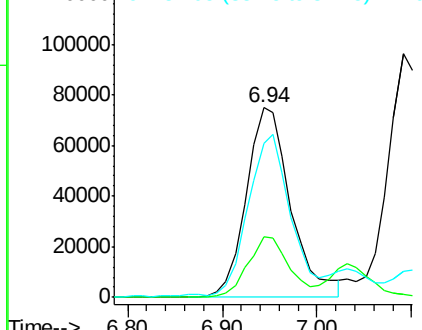
56 100

69 31.7 24.0 36.0

84 81.0 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 20.067 ug/l

RT: 6.86 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

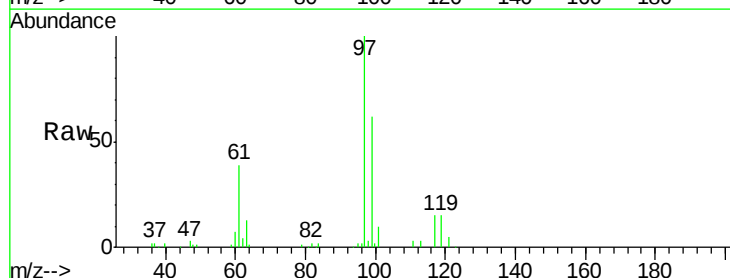
Tgt Ion: 97 Resp: 246026

Ion Ratio Lower Upper

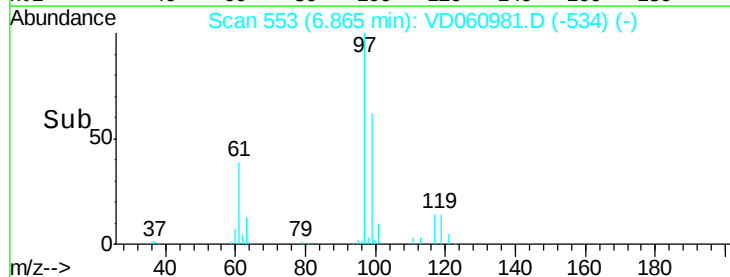
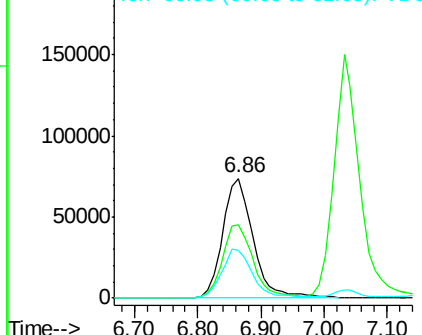
97 100

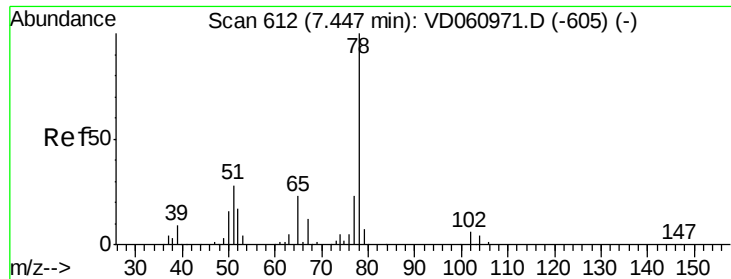
99 61.6 53.2 79.8

61 39.4 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 20.067 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

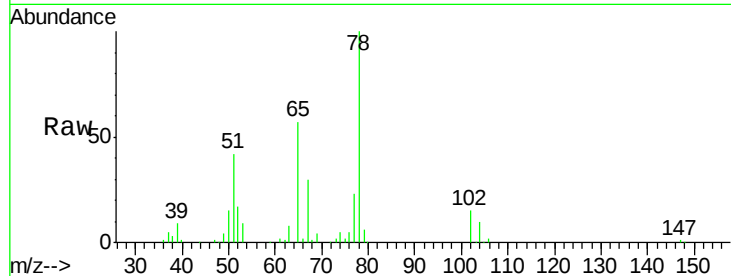
VD0308SBSD01

Tot Ion: 65 Resp: 301323

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

120000

100000

80000

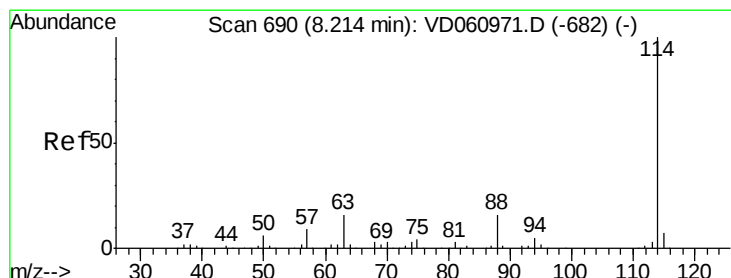
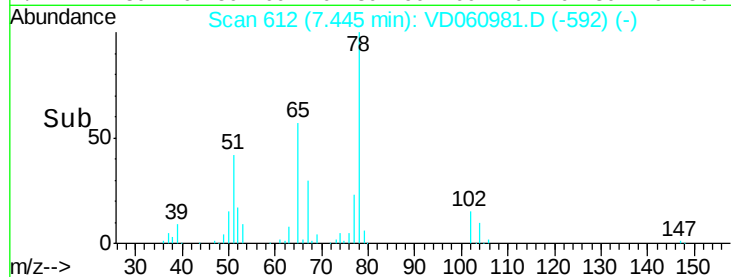
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

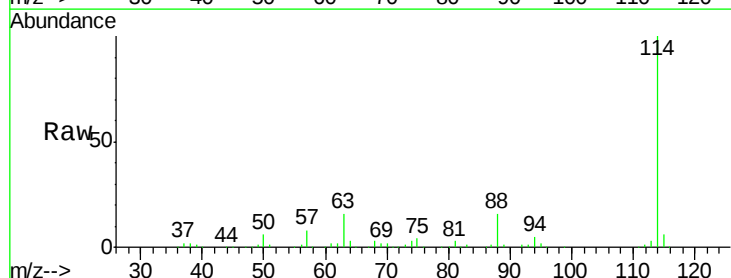
Tgt Ion: 114 Resp: 1321205

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.4

88 16.1 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

600000

500000

400000

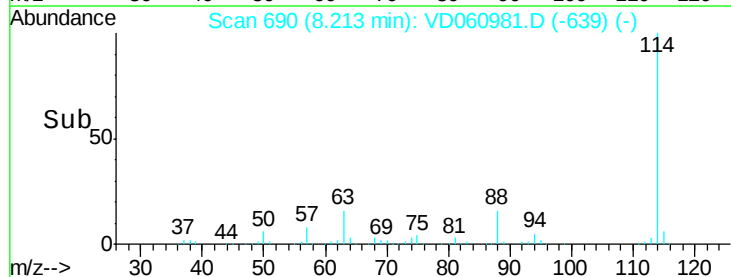
300000

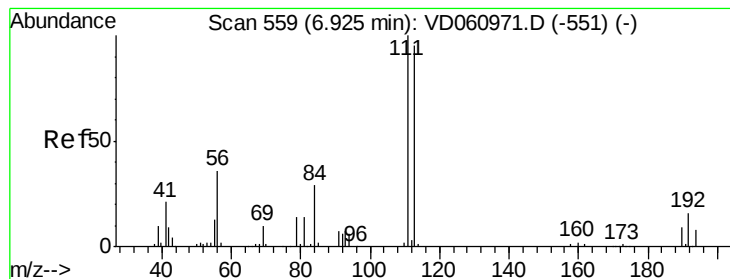
200000

100000

0

Time--> 8.00 8.20 8.40 8.60





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBSD01

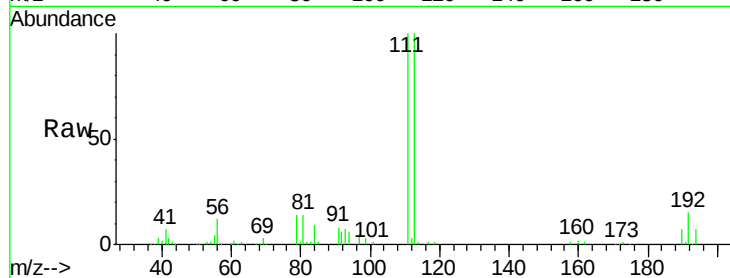
Tot Ion:113 Resp: 466580

Ion Ratio Lower Upper

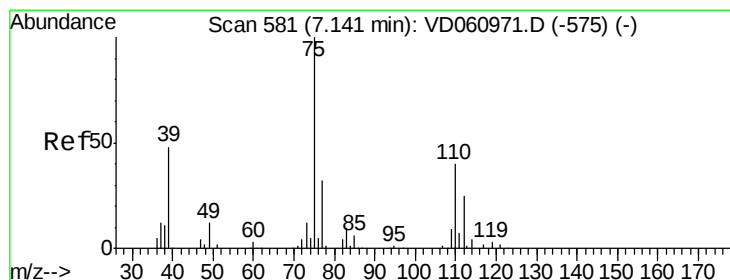
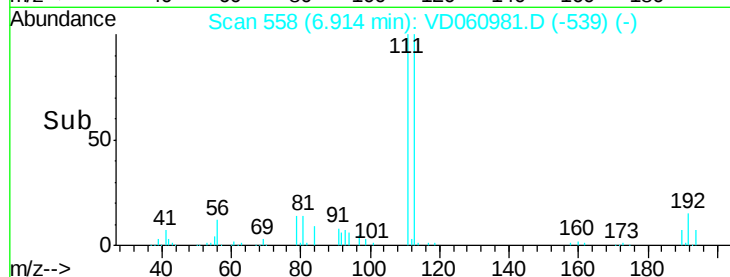
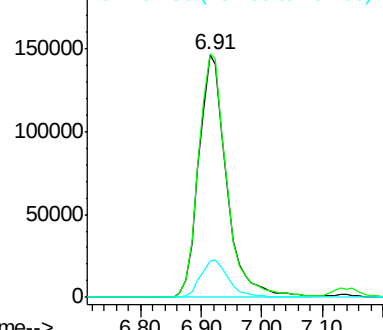
113 100

111 100.2 84.2 126.4

192 15.0 13.1 19.7



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



#36

1,1-Dichloropropene

Concen: 19.082 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

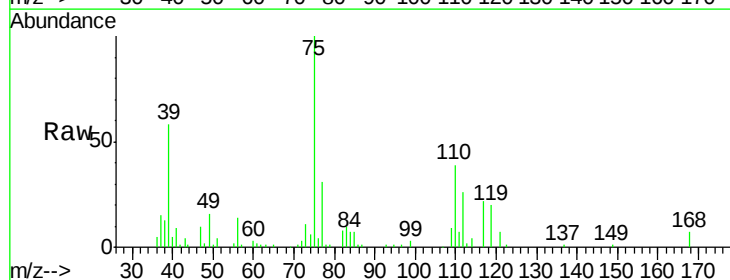
Tgt Ion: 75 Resp: 217321

Ion Ratio Lower Upper

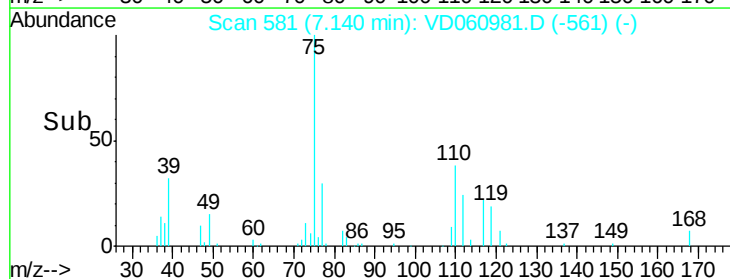
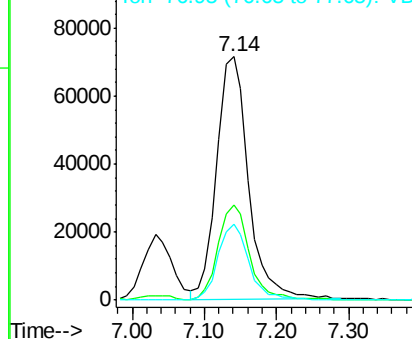
75 100

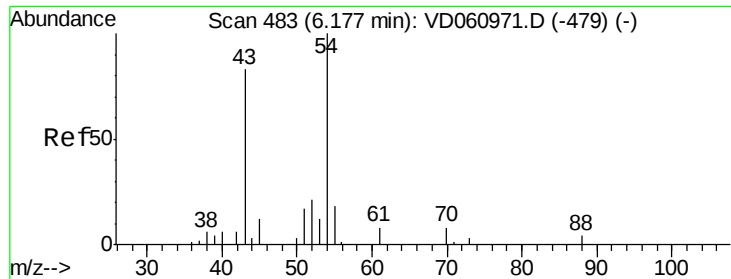
110 39.3 19.7 59.1

77 31.0 24.7 37.1



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

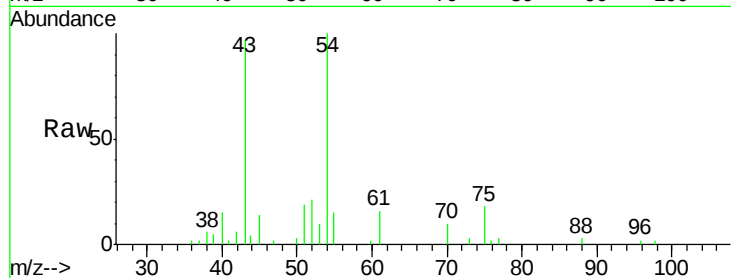




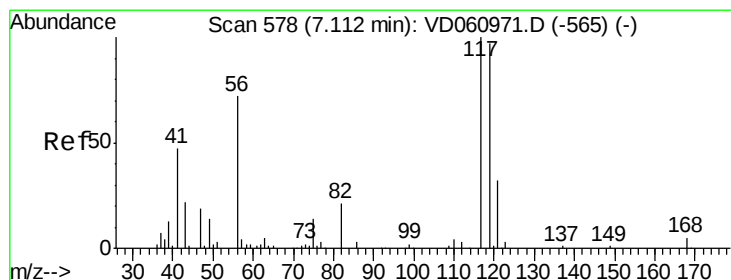
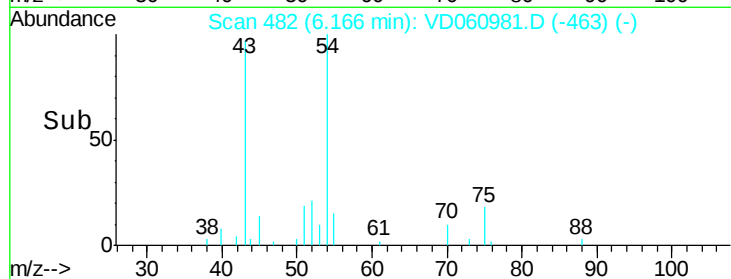
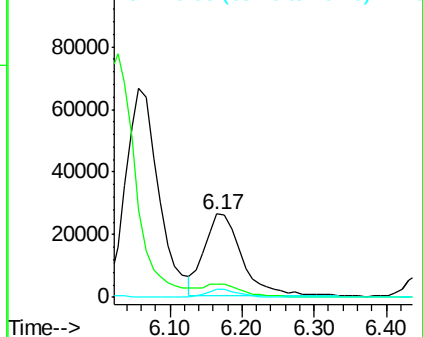
#37
Ethyl Acetate
Concen: 17.587 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBSD01

Tot Ion: 43 Resp: 93992
Ion Ratio Lower Upper
43 100
61 16.3 13.7 20.5
70 9.9 7.1 10.7

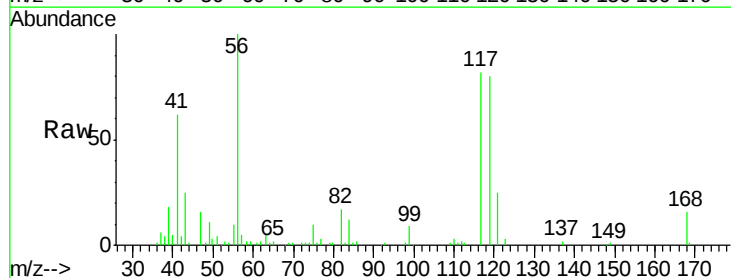


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

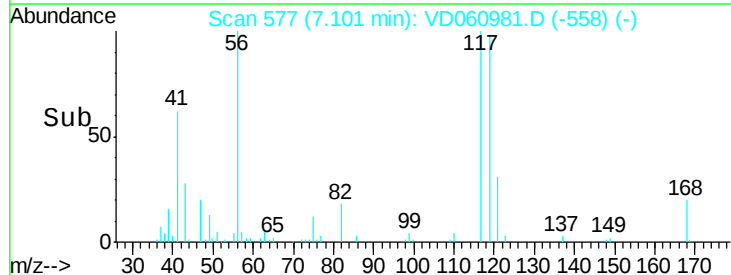
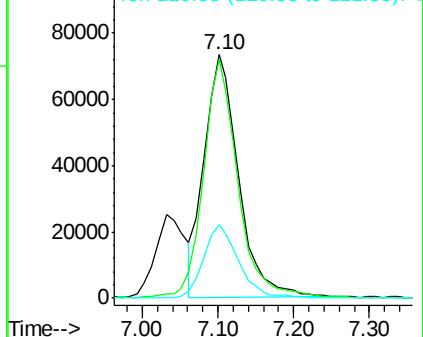


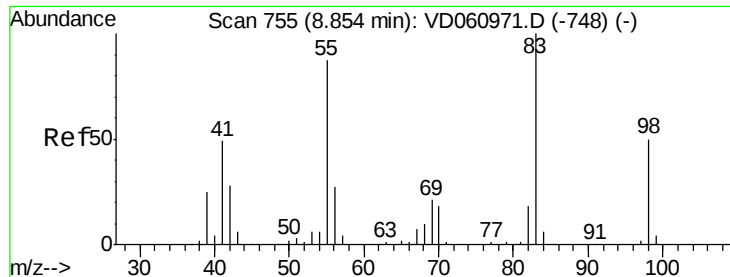
#38
Carbon Tetrachloride
Concen: 18.485 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 117 Resp: 231889
Ion Ratio Lower Upper
117 100
119 97.7 77.8 116.8
121 30.3 25.3 37.9



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

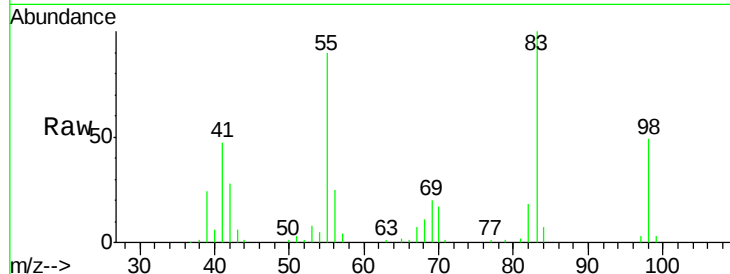




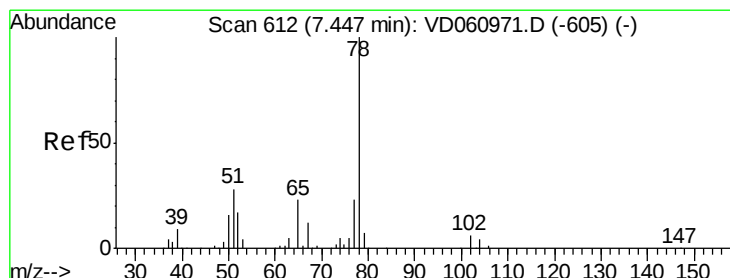
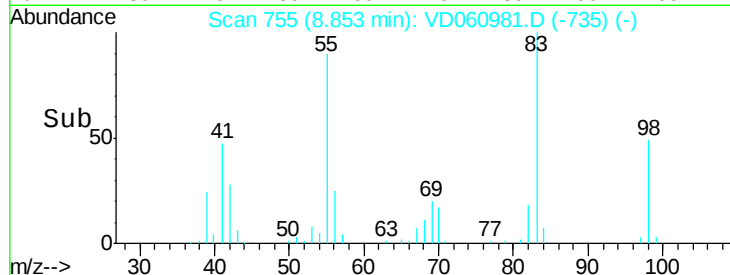
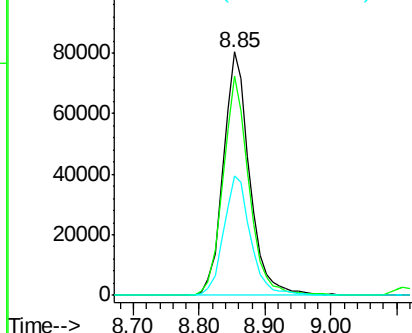
#39
Methvlcvclohexane
Concen: 19.005 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBSD01

