

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060944.D
 Acq On : 5 Mar 2019 13:07
 Operator : VA/AP
 Sample : VD0305SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Quant Time: Mar 06 04:25:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	731054	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1379546	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	1119212	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	460386	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	344384	56.98	ug/l	0.02
Spiked Amount			Recovery	=	113.96%	
35) Dibromofluoromethane	6.94	113	553466	50.04	ug/l	0.03
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	10.42	98	1380779	50.17	ug/l	0.02
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	13.56	95	531463	51.10	ug/l	0.01
Spiked Amount			Recovery	=	102.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	172576	21.305	ug/l	99
3) Chloromethane	1.78	50	136934	20.371	ug/l	97
4) Vinyl Chloride	1.86	62	130528	21.493	ug/l	99
5) Bromomethane	2.16	94	19099	17.804	ug/l	97
6) Chloroethane	2.27	64	24853	16.986	ug/l	99
7) Trichlorofluoromethane	2.53	101	171061	23.467	ug/l	98
8) Diethyl Ether	2.89	74	68660	21.355	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	201841	20.414	ug/l	99
10) Methyl Iodide	3.32	142	247906	20.506	ug/l	98
11) Tert butyl alcohol	4.09	59	44800	99.460	ug/l	98
12) 1,1-Dichloroethene	3.14	96	166746	19.882	ug/l	100
13) Acrolein	3.05	56	59840	95.933	ug/l	94
14) Allyl chloride	3.64	41	264042	19.302	ug/l	99
15) Acrylonitrile	4.22	53	164602	95.439	ug/l	99
16) Acetone	3.23	43	201225	99.722	ug/l	99
17) Carbon Disulfide	3.39	76	557821	18.764	ug/l	100
18) Methyl Acetate	3.66	43	72660	17.586	ug/l	96
19) Methyl tert-butyl Ether	4.26	73	291103	19.734	ug/l	99
20) Methylene Chloride	3.83	84	203411	18.986	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	180506	19.770	ug/l	99
22) Diisopropyl ether	5.13	45	584944	20.138	ug/l	93
23) Vinyl Acetate	5.07	43	1542213	101.105	ug/l	98
24) 1,1-Dichloroethane	5.00	63	296941	19.168	ug/l	99
25) 2-Butanone	6.09	43	255468	102.057	ug/l	97
26) 2,2-Dichloropropane	6.04	77	242042	21.032	ug/l	99
27) cis-1,2-Dichloroethene	6.06	96	209772	20.263	ug/l	95
28) Bromochloromethane	6.45	49	123923	19.045	ug/l #	97
29) Tetrahydrofuran	6.47	42	125943	97.746	ug/l	99
30) Chloroform	6.68	83	313387	20.858	ug/l	99
31) Cyclohexane	6.96	56	283503	21.248	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	263213	20.459	ug/l	97
36) 1,1-Dichloropropene	7.16	75	247356	19.502	ug/l	98
37) Ethyl Acetate	6.20	43	111019	17.026	ug/l	99
38) Carbon Tetrachloride	7.12	117	252250	18.511	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060944.D
 Acq On : 5 Mar 2019 13:07
 Operator : VA/AP
 Sample : VD0305SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0305SBS01

Quant Time: Mar 06 04:25:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	268333	19.353	ug/l	100
40) Benzene	7.47	78	626831	19.405	ug/l	100
41) Methacrylonitrile	6.46	41	70899m	17.405	ug/l	
42) 1,2-Dichloroethane	7.59	62	167998	18.484	ug/l	98
43) Isopropyl Acetate	9.25	43	170243	18.726	ug/l #	99
44) Trichloroethene	8.55	130	209049	18.897	ug/l	97
45) 1,2-Dichloropropane	8.95	63	162245	18.972	ug/l	99
46) Dibromomethane	9.07	93	104945	19.025	ug/l	97
47) Bromodichloromethane	9.39	83	215433	17.904	ug/l	99
48) Methyl methacrylate	9.13	41	86517	16.939	ug/l	93
49) 1,4-Dioxane	9.09	88	20127	376.414	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	517052	93.415	ug/l	97
52) Toluene	10.52	92	388296	18.710	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	209293	18.902	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	263892	19.220	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	133467	19.447	ug/l	99
56) Ethyl methacrylate	11.05	69	135608	18.639	ug/l	98
57) 1,3-Dichloropropane	11.41	76	194796	19.522	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	365835	94.149	ug/l	98
59) 2-Hexanone	11.54	43	399280	102.907	ug/l	99
60) Dibromochloromethane	11.70	129	186995	18.892	ug/l	100
61) 1,2-Dibromoethane	11.82	107	152330	18.893	ug/l	100
64) Tetrachloroethene	11.27	164	169559	19.791	ug/l	98
65) Chlorobenzene	12.41	112	472315	18.955	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	180163	20.148	ug/l	95
67) Ethyl Benzene	12.53	91	746426	20.573	ug/l	98
68) m/p-Xylenes	12.67	106	577210	39.819	ug/l	97
69) o-Xylene	13.06	106	263500	19.351	ug/l	98
70) Styrene	13.08	104	438958	19.322	ug/l	97
71) Bromoform	13.24	173	102999	18.199	ug/l #	97
73) Isopropylbenzene	13.41	105	715621	20.118	ug/l	97
74) N-amyl acetate	13.27	43	203826	19.183	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	138233	18.738	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	140571	18.844	ug/l	98
77) Bromobenzene	13.68	156	179594	19.316	ug/l	94
78) n-propylbenzene	13.79	91	908934	22.210	ug/l	96
79) 2-Chlorotoluene	13.85	91	501326	21.450	ug/l	94
80) 1,3,5-Trimethylbenzene	14.25	105	607397	22.517	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	48265	21.863	ug/l	94
82) 4-Chlorotoluene	13.95	91	542186	21.150	ug/l	93
83) tert-Butylbenzene	14.20	119	670142	21.698	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	607397	22.517	ug/l	95
85) sec-Butylbenzene	14.38	105	771530	21.548	ug/l	97
86) p-Isopropyltoluene	14.49	119	618885	21.221	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	353277	22.365	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	324995	20.718	ug/l	98
89) n-Butylbenzene	14.81	91	566734	19.565	ug/l	98
90) Hexachloroethane	15.02	117	162802	19.357	ug/l	91
91) 1,2-Dichlorobenzene	14.82	146	284343	20.777	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	16845	19.514	ug/l	81

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
Data File : VD060944.D
Acq On : 5 Mar 2019 13:07
Operator : VA/AP
Sample : VD0305SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

Quant Time: Mar 06 04:25:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration

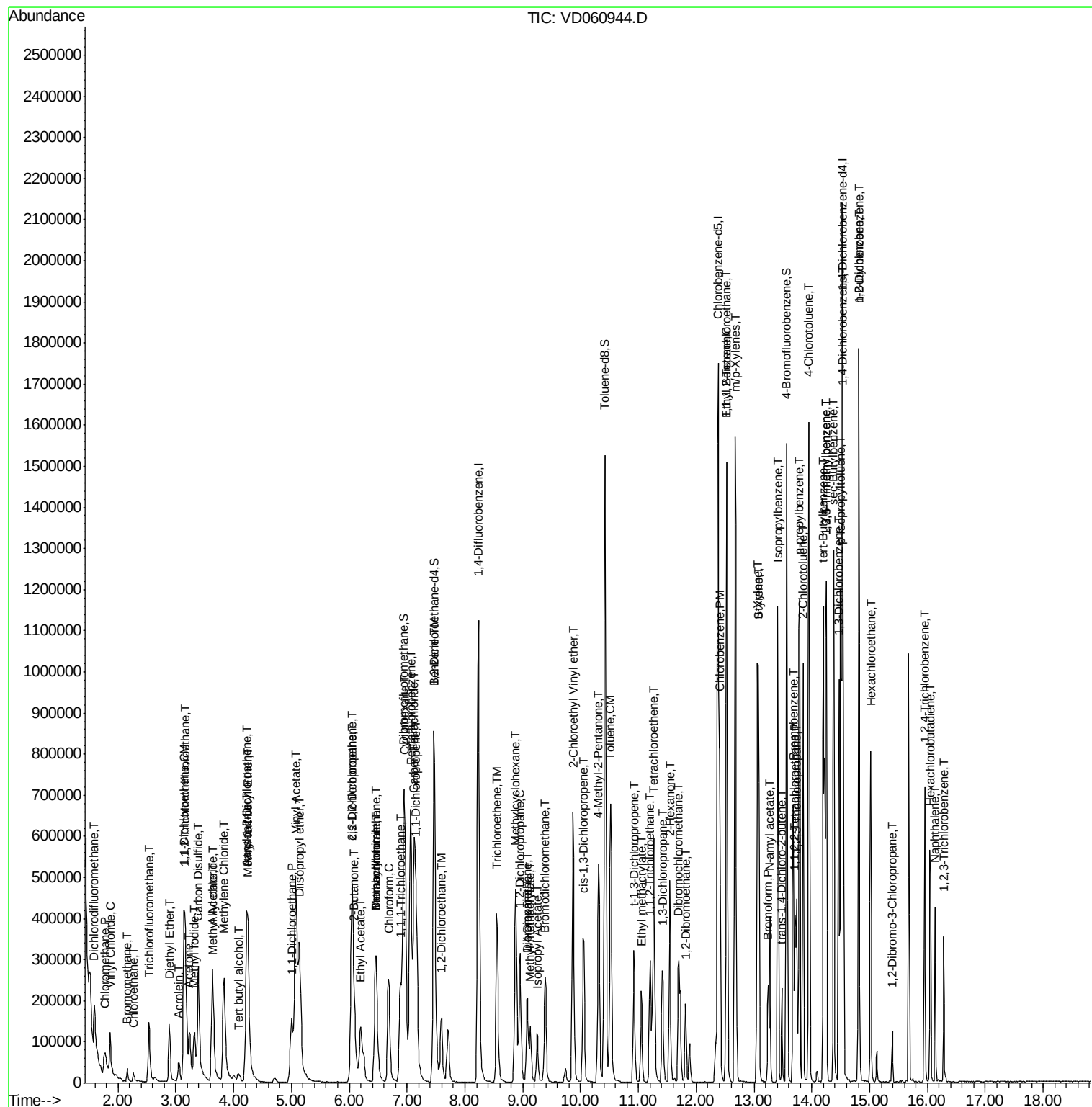
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	171489	21.580	ug/l	99
94) Hexachlorobutadiene	16.05	225	101444	19.889	ug/l	98
95) Naphthalene	16.13	128	264047	21.337	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	87190	19.537	ug/l	98

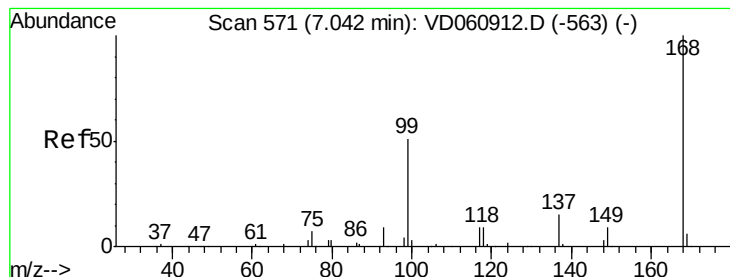
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
Data File : VD060944.D
Acq On : 5 Mar 2019 13:07
Operator : VA/AP
Sample : VD0305SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
VD0305SBSD01

Quant Time: Mar 06 04:25:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

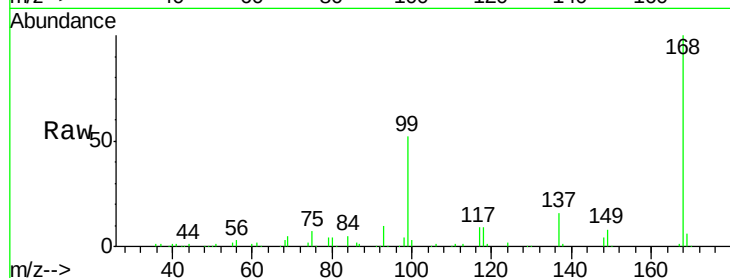
VD0305SBSD01

Tot Ion:168 Resp: 731054

Ion Ratio Lower Upper

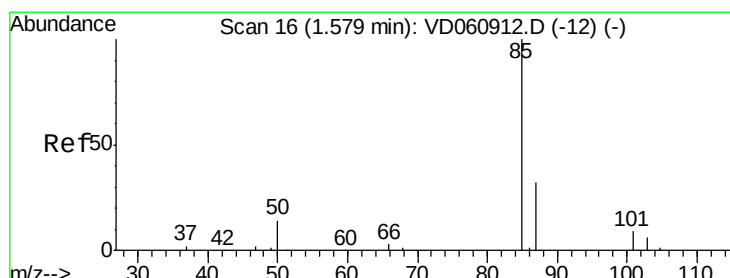
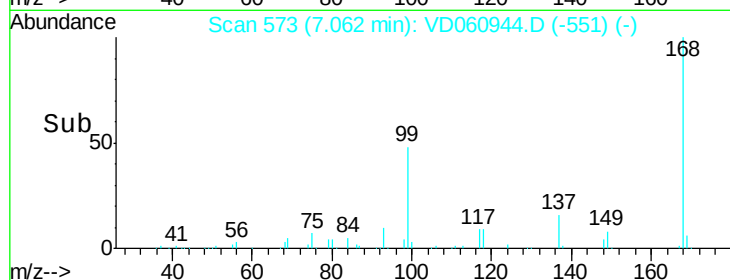
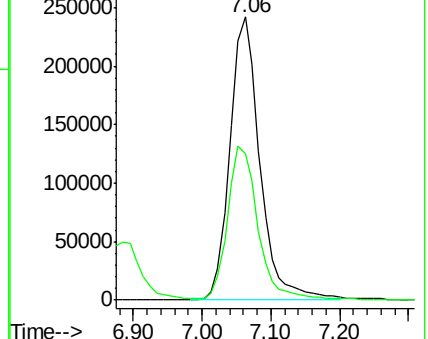
168 100

99 51.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.305 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD060944.D

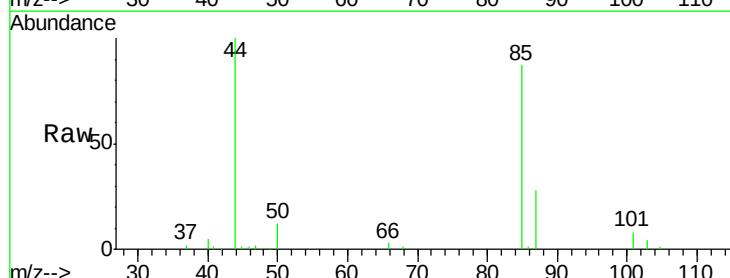
Acq: 5 Mar 2019 13:07

Tgt Ion: 85 Resp: 172576

Ion Ratio Lower Upper

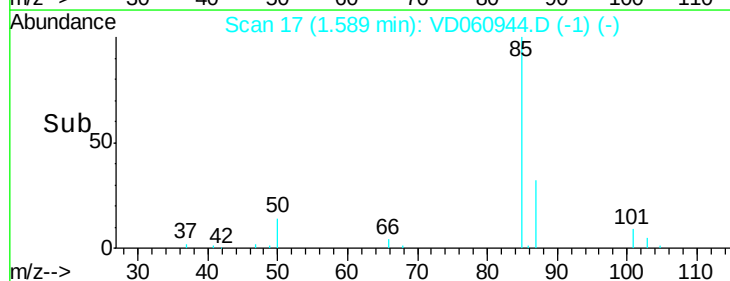
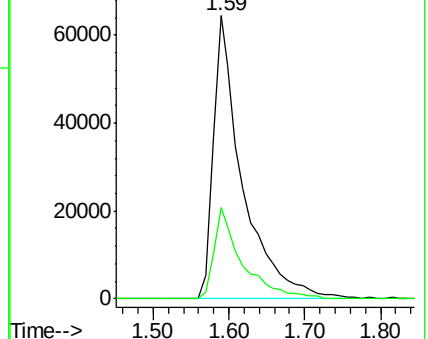
85 100

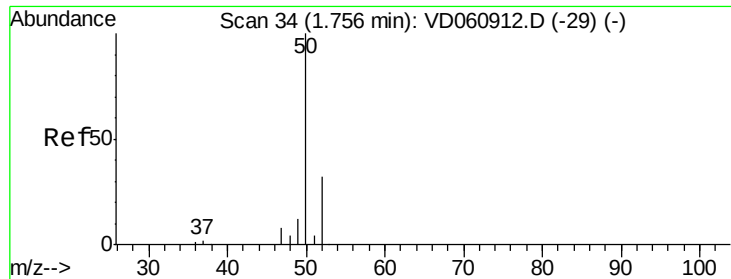
87 32.1 16.3 48.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.371 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

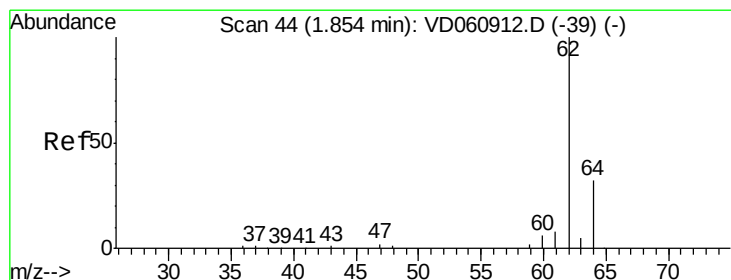
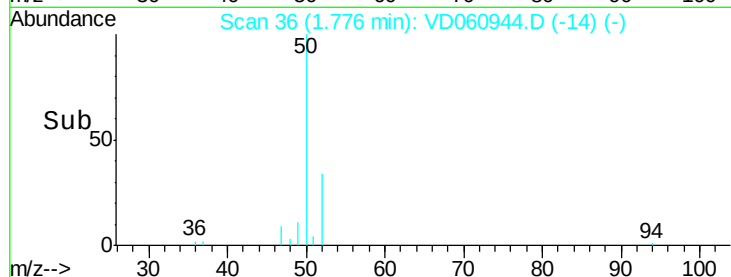
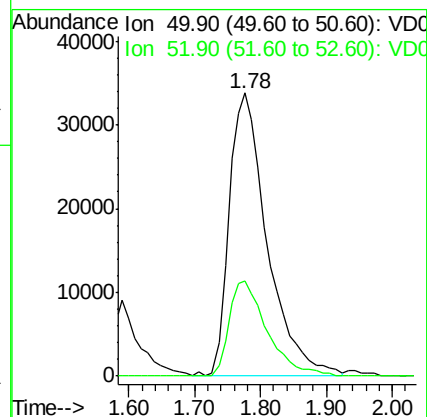
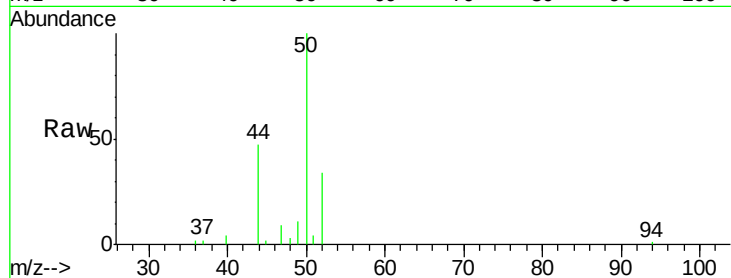
VD0305SBS01

Tot Ion: 50 Resp: 136934

Ion Ratio Lower Upper

50 100

52 33.7 25.8 38.6



#4

Vinyl Chloride

Concen: 21.493 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD060944.D

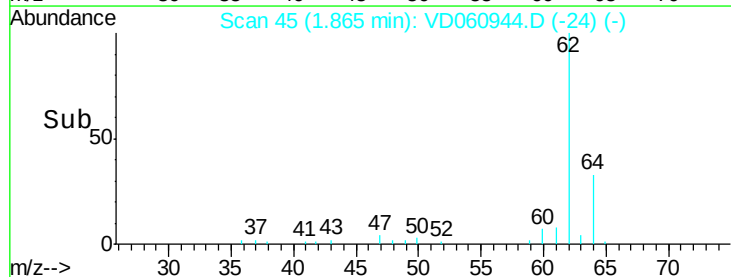
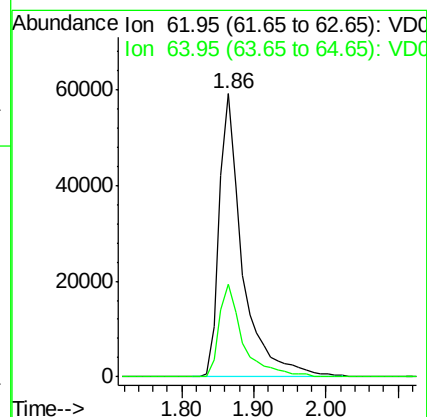
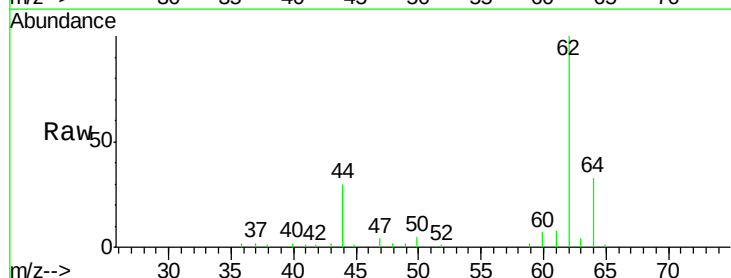
Acq: 5 Mar 2019 13:07

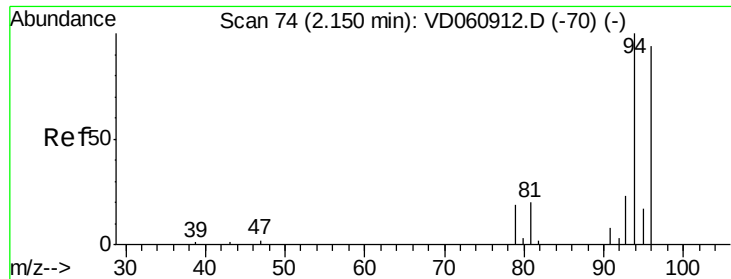
Tgt Ion: 62 Resp: 130528

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2

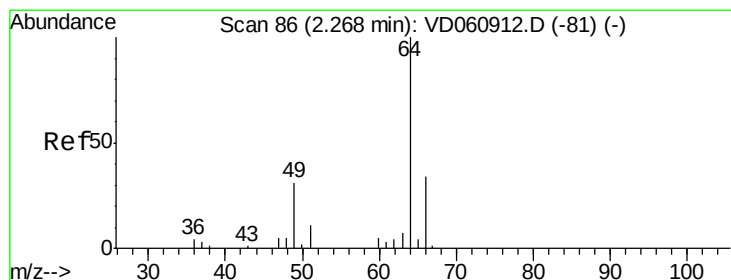
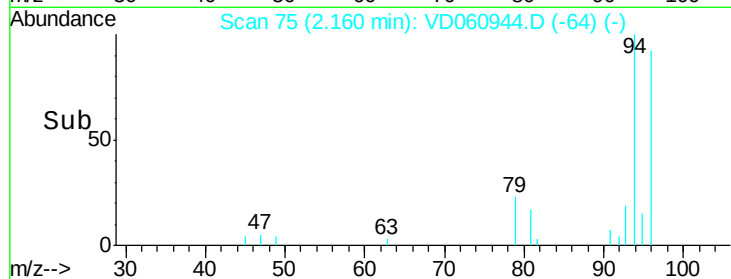
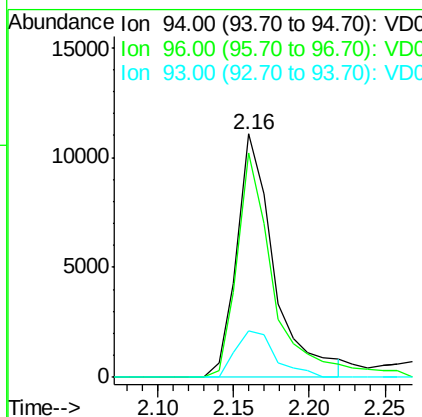
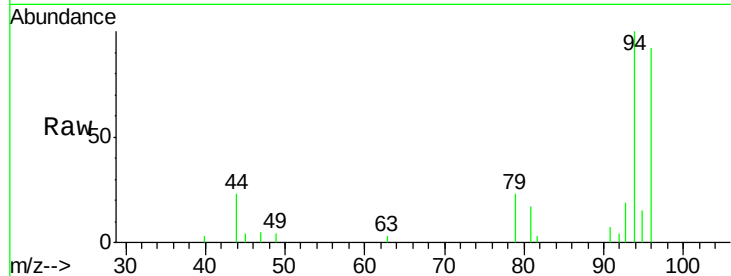




#5
Bromomethane
Concen: 17.804 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

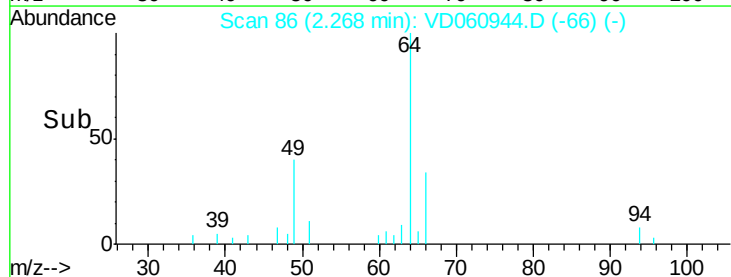
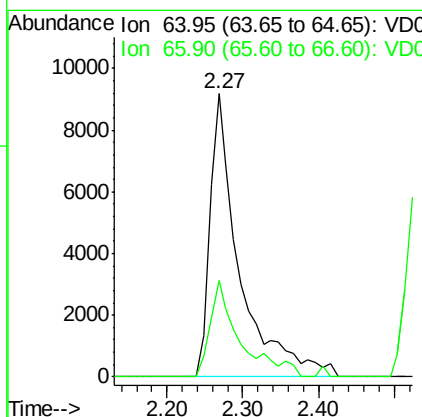
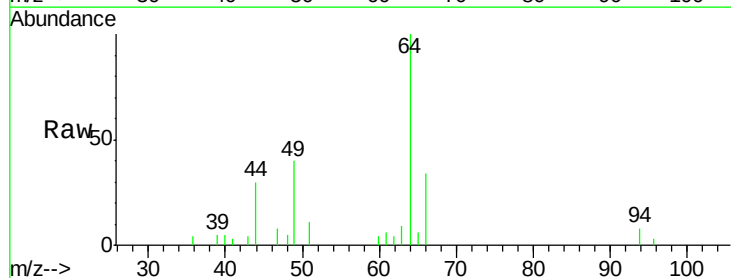
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

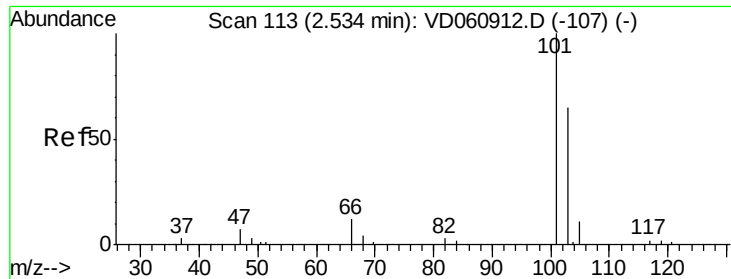
Tot Ion: 94 Resp: 19099
Ion Ratio Lower Upper
94 100
96 92.1 75.1 112.7
93 19.1 18.6 28.0



#6
Chloroethane
Concen: 16.986 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.00 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 64 Resp: 24853
Ion Ratio Lower Upper
64 100
66 34.3 27.0 40.6



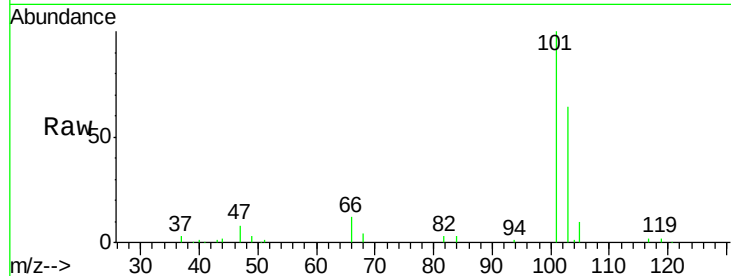


#7

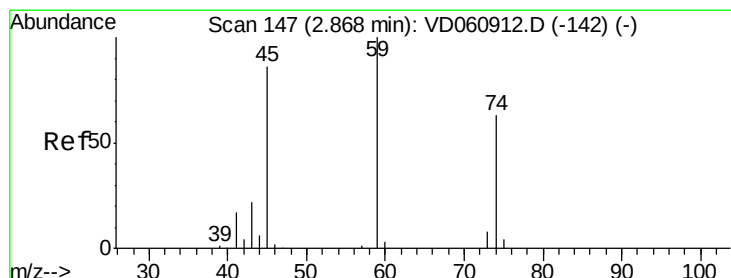
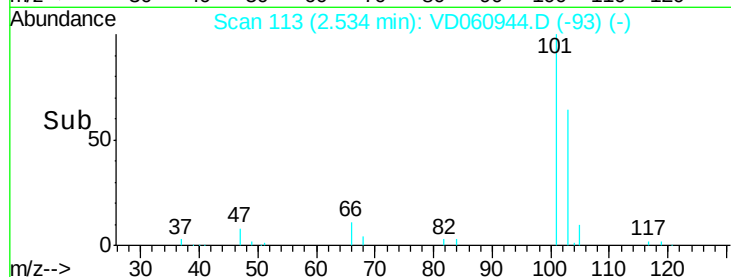
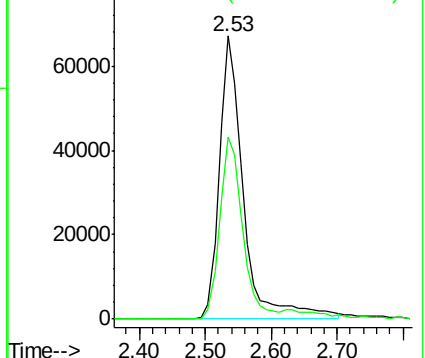
Trichlorofluoromethane
Concen: 23.467 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

Tot Ion:101 Resp: 171061
Ion Ratio Lower Upper
101 100
103 64.3 52.4 78.6



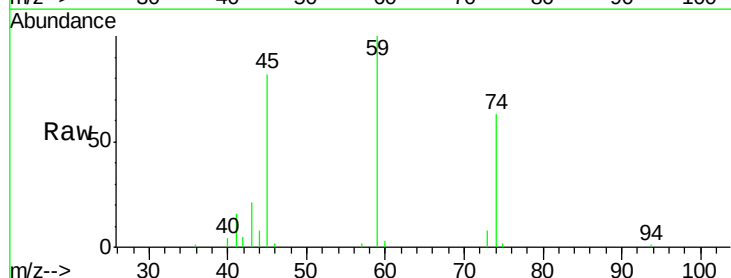
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



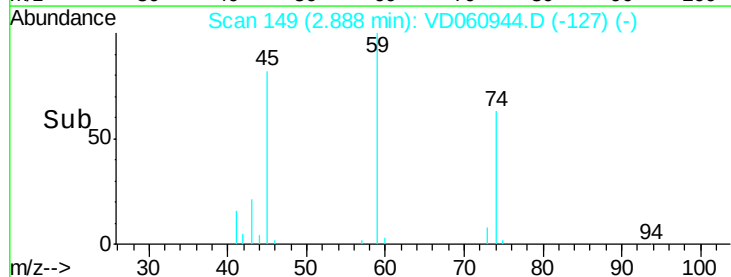
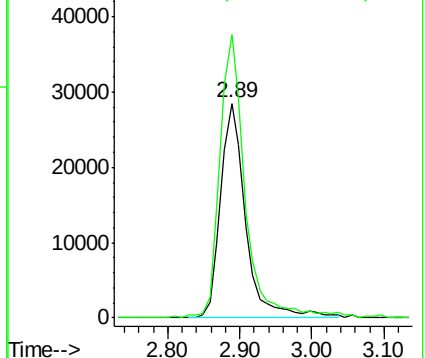
#8

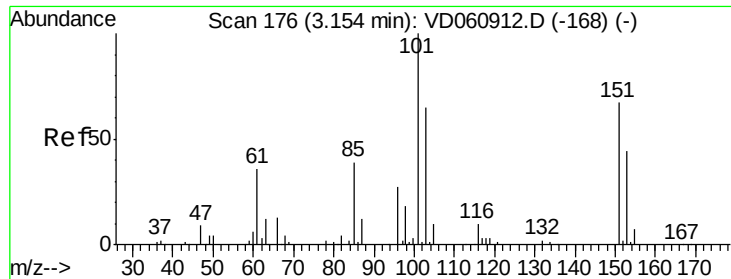
Diethyl Ether
Concen: 21.355 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 74 Resp: 68660
Ion Ratio Lower Upper
74 100
45 131.8 68.8 206.4



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: 20.414 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBSD01

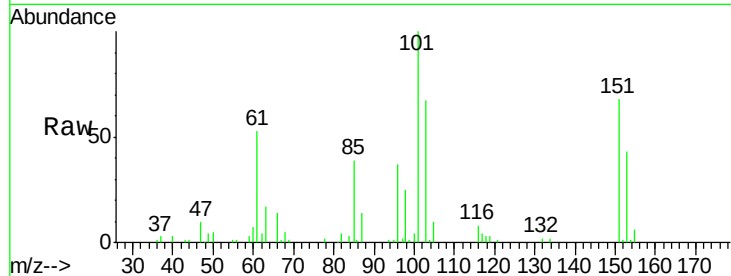
Tot Ion:101 Resp: 201841

Ion Ratio Lower Upper

101 100

85 38.7 31.0 46.6

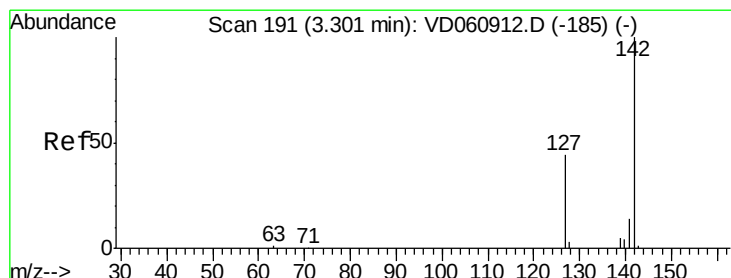
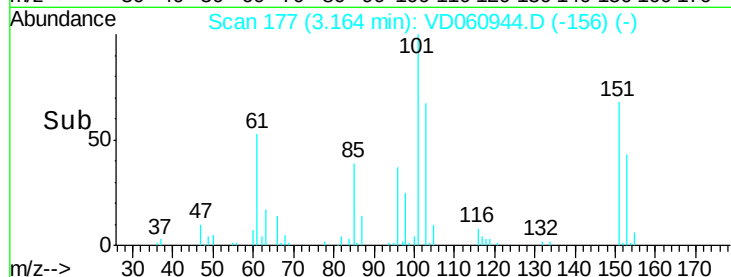
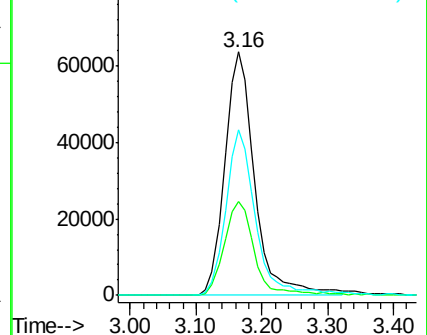
151 67.8 53.8 80.6



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: 20.506 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

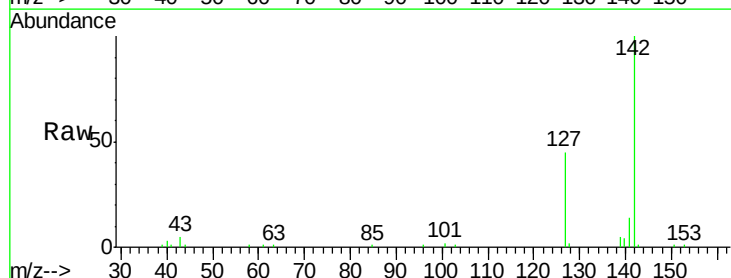
Tgt Ion:142 Resp: 247906

Ion Ratio Lower Upper

142 100

127 45.1 35.0 52.6

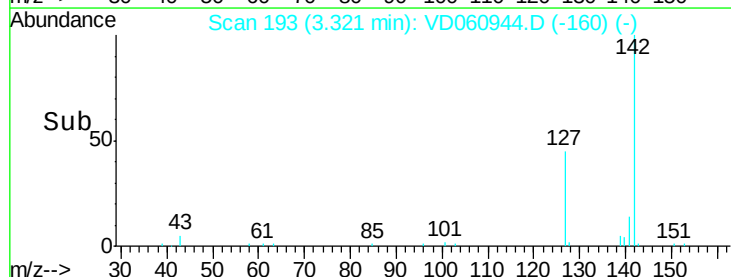
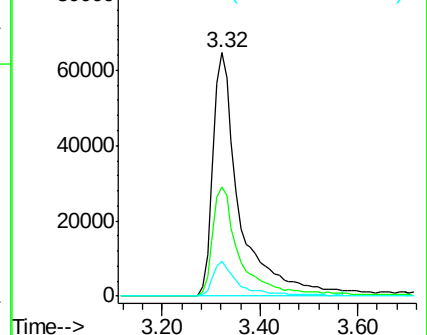
141 14.1 11.0 16.4

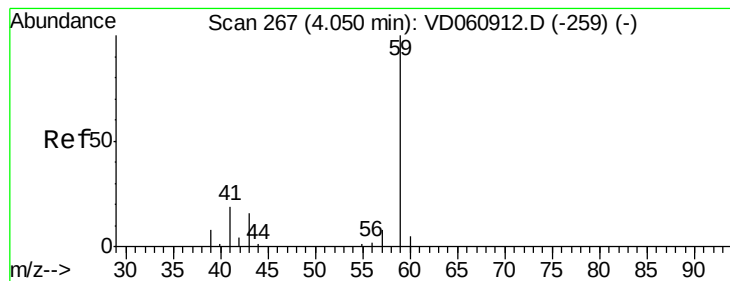


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



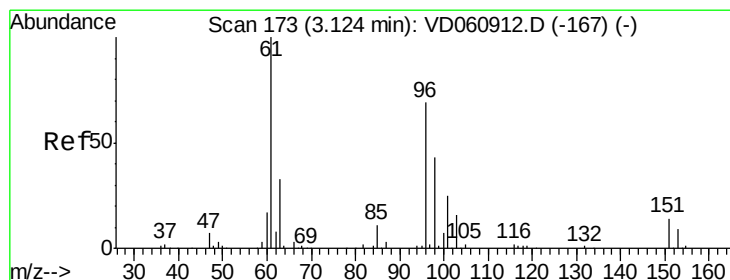
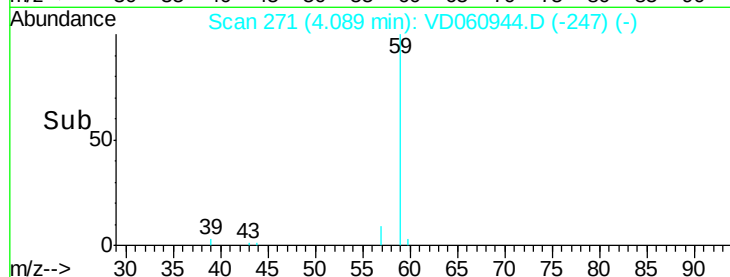
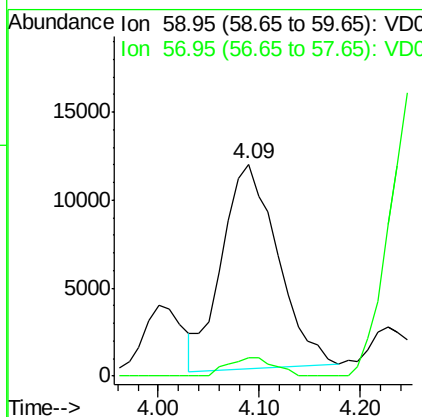
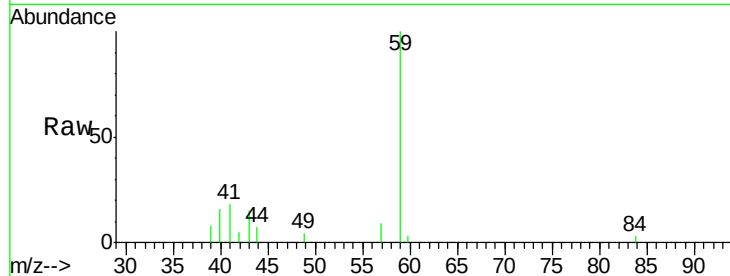


#11

Tert butyl alcohol
 Concen: 99.460 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.04 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

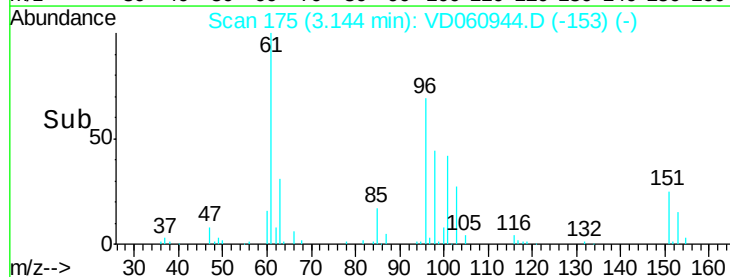
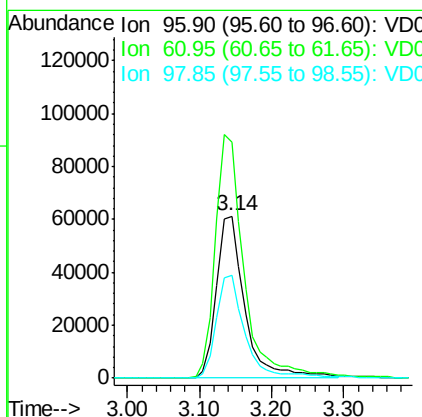
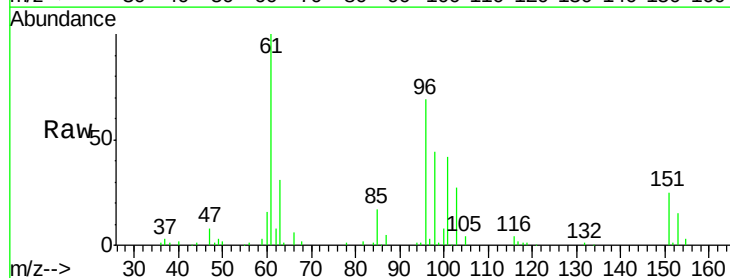
Tot Ion: 59 Resp: 44800
 Ion Ratio Lower Upper
 59 100
 57 8.9 6.5 9.7

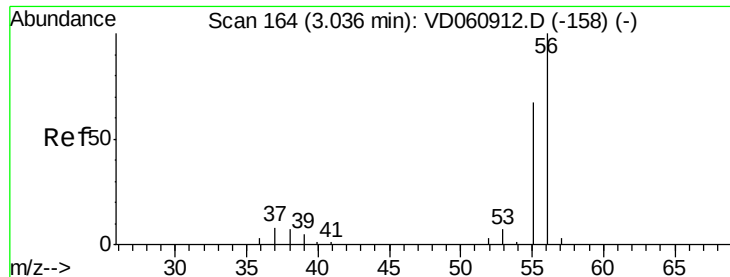


#12

1,1-Dichloroethene
 Concen: 19.882 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion: 96 Resp: 166746
 Ion Ratio Lower Upper
 96 100
 61 145.3 116.4 174.6
 98 63.6 50.5 75.7





#13

Acrolein

Concen: 95.933 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

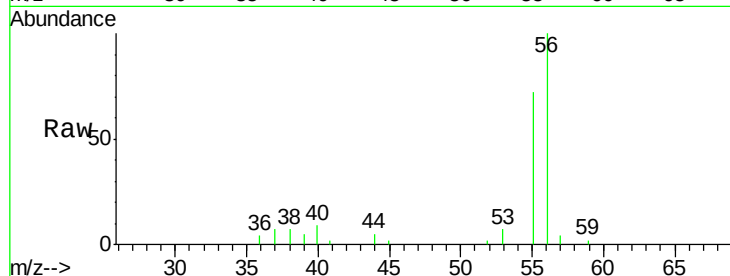
VD0305SBS01

Tot Ion: 56 Resp: 59840

Ion Ratio Lower Upper

56 100

55 71.8 53.5 80.3



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.05

25000

20000

15000

10000

5000

0

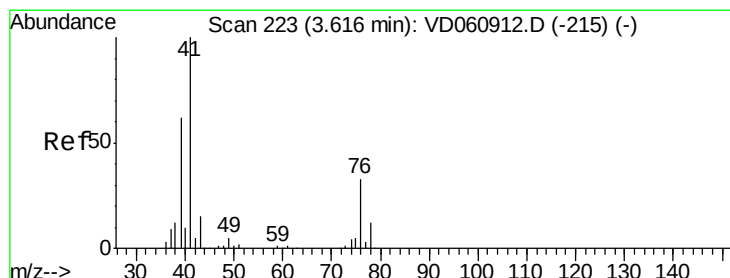
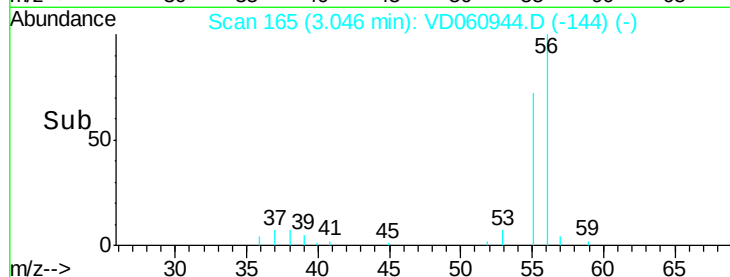
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 19.302 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

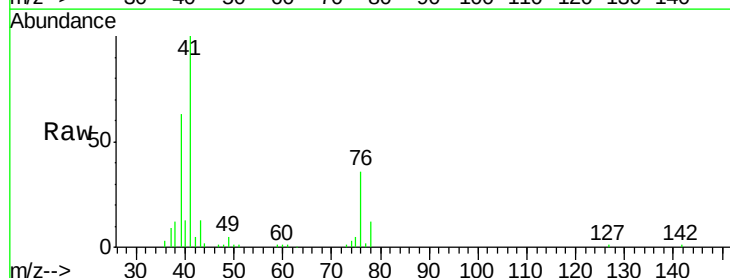
Tgt Ion: 41 Resp: 264042

Ion Ratio Lower Upper

41 100

39 63.3 49.9 74.9

76 36.3 28.6 42.8



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

120000

100000

80000

60000

40000

20000

0

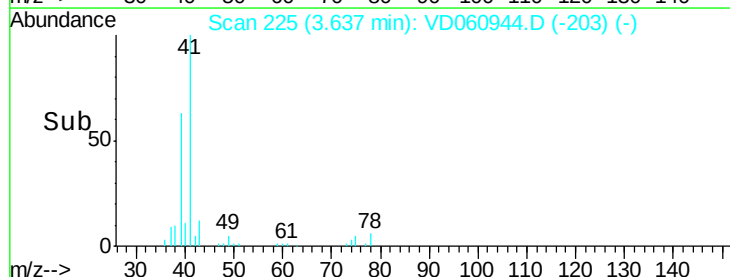
Time-->

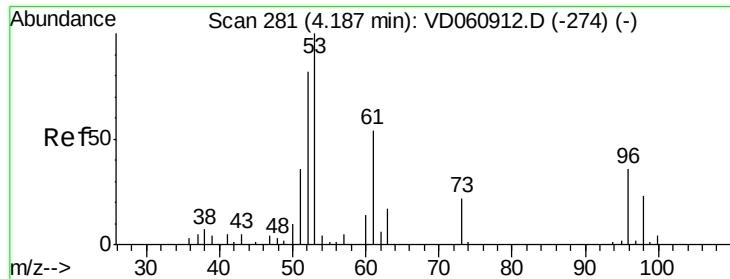
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 95.439 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.03 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBSD01

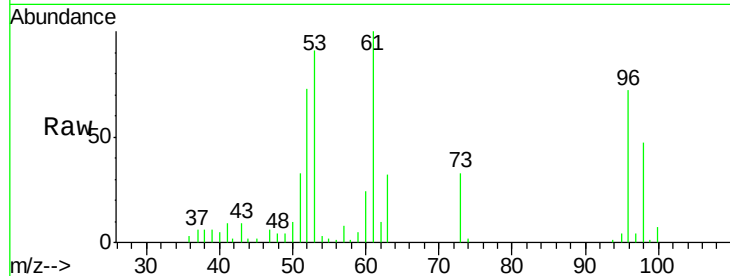
Tot Ion: 53 Resp: 164602

Ion Ratio Lower Upper

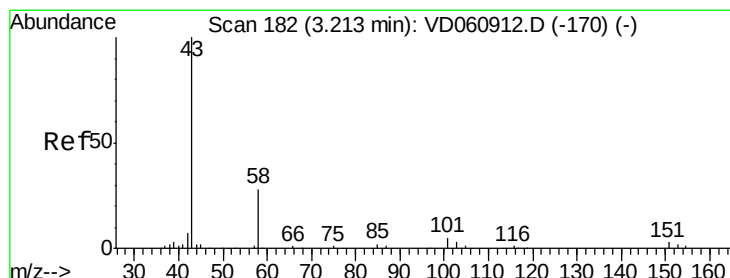
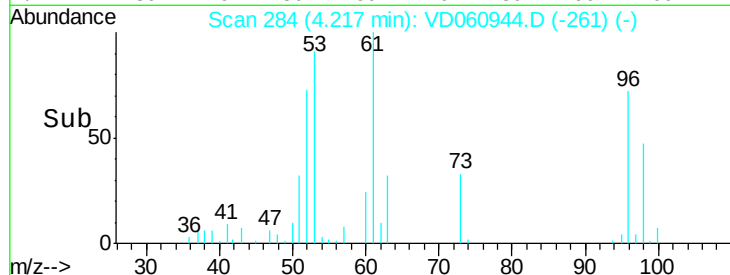
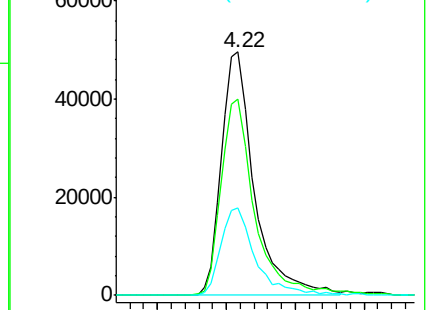
53 100

52 80.7 65.8 98.6

51 36.0 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.722 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD060944.D

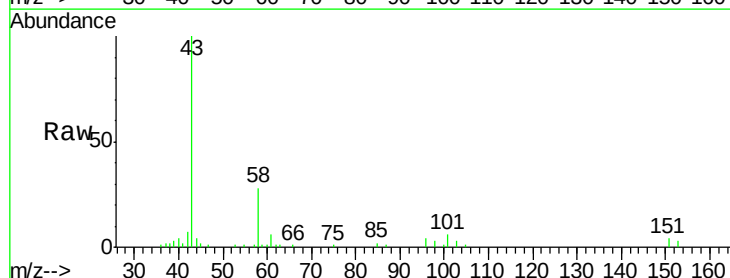
Acq: 5 Mar 2019 13:07

Tgt Ion: 43 Resp: 201225

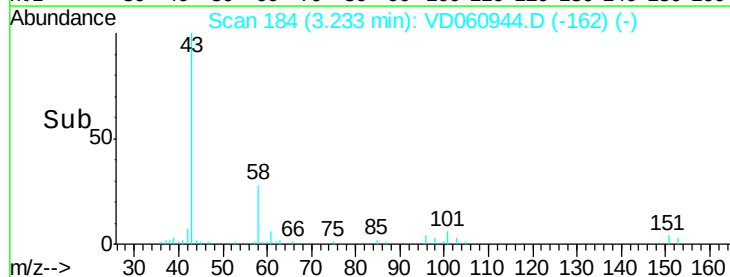
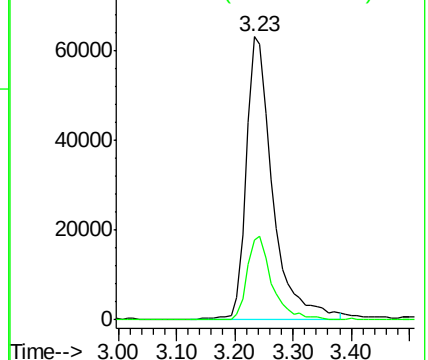
Ion Ratio Lower Upper

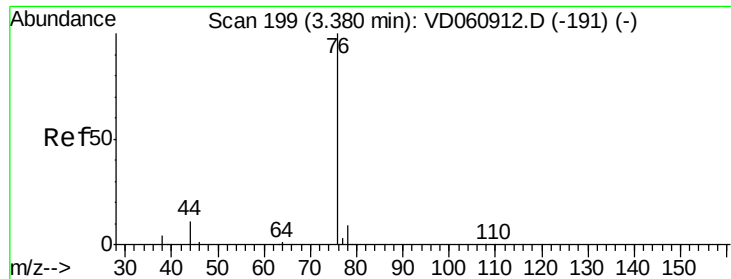
43 100

58 28.1 22.8 34.2



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

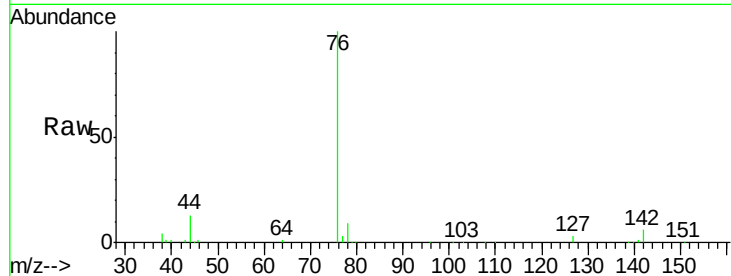




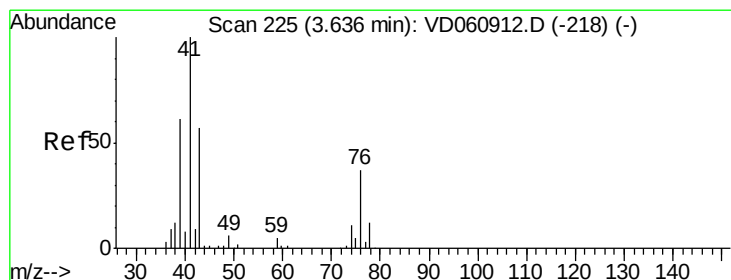
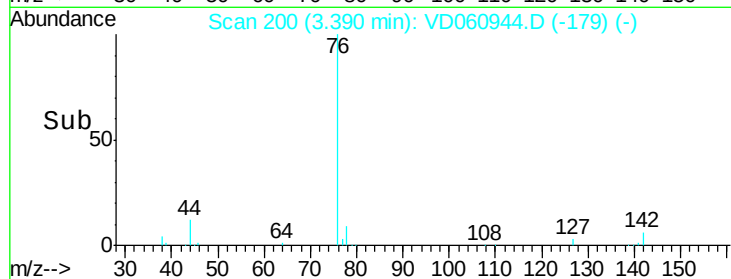
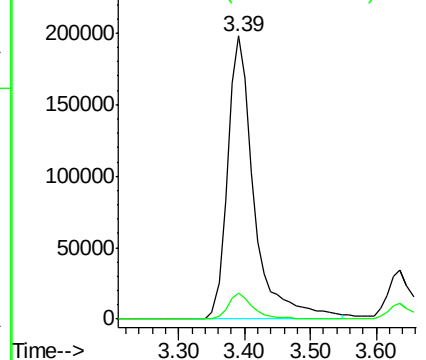
#17
Carbon Disulfide
Concen: 18.764 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.01 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