Tot Ion: 83 Resp: 224427
Ion Ratio Lower Upper
83 100
55 89.8 69.6 104.4
98 48.9 40.0 60.0

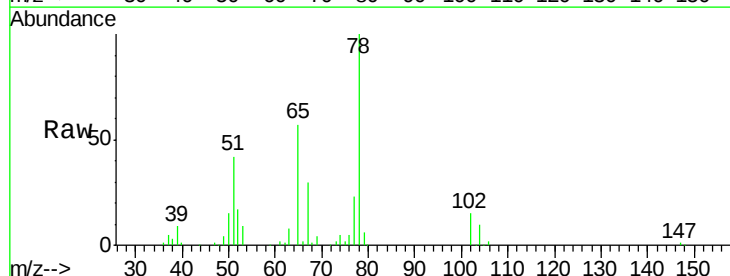


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

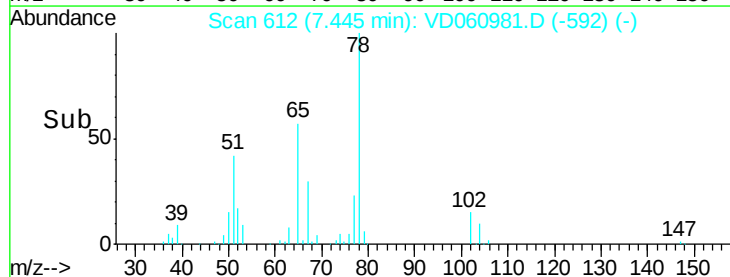
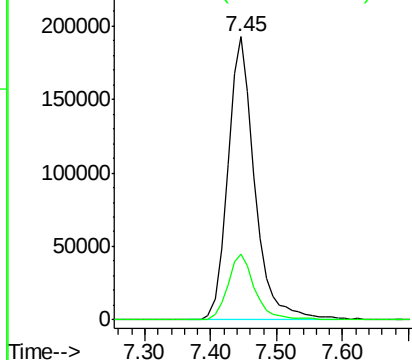


#40
Benzene
Concen: 19.270 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 78 Resp: 548385
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



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





#41

Methacrylonitrile

Concen: 18.583 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBSD01

Tot Ion: 41 Resp: 114232

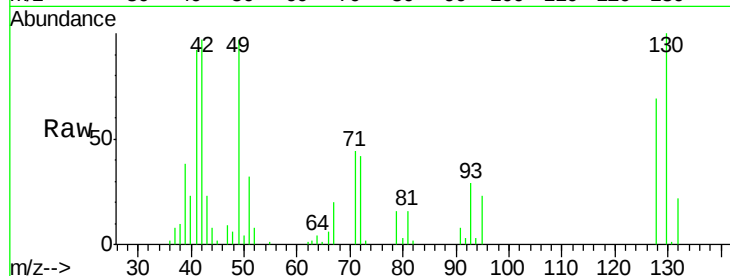
Ion Ratio Lower Upper

41 100

39 42.0 35.7 53.5

67 21.5 23.0 34.6#

52 9.1 9.2 13.8#

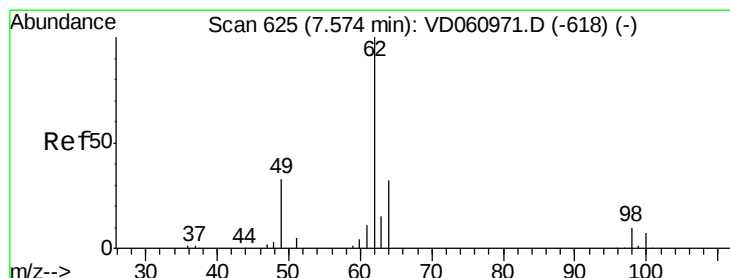
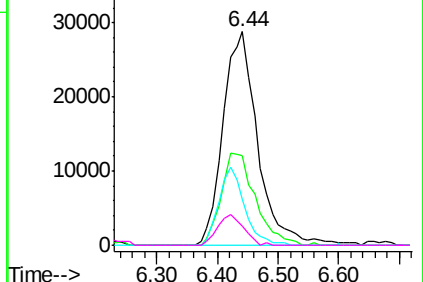
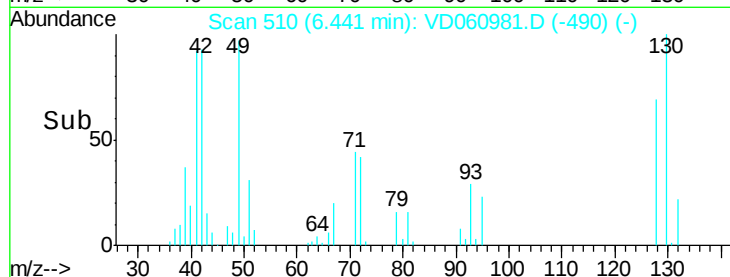


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.788 ug/l

RT: 7.56 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD060981.D

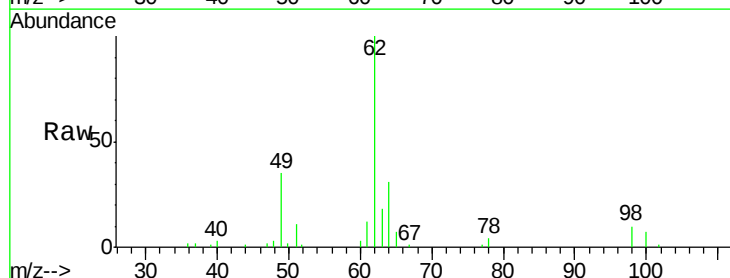
Acq: 8 Mar 2019 13:58

Tgt Ion: 62 Resp: 155156

Ion Ratio Lower Upper

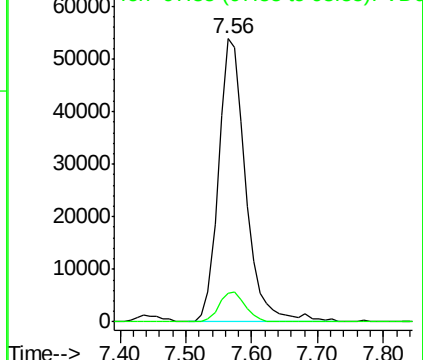
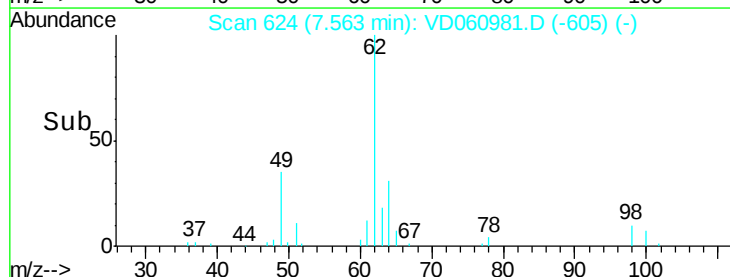
62 100

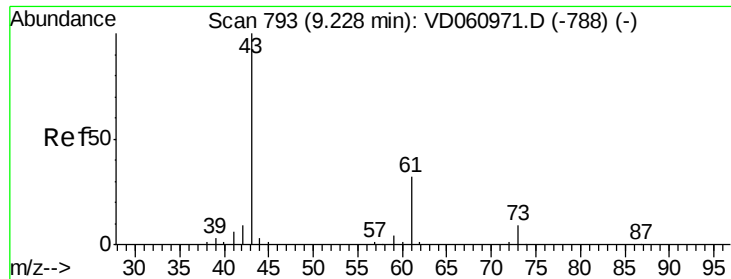
98 10.0 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



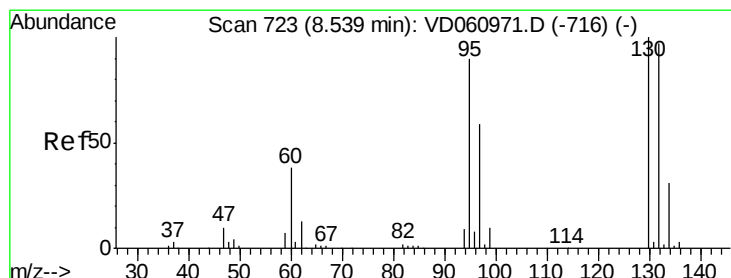
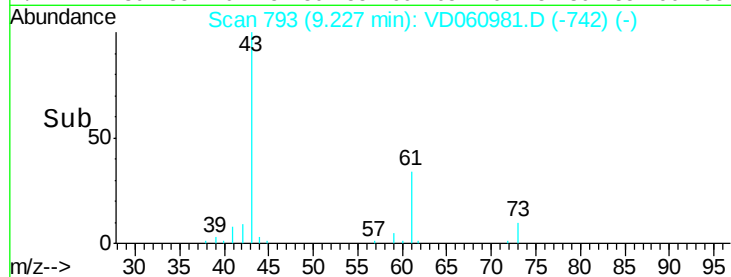
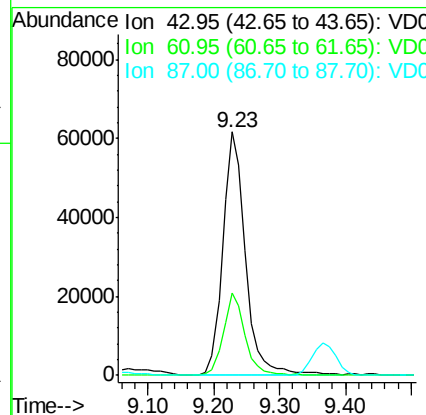
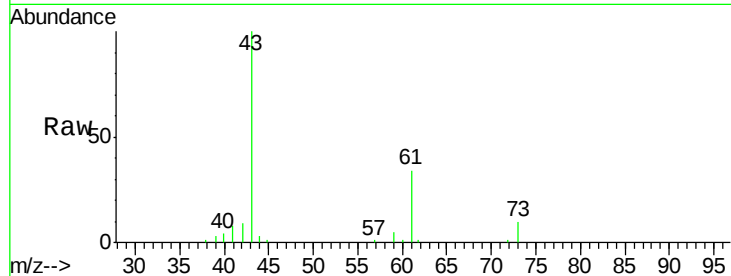


#43

Isopropyl Acetate
 Concen: 19.941 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

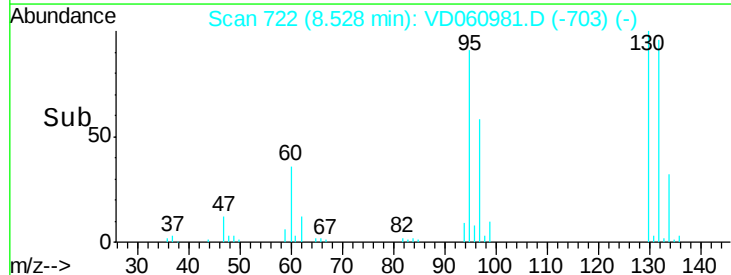
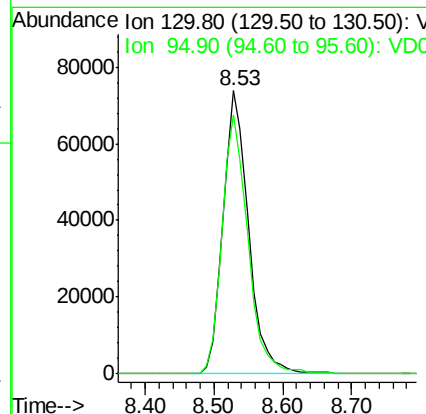
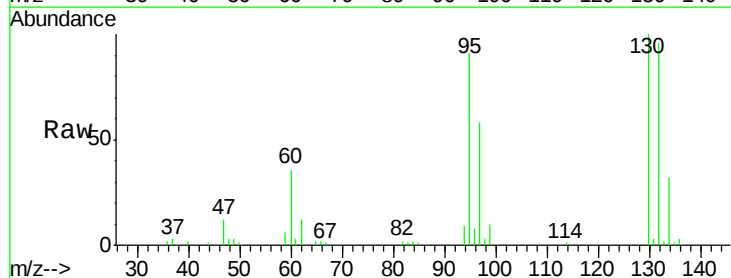
Tot Ion: 43 Resp: 147603
 Ion Ratio Lower Upper
 43 100
 61 33.7 25.6 38.4
 87 0.0 0.2 0.4#



#44

Trichloroethene
 Concen: 19.274 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Tgt Ion:130 Resp: 189226
 Ion Ratio Lower Upper
 130 100
 95 91.3 0.0 179.4





#45

1,2-Dichloropropane

Concen: 19.075 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

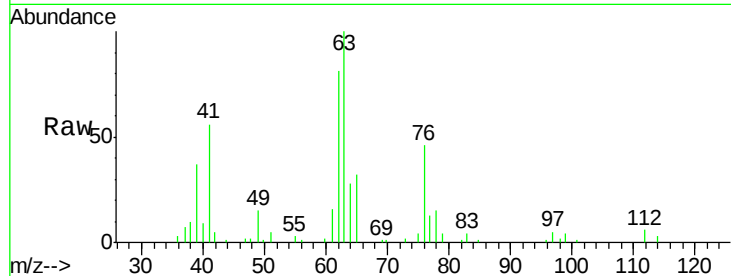
VD0308SBS01

Tot Ion: 63 Resp: 142610

Ion Ratio Lower Upper

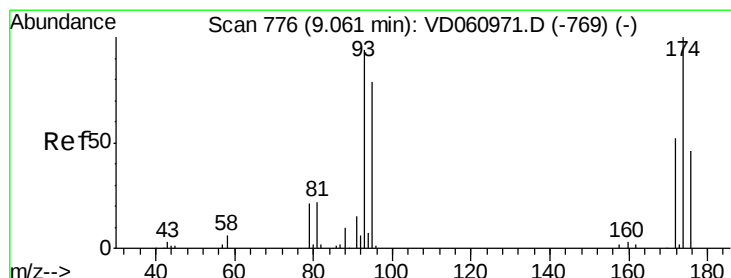
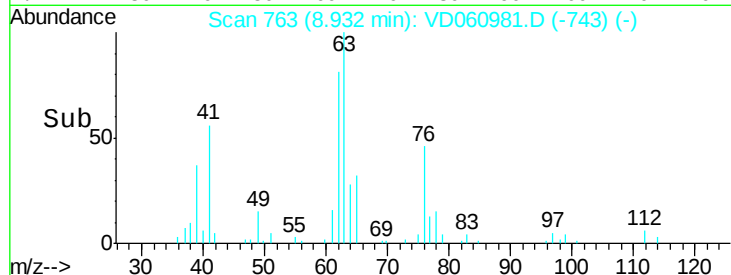
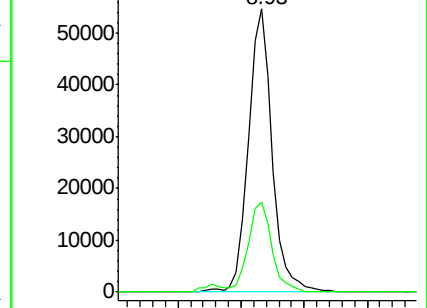
63 100

65 32.0 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.257 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

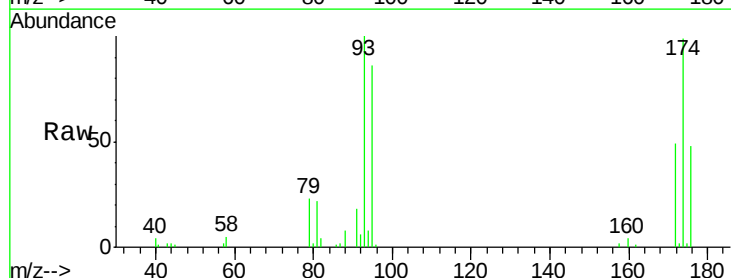
Tgt Ion: 93 Resp: 96065

Ion Ratio Lower Upper

93 100

95 85.8 67.4 101.0

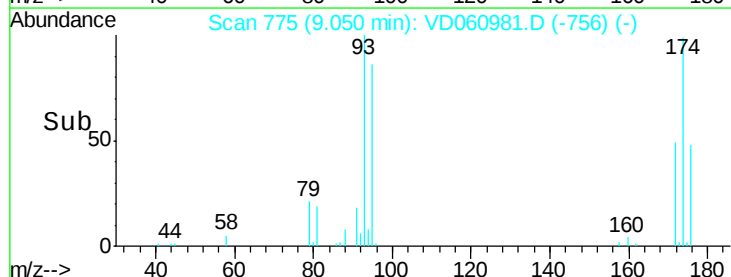
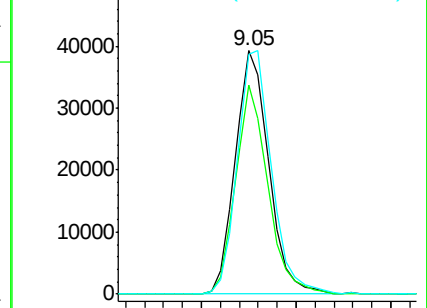
174 98.7 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

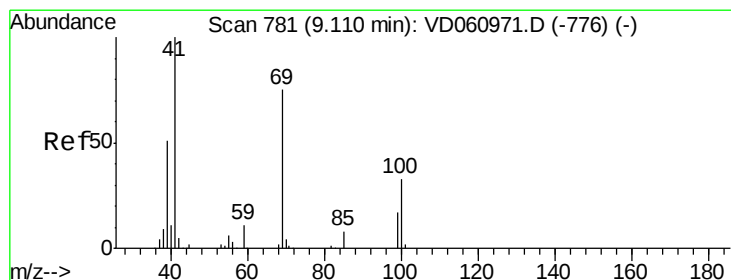
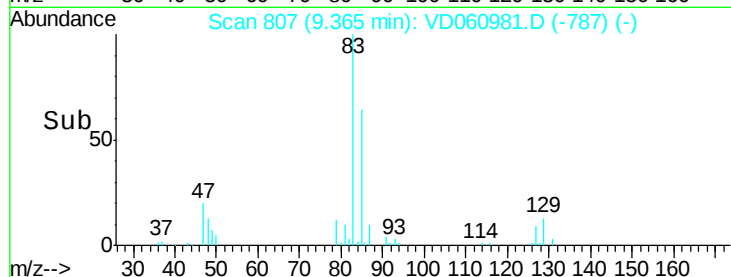
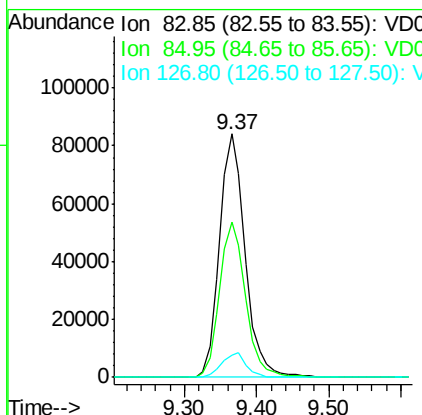
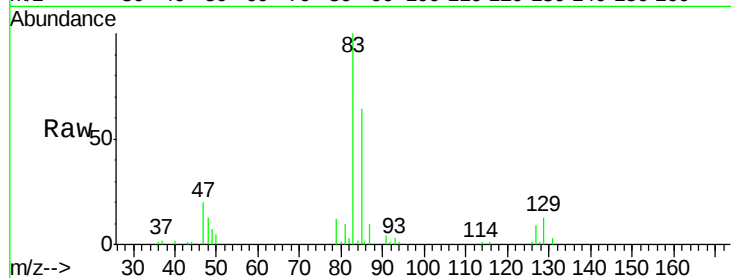




#47
Bromodichloromethane
Concen: 19.202 ug/l
RT: 9.37 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