Tot Ion: 76 Resp: 557821
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

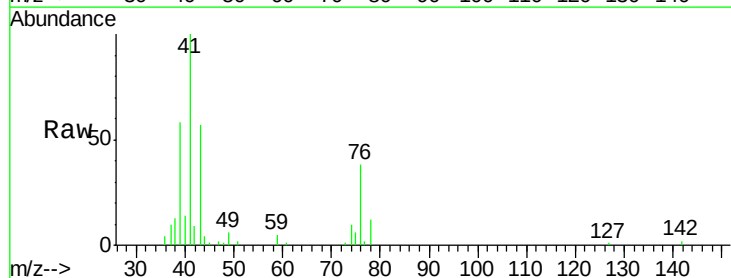


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

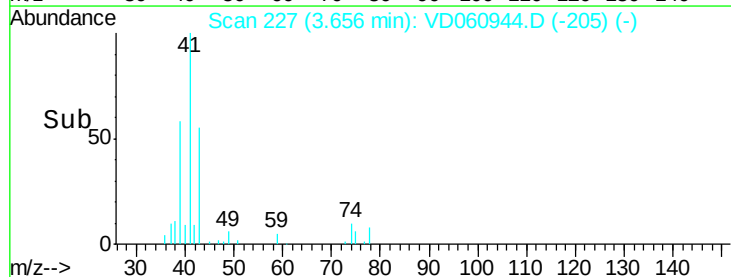
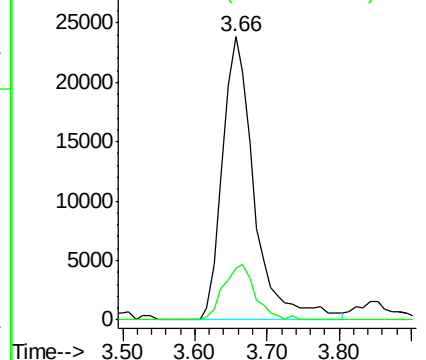


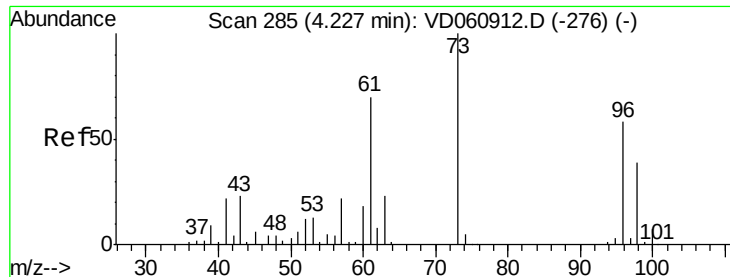
#18
Methyl Acetate
Concen: 17.586 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 43 Resp: 72660
Ion Ratio Lower Upper
43 100
74 18.1 16.1 24.1



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

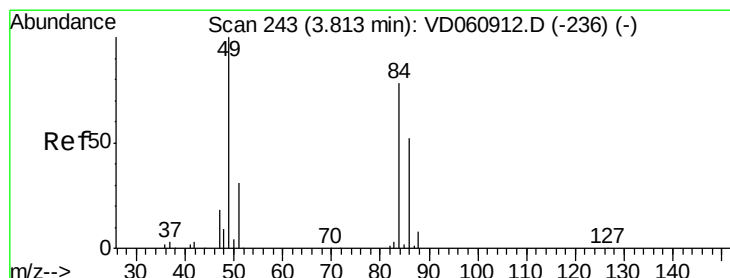
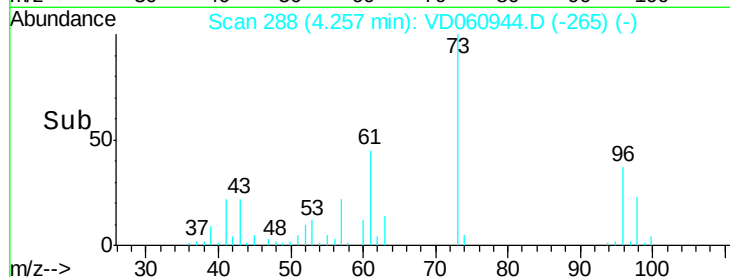
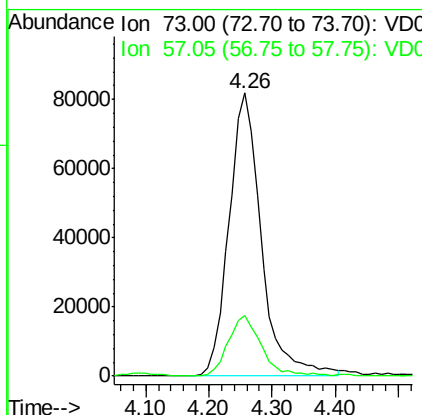
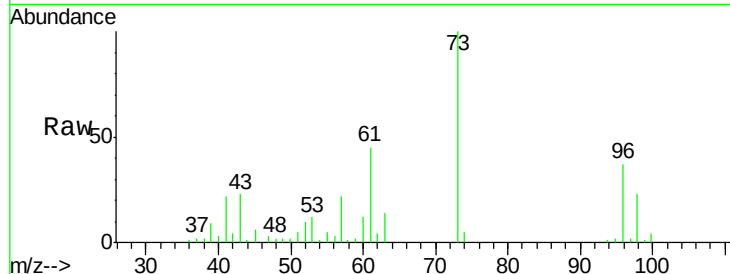




#19
Methyl tert-butyl Ether
Concen: 19.734 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.03 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

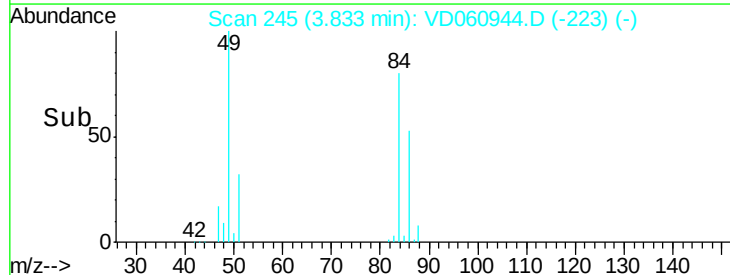
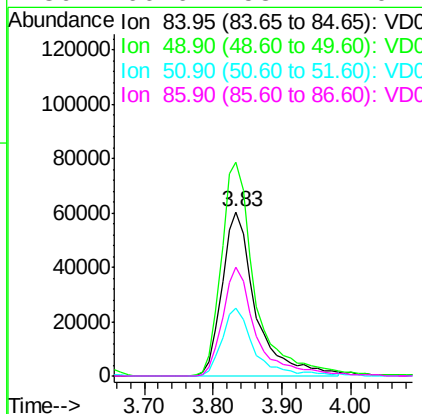
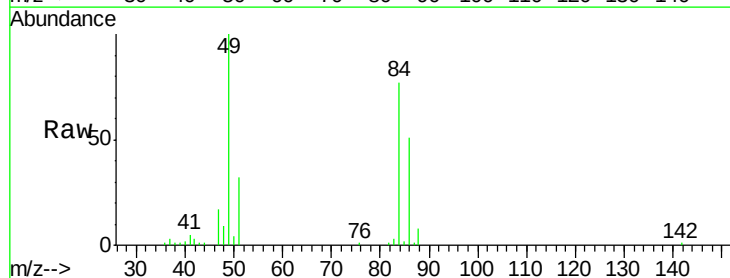
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

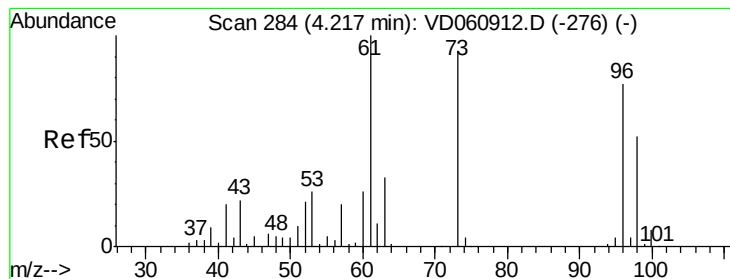
Tot Ion: 73 Resp: 291103
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.6



#20
Methylene Chloride
Concen: 18.986 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 84 Resp: 203411
Ion Ratio Lower Upper
84 100
49 130.1 102.4 153.6
51 41.5 31.9 47.9
86 66.6 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 19.770 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

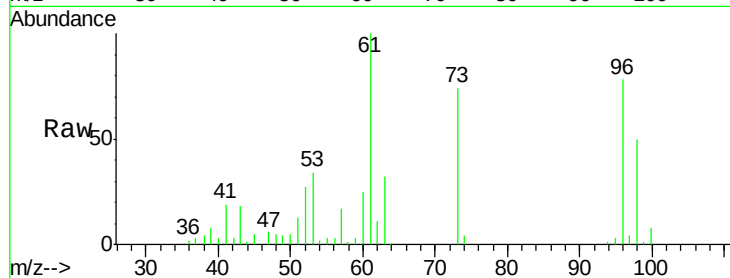
Tot Ion: 96 Resp: 180506

Ion Ratio Lower Upper

96 100

61 129.0 103.4 155.2

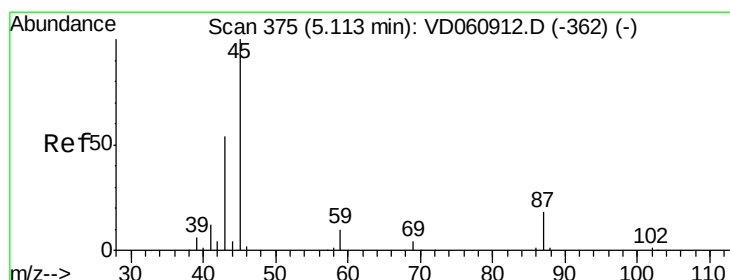
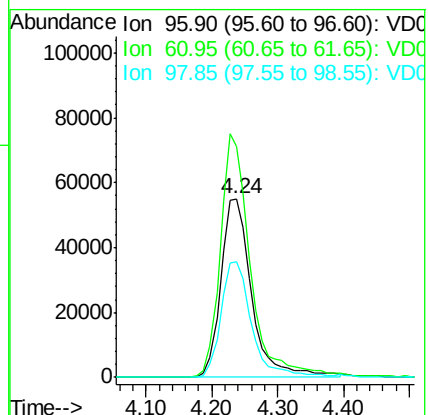
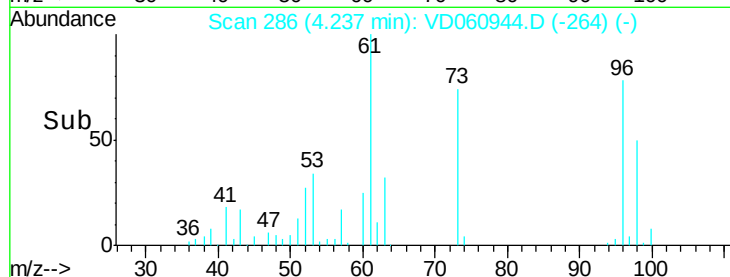
98 64.4 53.6 80.4



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: 20.138 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Tgt Ion: 45 Resp: 584944

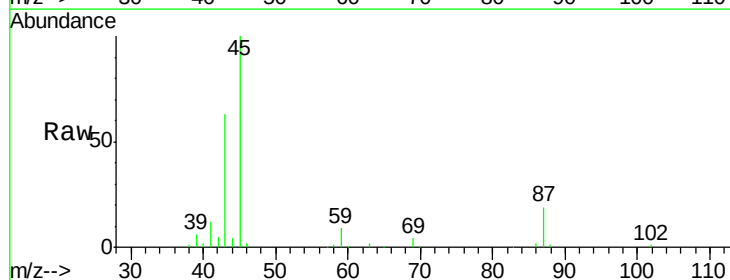
Ion Ratio Lower Upper

45 100

43 63.3 44.4 66.6

87 18.8 14.7 22.1

59 9.3 7.9 11.9

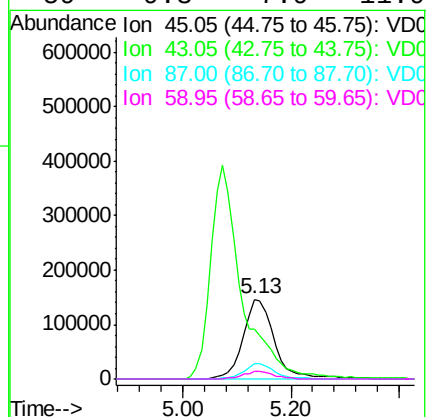
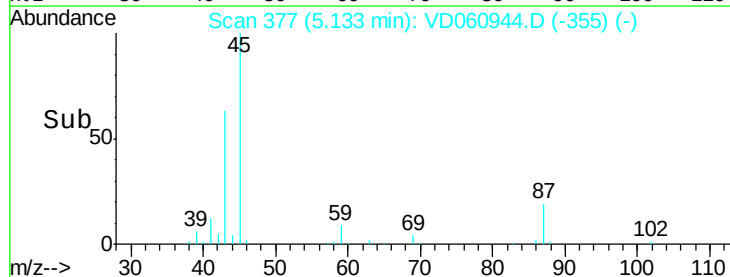


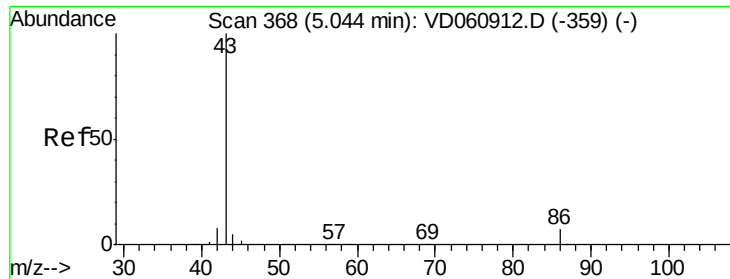
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

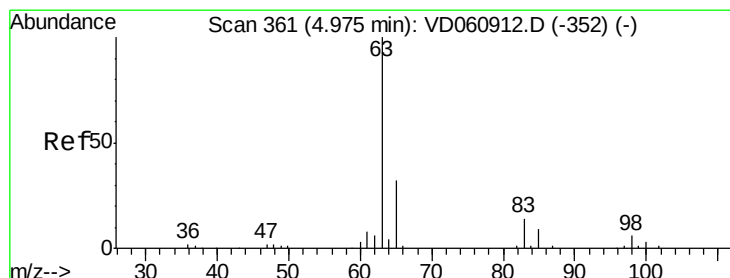
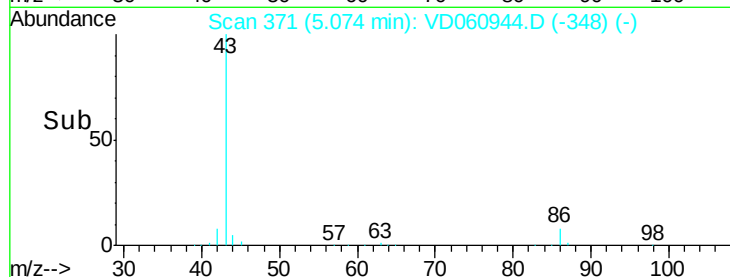
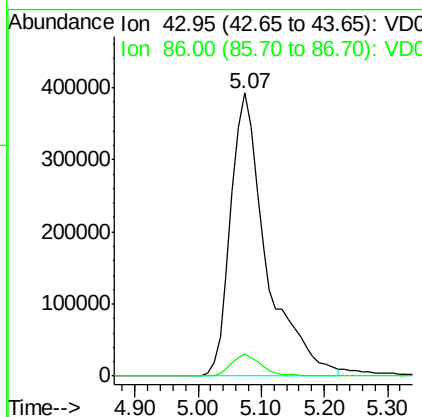
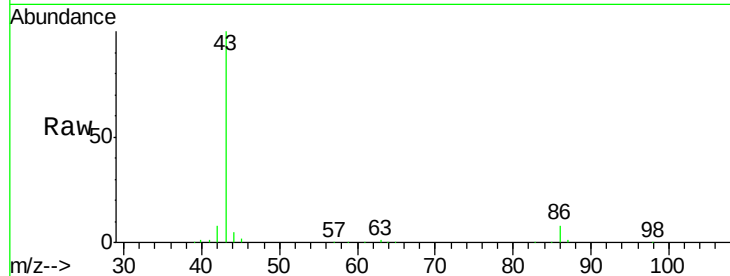




#23
 Vinyl Acetate
 Concen: 101.105 ug/l
 RT: 5.07 min Scan# 371
 Delta R.T. 0.03 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

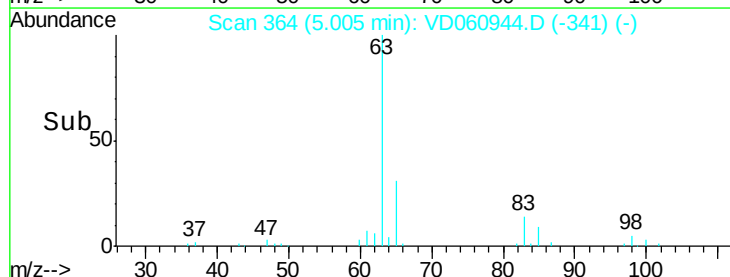
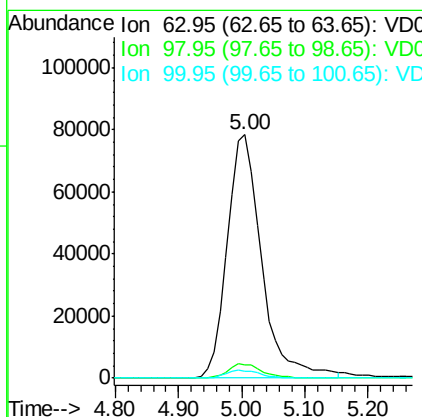
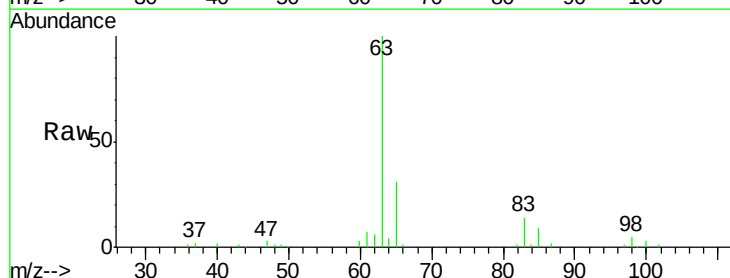
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBSD01

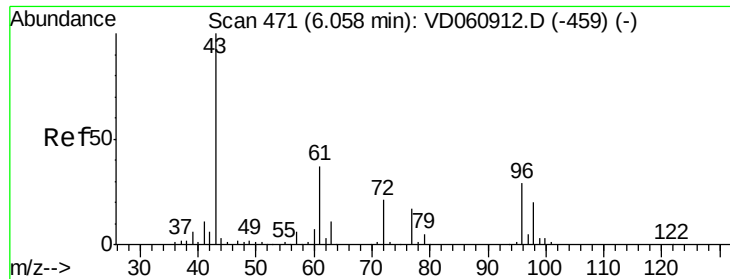
Tot Ion: 43 Resp: 1542213
 Ion Ratio Lower Upper
 43 100
 86 7.9 5.8 8.8



#24
 1,1-Dichloroethane
 Concen: 19.168 ug/l
 RT: 5.00 min Scan# 364
 Delta R.T. 0.03 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion: 63 Resp: 296941
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.9 8.8
 100 3.0 1.7 5.1





#25

2-Butanone

Concen: 102.057 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

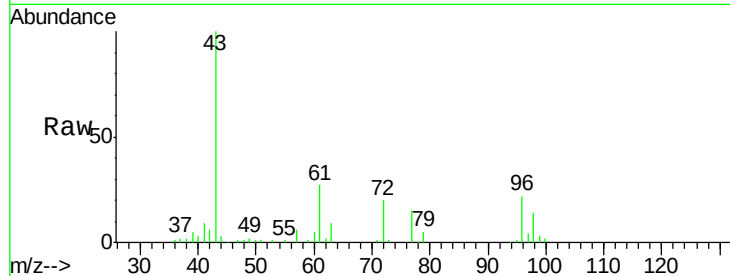
VD0305SBS01

Tot Ion: 43 Resp: 255468

Ion Ratio Lower Upper

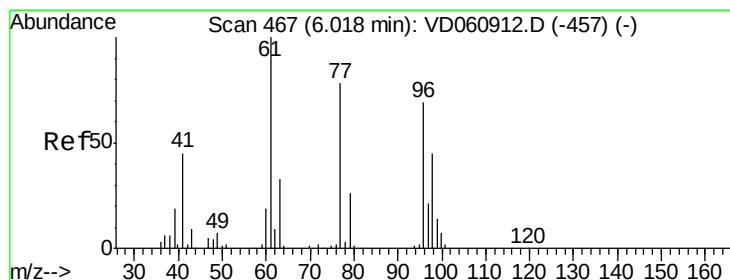
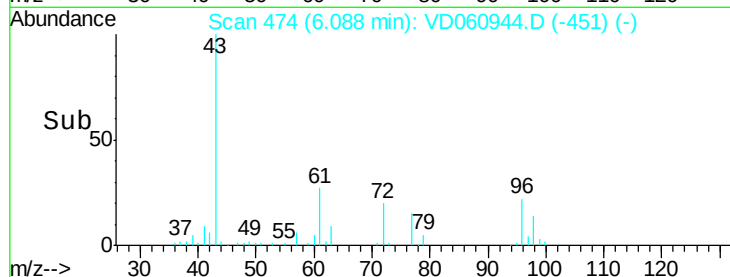
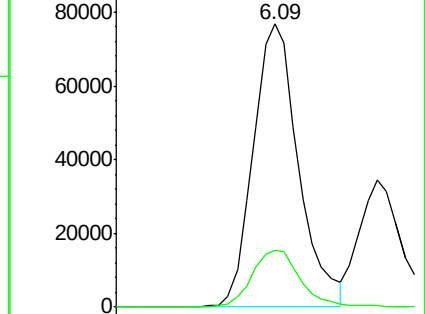
43 100

72 19.9 17.0 25.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.032 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD060944.D

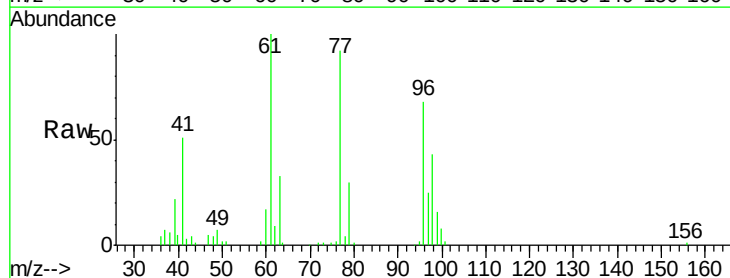
Acq: 5 Mar 2019 13:07

Tgt Ion: 77 Resp: 242042

Ion Ratio Lower Upper

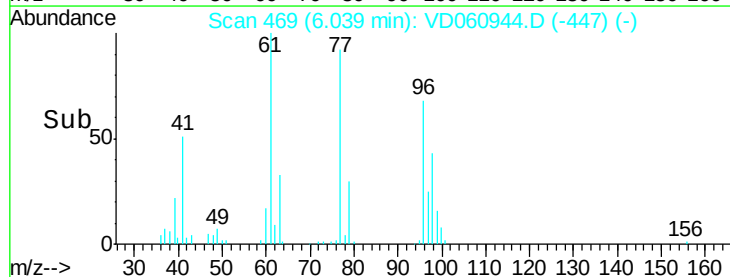
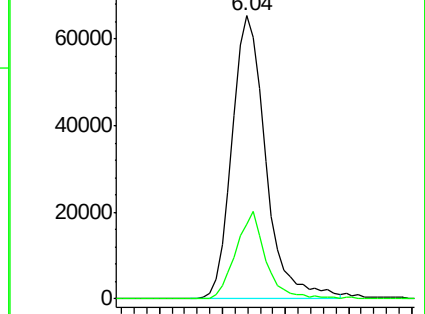
77 100

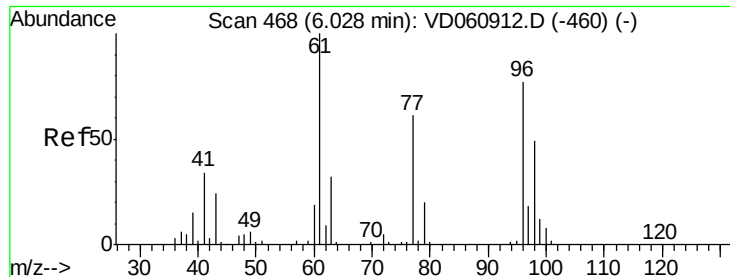
97 26.6 13.5 40.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



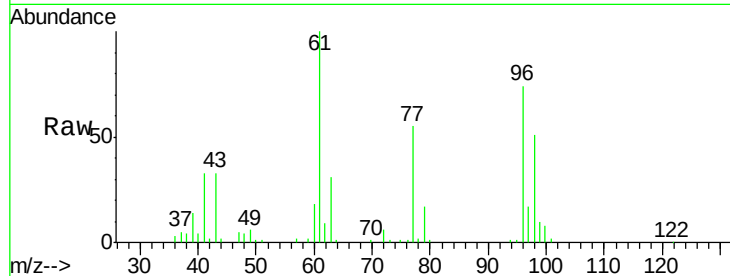


#27

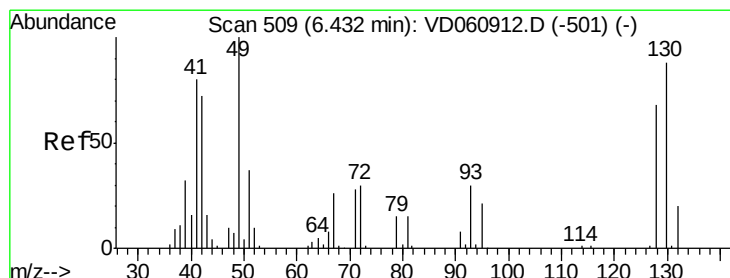
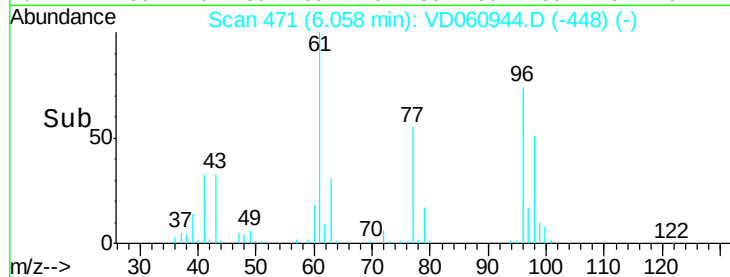
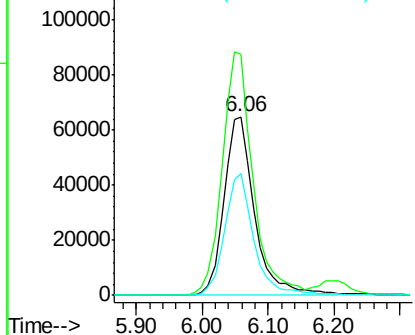
cis-1,2-Dichloroethene
Concen: 20.263 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion: 96 Resp: 209772
Ion Ratio Lower Upper
96 100
61 134.7 0.0 258.8
98 68.2 0.0 126.4



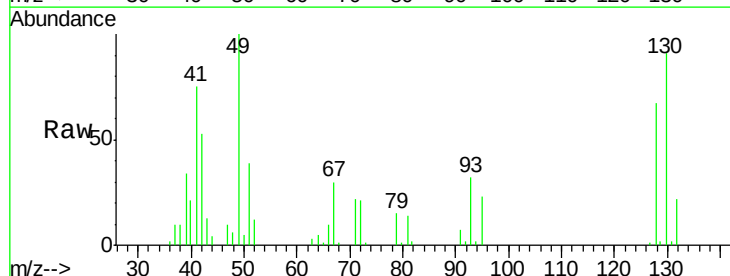
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



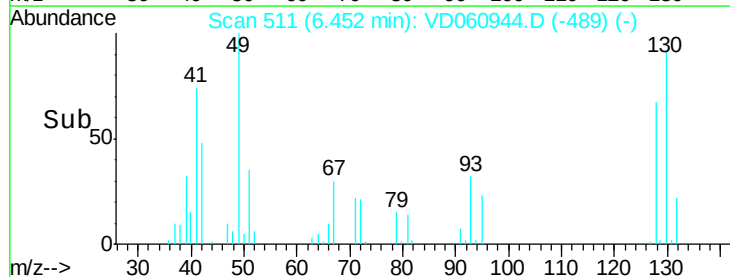
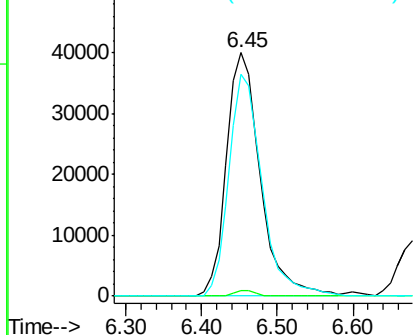
#28

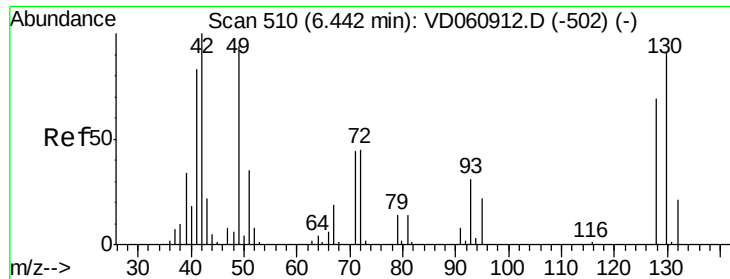
Bromochloromethane
Concen: 19.045 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 49 Resp: 123923
Ion Ratio Lower Upper
49 100
129 2.3 0.0 0.0#
130 91.0 70.4 105.6



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

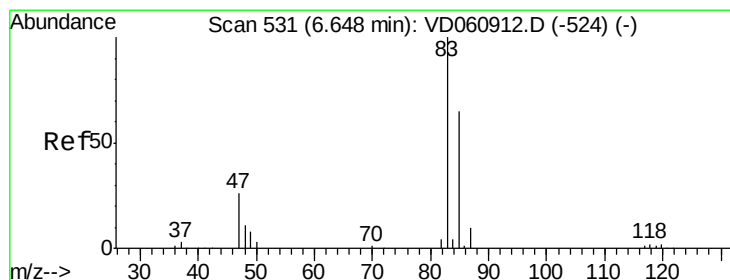
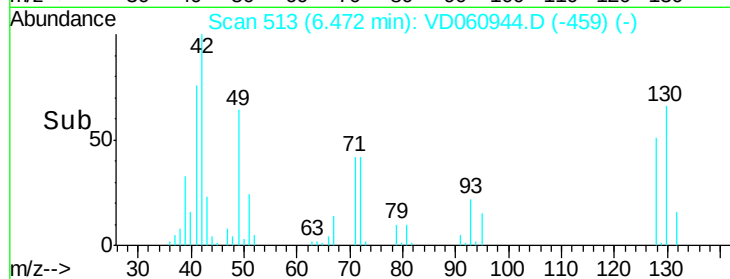
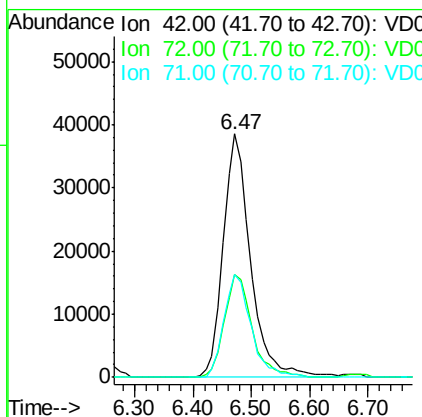
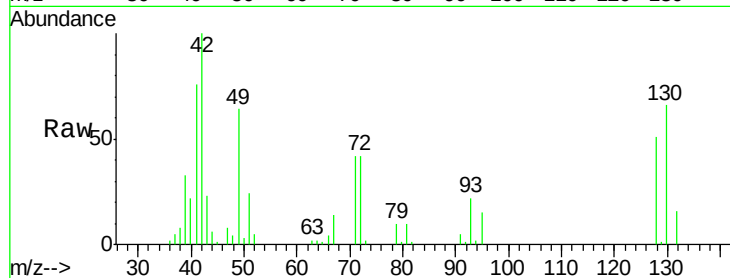




#29
Tetrahydrofuran
Concen: 97.746 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

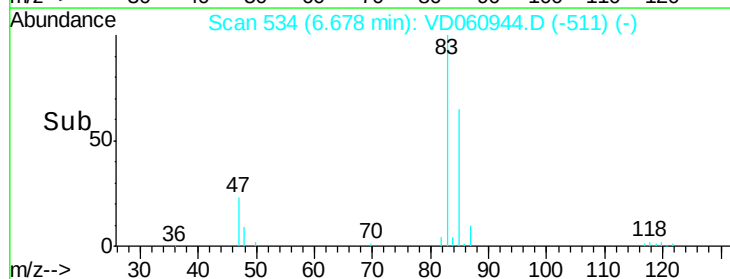
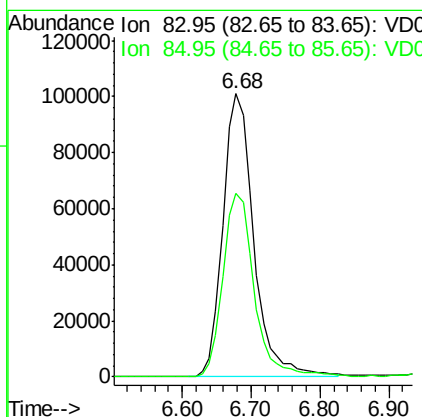
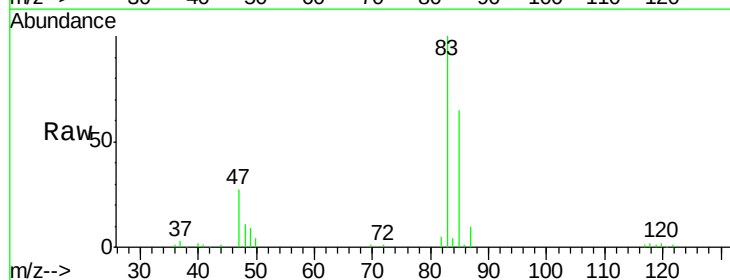
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

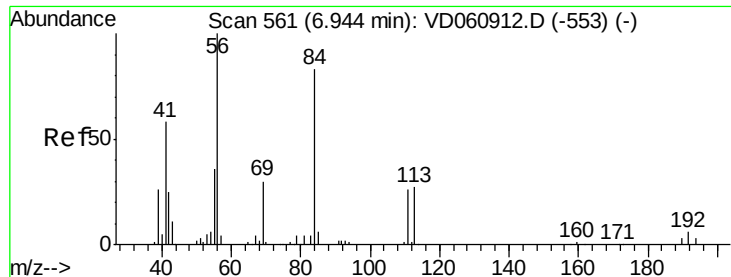
Tot Ion: 42 Resp: 125943
Ion Ratio Lower Upper
42 100
72 42.7 33.8 50.6
71 41.7 33.5 50.3



#30
Chloroform
Concen: 20.858 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.03 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 83 Resp: 313387
Ion Ratio Lower Upper
83 100
85 65.1 51.7 77.5

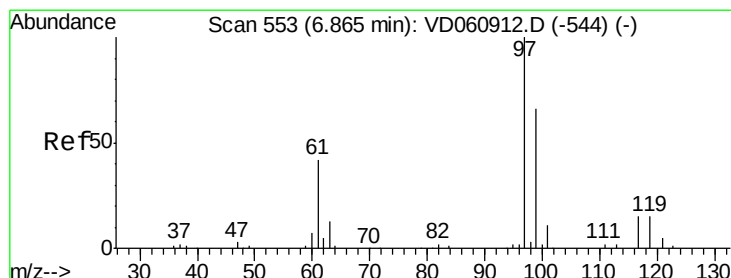
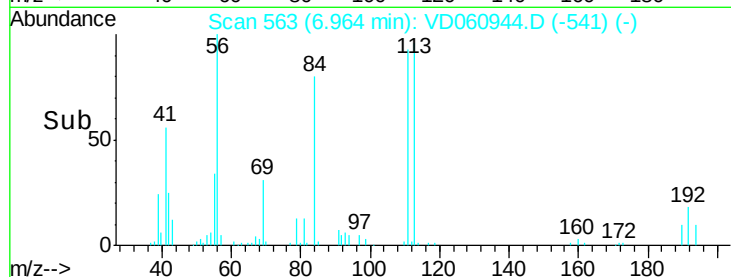
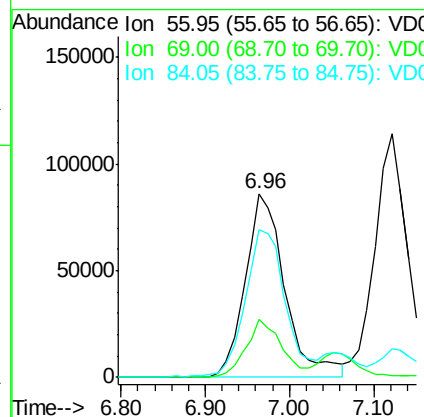
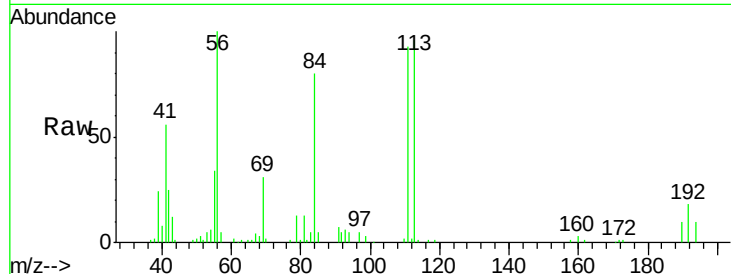




#31
Cyclohexane
Concen: 21.248 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

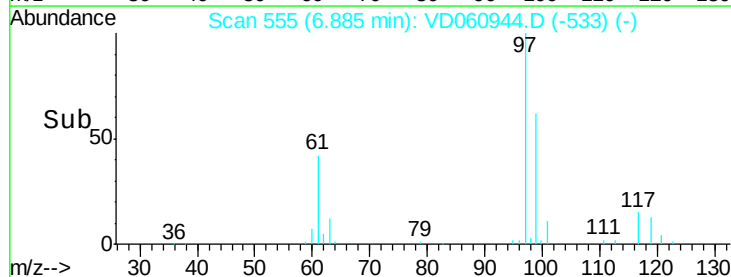
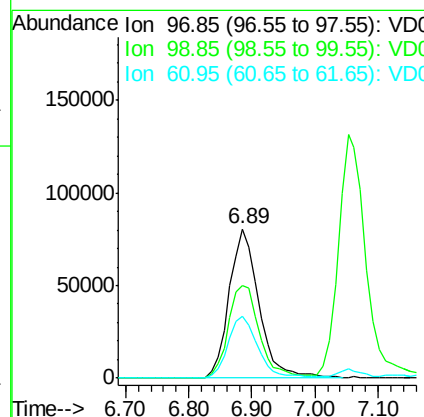
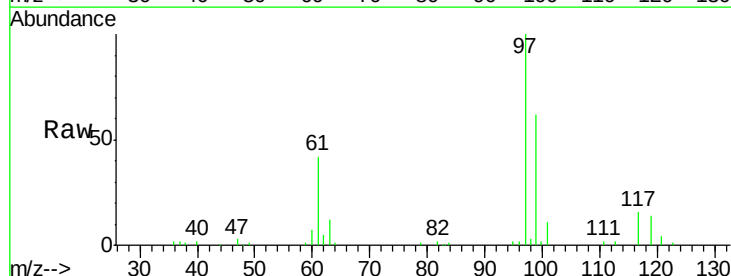
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

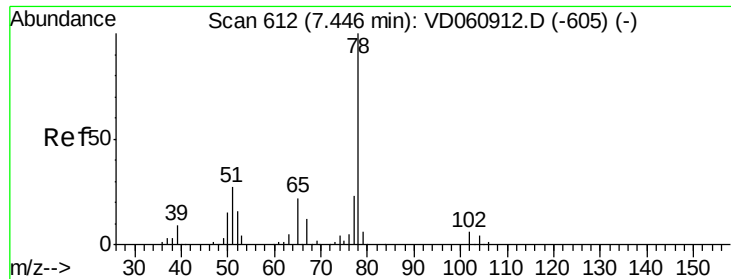
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.6	35.4
84	80.4	66.5	99.7



#32
1,1,1-Trichloroethane
Concen: 20.459 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.7	52.8	79.2
61	41.6	33.3	49.9





#33

1,2-Dichloroethane-d4

Concen: 20.459 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

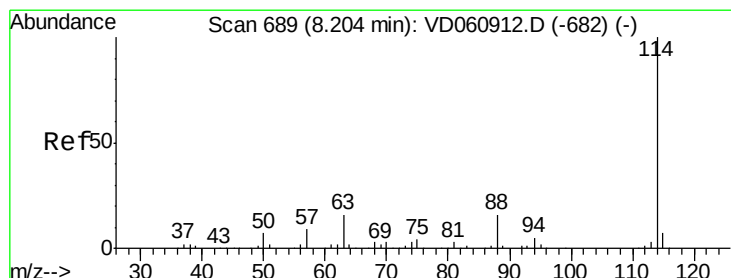
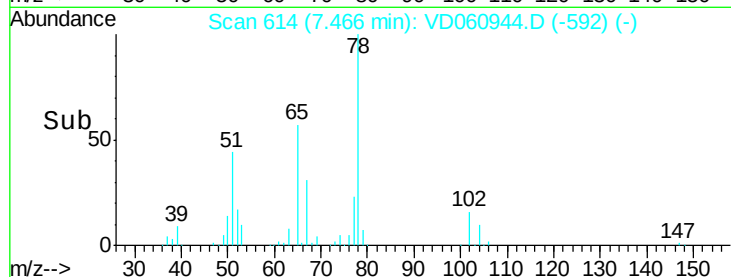
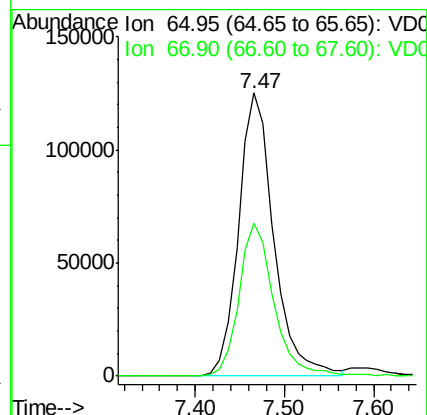
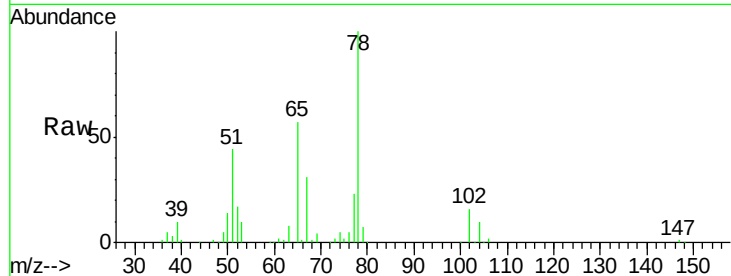
VD0305SBSD01

Tot Ion: 65 Resp: 344384

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

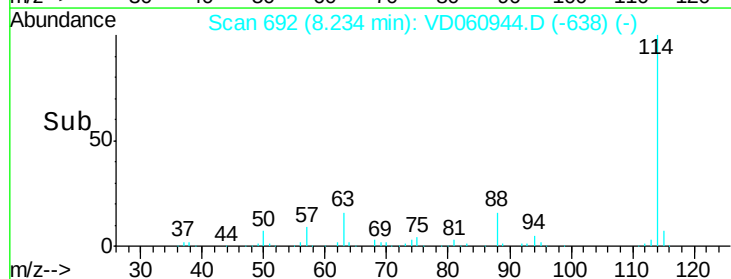
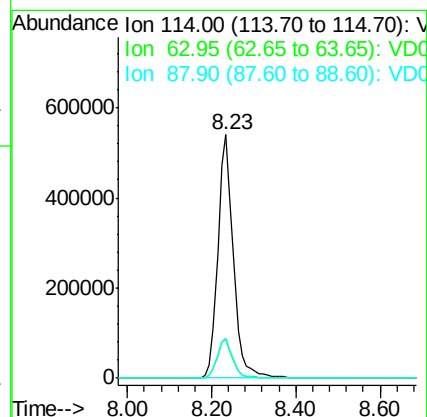
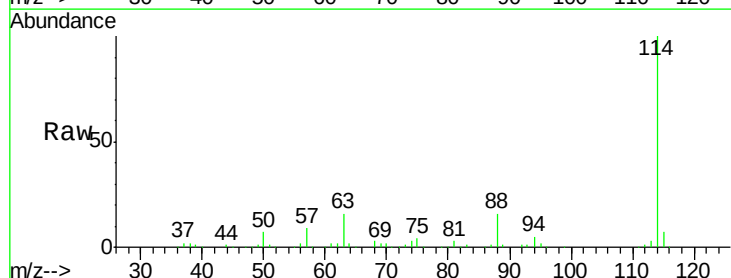
Tgt Ion: 114 Resp: 1379546

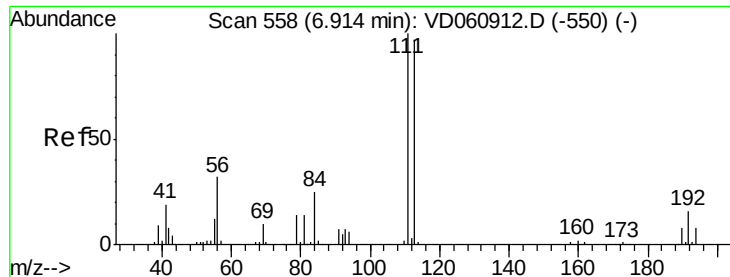
Ion Ratio Lower Upper

114 100

63 16.2 0.0 32.0

88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBSD01

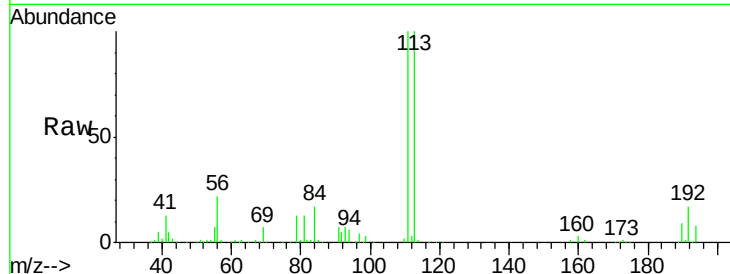
Tot Ion:113 Resp: 553466

Ion Ratio Lower Upper

113 100

111 100.0 82.6 124.0

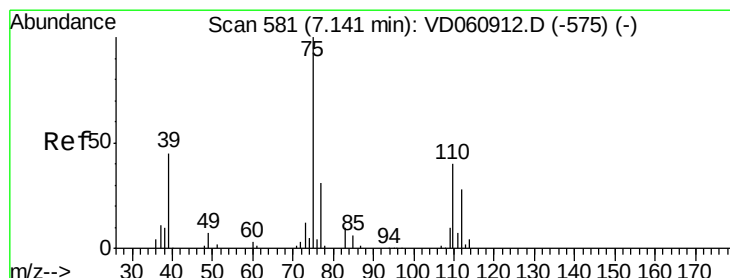
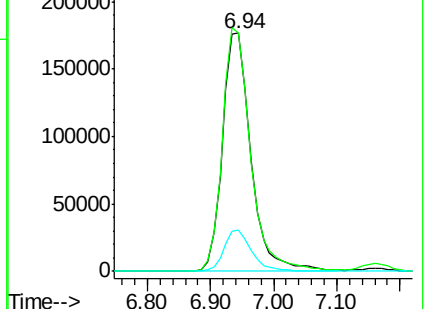
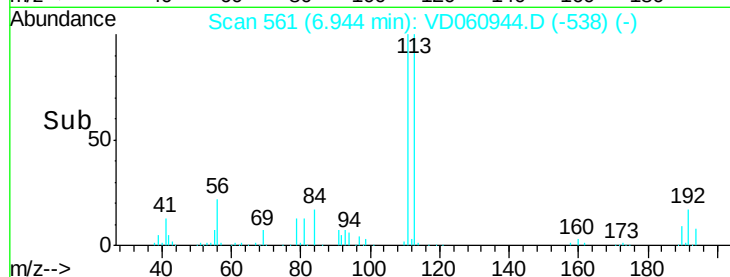
192 17.4 13.4 20.2



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: 19.502 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

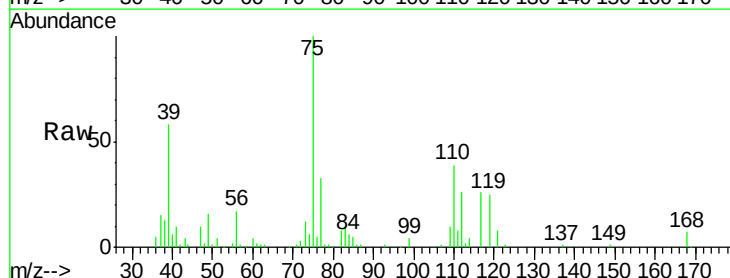
Tgt Ion: 75 Resp: 247356

Ion Ratio Lower Upper

75 100

110 39.2 19.9 59.7

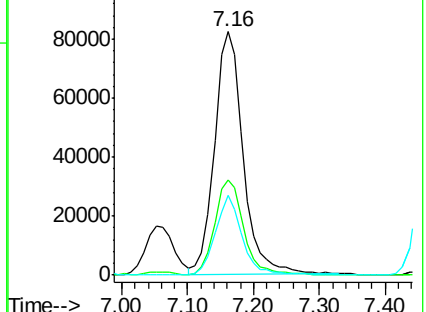
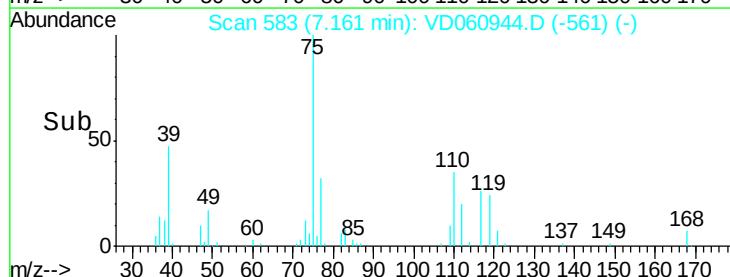
77 32.6 25.0 37.6

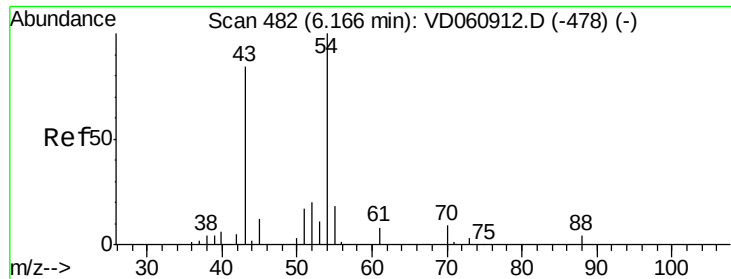


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

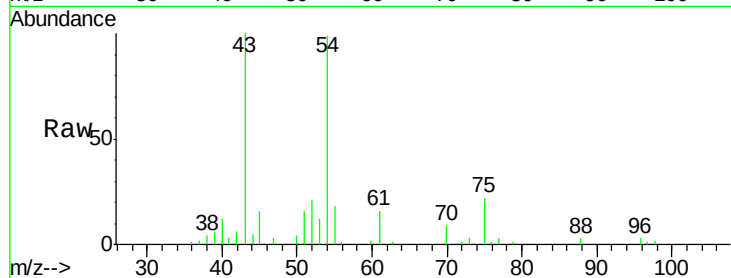




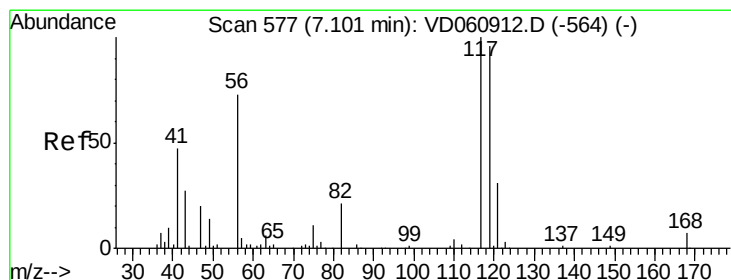
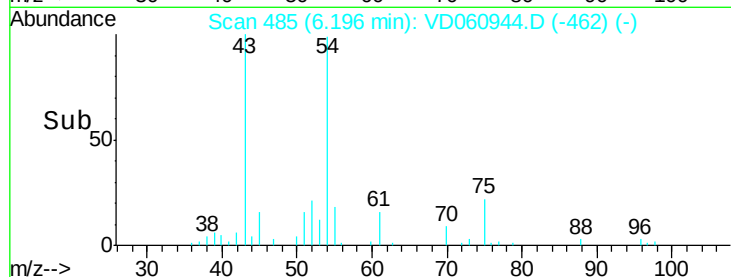
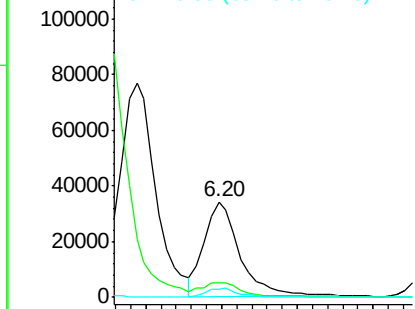
#37
Ethyl Acetate
Concen: 17.026 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion: 43 Resp: 111019
Ion Ratio Lower Upper
43 100
61 15.6 12.1 18.1
70 8.9 7.3 10.9

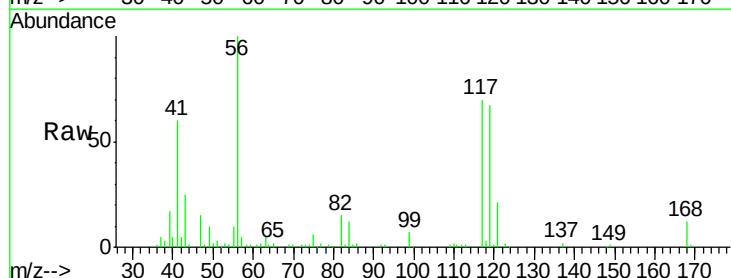


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

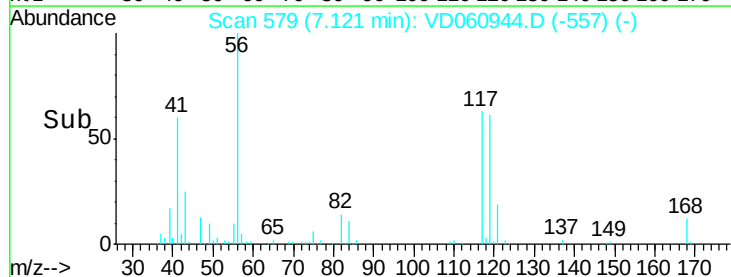
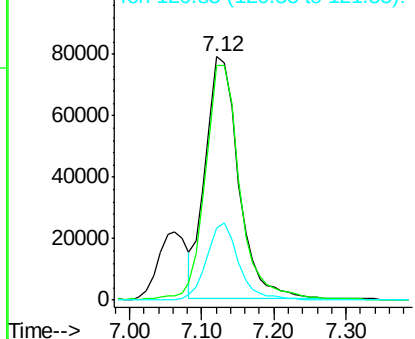


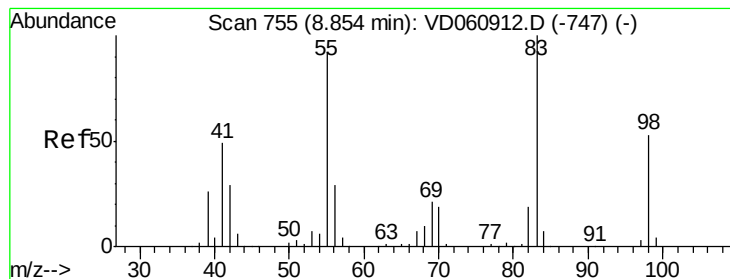
#38
Carbon Tetrachloride
Concen: 18.511 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 117 Resp: 252250
Ion Ratio Lower Upper
117 100
119 96.6 76.9 115.3
121 29.7 24.5 36.7