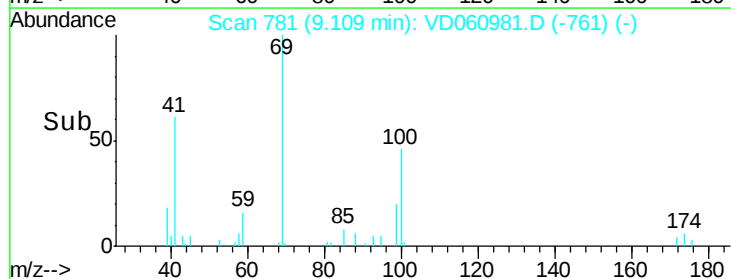
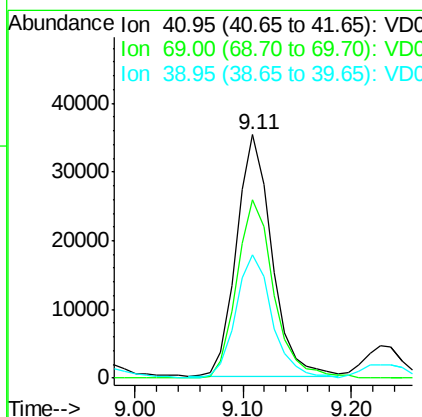
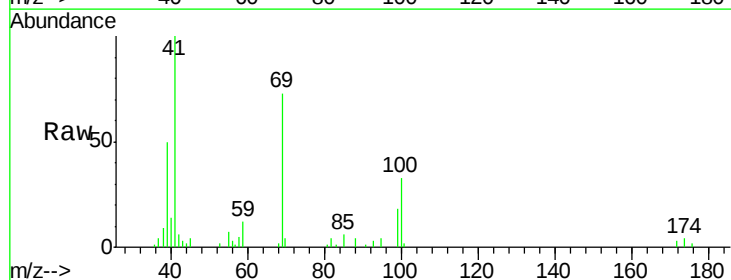
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBSD01

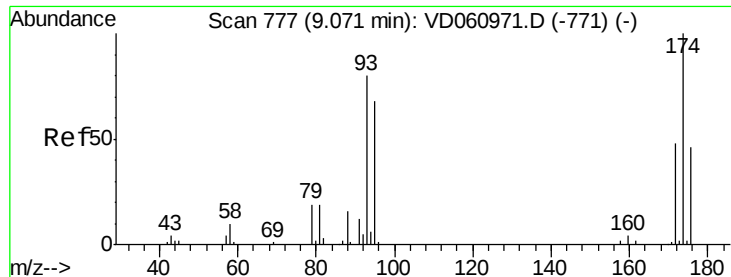
Tot Ion: 83 Resp: 205500
Ion Ratio Lower Upper
83 100
85 64.0 52.5 78.7
127 9.2 7.5 11.3



#48
Methyl methacrylate
Concen: 19.137 ug/l
RT: 9.11 min Scan# 781
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 41 Resp: 79755
Ion Ratio Lower Upper
41 100
69 73.3 59.9 89.9
39 50.4 40.9 61.3

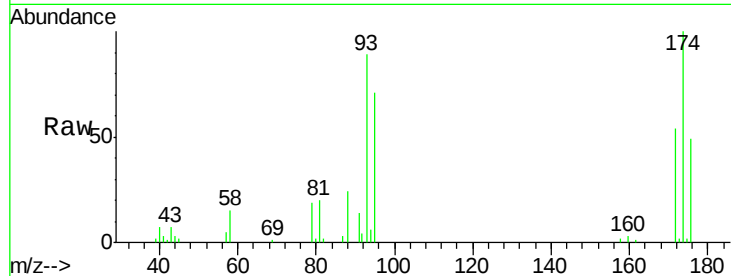




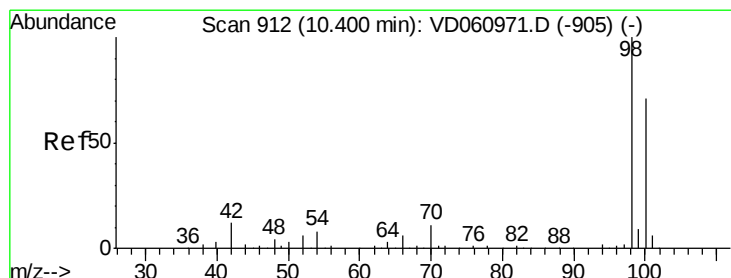
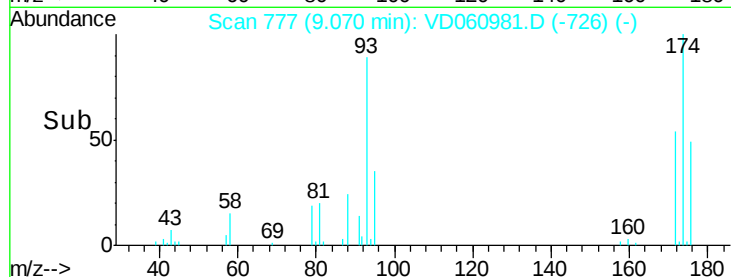
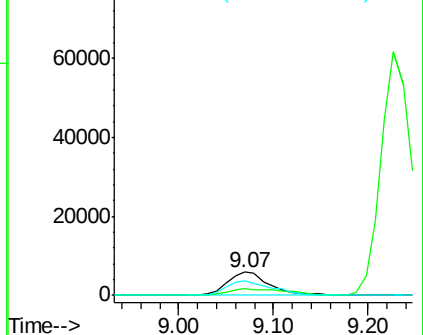
#49
1,4-Dioxane
Concen: 425.894 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBSD01

Tot Ion: 88 Resp: 17948
Ion Ratio Lower Upper
88 100
43 30.2 21.0 31.6
58 61.7 48.6 72.8

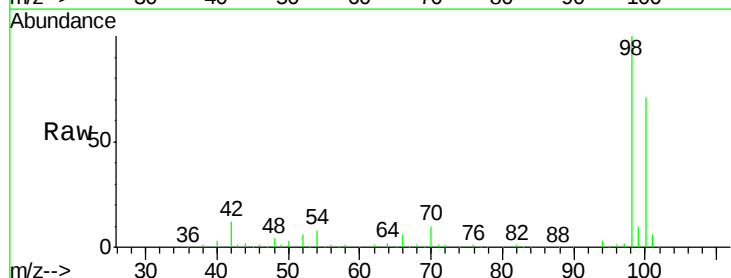


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

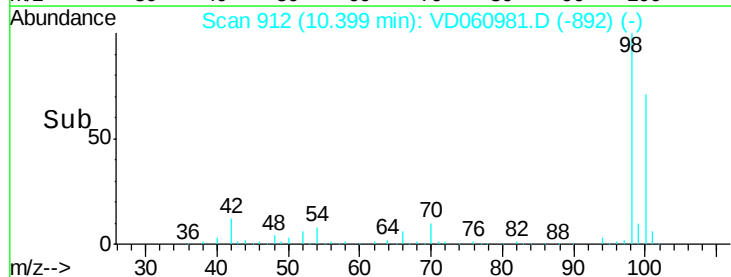
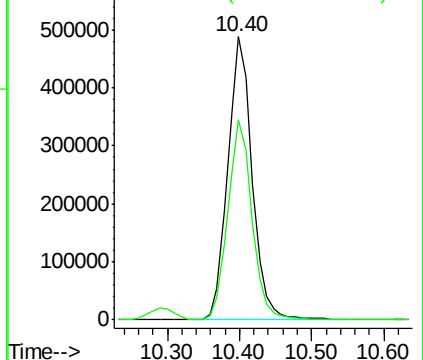


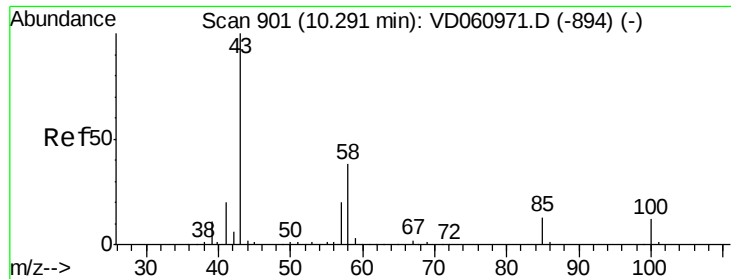
#50
Toluene-d8
Concen: 425.894 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 98 Resp: 1145894
Ion Ratio Lower Upper
98 100
100 70.8 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 90.558 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

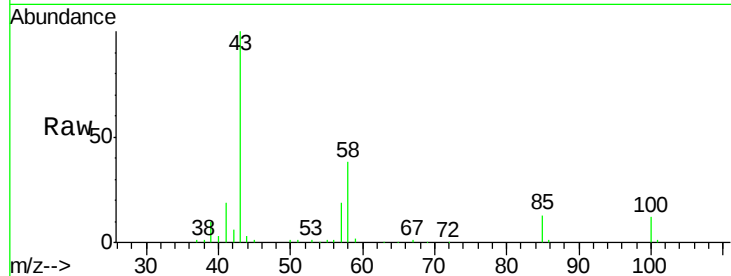
VD0308SBS01

Tot Ion: 43 Resp: 410650

Ion Ratio Lower Upper

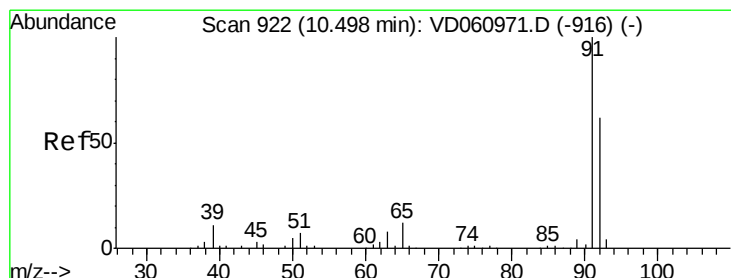
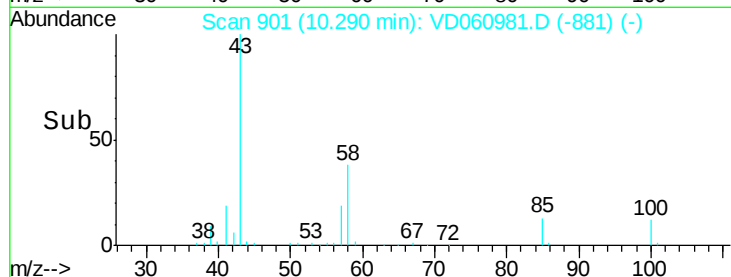
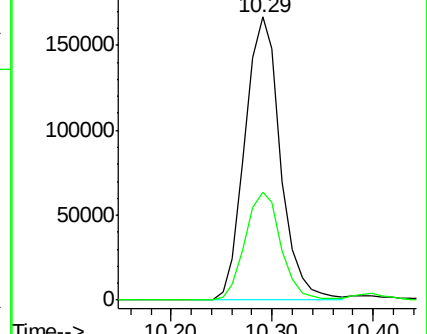
43 100

58 38.0 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.656 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD060981.D

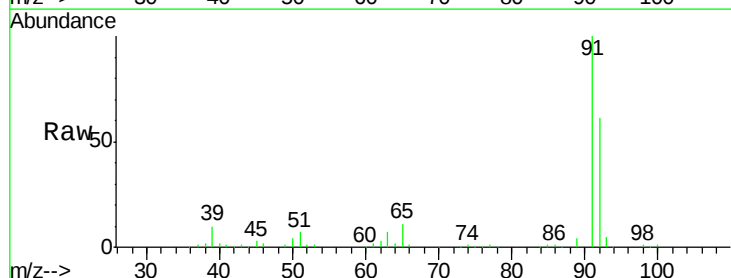
Acq: 8 Mar 2019 13:58

Tgt Ion: 92 Resp: 347835

Ion Ratio Lower Upper

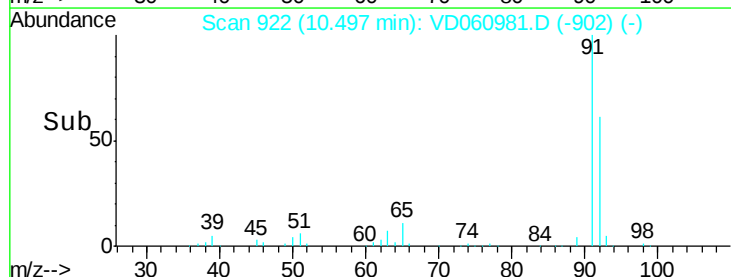
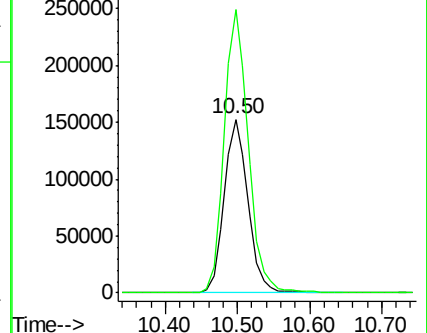
92 100

91 162.8 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.409 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

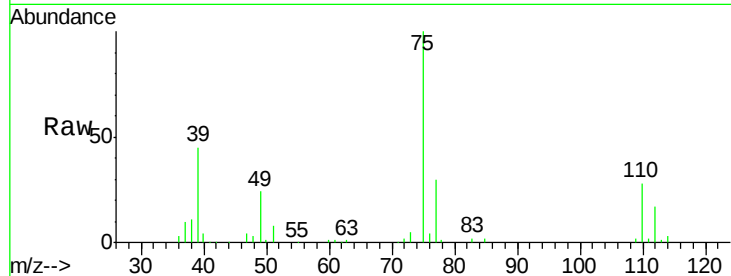
VD0308SBSD01

Tot Ion: 75 Resp: 189927

Ion Ratio Lower Upper

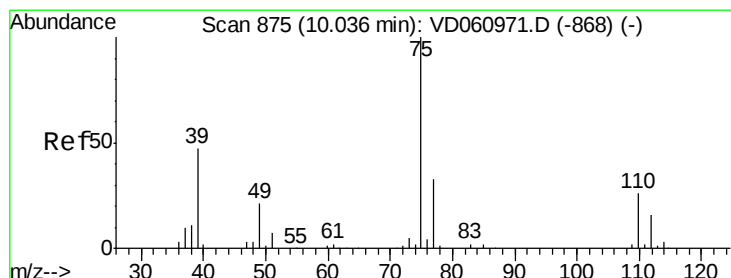
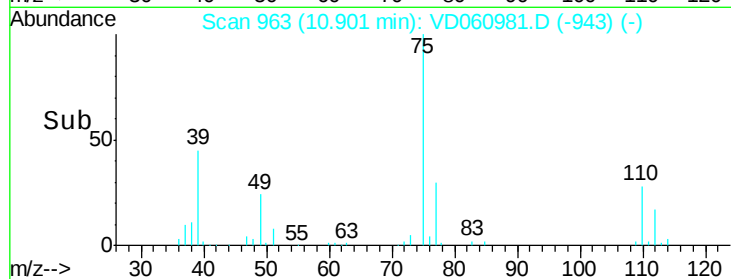
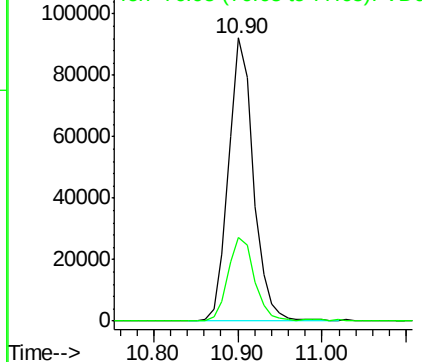
75 100

77 29.5 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.775 ug/l

RT: 10.02 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

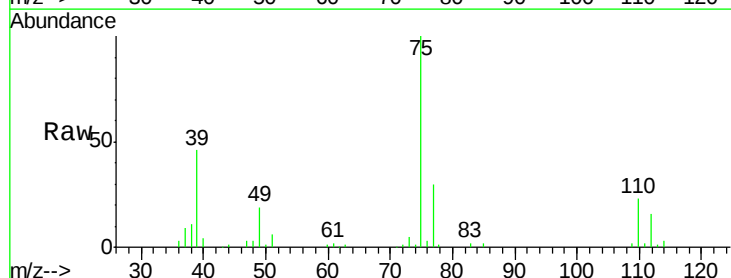
Tgt Ion: 75 Resp: 232506

Ion Ratio Lower Upper

75 100

77 29.5 26.2 39.4

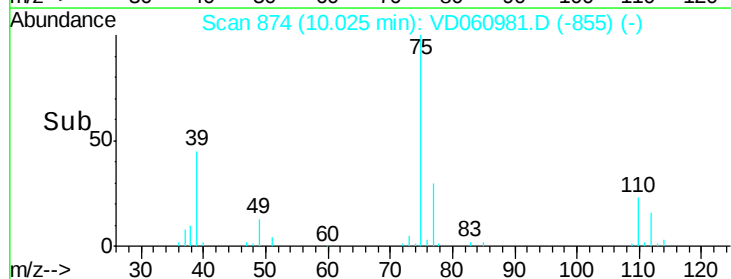
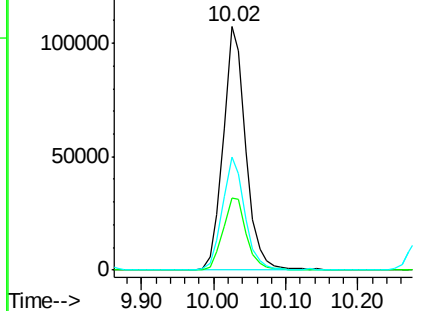
39 46.4 37.8 56.8

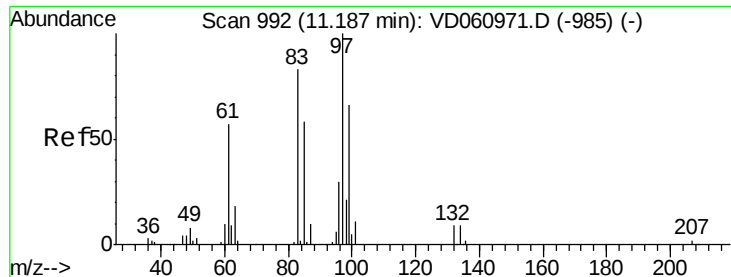


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

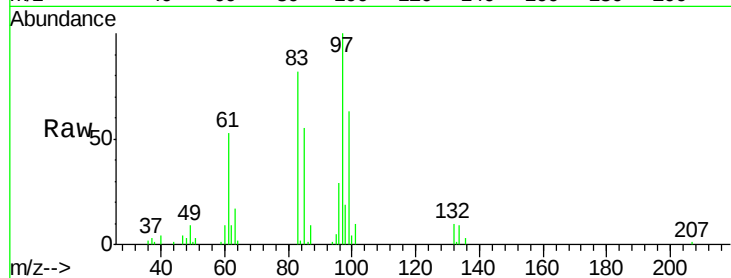




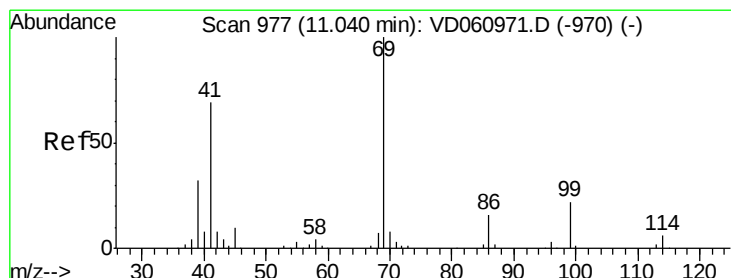
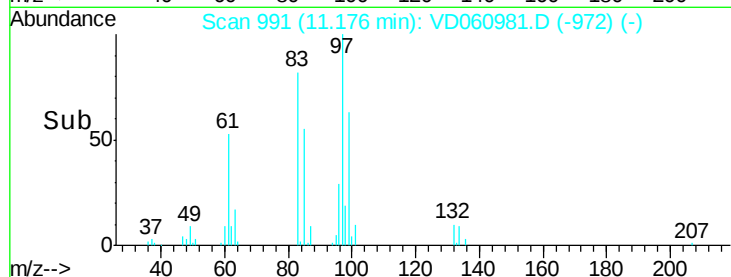
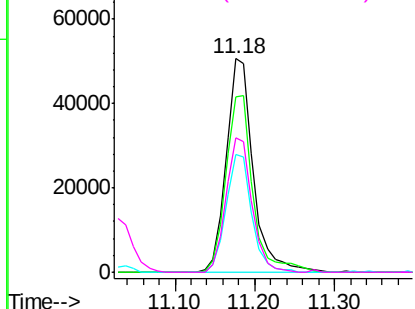
#55
 1,1,2-Trichloroethane
 Concen: 20.387 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