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

Methylvlcyclohexane

Concen: 19.353 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

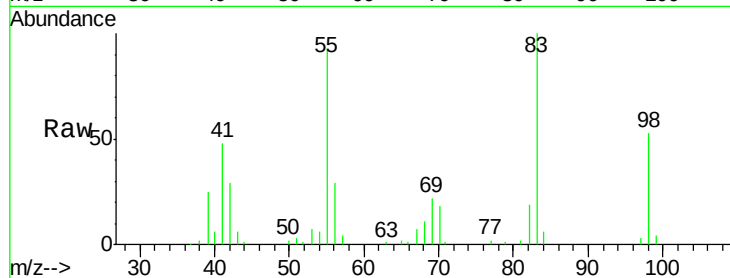
Tot Ion: 83 Resp: 268333

Ion Ratio Lower Upper

83 100

55 92.1 73.8 110.8

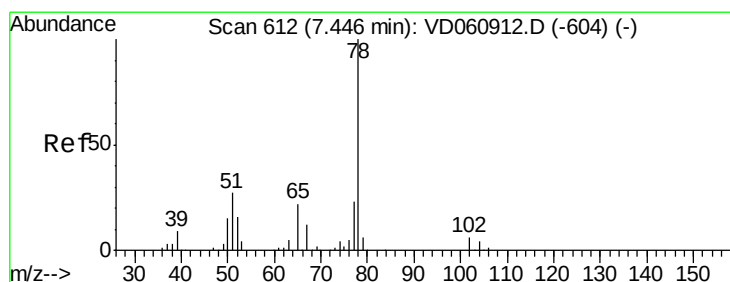
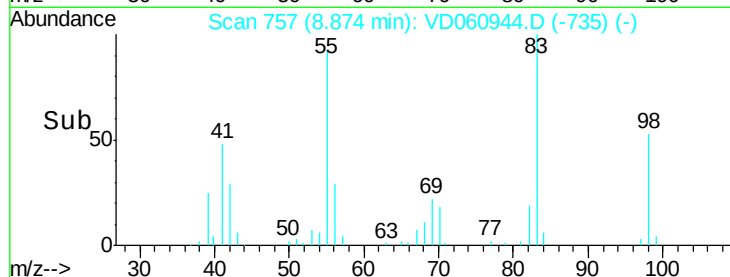
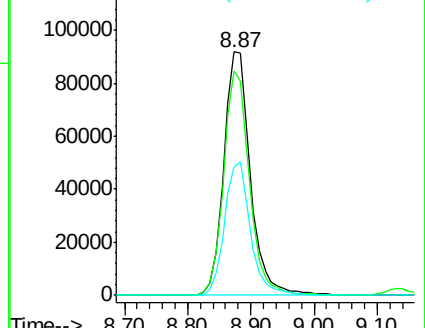
98 52.6 42.4 63.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.405 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060944.D

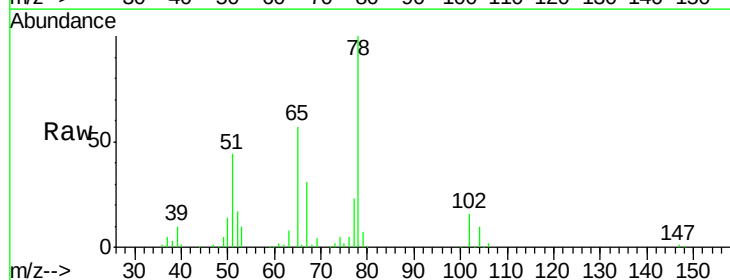
Acq: 5 Mar 2019 13:07

Tgt Ion: 78 Resp: 626831

Ion Ratio Lower Upper

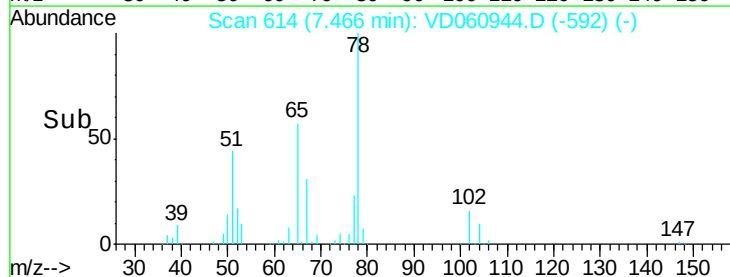
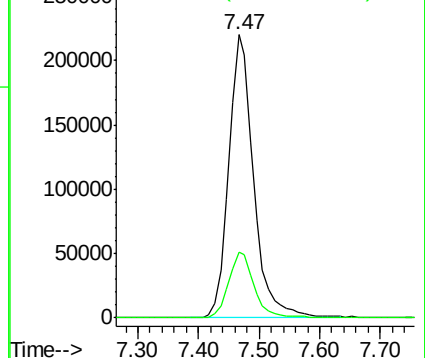
78 100

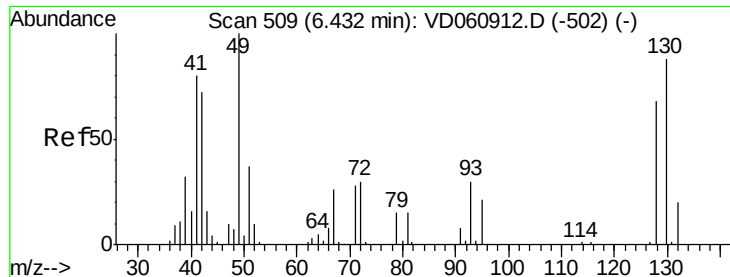
77 23.2 18.4 27.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 17.405 ug/l m

RT: 6.46 min Scan# 512

Delta R.T. 0.03 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 41 Resp: 70899

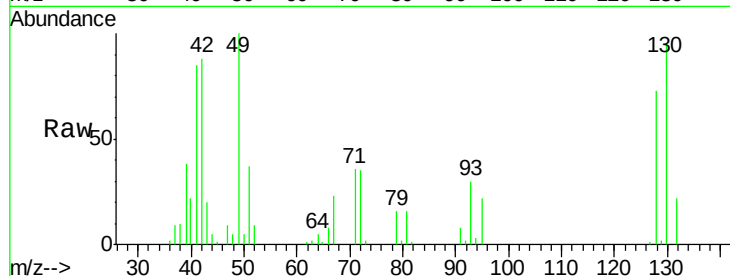
Ion Ratio Lower Upper

41 100

39 44.4 32.1 48.1

67 27.3 25.6 38.4

52 10.4 9.7 14.5

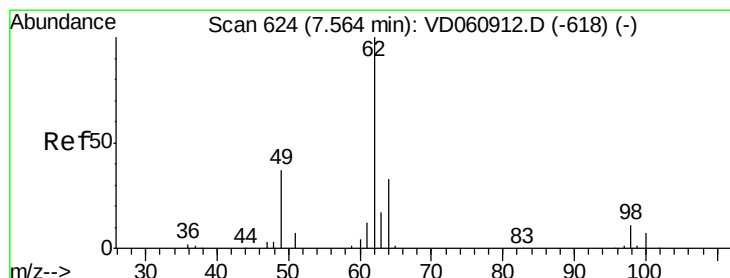
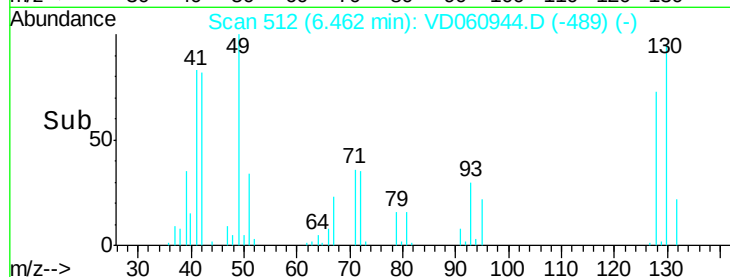
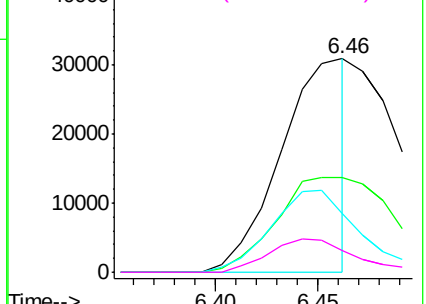


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.484 ug/l

RT: 7.59 min Scan# 627

Delta R.T. 0.03 min

Lab File: VD060944.D

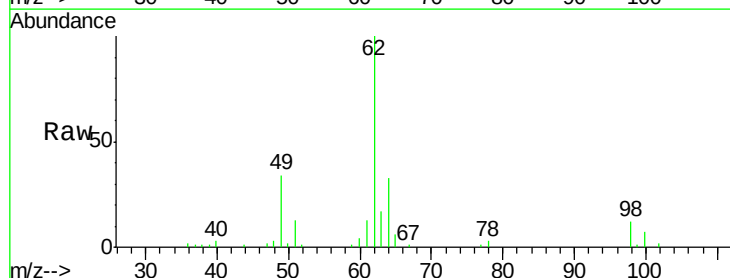
Acq: 5 Mar 2019 13:07

Tgt Ion: 62 Resp: 167998

Ion Ratio Lower Upper

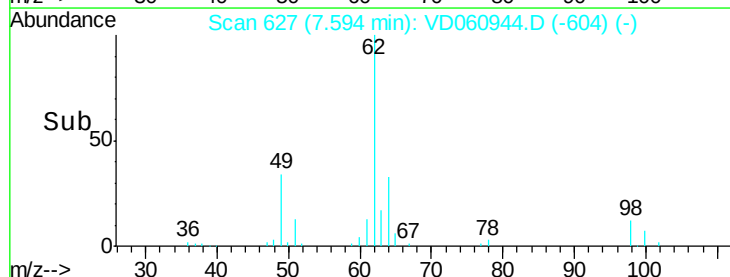
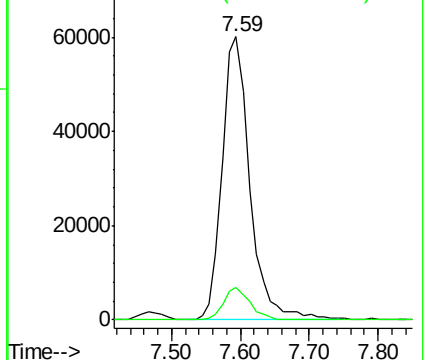
62 100

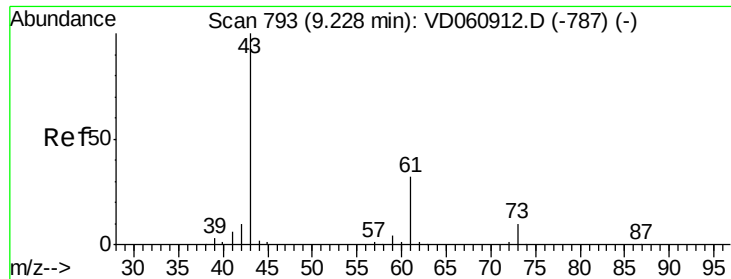
98 11.5 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.726 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

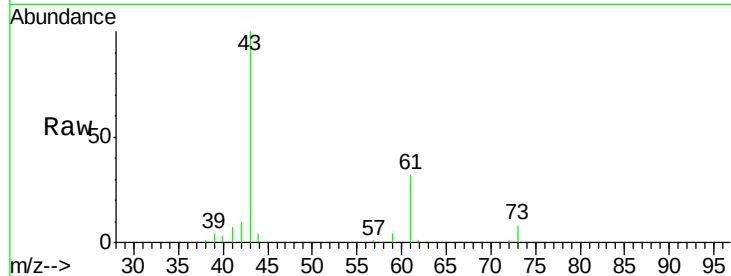
Tot Ion: 43 Resp: 170243

Ion Ratio Lower Upper

43 100

61 31.5 25.6 38.4

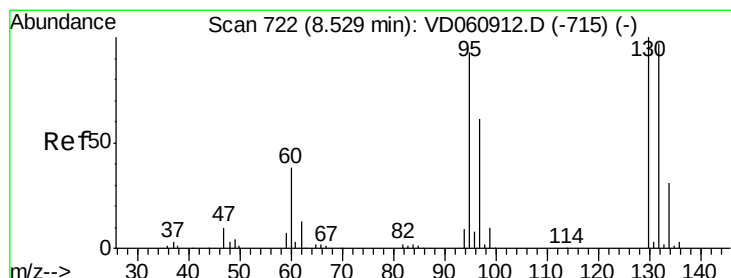
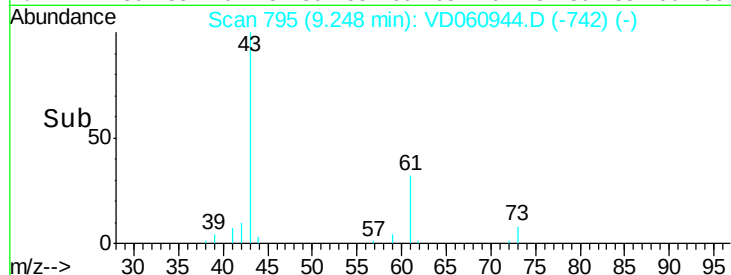
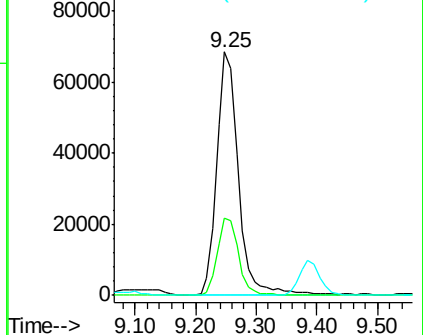
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.897 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.02 min

Lab File: VD060944.D

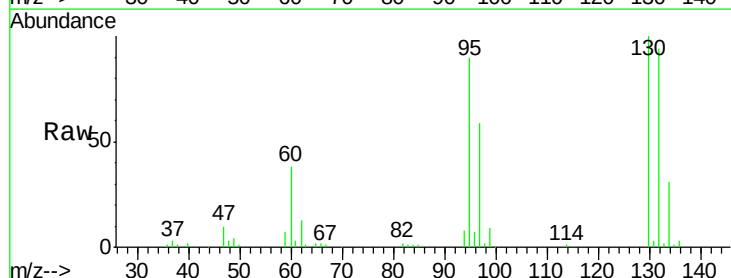
Acq: 5 Mar 2019 13:07

Tgt Ion:130 Resp: 209049

Ion Ratio Lower Upper

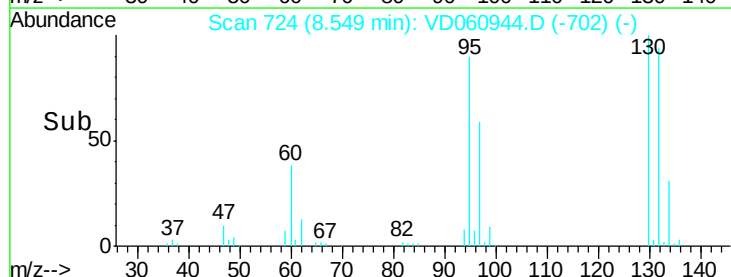
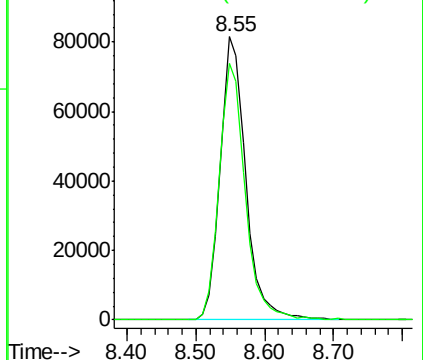
130 100

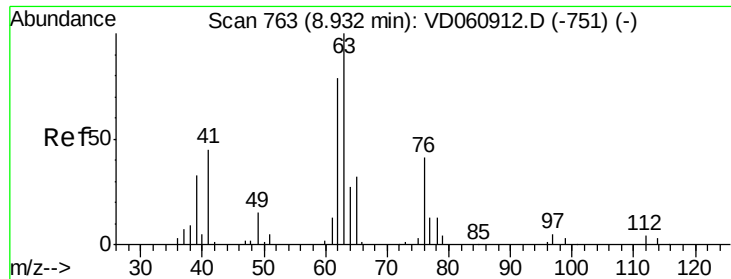
95 90.4 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

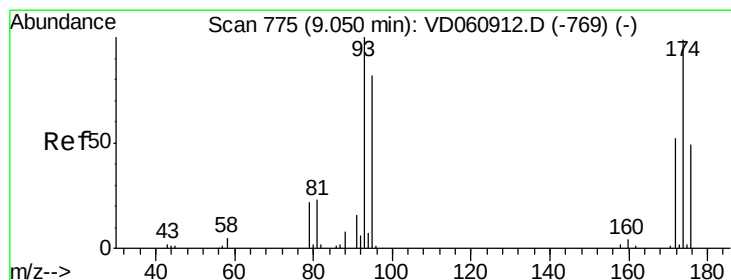
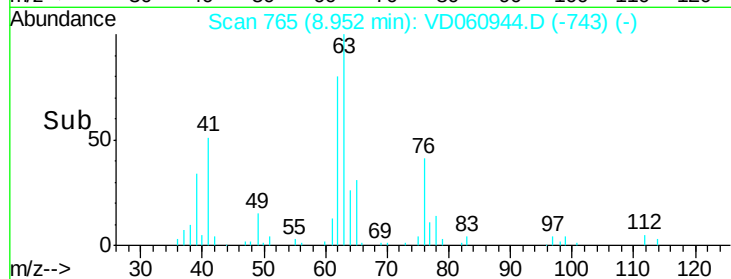
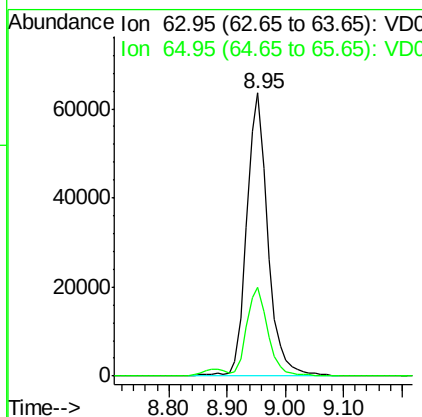
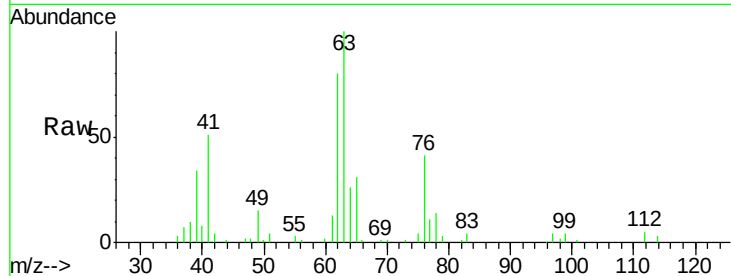




#45
 1,2-Dichloropropane
 Concen: 18.972 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

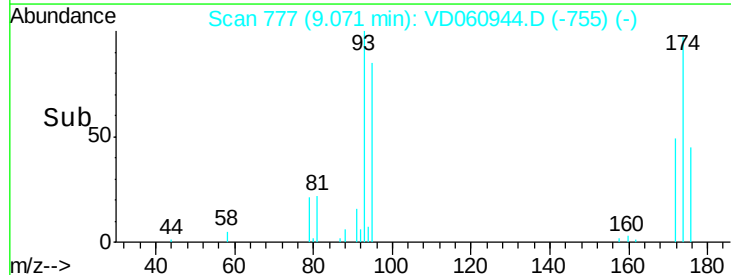
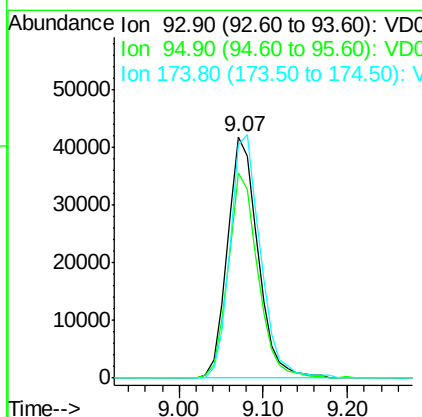
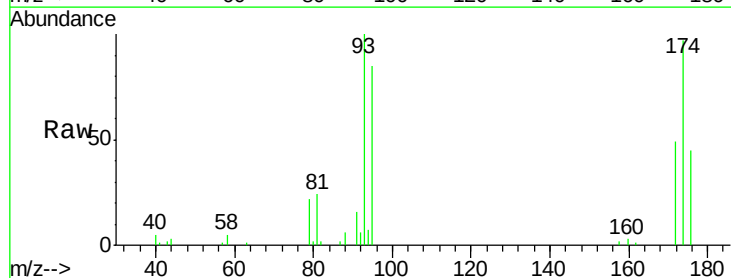
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

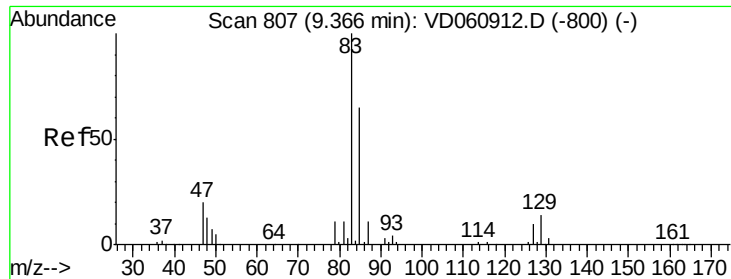
Tot Ion: 63 Resp: 162245
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.8 38.6



#46
 Dibromomethane
 Concen: 19.025 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion: 93 Resp: 104945
 Ion Ratio Lower Upper
 93 100
 95 85.3 65.8 98.6
 174 97.0 79.5 119.3

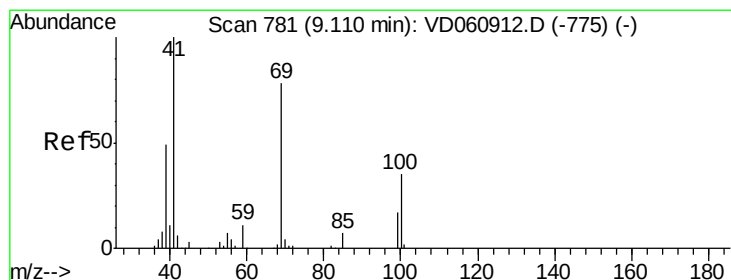
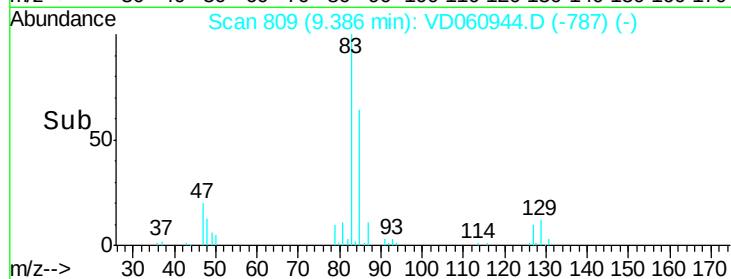
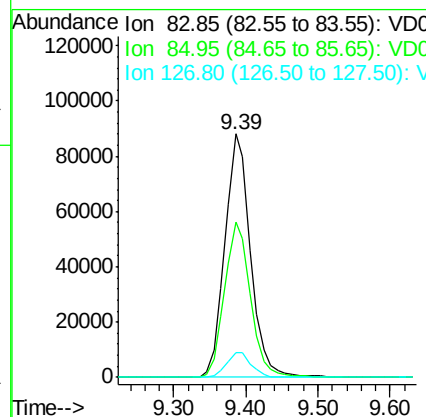
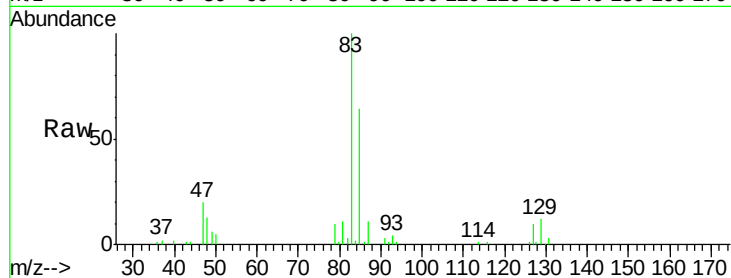




#47
Bromodichloromethane
Concen: 17.904 ug/l
RT: 9.39 min Scan# 809
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

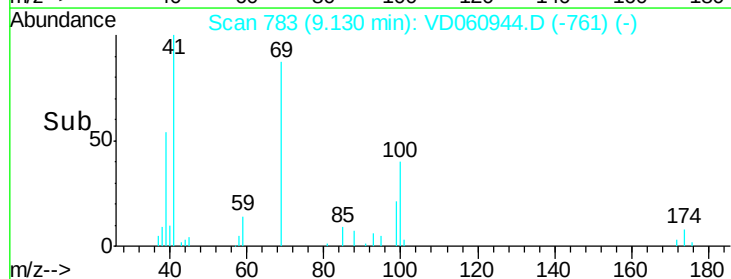
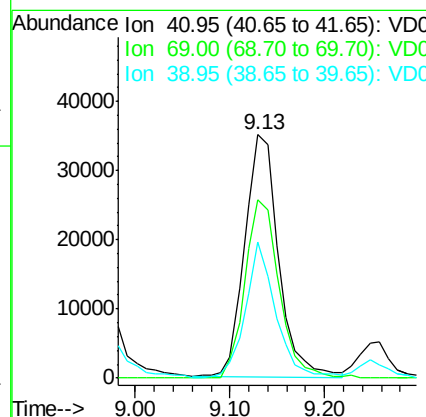
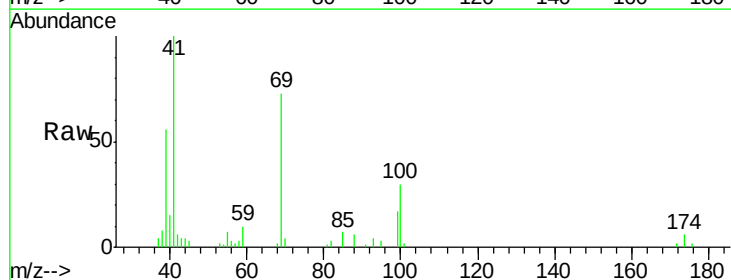
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

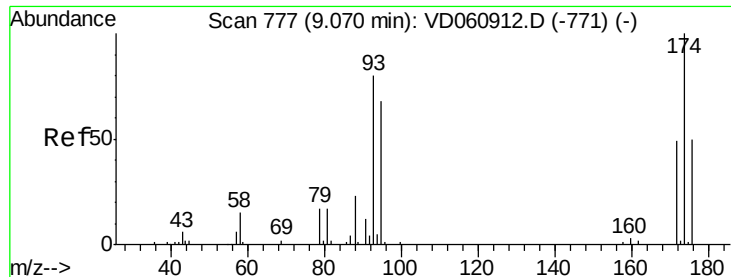
Tot Ion: 83 Resp: 215433
Ion Ratio Lower Upper
83 100
85 64.0 52.2 78.4
127 10.2 8.2 12.4



#48
Methyl methacrylate
Concen: 16.939 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 41 Resp: 86517
Ion Ratio Lower Upper
41 100
69 73.2 62.1 93.1
39 55.9 39.5 59.3

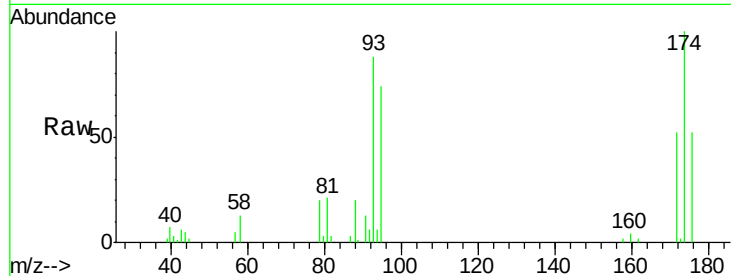




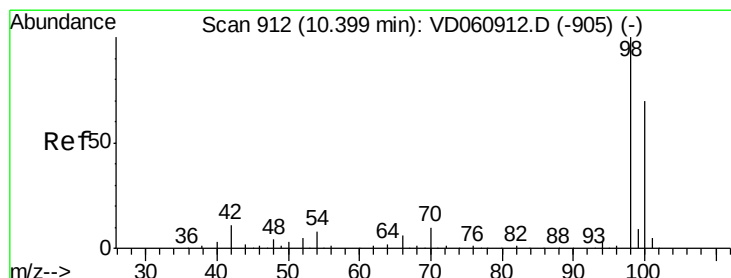
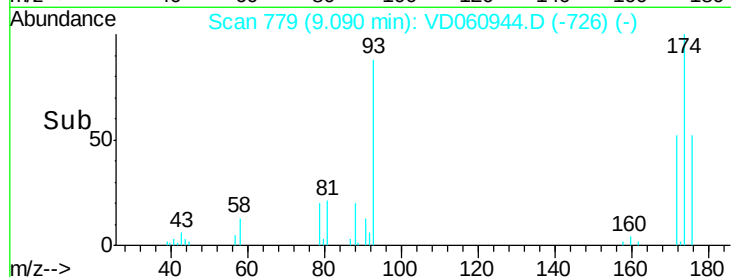
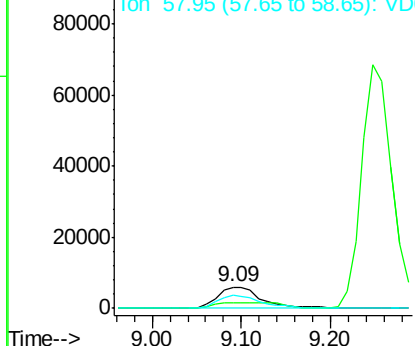
#49
1,4-Dioxane
Concen: 376.414 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion: 88 Resp: 20127
Ion Ratio Lower Upper
88 100
43 28.6 24.2 36.4
58 62.3 51.1 76.7

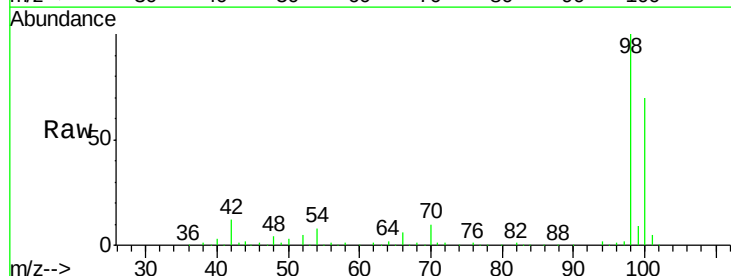


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

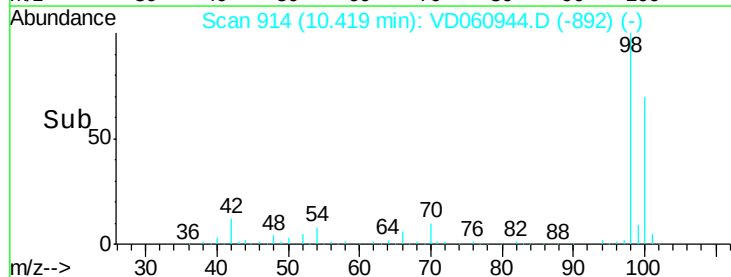
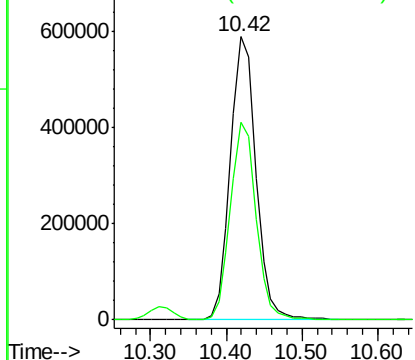


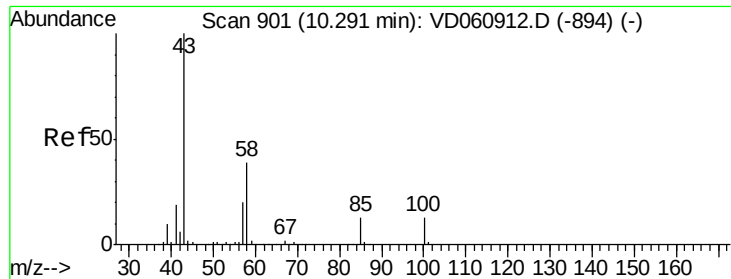
#50
Toluene-d8
Concen: 376.414 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 98 Resp: 1380779
Ion Ratio Lower Upper
98 100
100 69.7 57.0 85.4



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: 93.415 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

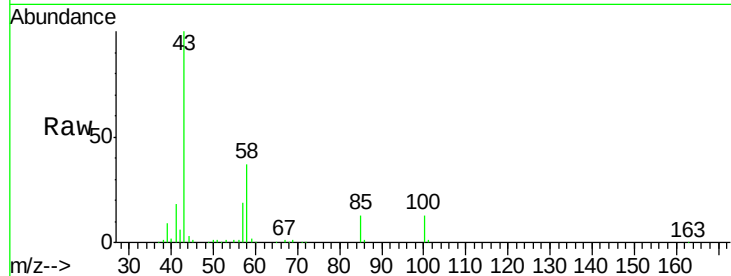
VD0305SBS01

Tot Ion: 43 Resp: 517052

Ion Ratio Lower Upper

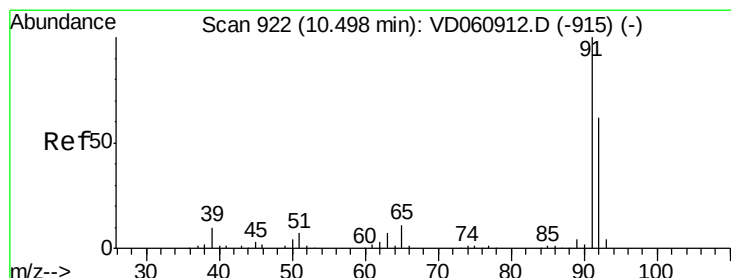
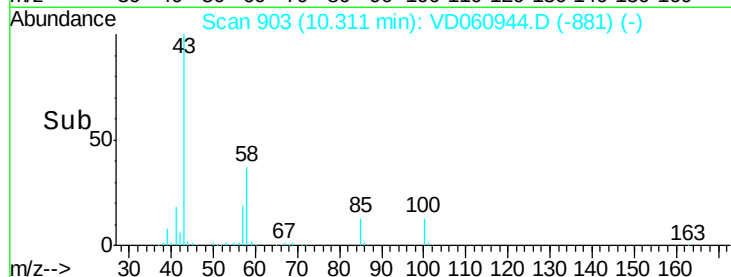
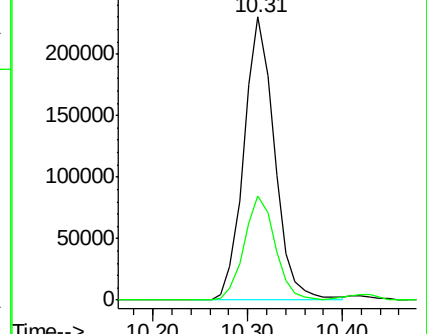
43 100

58 37.0 31.0 46.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 18.710 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD060944.D

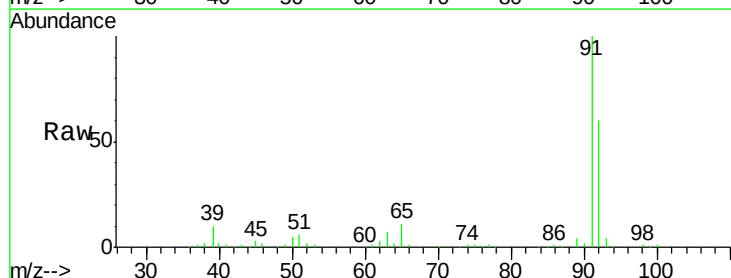
Acq: 5 Mar 2019 13:07

Tgt Ion: 92 Resp: 388296

Ion Ratio Lower Upper

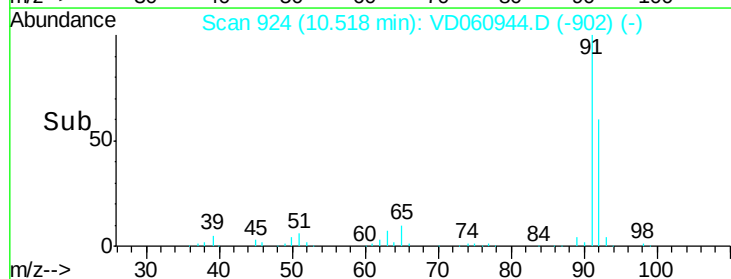
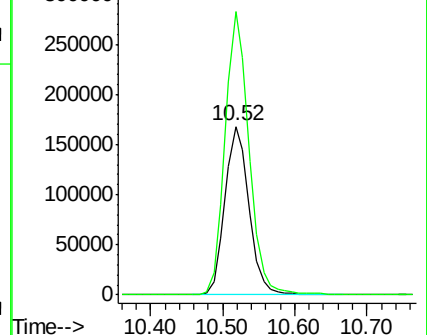
92 100

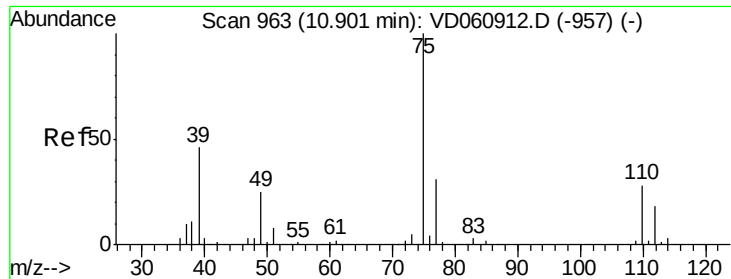
91 167.8 129.9 194.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

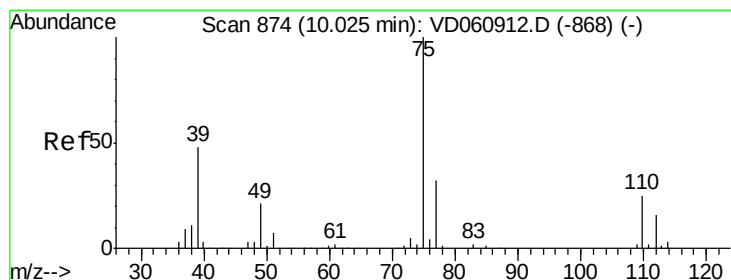
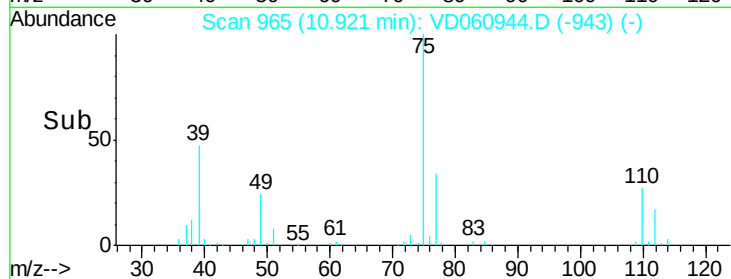
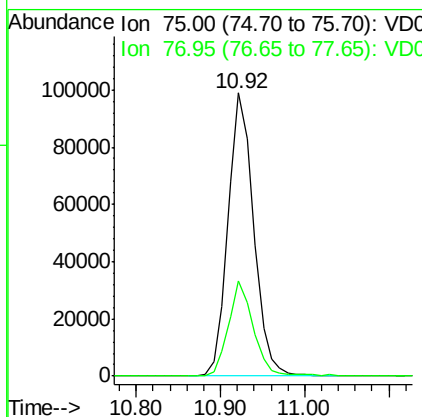
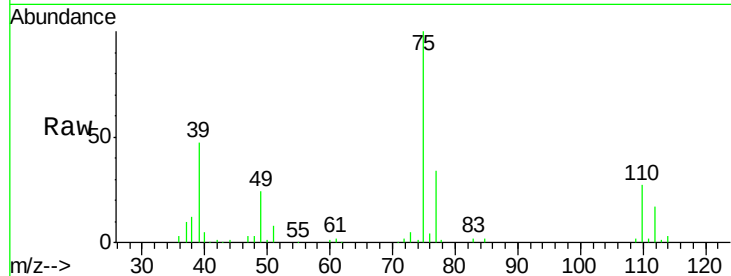




#53
 t-1,3-Dichloropropene
 Concen: 18.902 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

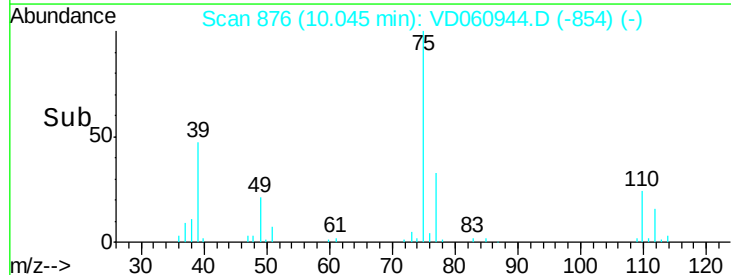
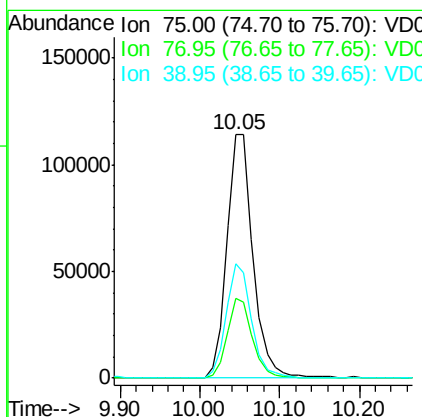
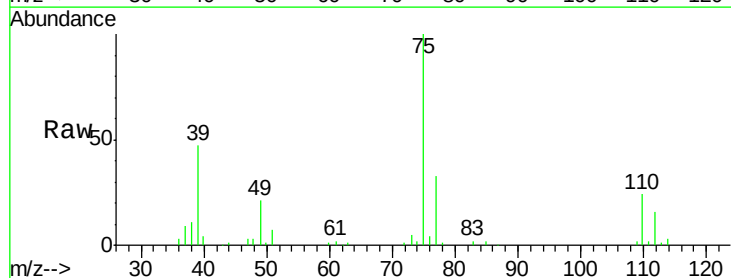
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBSD01

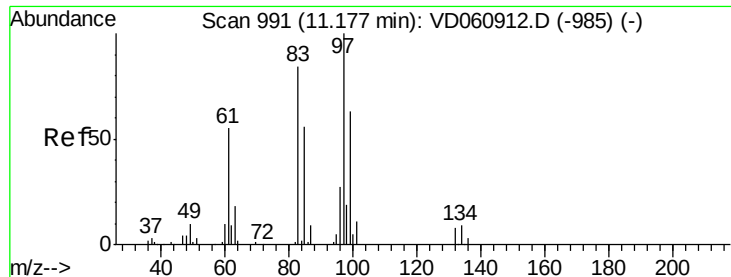
Tot Ion: 75 Resp: 209293
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 19.220 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion: 75 Resp: 263892
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.3 37.9
 39 46.8 38.2 57.4

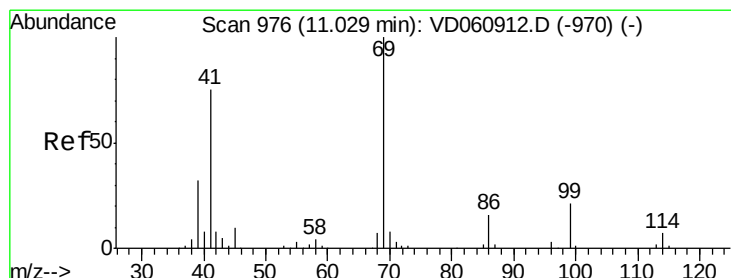
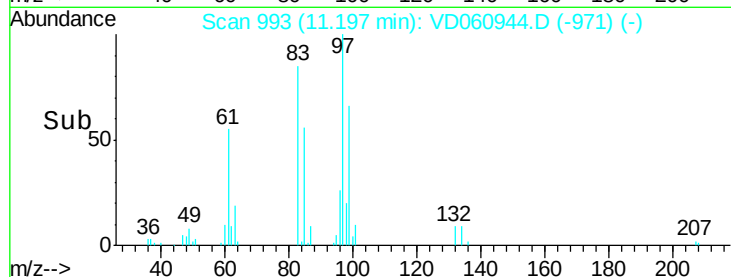
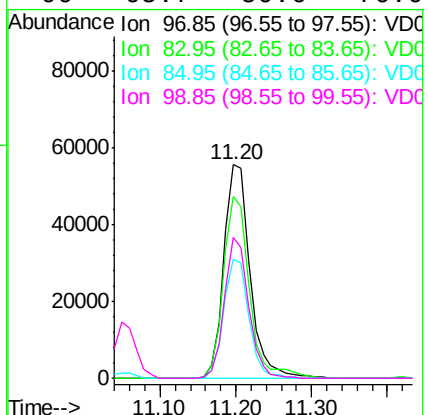
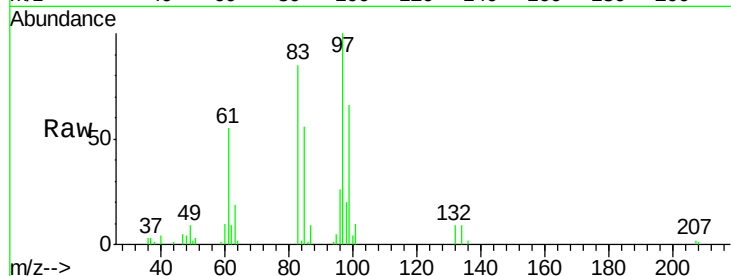




#55
 1,1,2-Trichloroethane
 Concen: 19.447 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

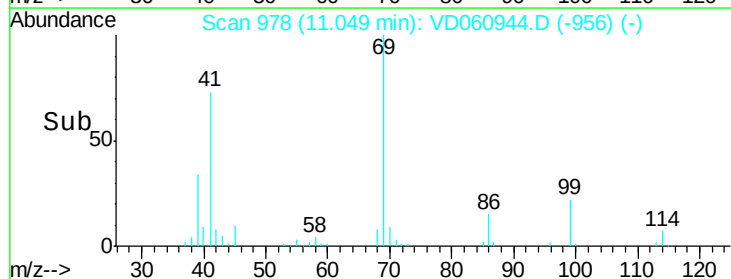
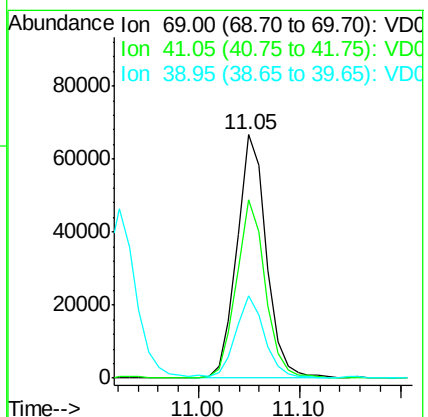
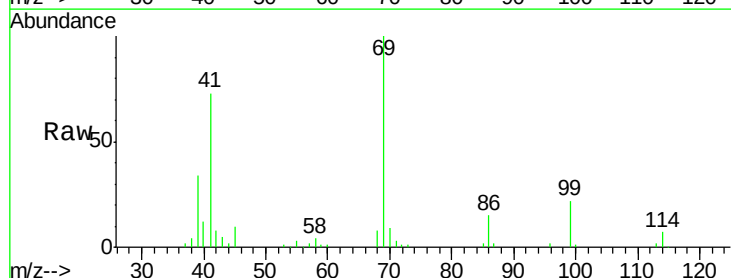
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

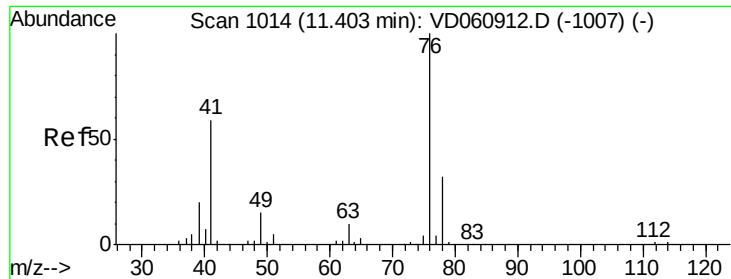
Tot Ion: 97 Resp: 133467
 Ion Ratio Lower Upper
 97 100
 83 84.8 67.5 101.3
 85 56.0 44.9 67.3
 99 65.7 50.6 76.0



#56
 Ethyl methacrylate
 Concen: 18.639 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion: 69 Resp: 135608
 Ion Ratio Lower Upper
 69 100
 41 73.3 59.9 89.9
 39 33.9 25.7 38.5

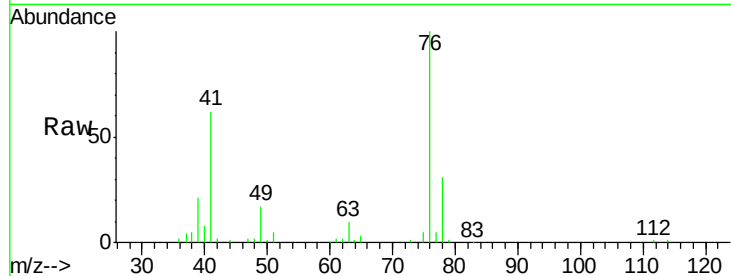




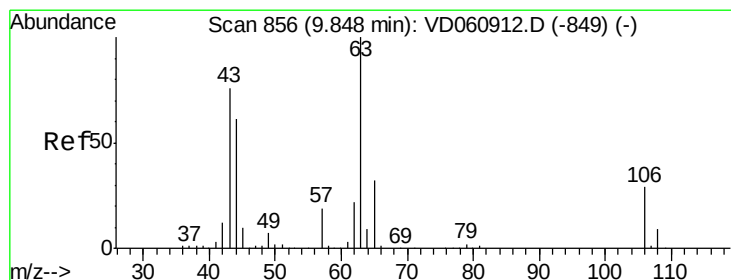
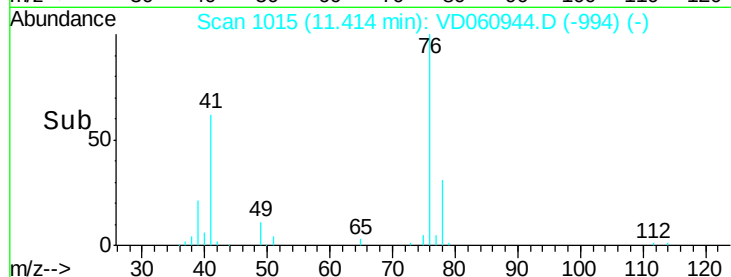
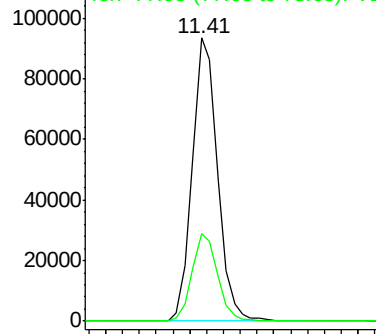
#57
 1,3-Dichloropropane
 Concen: 19.522 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBSD01

Tot Ion: 76 Resp: 194796
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.6 38.4

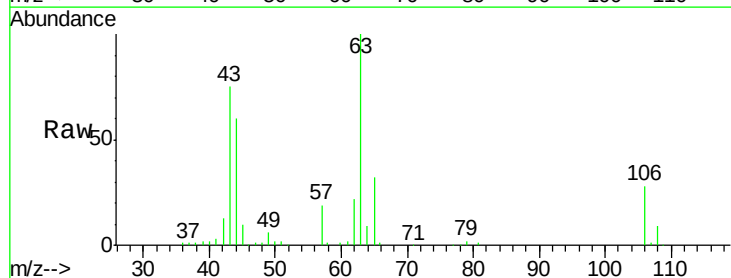


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

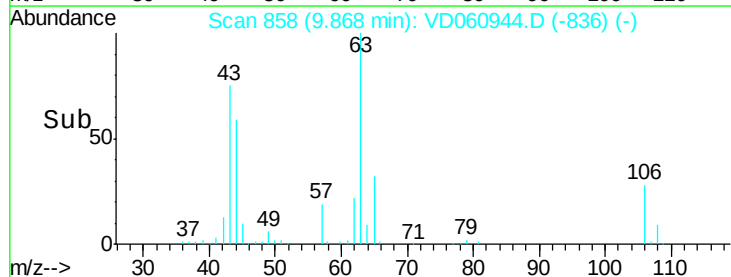
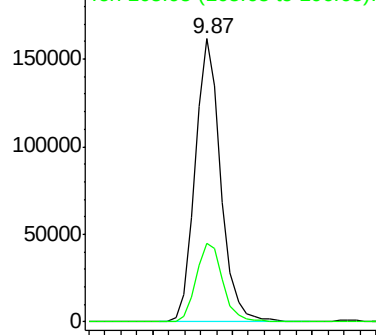


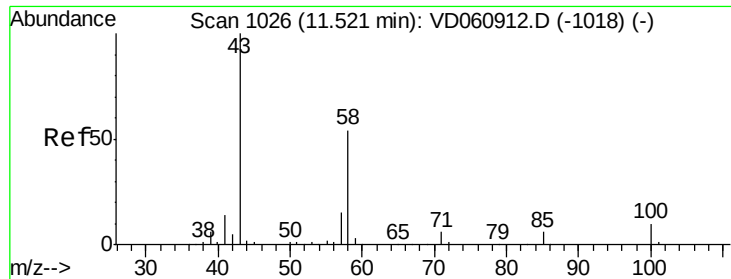
#58
 2-Chloroethyl Vinyl ether
 Concen: 94.149 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion: 63 Resp: 365835
 Ion Ratio Lower Upper
 63 100
 106 27.7 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

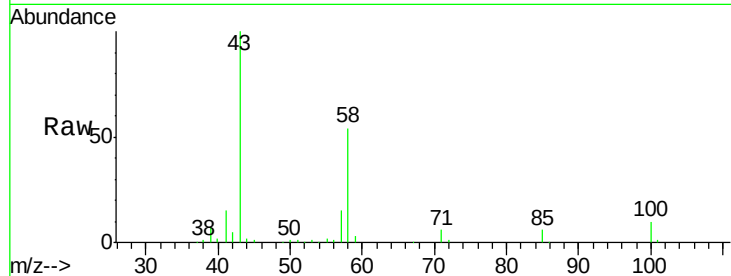




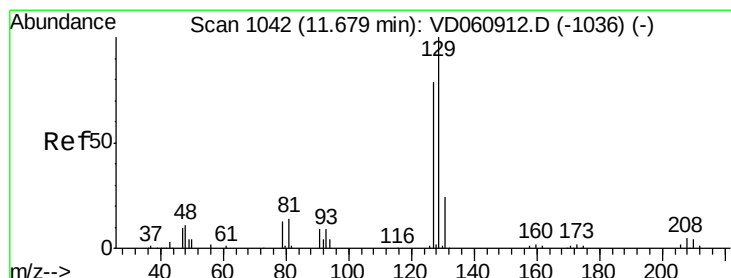
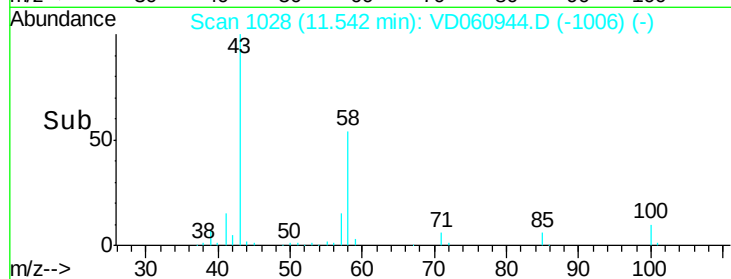
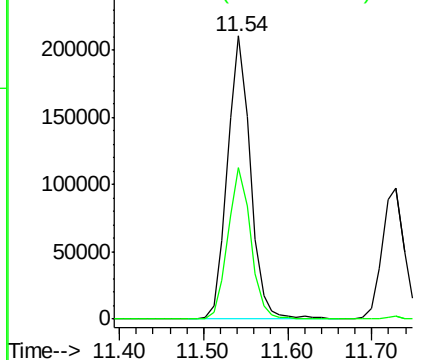
#59
2-Hexanone
Concen: 102.907 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