Tot Ion: 97 Resp: 120143
 Ion Ratio Lower Upper
 97 100
 83 82.3 66.6 100.0
 85 55.0 46.4 69.6
 99 62.8 52.4 78.6

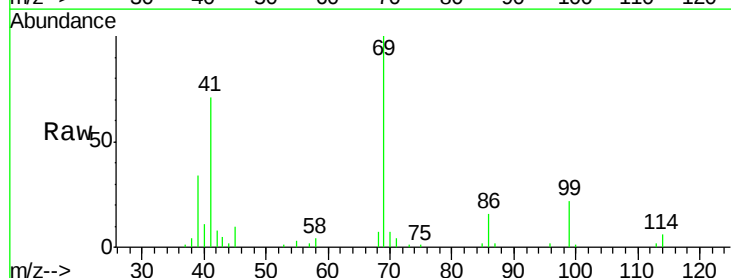


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

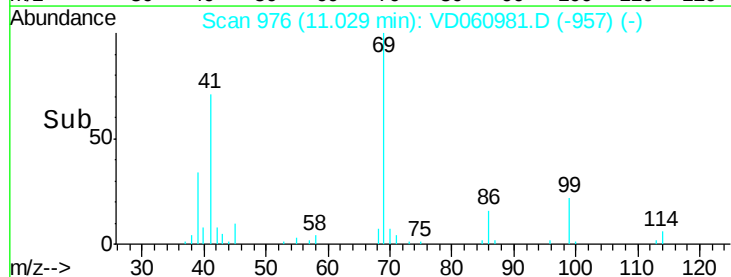
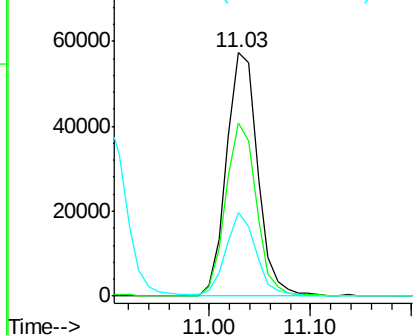


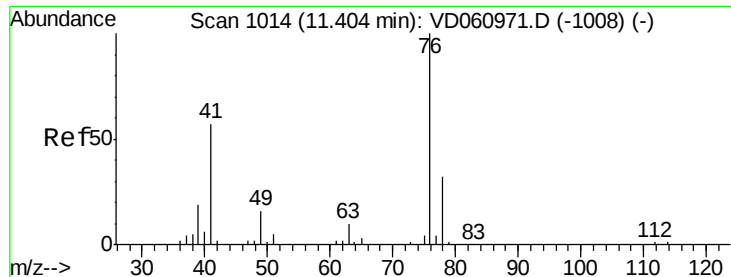
#56
 Ethyl methacrylate
 Concen: 19.977 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Tgt Ion: 69 Resp: 123228
 Ion Ratio Lower Upper
 69 100
 41 71.1 55.5 83.3
 39 34.2 26.2 39.2



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

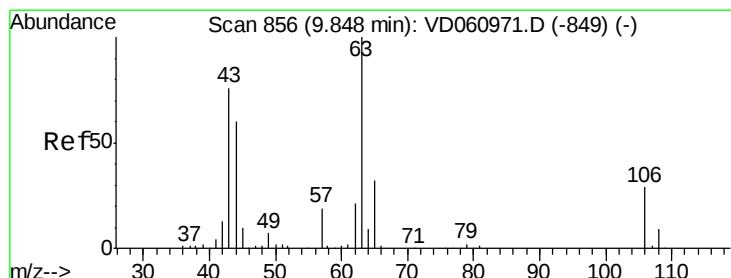
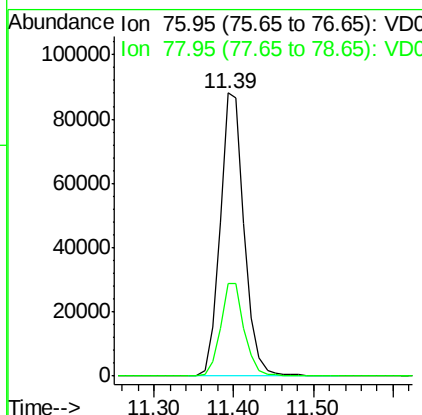
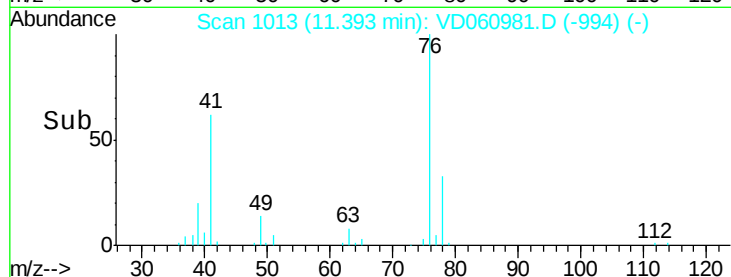
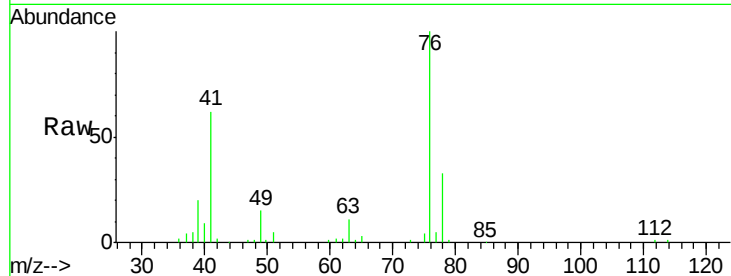




#57
 1,3-Dichloropropane
 Concen: 21.204 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

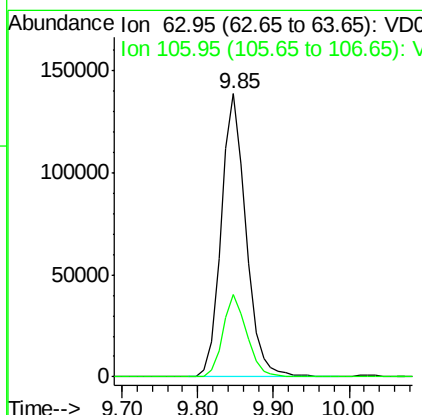
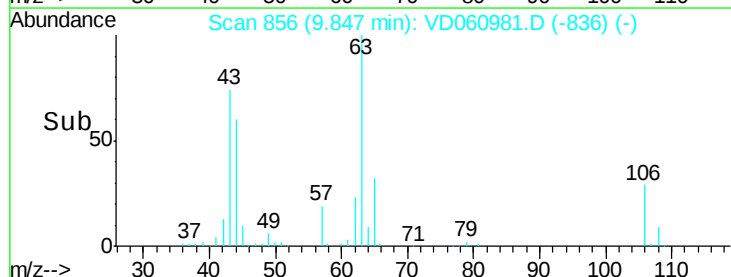
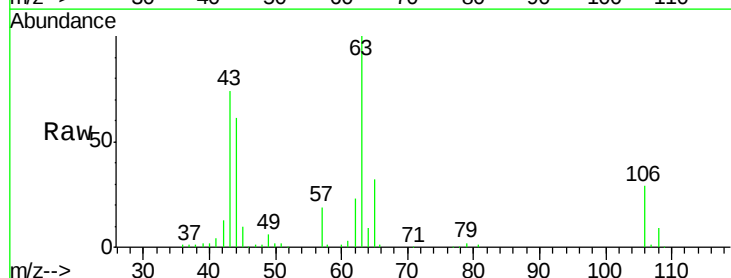
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBSD01

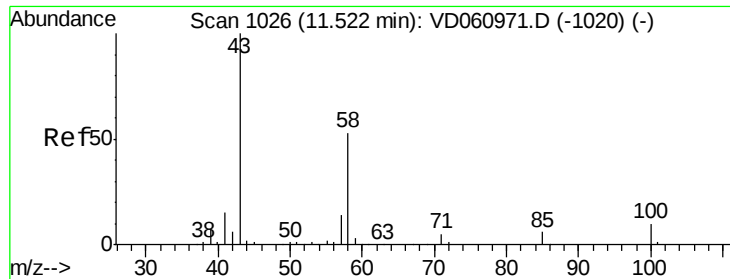
Tot Ion: 76 Resp: 186733
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.542 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Tgt Ion: 63 Resp: 315215
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.8 34.2

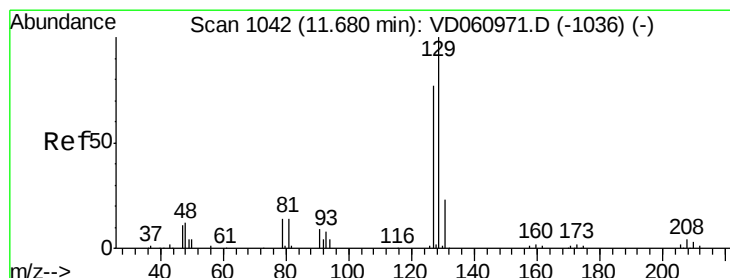
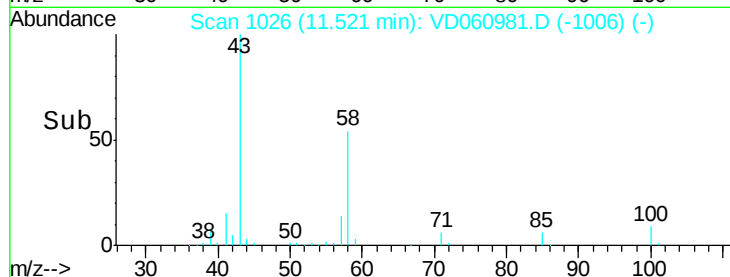
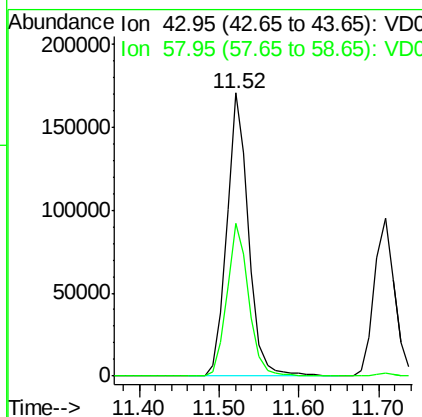
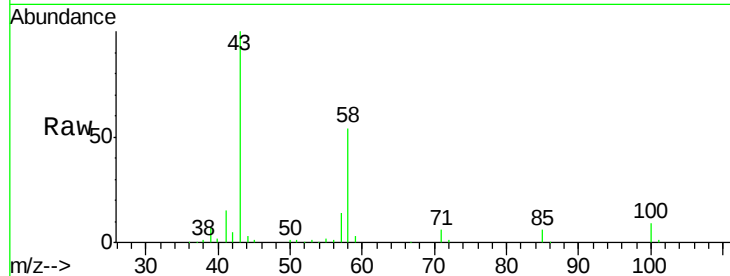




#59
2-Hexanone
Concen: 98.020 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

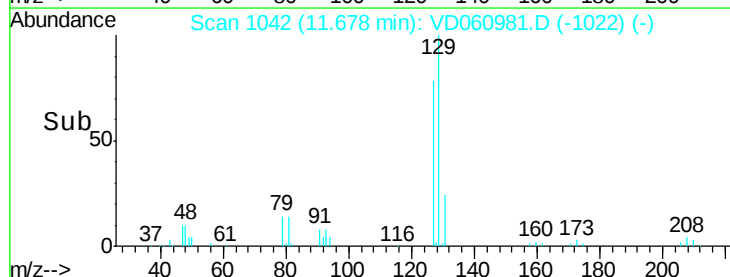
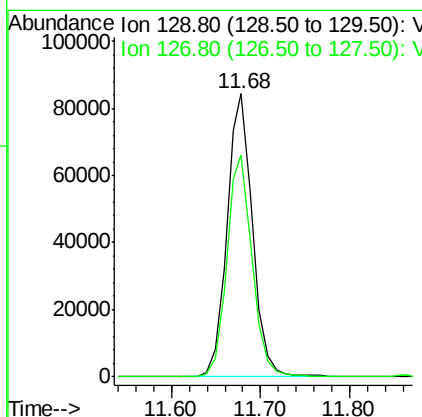
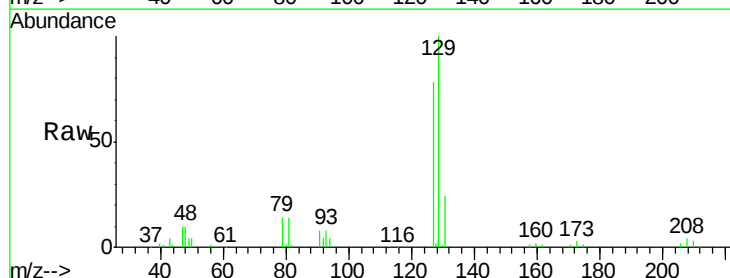
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBSD01

Tot Ion: 43 Resp: 325142
Ion Ratio Lower Upper
43 100
58 54.0 26.5 79.5



#60
Dibromochloromethane
Concen: 19.514 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 129 Resp: 169242
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.9

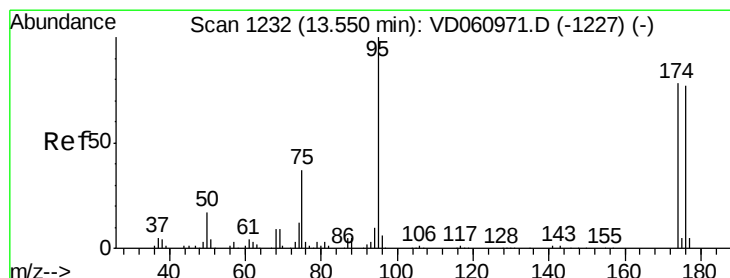
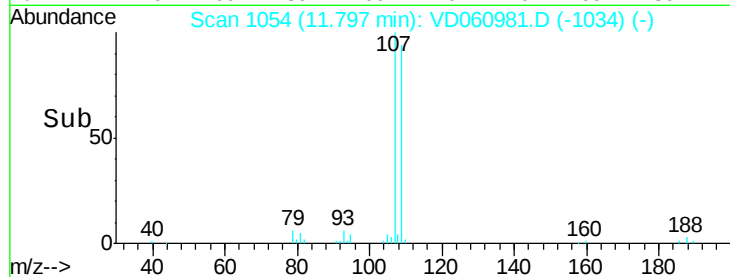
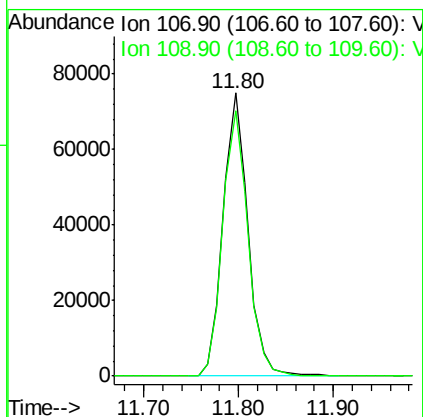
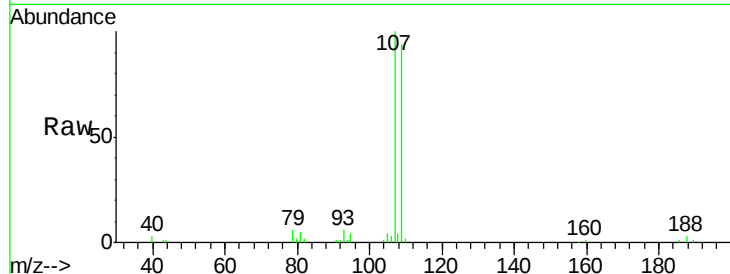




#61
 1,2-Dibromoethane
 Concen: 19.925 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

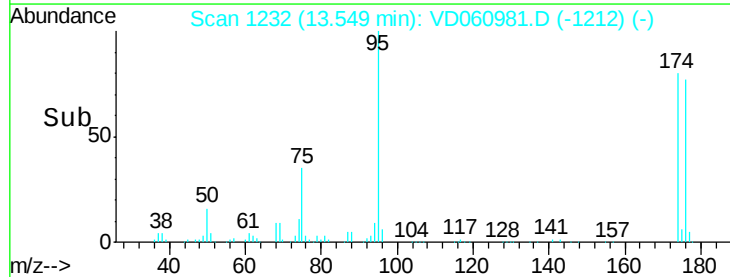
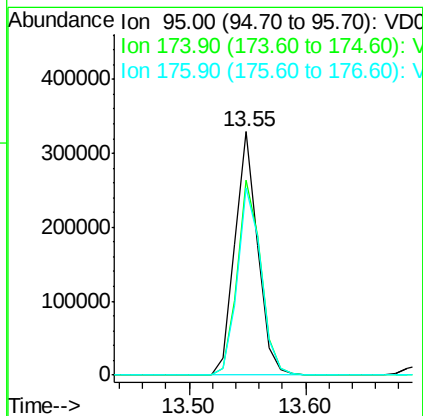
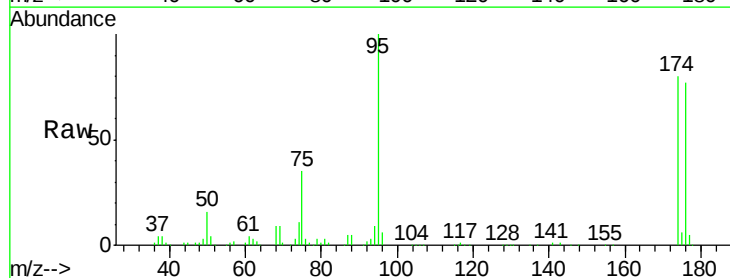
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBSD01

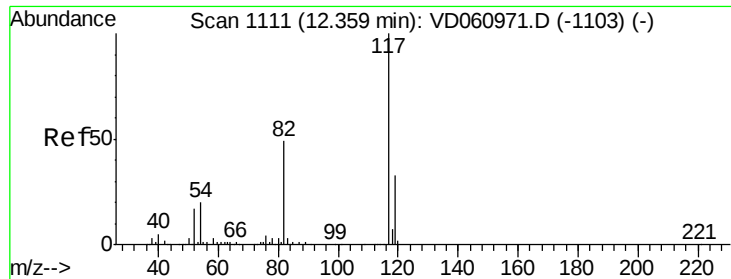
Tot Ion:107 Resp: 136595
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 19.925 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Tgt Ion: 95 Resp: 445921
 Ion Ratio Lower Upper
 95 100
 174 80.1 0.0 155.6
 176 77.0 0.0 153.8

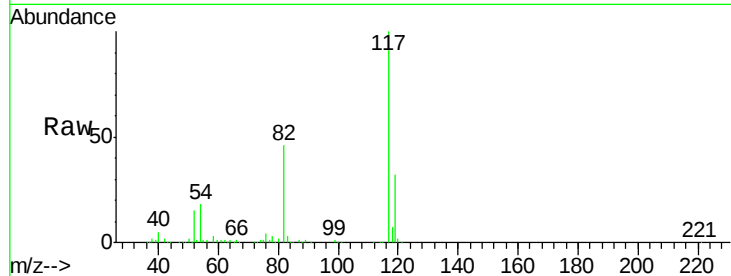




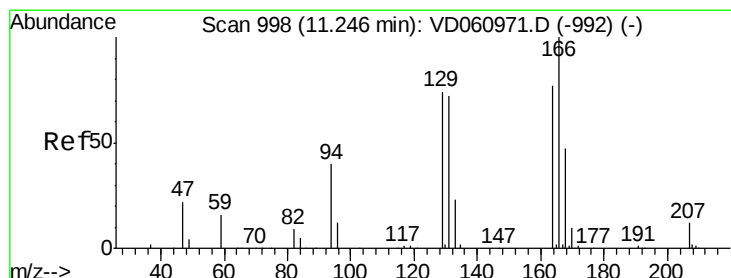
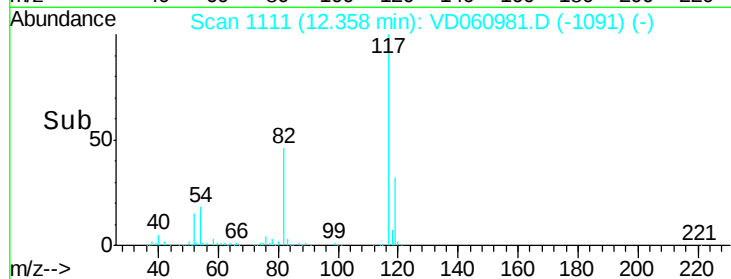
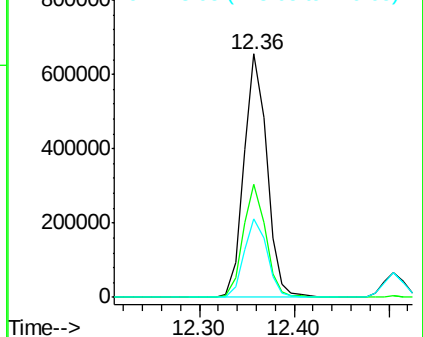
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBSD01

Tot Ion:117 Resp: 1101373
Ion Ratio Lower Upper
117 100
82 46.2 38.9 58.3
119 32.2 26.6 39.8

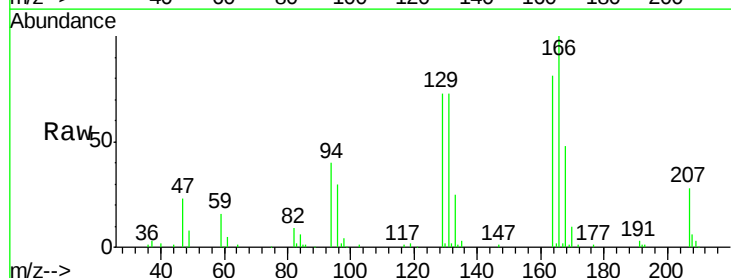


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

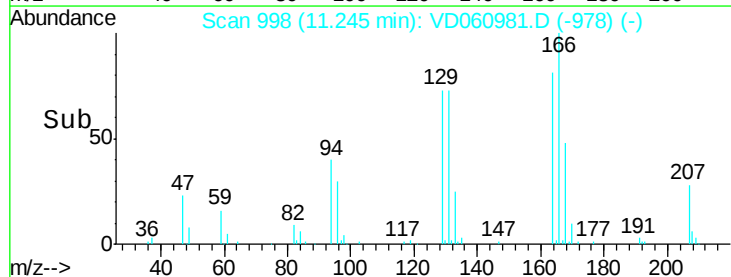
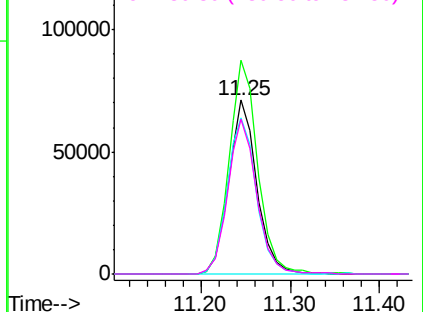


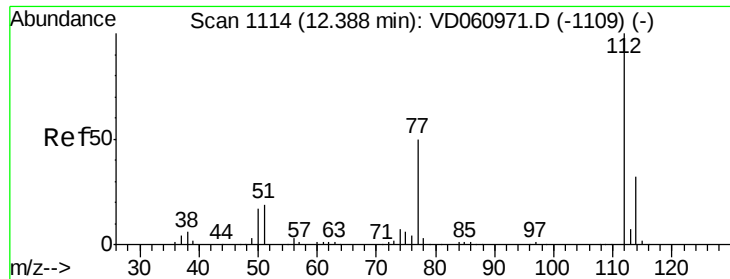
#64
Tetrachloroethene
Concen: 21.149 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion:164 Resp: 157237
Ion Ratio Lower Upper
164 100
166 122.8 103.4 155.0
129 90.0 76.9 115.3
131 89.1 74.4 111.6



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

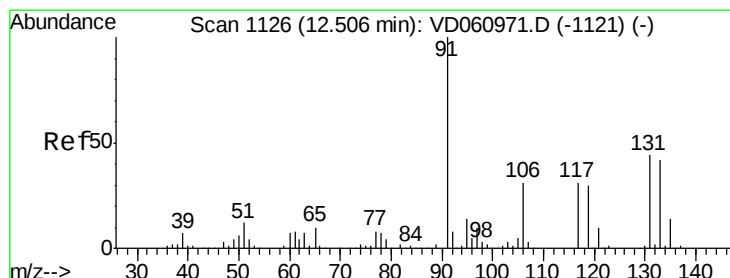
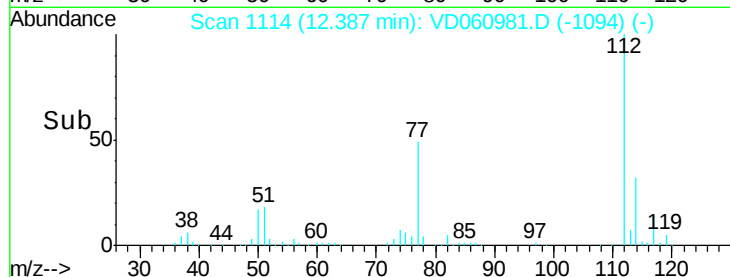
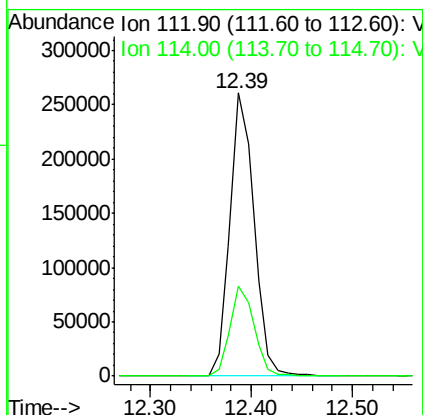
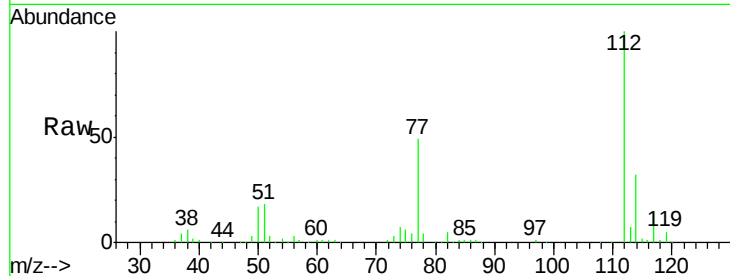




#65
Chlorobenzene
Concen: 20.073 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

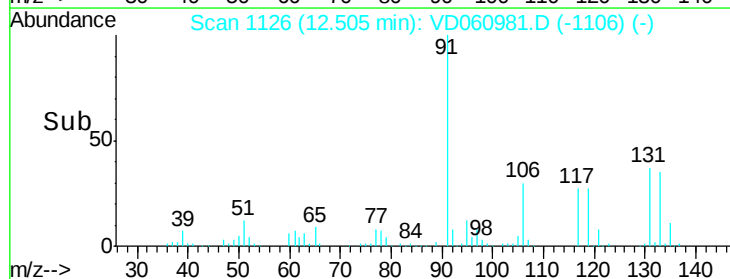
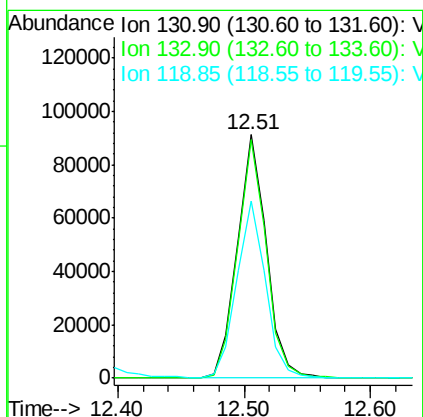
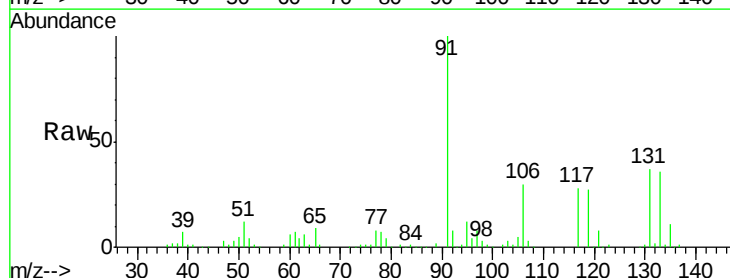
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

Tot Ion:112 Resp: 433413
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.883 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion:131 Resp: 145332
Ion Ratio Lower Upper
131 100
133 98.0 47.8 143.3
119 72.9 34.3 102.9

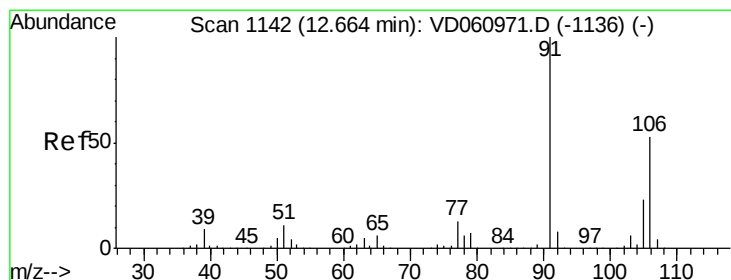
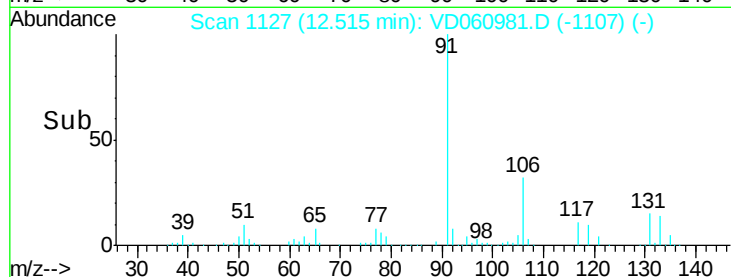
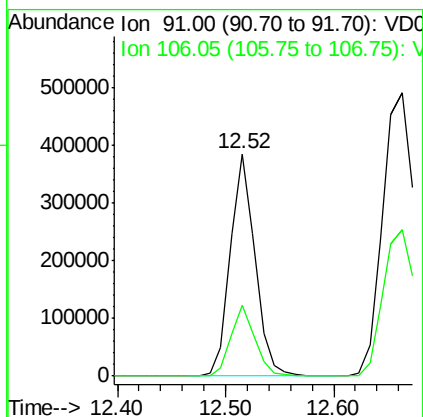
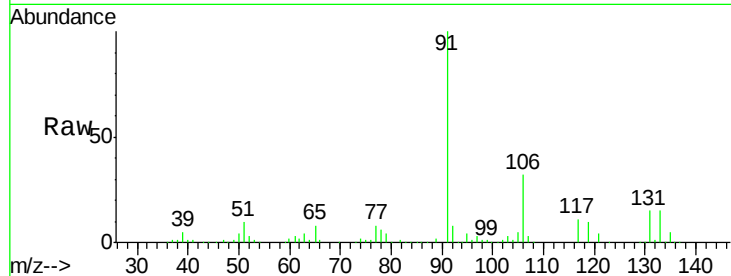




#67
Ethyl Benzene
Concen: 19.099 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

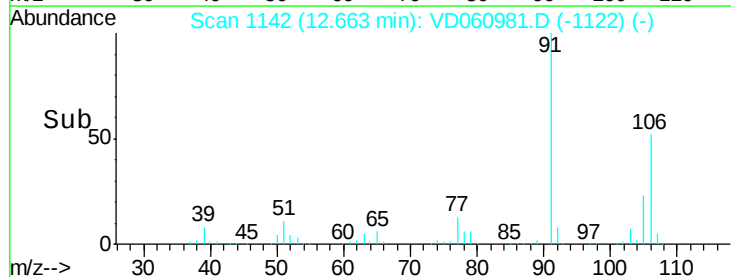
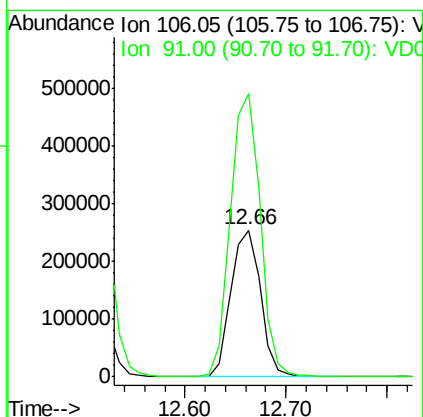
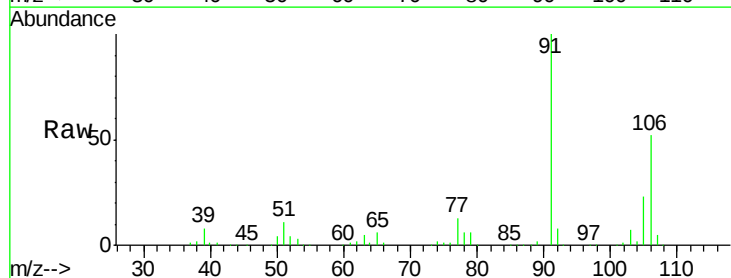
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

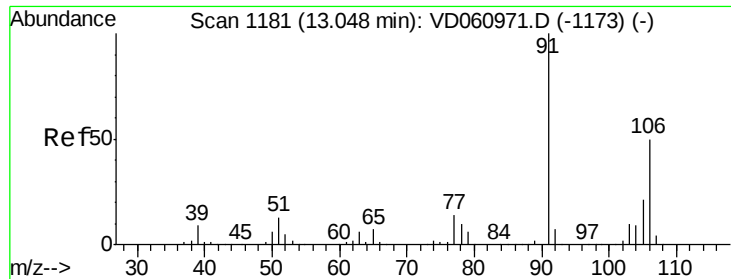
Tot Ion: 91 Resp: 613913
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5



#68
m/p-Xylenes
Concen: 41.135 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 106 Resp: 518986
Ion Ratio Lower Upper
106 100
91 193.0 152.0 228.0

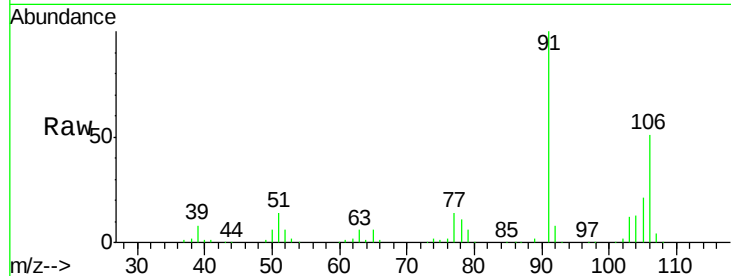




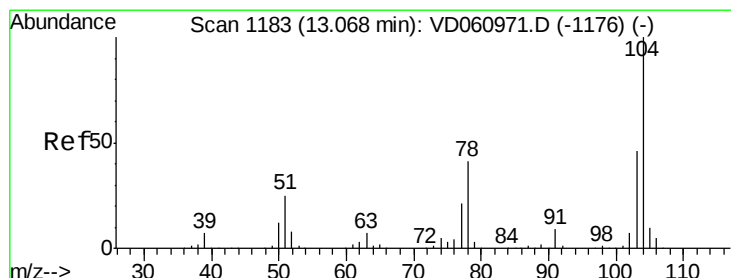
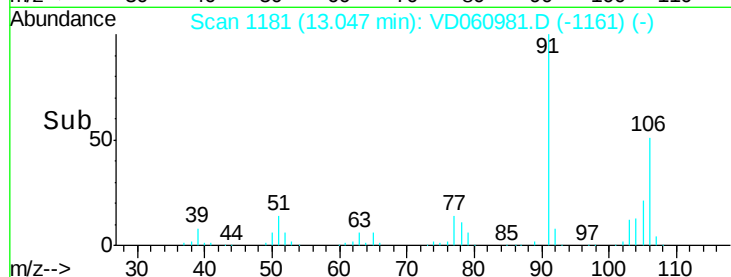
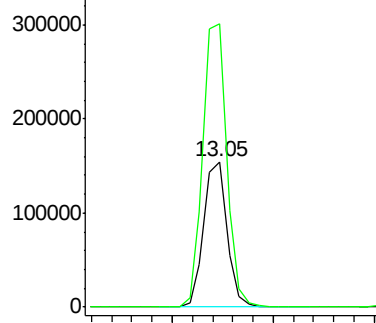
#69
o-Xylene
Concen: 19.926 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Instrument :
MSVOA_D
ClientSampleID :
VD0308SBSD01

Tot Ion:106 Resp: 247120
Ion Ratio Lower Upper
106 100
91 194.8 99.8 299.3

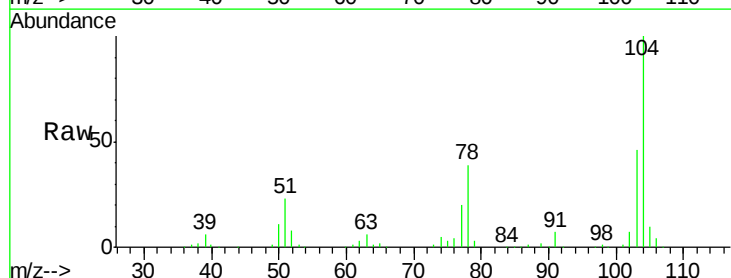


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

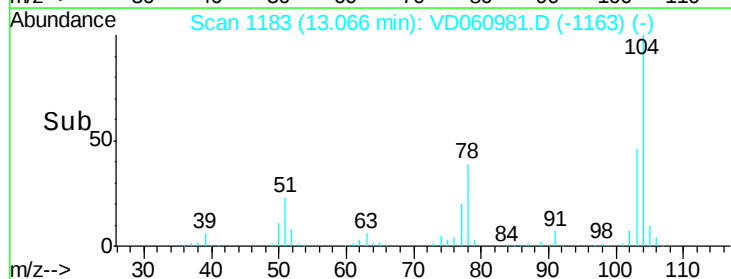
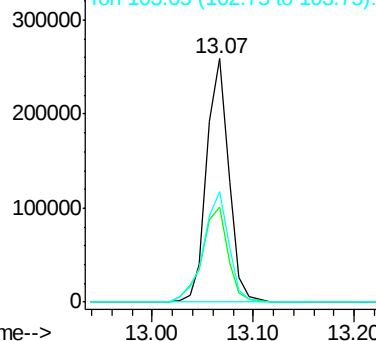


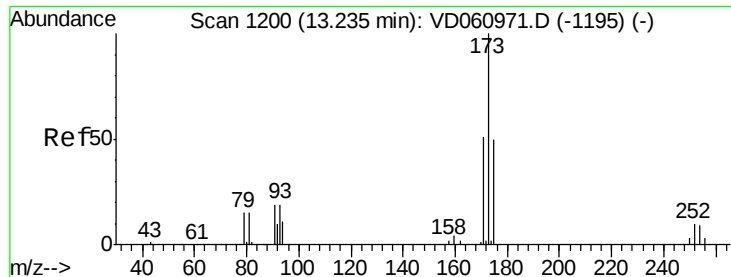
#70
Styrene
Concen: 19.435 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion:104 Resp: 393571
Ion Ratio Lower Upper
104 100
78 39.2 33.0 49.4
103 45.6 37.1 55.7



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





#71

Bromoform

Concen: 19.543 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

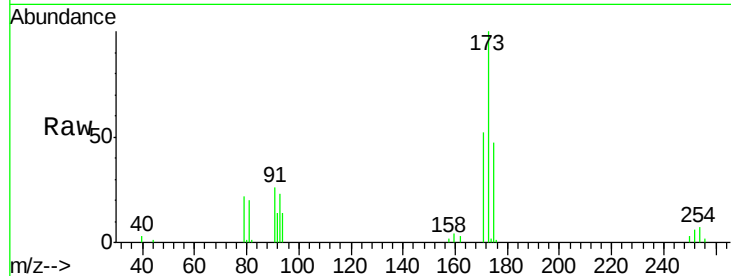
Tot Ion:173 Resp: 97030

Ion Ratio Lower Upper

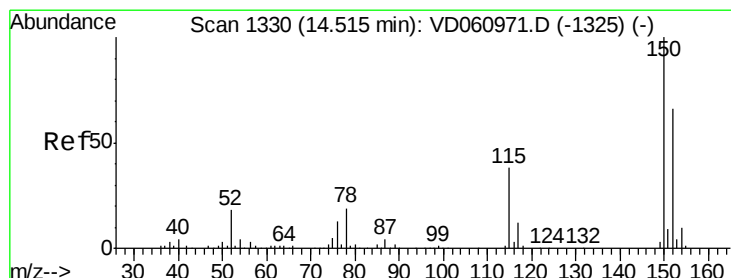
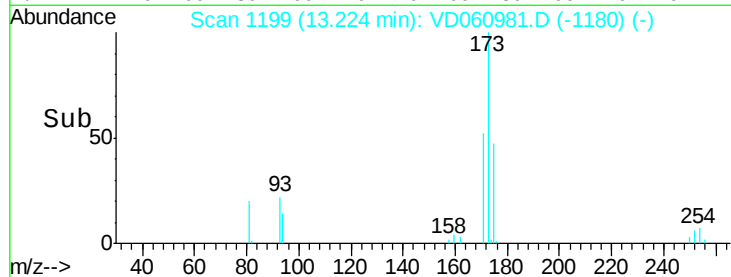
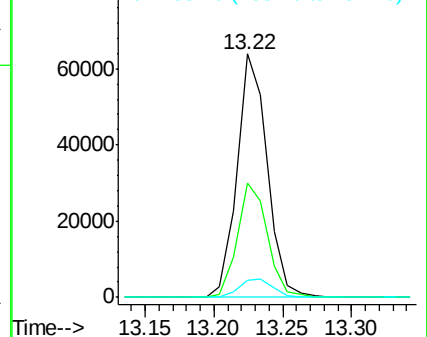
173 100