Tot Ion: 43 Resp: 399280
Ion Ratio Lower Upper
43 100
58 53.5 27.2 81.5

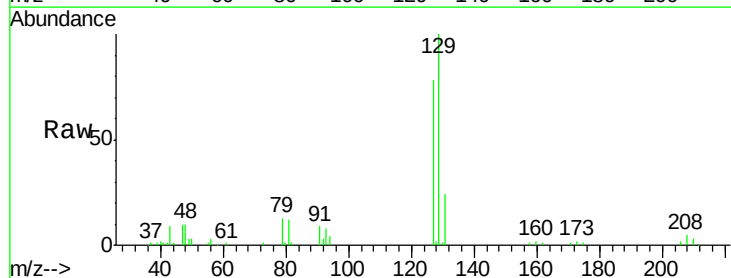


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

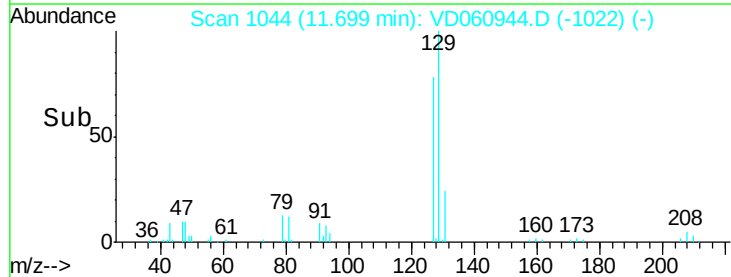
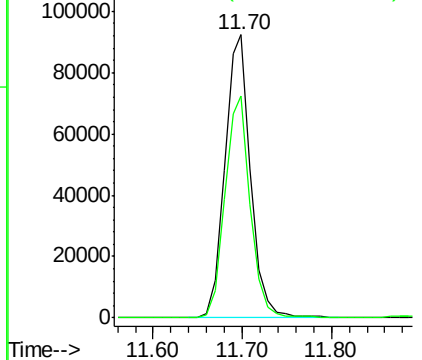


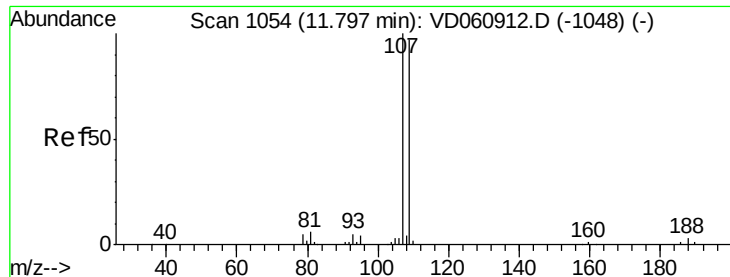
#60
Dibromochloromethane
Concen: 18.892 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 129 Resp: 186995
Ion Ratio Lower Upper
129 100
127 78.5 39.4 118.1



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

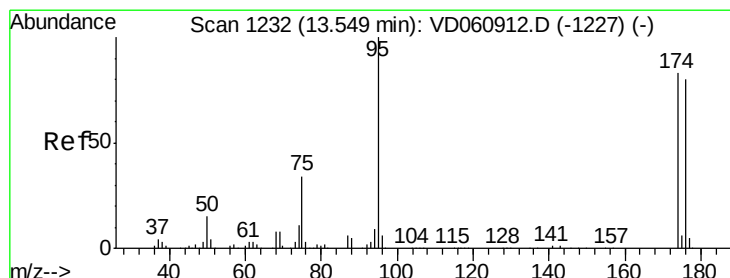
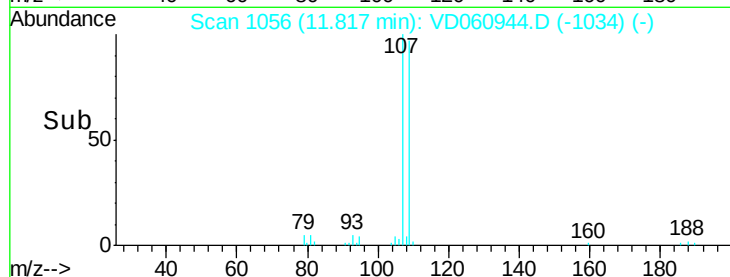
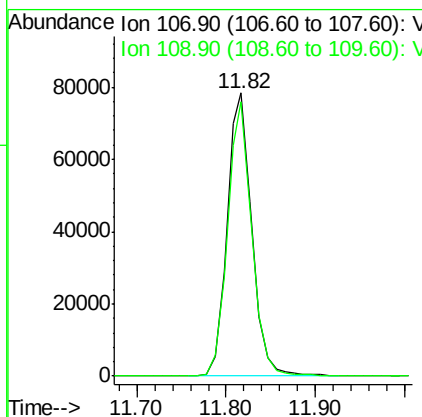
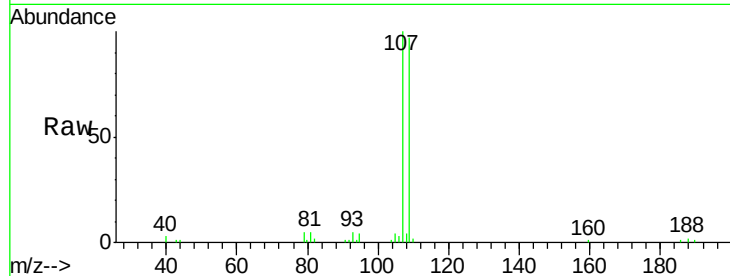




#61
 1,2-Dibromoethane
 Concen: 18.893 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

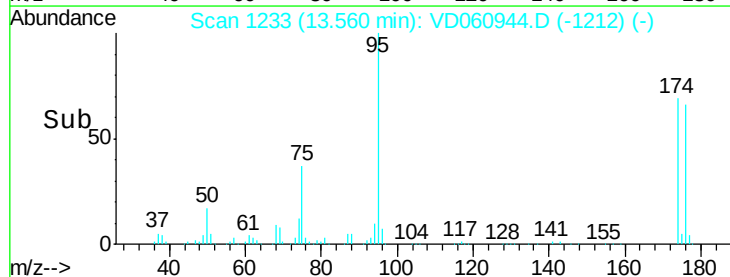
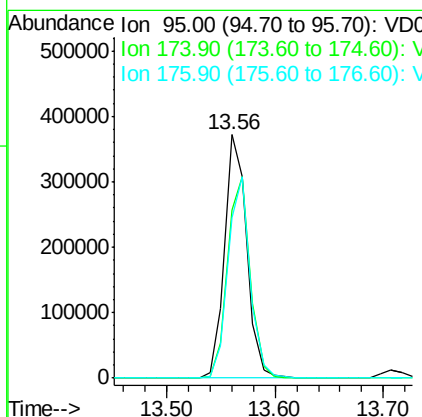
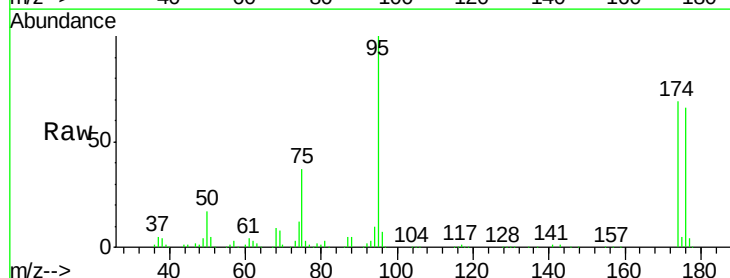
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBSD01

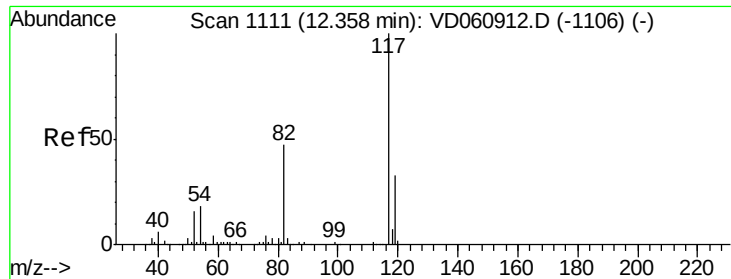
Tot Ion: 107 Resp: 152330
 Ion Ratio Lower Upper
 107 100
 109 97.1 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 18.893 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion: 95 Resp: 531463
 Ion Ratio Lower Upper
 95 100
 174 69.1 0.0 165.6
 176 65.7 0.0 160.6

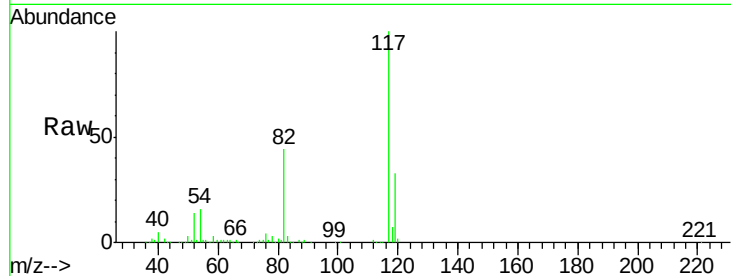




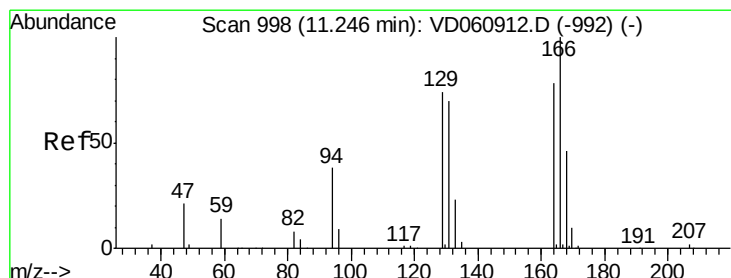
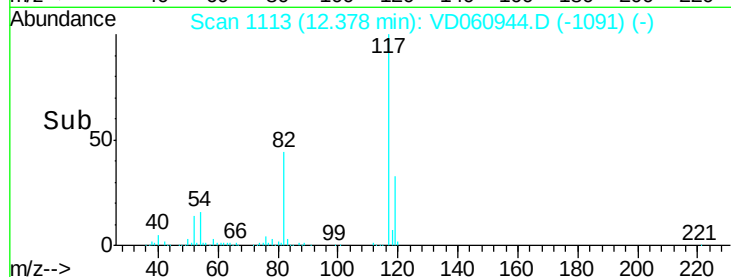
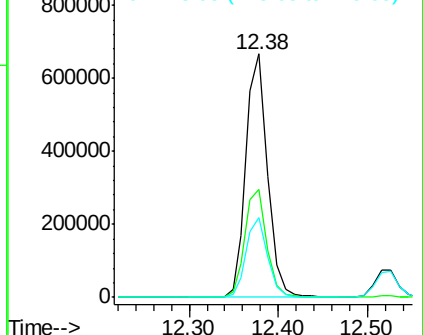
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

Tot Ion:117 Resp: 1119212
Ion Ratio Lower Upper
117 100
82 44.3 37.5 56.3
119 32.9 26.2 39.2

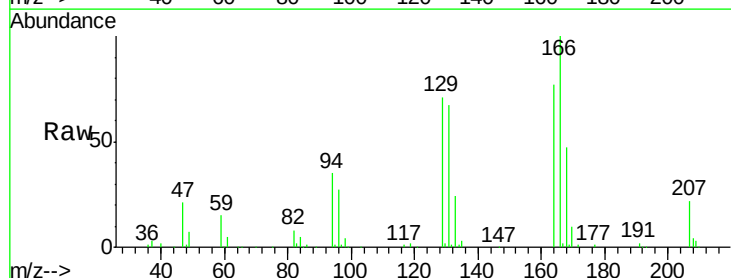


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

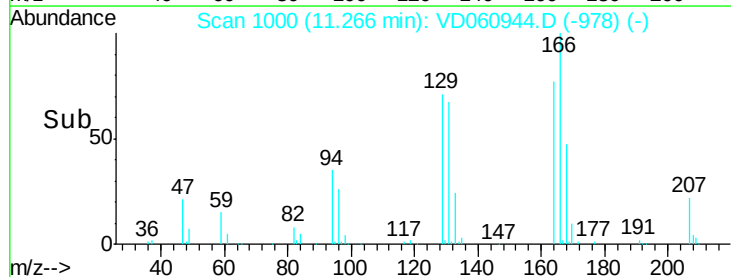
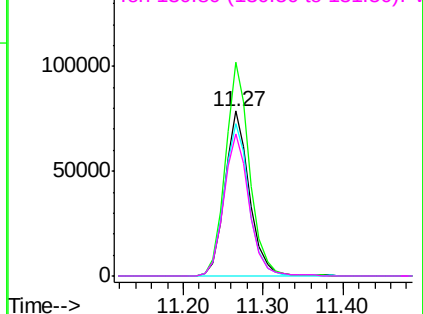


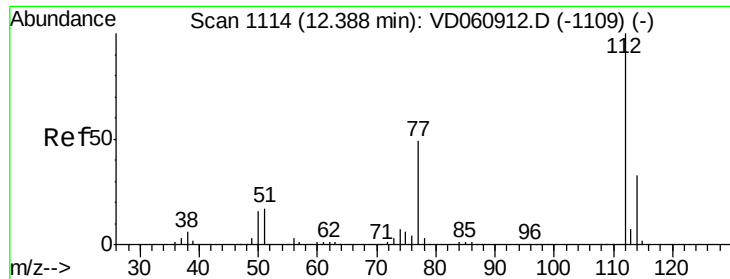
#64
Tetrachloroethene
Concen: 19.791 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion:164 Resp: 169559
Ion Ratio Lower Upper
164 100
166 129.5 102.3 153.5
129 92.2 75.6 113.4
131 86.4 72.0 108.0



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

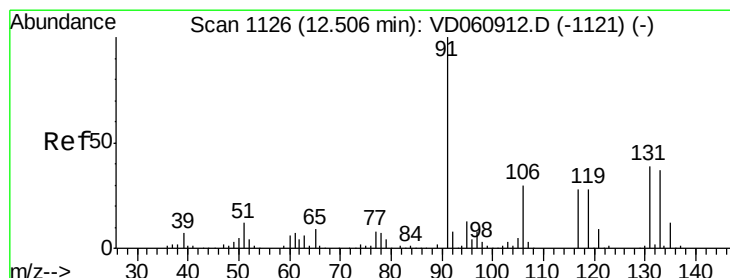
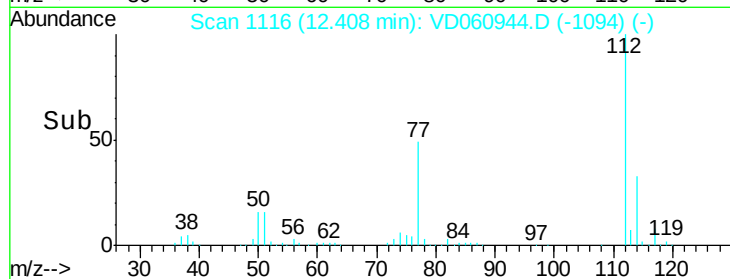
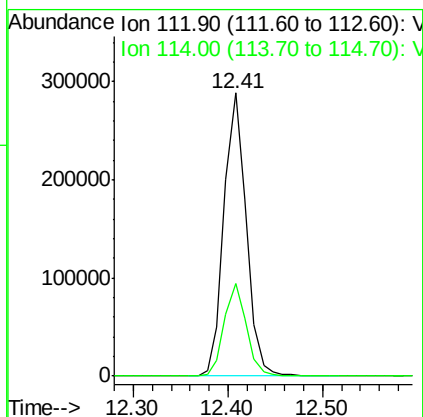
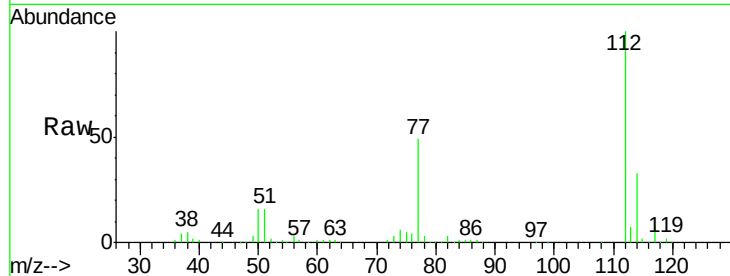




#65
Chlorobenzene
Concen: 18.955 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

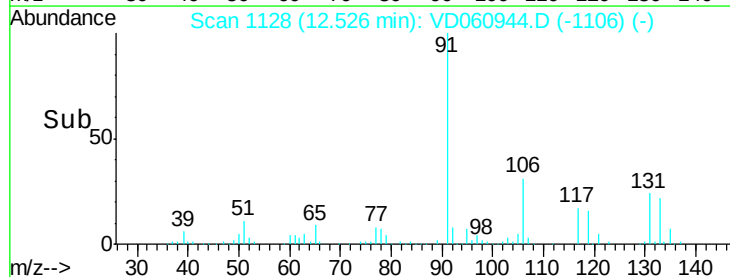
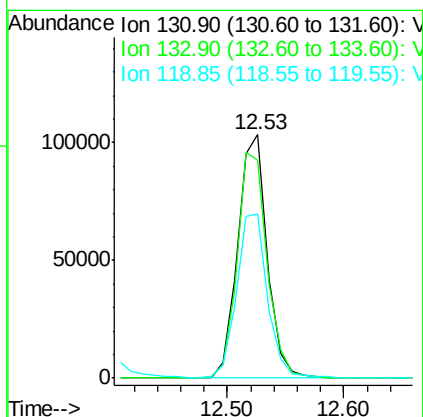
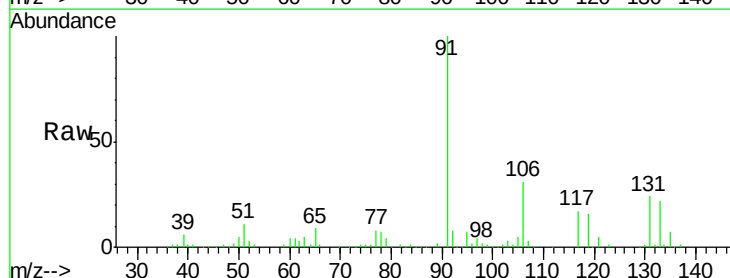
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

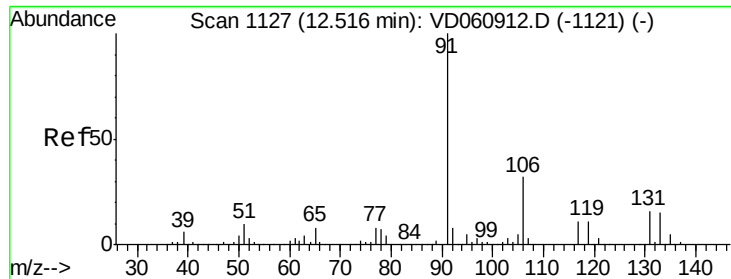
Tot Ion:112 Resp: 472315
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.148 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion:131 Resp: 180163
Ion Ratio Lower Upper
131 100
133 89.7 47.4 142.3
119 67.7 36.0 108.1

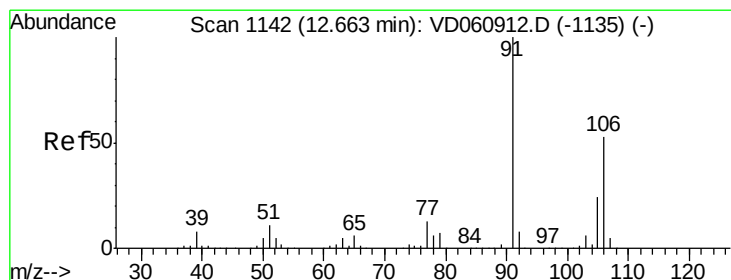
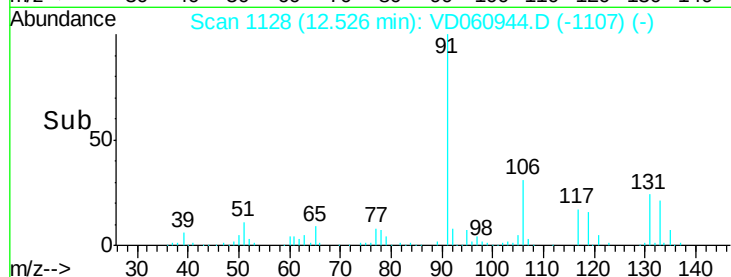
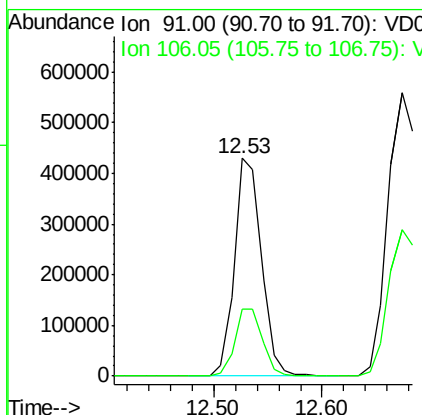
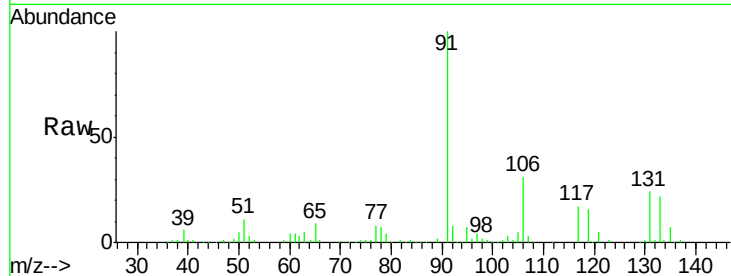




#67
Ethyl Benzene
Concen: 20.573 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

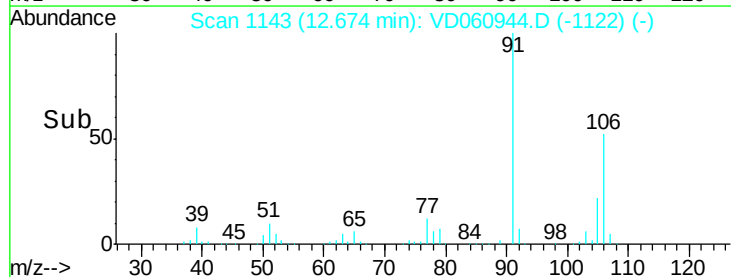
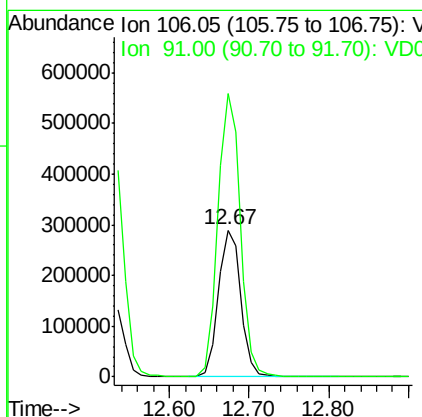
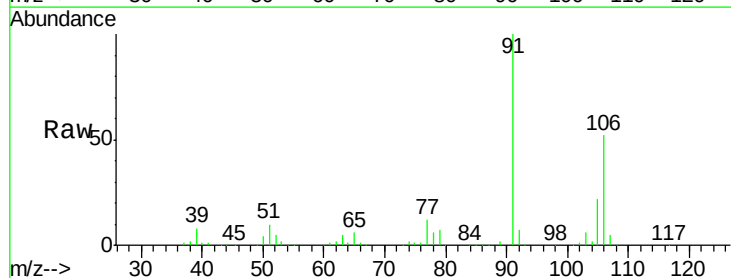
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

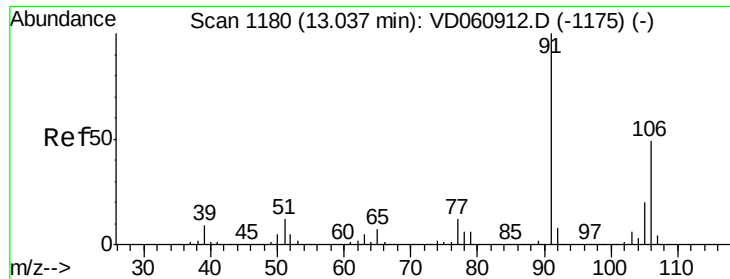
Tot Ion: 91 Resp: 746426
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.6



#68
m/p-Xylenes
Concen: 39.819 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 106 Resp: 577210
Ion Ratio Lower Upper
106 100
91 192.7 150.2 225.4

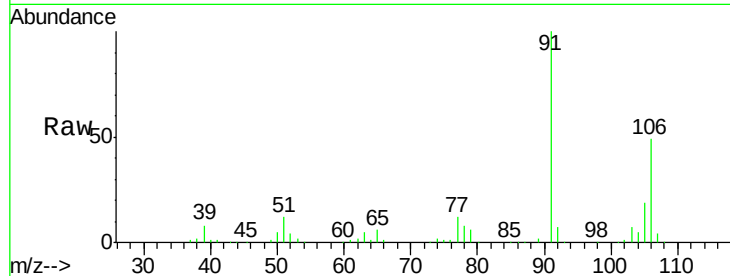




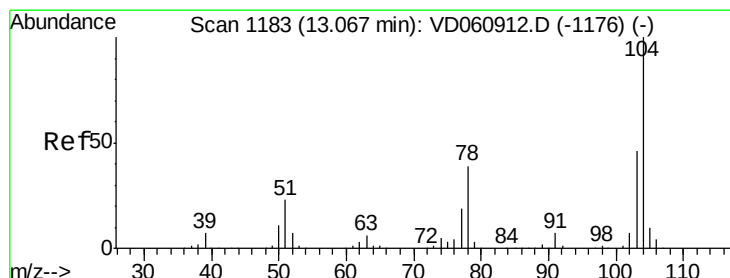
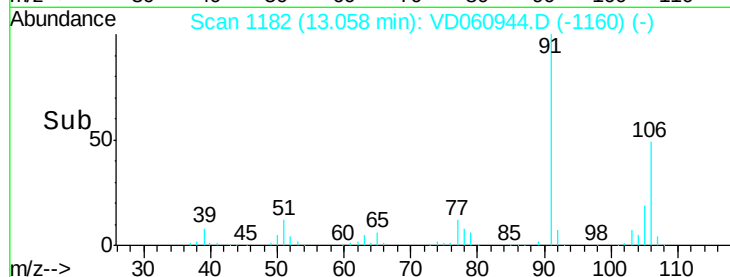
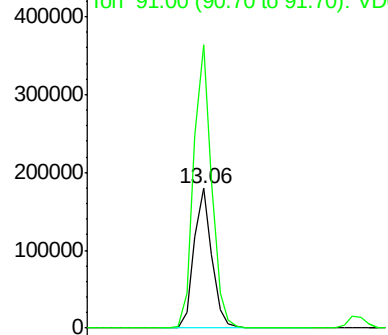
#69
o-Xylene
Concen: 19.351 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion:106 Resp: 263500
Ion Ratio Lower Upper
106 100
91 202.6 102.9 308.7

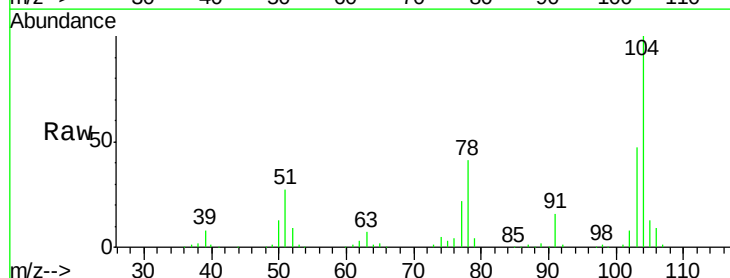


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

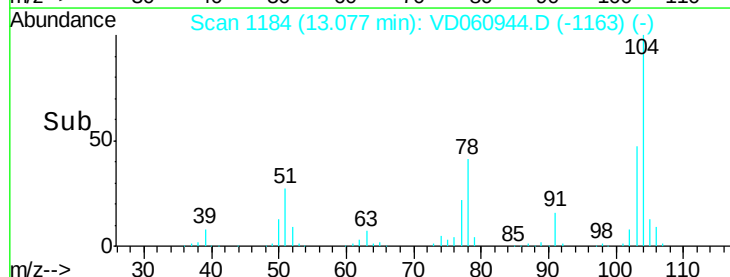
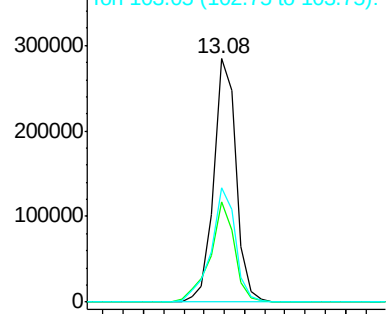