175 46.8 24.9 74.8

254 6.8 7.3 10.9#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

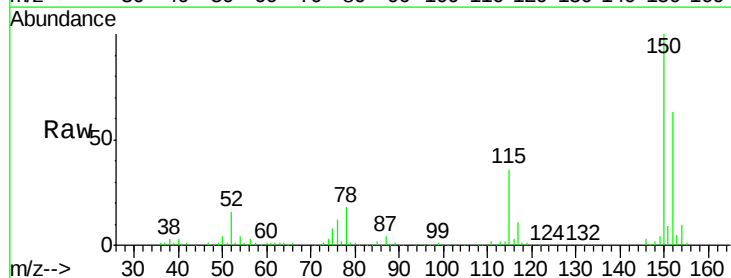
Tgt Ion:152 Resp: 461946

Ion Ratio Lower Upper

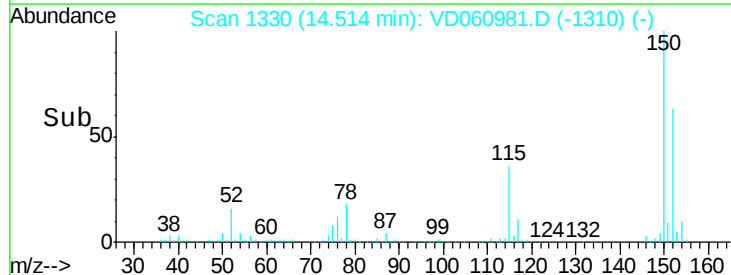
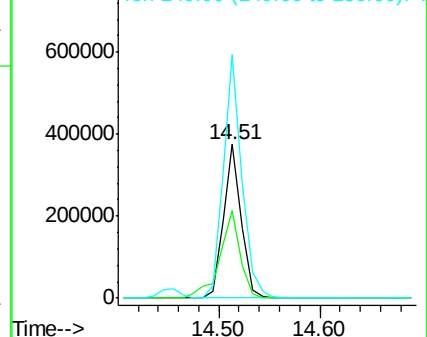
152 100

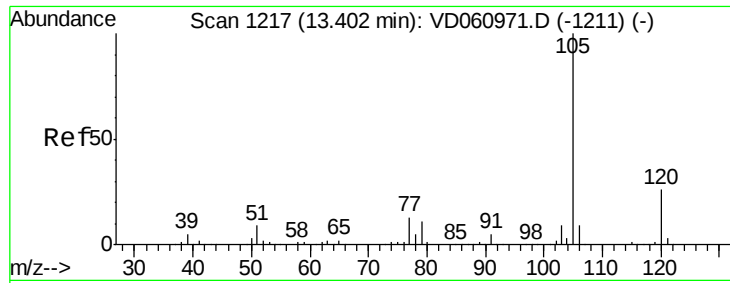
115 56.7 28.6 85.9

150 158.4 0.0 310.6



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





#73

Isopropylbenzene

Concen: 19.835 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

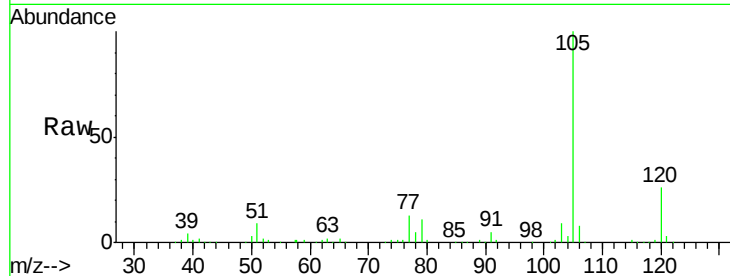
VD0308SBSD01

Tot Ion:105 Resp: 660344

Ion Ratio Lower Upper

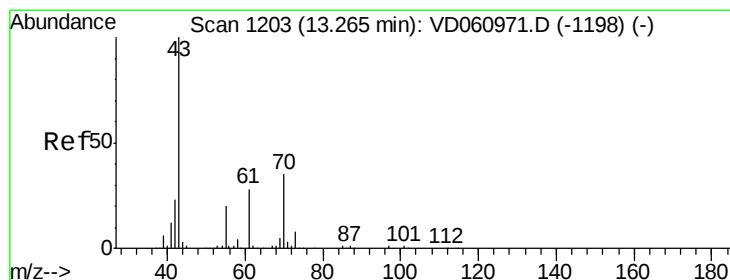
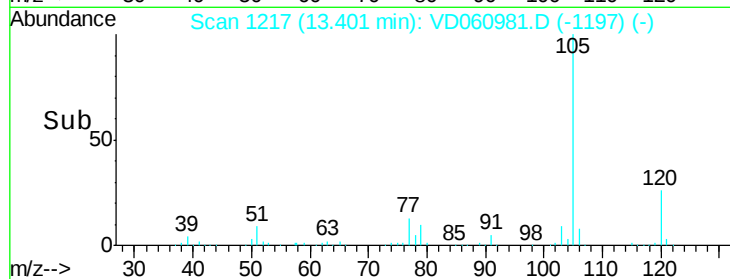
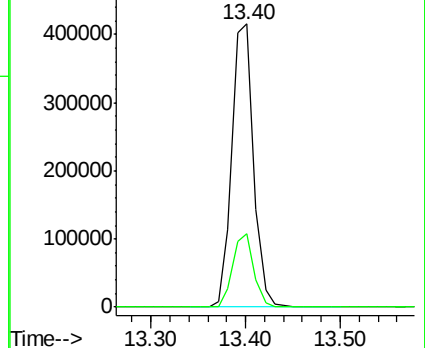
105 100

120 25.9 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.379 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Tgt Ion: 43 Resp: 181665

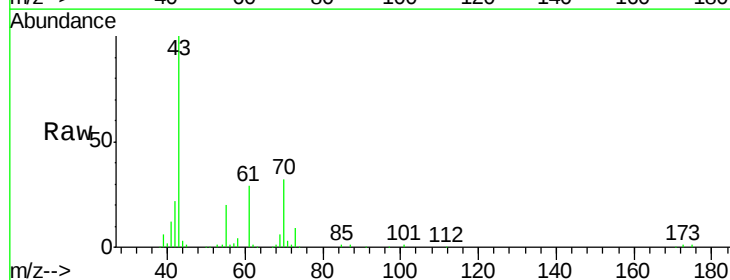
Ion Ratio Lower Upper

43 100

70 32.2 27.7 41.5

55 19.7 16.2 24.2

61 29.3 22.3 33.5

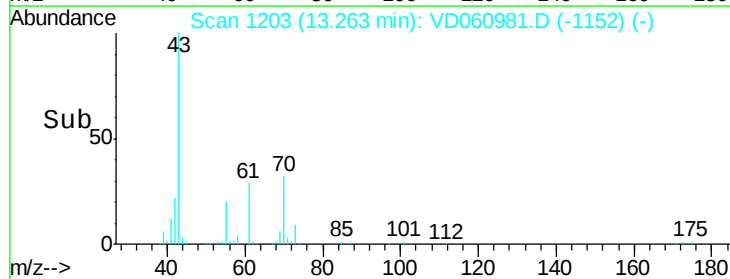
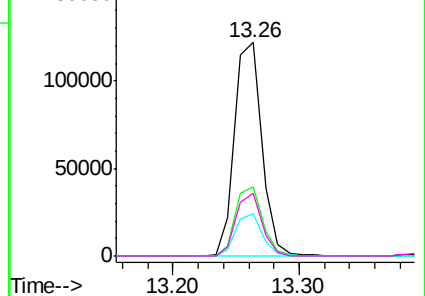


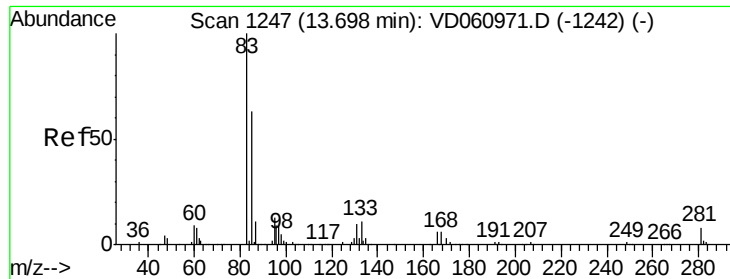
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.718 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

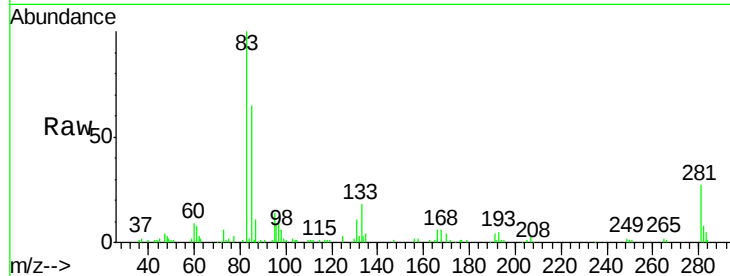
Tot Ion: 83 Resp: 121583

Ion Ratio Lower Upper

83 100

131 11.1 5.1 15.3

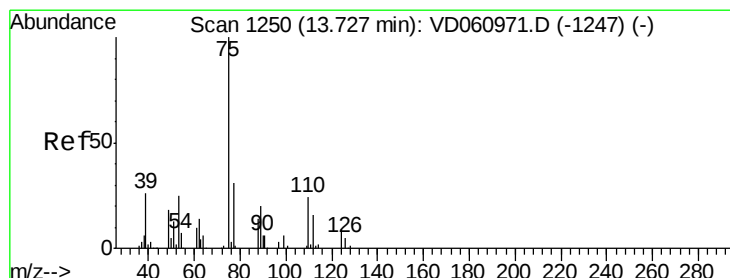
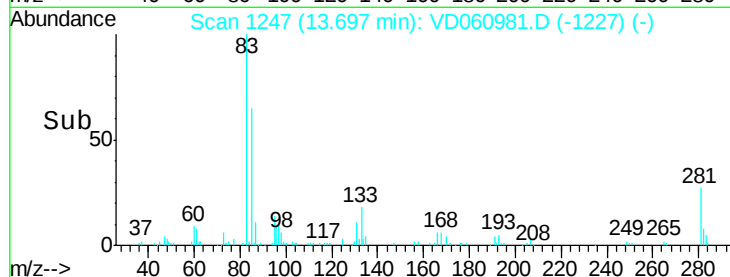
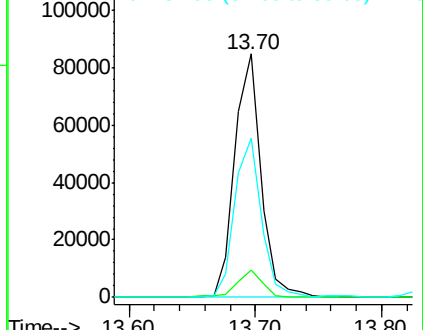
85 65.4 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.145 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD060981.D

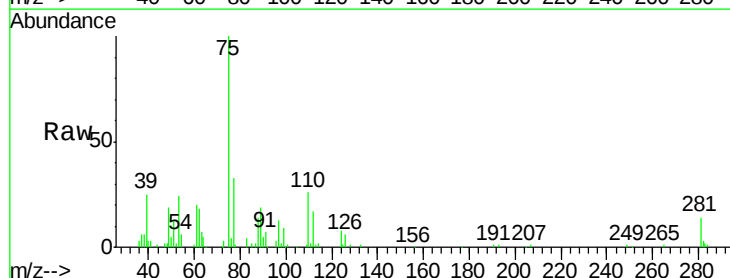
Acq: 8 Mar 2019 13:58

Tgt Ion: 75 Resp: 127239

Ion Ratio Lower Upper

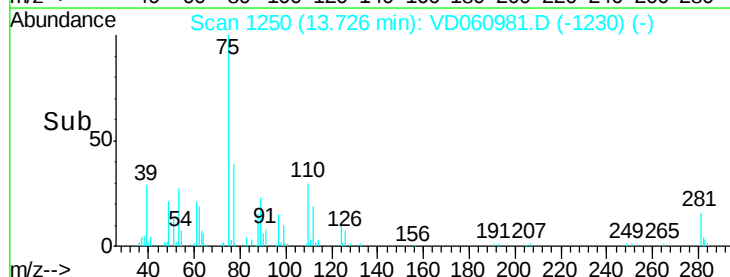
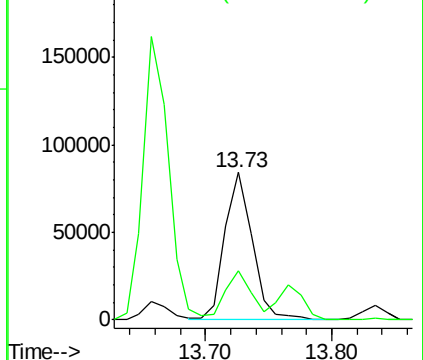
75 100

77 33.4 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.230 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBSD01

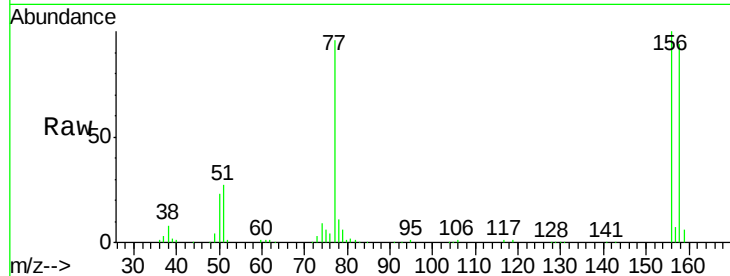
Tot Ion:156 Resp: 180420

Ion Ratio Lower Upper

156 100

77 95.9 55.5 166.7

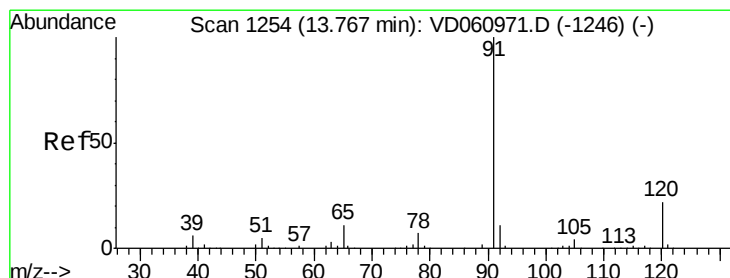
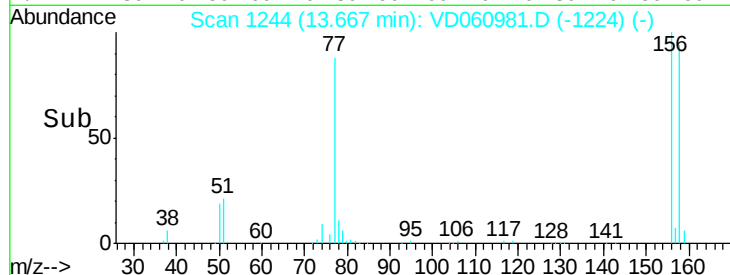
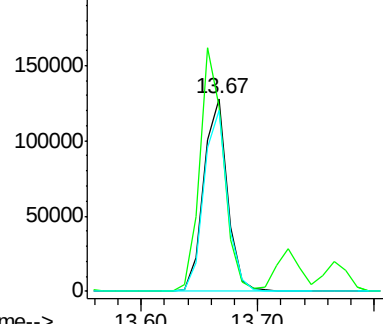
158 93.6 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.472 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD060981.D

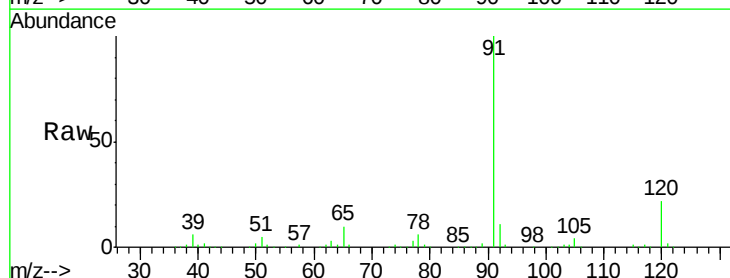
Acq: 8 Mar 2019 13:58

Tgt Ion: 91 Resp: 797881

Ion Ratio Lower Upper

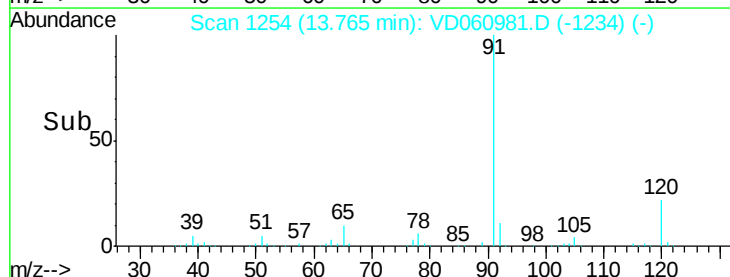
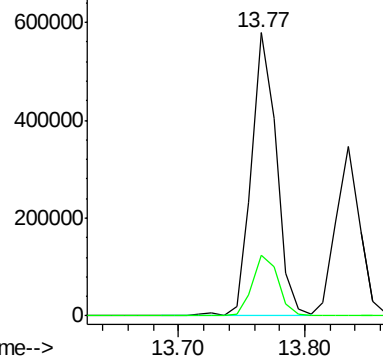
91 100

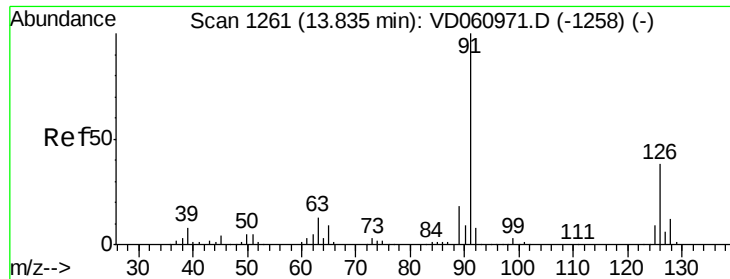
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.209 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

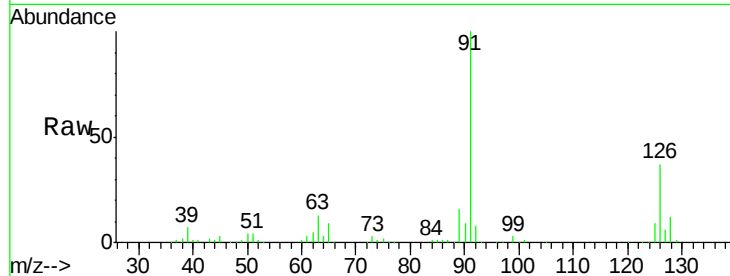
VD0308SBS01

Tot Ion: 91 Resp: 455081

Ion Ratio Lower Upper

91 100

126 37.0 18.6 55.6



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

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

600000

400000

200000

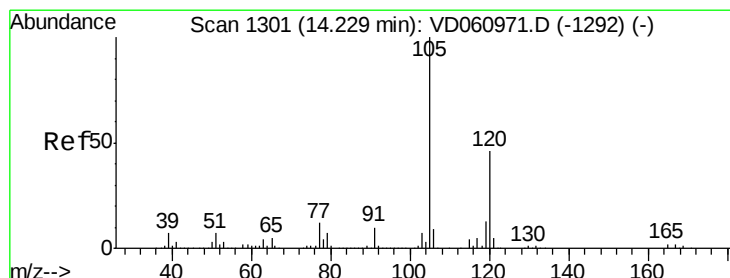
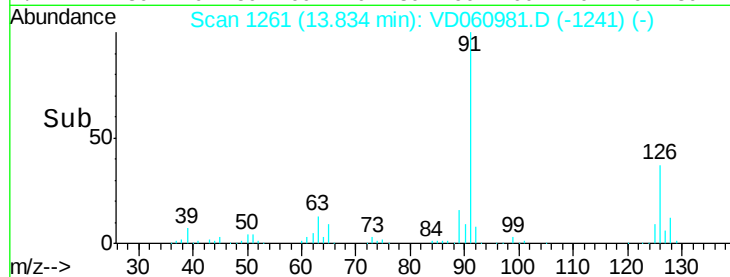
0

13.83

13.85

13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.551 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD060981.D

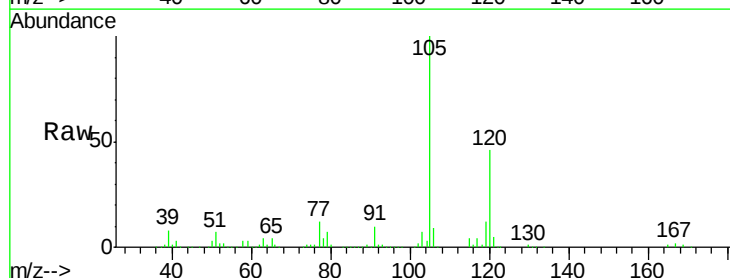
Acq: 8 Mar 2019 13:58

Tgt Ion: 105 Resp: 544673

Ion Ratio Lower Upper

105 100

120 45.7 22.9 68.5



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

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

500000

400000

300000

200000

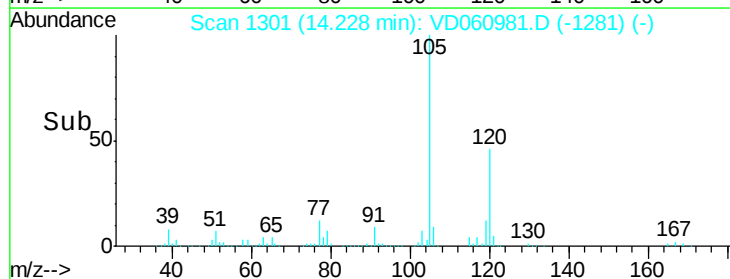
100000

0

14.23

14.30

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.885 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBSD01

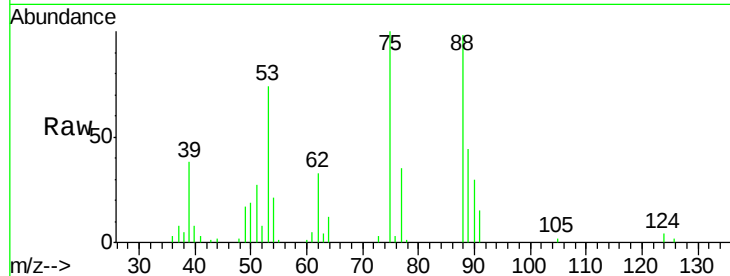
Tot Ion: 75 Resp: 37002

Ion Ratio Lower Upper

75 100

53 73.8 64.4 96.6

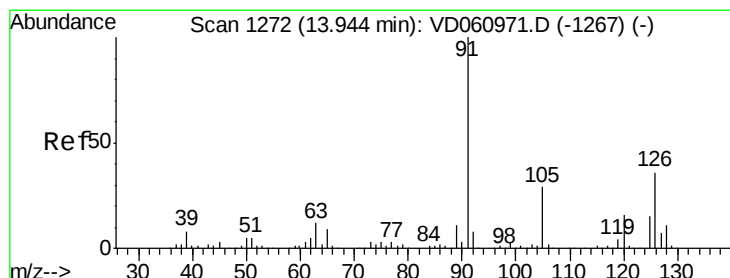
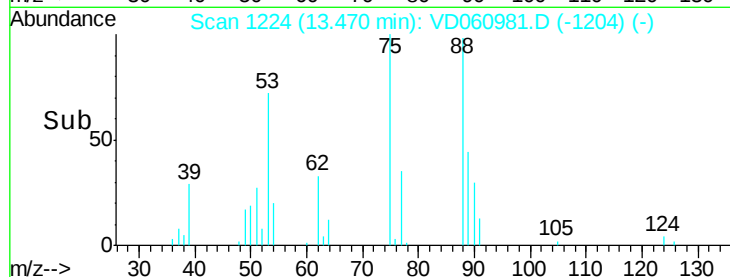
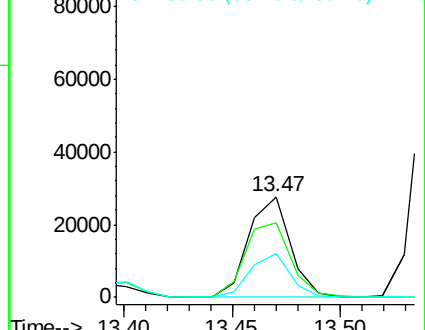
89 44.3 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.052 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD060981.D

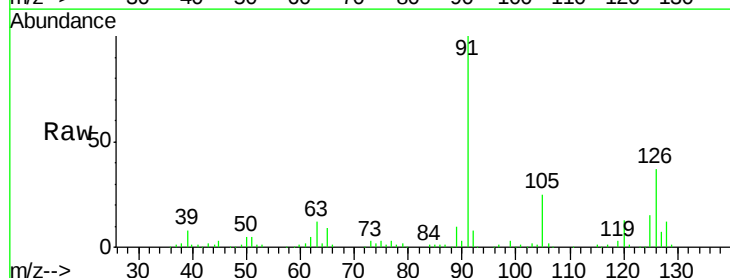
Acq: 8 Mar 2019 13:58

Tgt Ion: 91 Resp: 534011

Ion Ratio Lower Upper

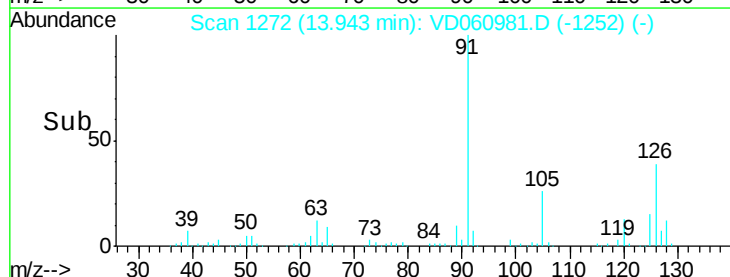
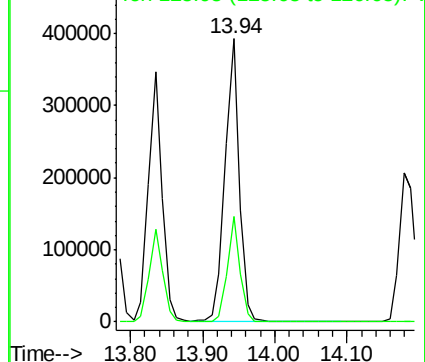
91 100

126 37.2 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 23.448 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBSD01

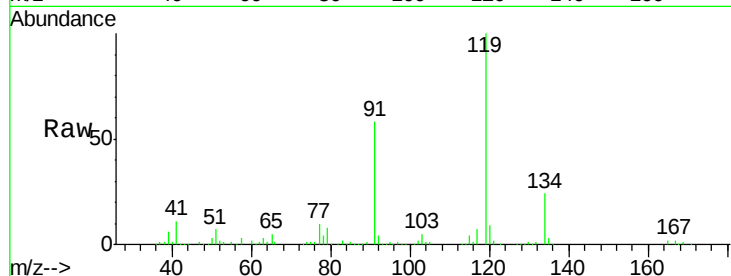
Tot Ion:119 Resp: 648537

Ion Ratio Lower Upper

119 100

91 57.6 30.1 90.3

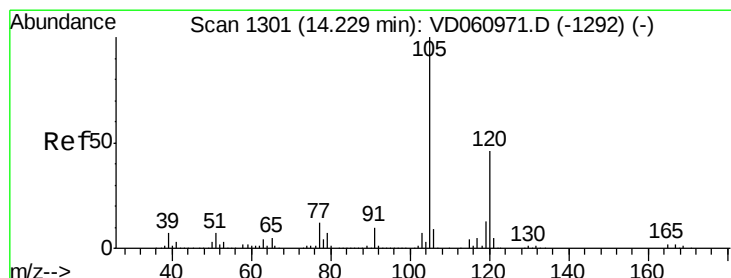
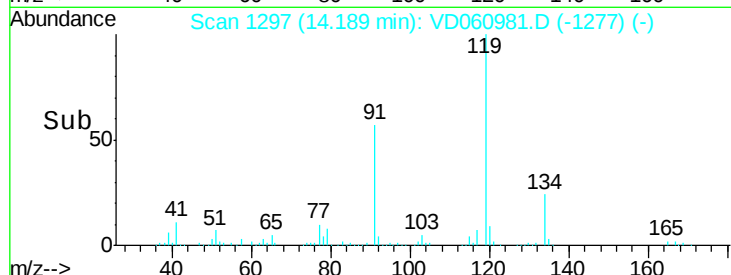
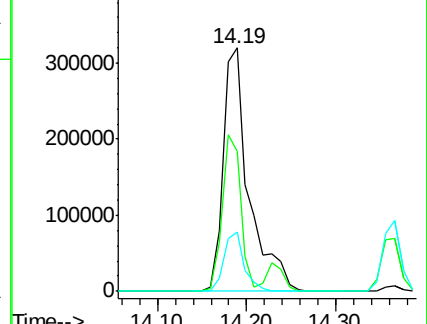
134 24.1 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.551 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD060981.D

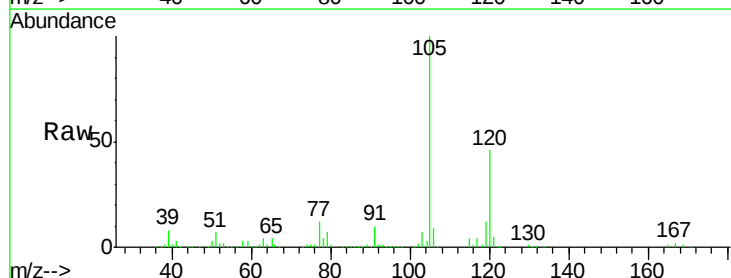
Acq: 8 Mar 2019 13:58

Tgt Ion:105 Resp: 544673

Ion Ratio Lower Upper

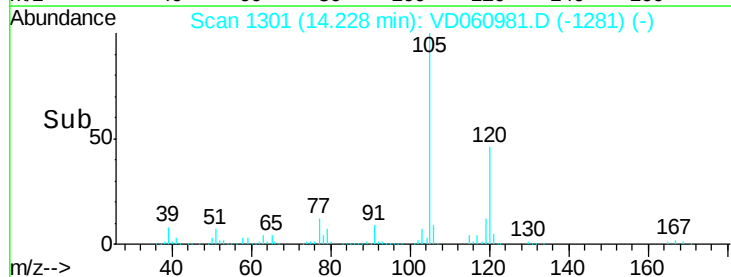
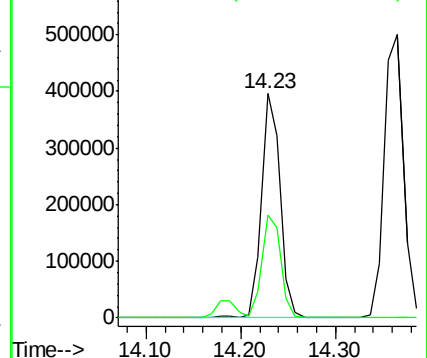
105 100

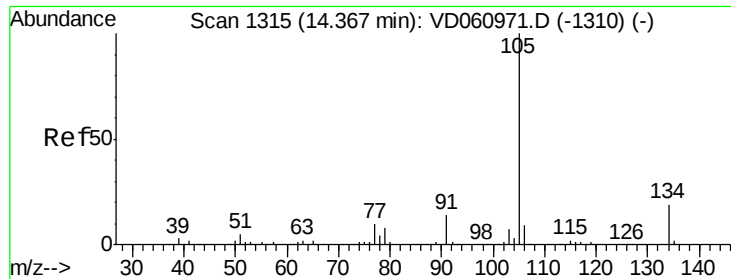
120 45.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.153 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

Instrument :

MSVOA_D

ClientSampleID :

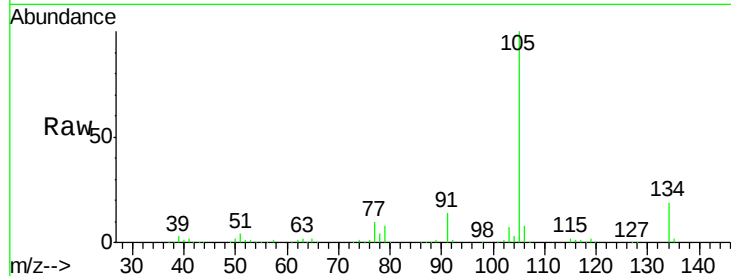
VD0308SBS01

Tot Ion:105 Resp: 714249

Ion Ratio Lower Upper

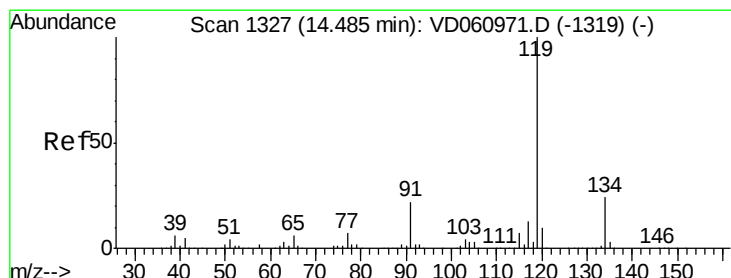
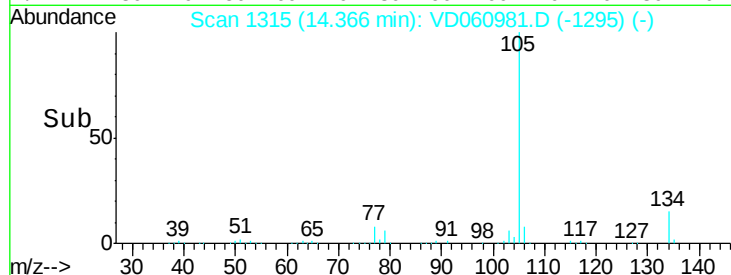
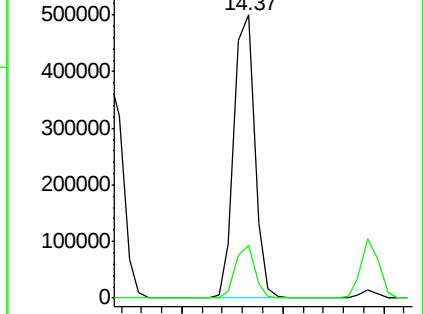
105 100

134 18.6 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.849 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD060981.D

Acq: 8 Mar 2019 13:58

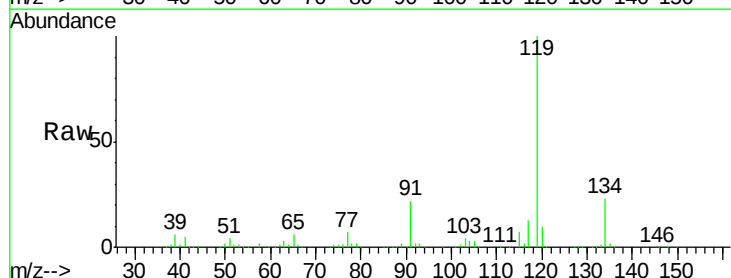
Tgt Ion:119 Resp: 547834

Ion Ratio Lower Upper

119 100

134 23.2 12.0 36.1

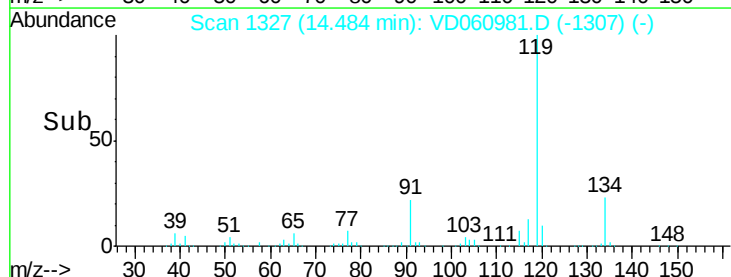
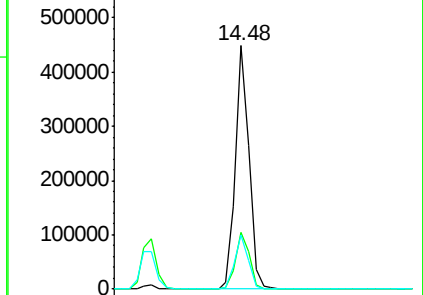
91 22.3 11.2 33.6

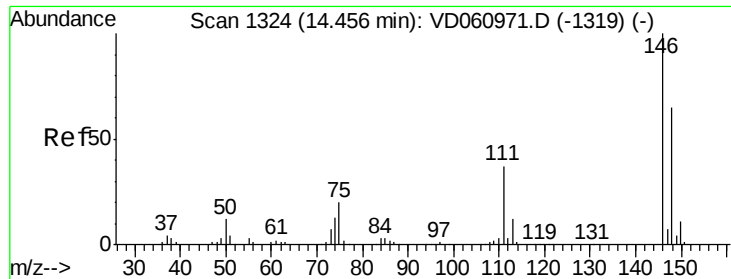


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

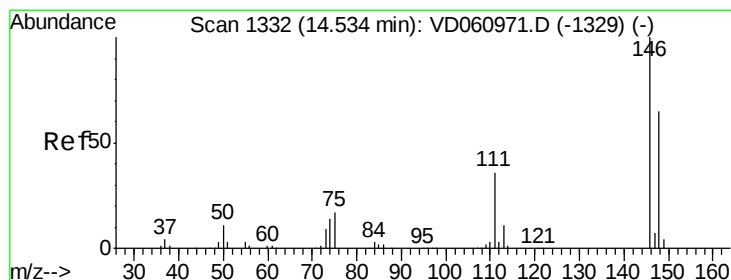
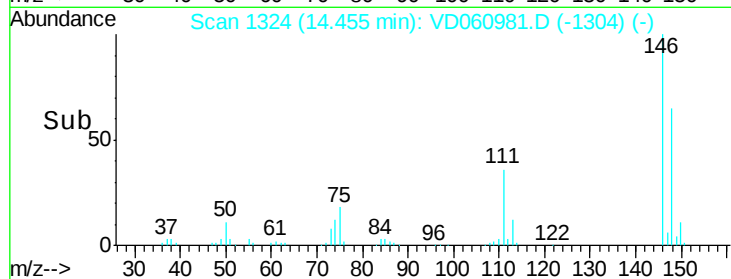
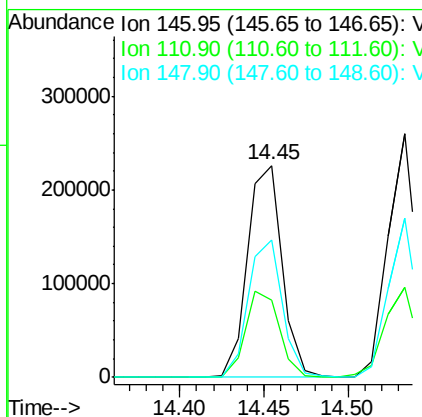
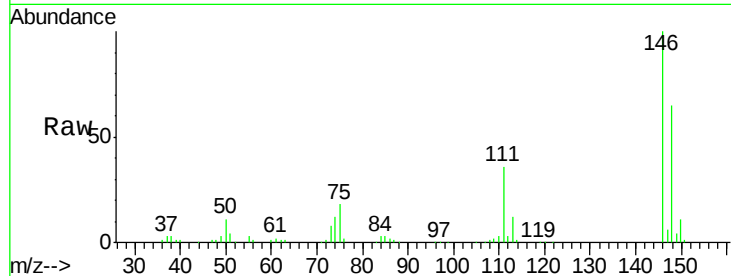




#87
 1,3-Dichlorobenzene
 Concen: 21.212 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

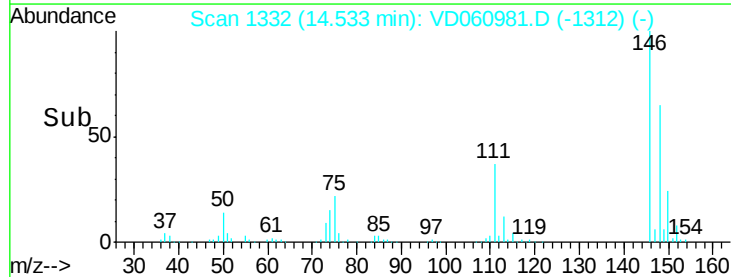
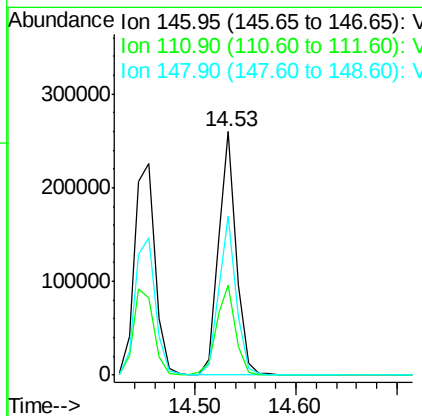
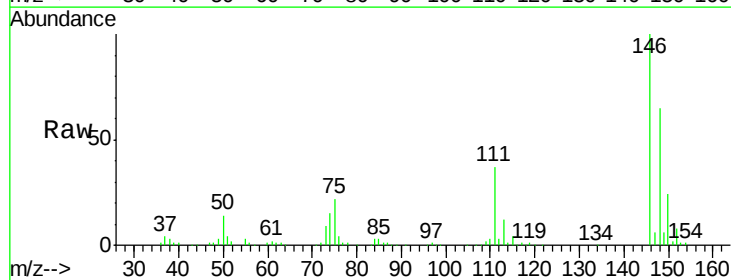
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBSD01

Tot Ion:146 Resp: 321894
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.4
 148 64.7 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 21.514 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Tgt Ion:146 Resp: 320822
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.4 55.2
 148 65.4 32.5 97.5

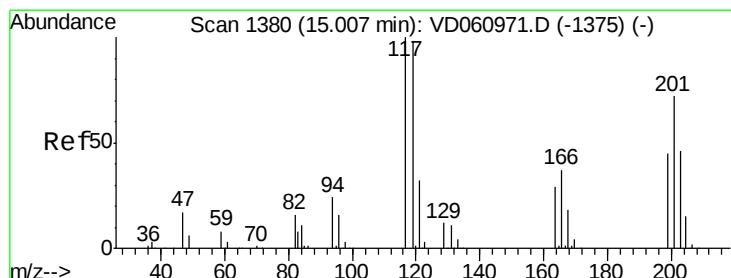
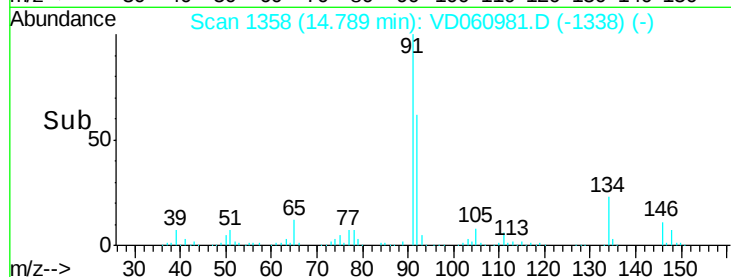
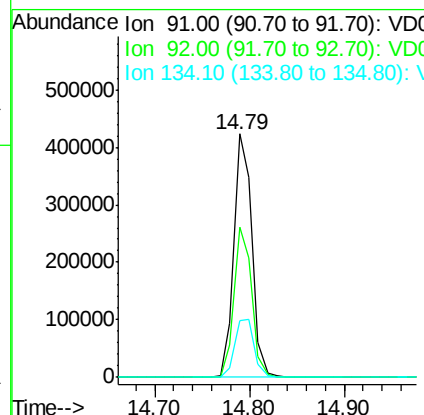
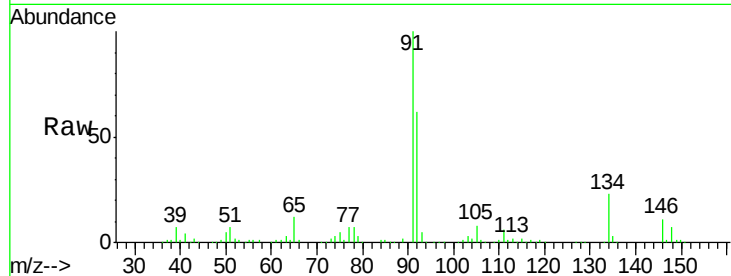




#89
n-Butylbenzene
Concen: 21.038 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

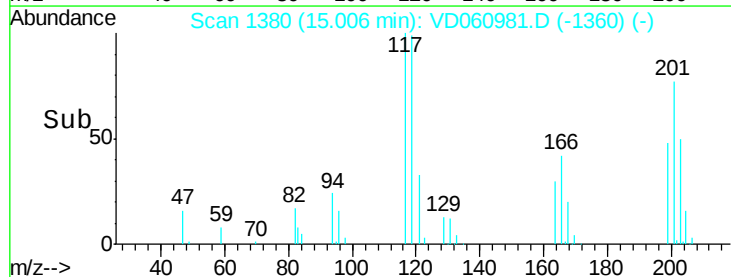
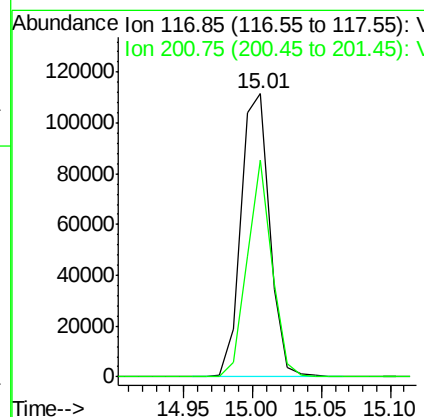
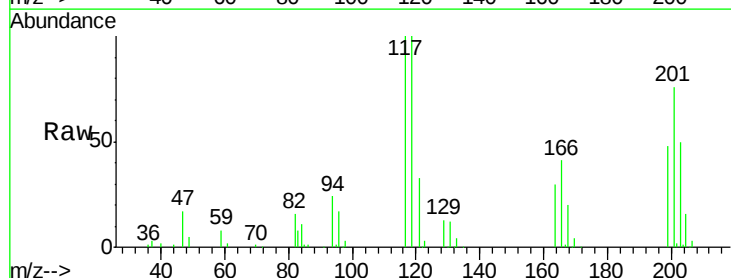
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

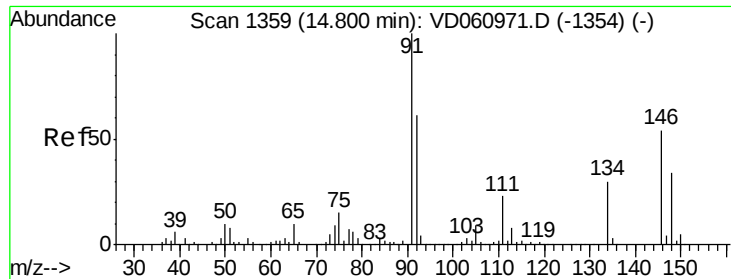
Tot Ion: 91 Resp: 557619
Ion Ratio Lower Upper
91 100
92 61.9 30.6 91.8
134 23.1 11.0 33.0



#90
Hexachloroethane
Concen: 20.842 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion: 117 Resp: 162439
Ion Ratio Lower Upper
117 100
201 76.6 36.2 108.6

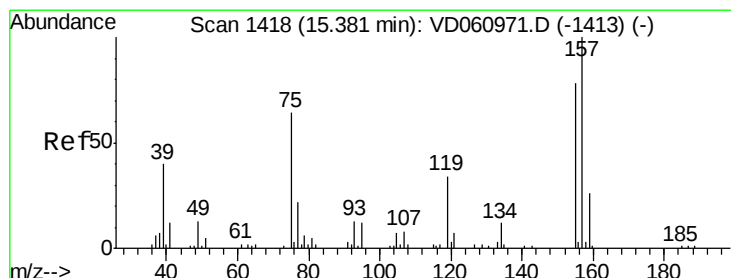
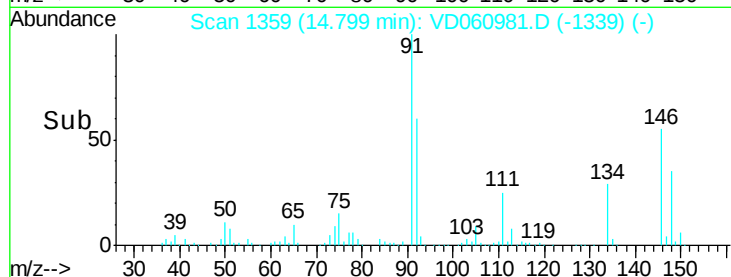
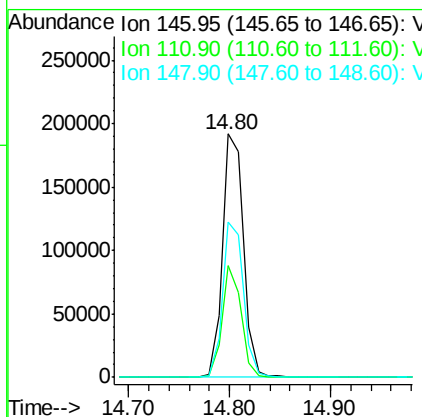
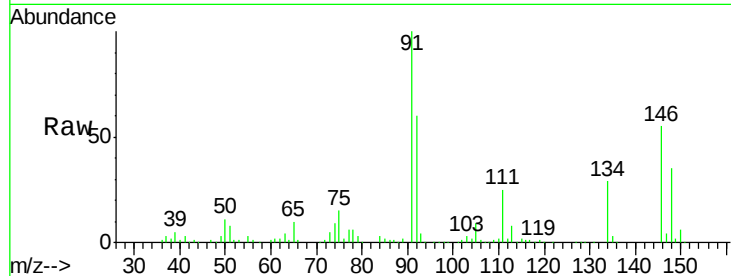




#91
 1,2-Dichlorobenzene
 Concen: 21.913 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

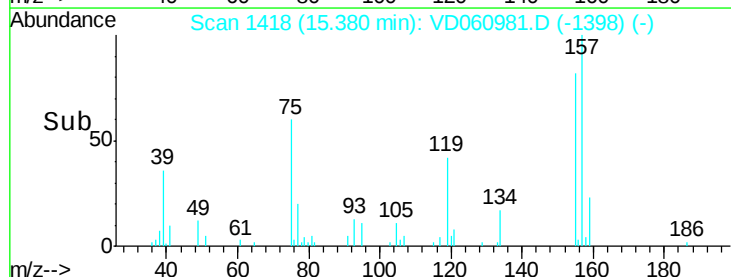
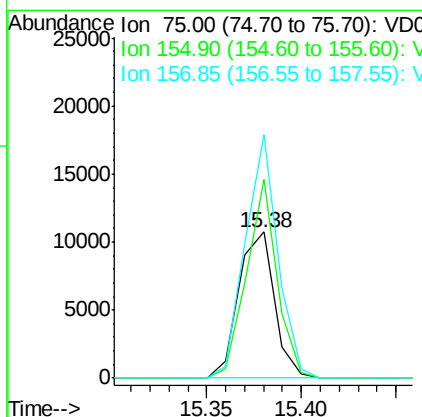
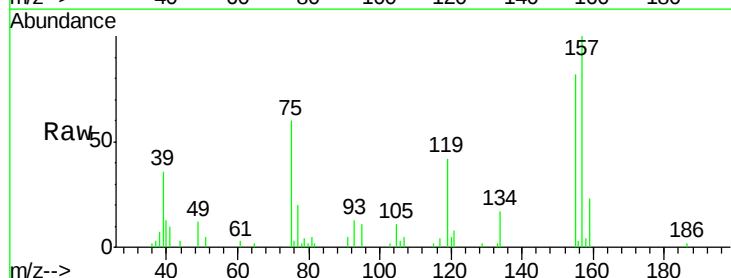
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBSD01

Tot Ion:146 Resp: 277221
 Ion Ratio Lower Upper
 146 100
 111 45.7 21.5 64.5
 148 64.0 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.945 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Tgt Ion: 75 Resp: 14046
 Ion Ratio Lower Upper
 75 100
 155 136.4 61.2 183.5
 157 166.6 78.3 234.8

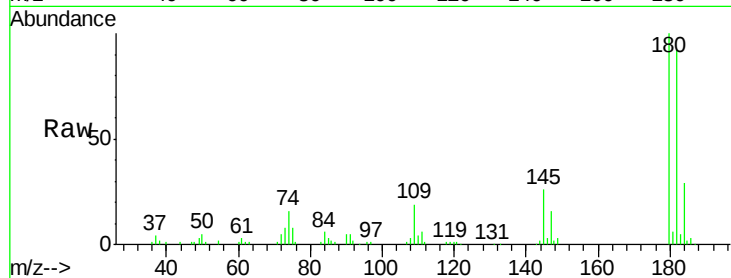




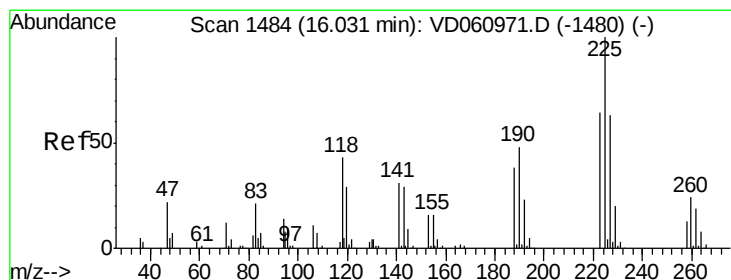
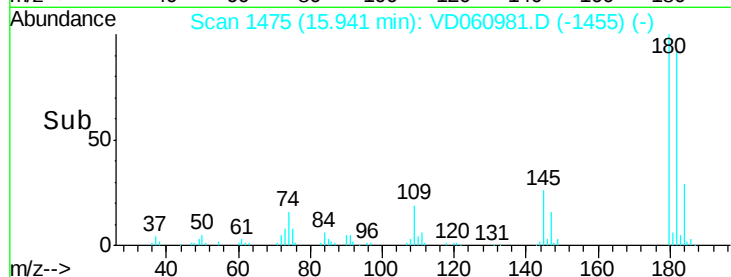
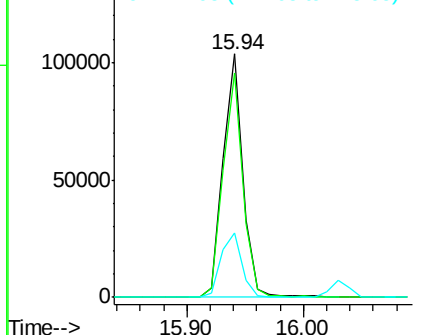
#93
 1,2,4-Trichlorobenzene
 Concen: 20.854 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBSD01

Tot Ion:180 Resp: 122387
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.3 142.0
 145 26.3 14.4 43.0

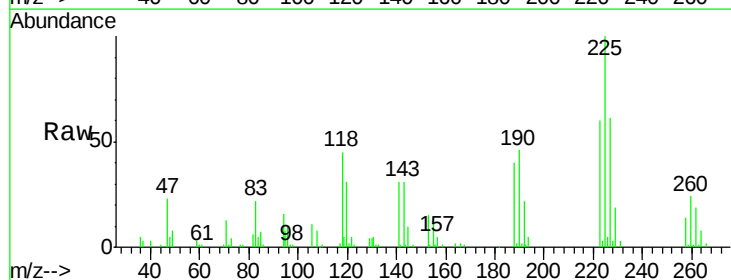


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

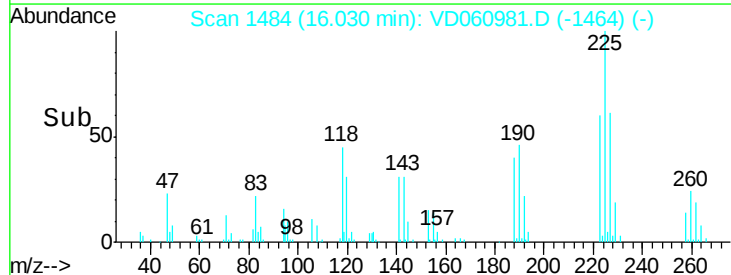
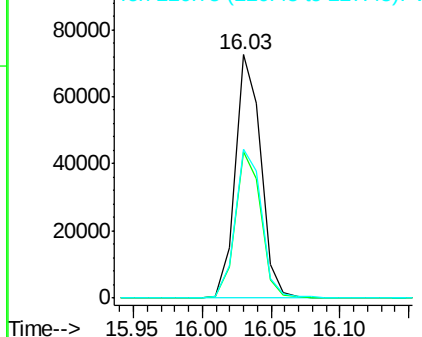


#94
 Hexachlorobutadiene
 Concen: 21.105 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD060981.D
 Acq: 8 Mar 2019 13:58

Tgt Ion:225 Resp: 93684
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.8 95.3
 227 61.0 31.4 94.0



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

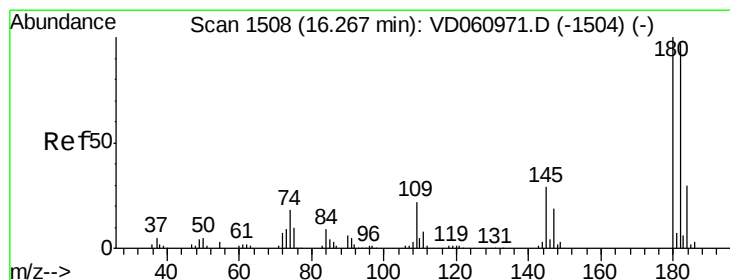
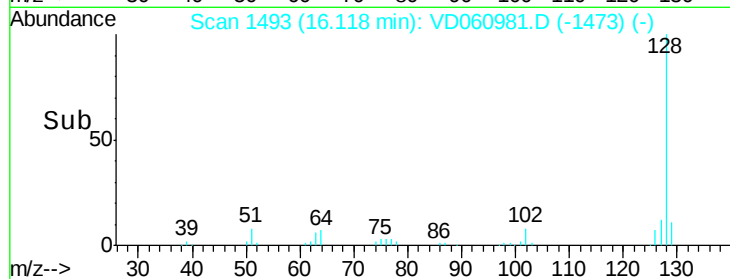
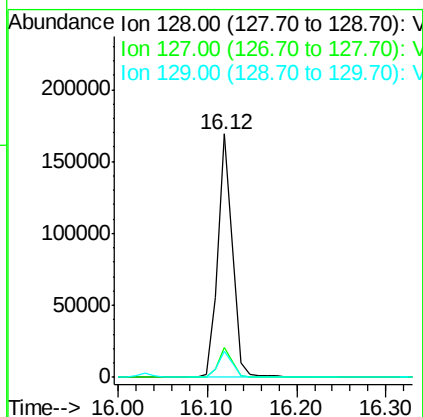
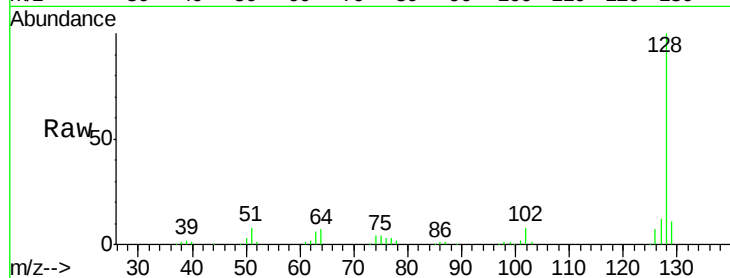




#95
Naphthalene
Concen: 21.681 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBSD01

Tot Ion:128 Resp: 193357
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.800 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD060981.D
Acq: 8 Mar 2019 13:58

Tgt Ion:180 Resp: 60290
Ion Ratio Lower Upper
180 100
182 93.8 48.6 145.8
145 31.7 14.3 42.9