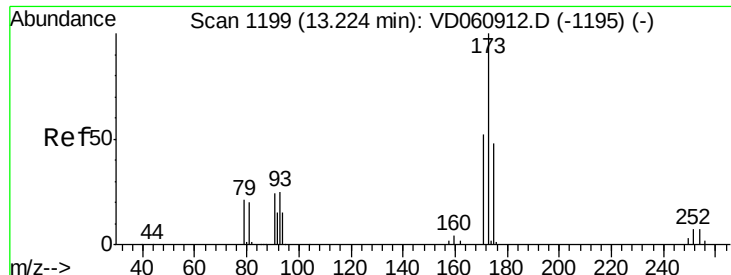
#70
Styrene
Concen: 19.322 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion:104 Resp: 438958
Ion Ratio Lower Upper
104 100
78 41.0 31.0 46.4
103 46.9 36.5 54.7



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: 18.199 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

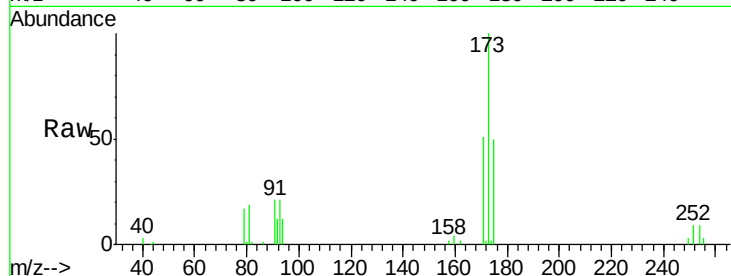
Tot Ion:173 Resp: 102999

Ion Ratio Lower Upper

173 100

175 49.7 24.1 72.3

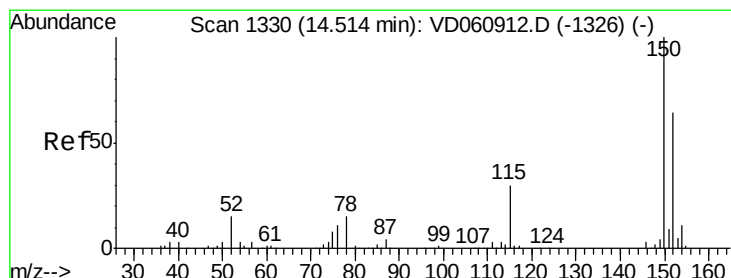
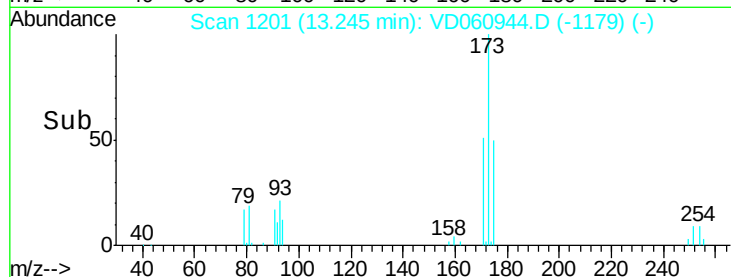
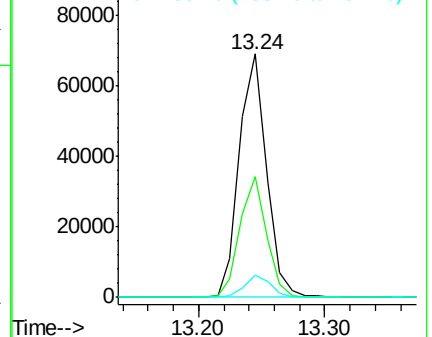
254 8.9 5.6 8.4#



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

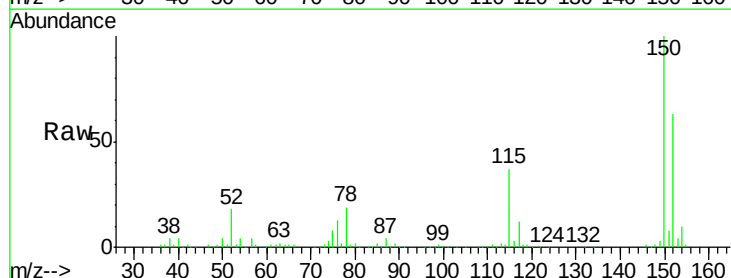
Tgt Ion:152 Resp: 460386

Ion Ratio Lower Upper

152 100

115 59.0 27.6 82.8

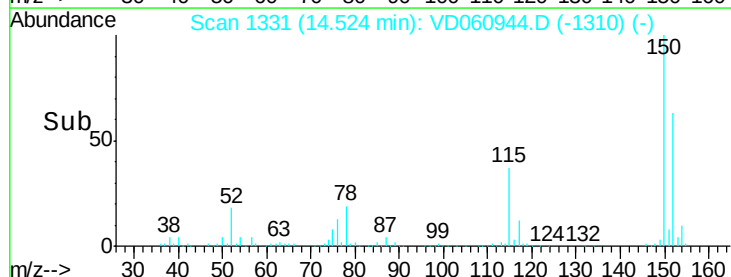
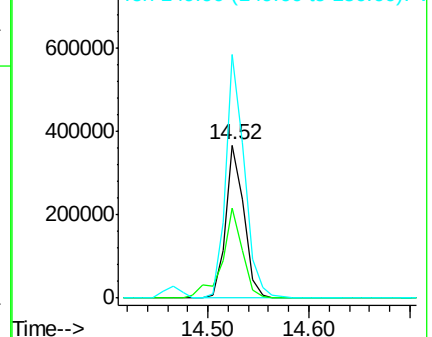
150 159.2 0.0 312.8

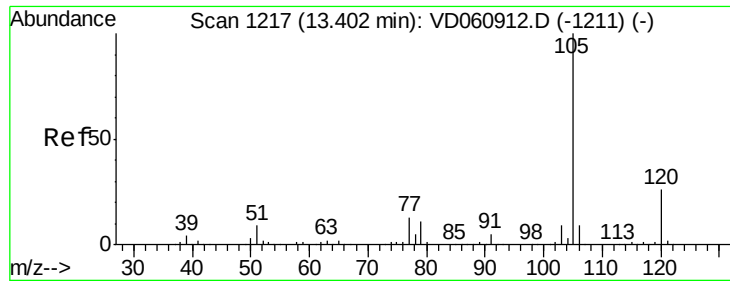


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.118 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

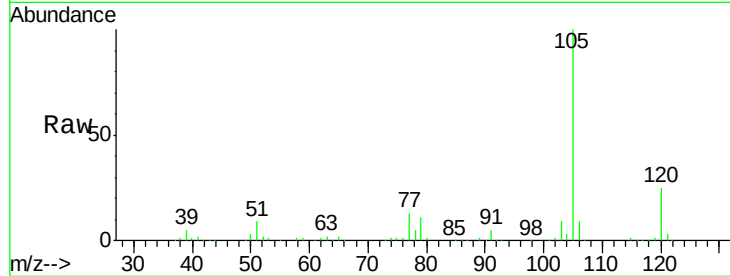
VD0305SBS01

Tot Ion:105 Resp: 715621

Ion Ratio Lower Upper

105 100

120 24.5 12.9 38.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

200000

100000

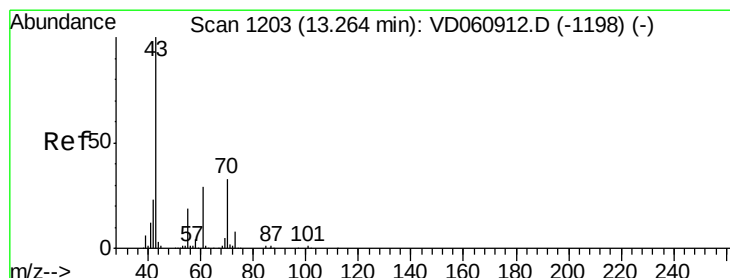
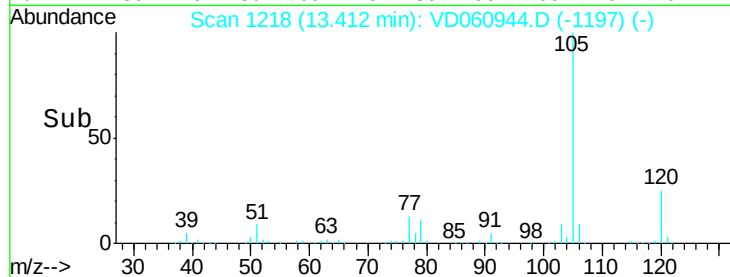
0

13.41

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 19.183 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Tgt Ion: 43 Resp: 203826

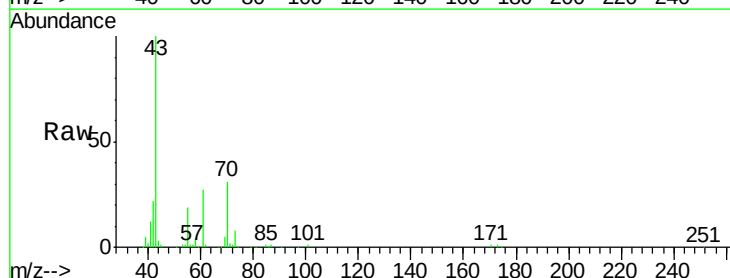
Ion Ratio Lower Upper

43 100

70 30.7 26.3 39.5

55 18.7 15.4 23.2

61 26.8 23.4 35.0



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

250000

200000

150000

100000

50000

0

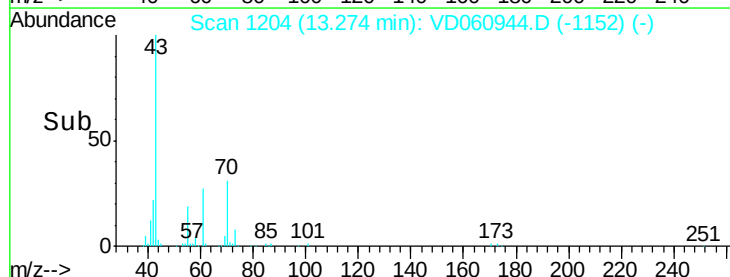
13.27

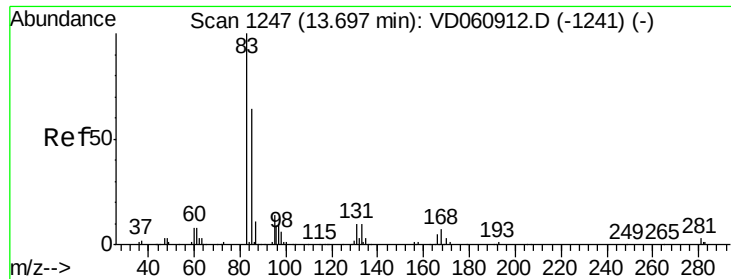
13.20

13.30

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.738 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

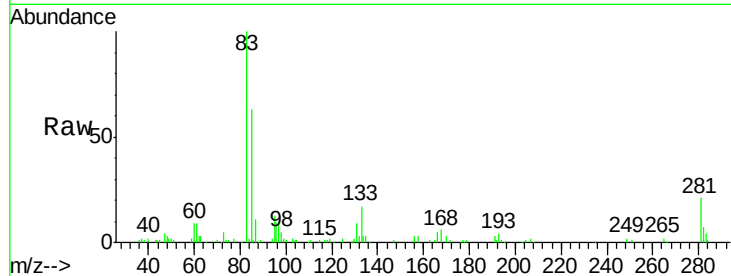
Tot Ion: 83 Resp: 138233

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.2

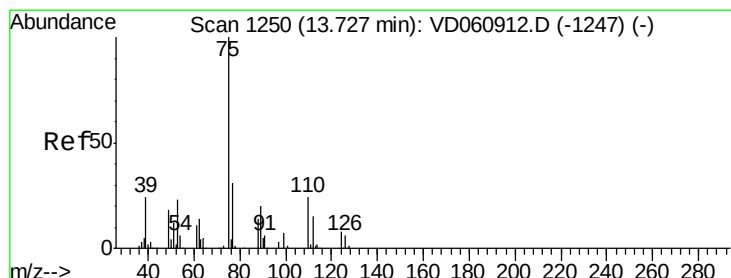
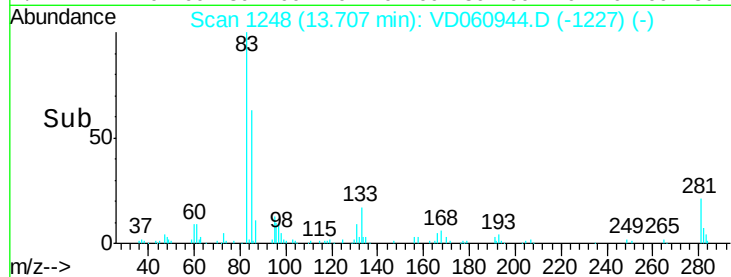
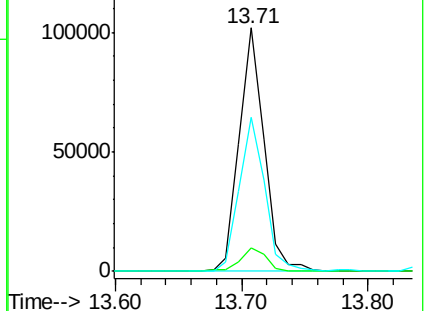
85 63.2 32.3 96.8



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: 18.844 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD060944.D

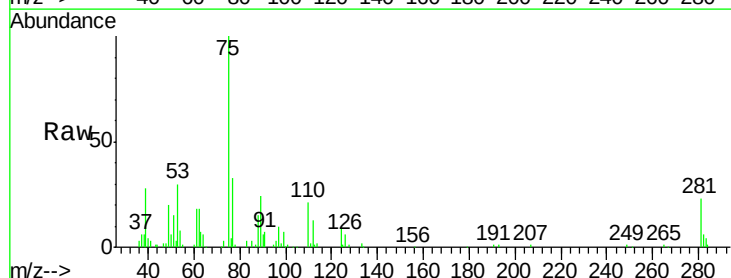
Acq: 5 Mar 2019 13:07

Tgt Ion: 75 Resp: 140571

Ion Ratio Lower Upper

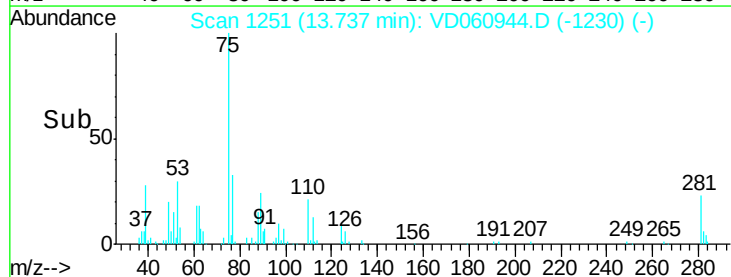
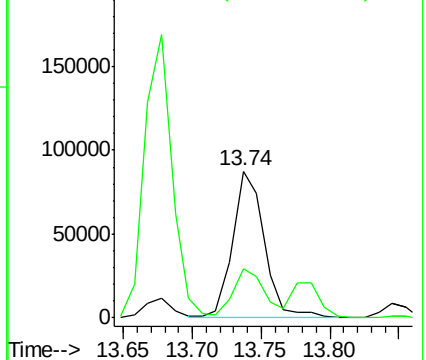
75 100

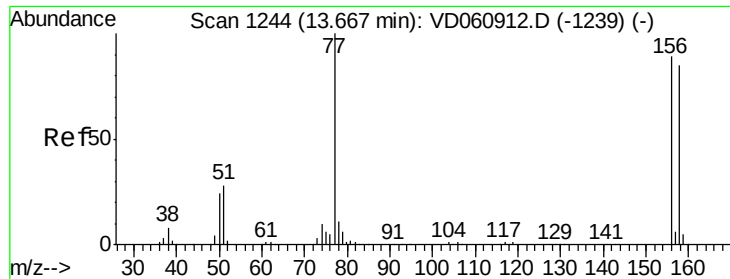
77 33.4 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.316 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

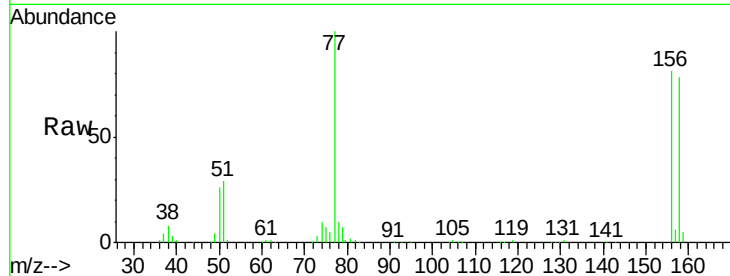
Tot Ion:156 Resp: 179594

Ion Ratio Lower Upper

156 100

77 124.2 56.4 169.2

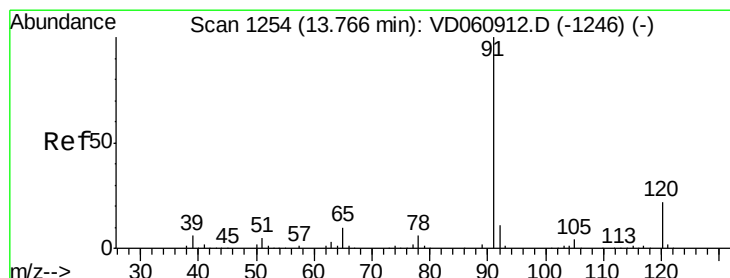
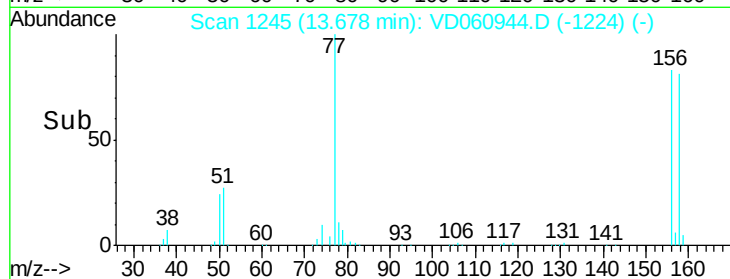
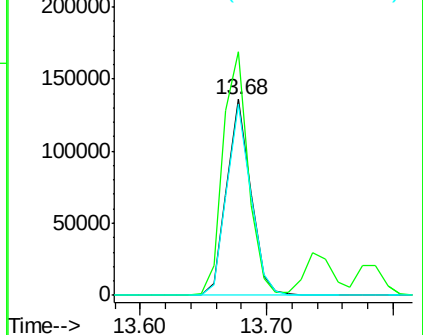
158 97.3 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.210 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD060944.D

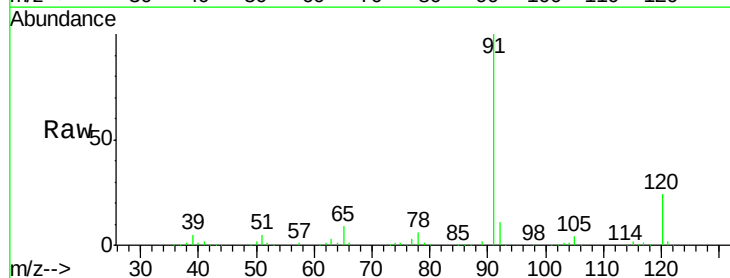
Acq: 5 Mar 2019 13:07

Tgt Ion: 91 Resp: 908934

Ion Ratio Lower Upper

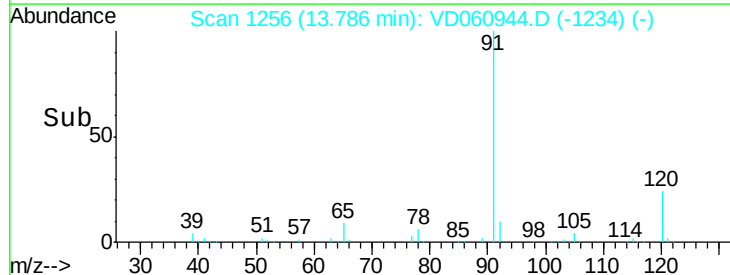
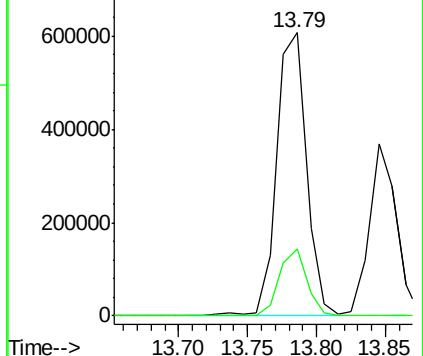
91 100

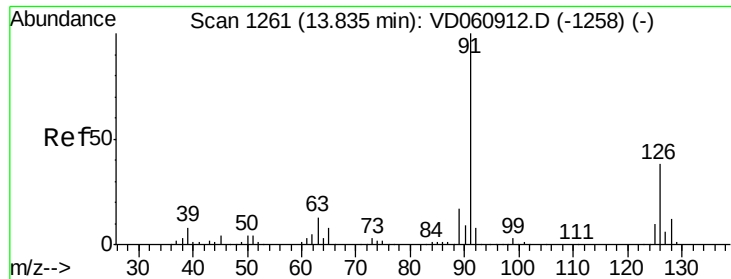
120 23.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.450 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

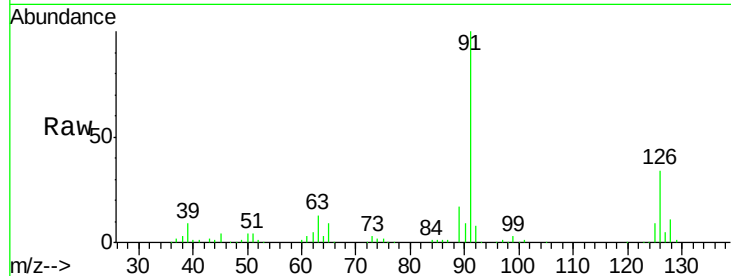
VD0305SBSD01

Tot Ion: 91 Resp: 501326

Ion Ratio Lower Upper

91 100

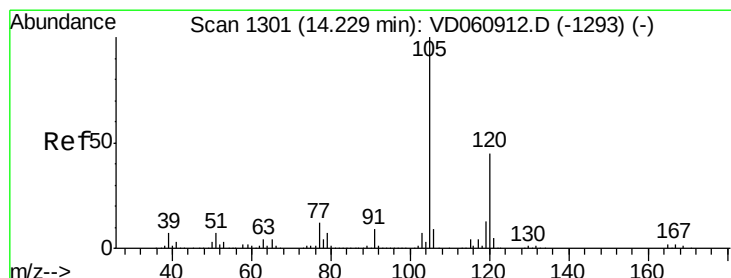
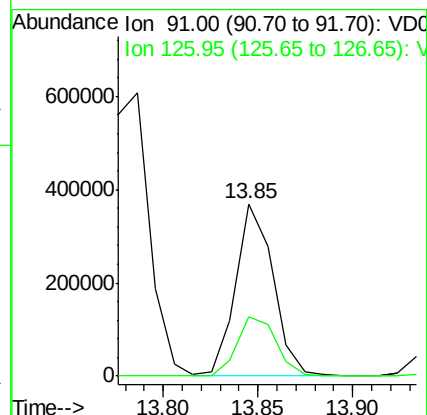
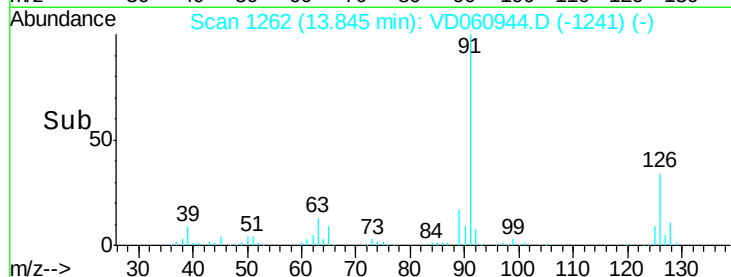
126 34.2 18.8 56.3



Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060912.D (-1258) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.517 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD060944.D

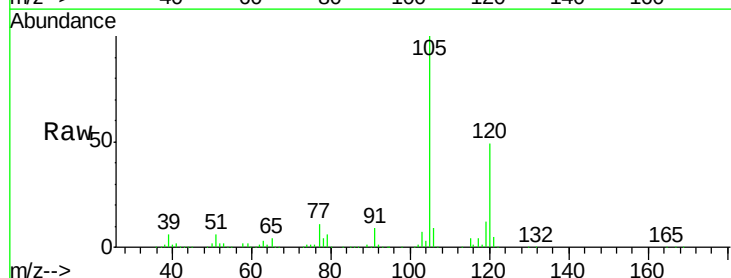
Acq: 5 Mar 2019 13:07

Tgt Ion:105 Resp: 607397

Ion Ratio Lower Upper

105 100

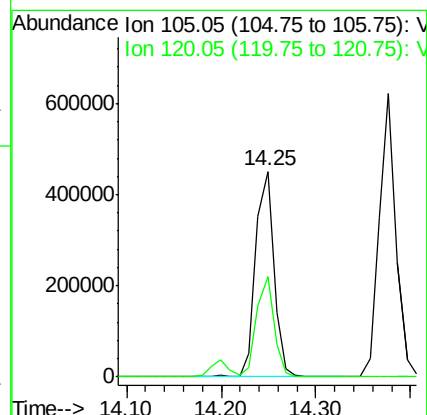
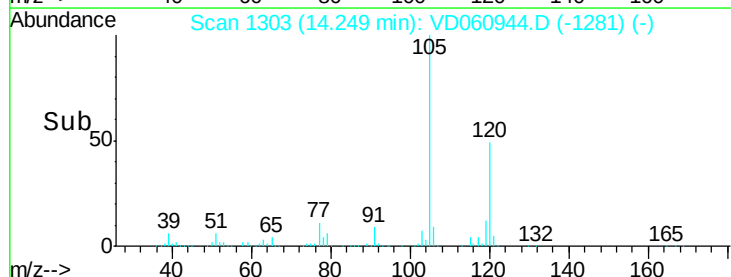
120 48.9 22.7 68.1

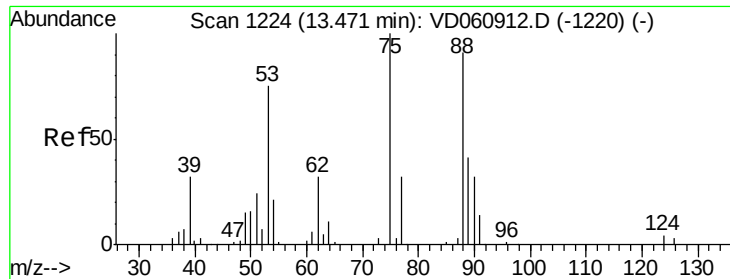


Abundance Ion 105.05 (104.75 to 105.75): VD060912.D (-1293) (-)

Ion 120.05 (119.75 to 120.75): VD060912.D (-1293) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.863 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

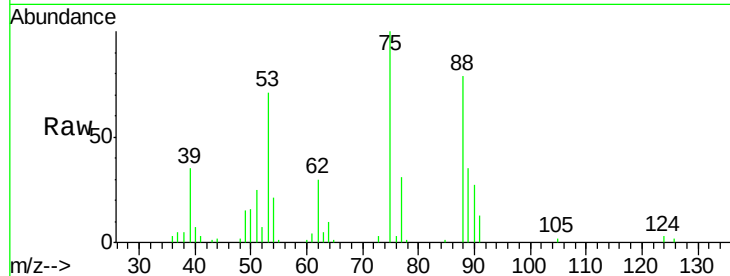
Tot Ion: 75 Resp: 48265

Ion Ratio Lower Upper

75 100

53 71.1 59.8 89.6

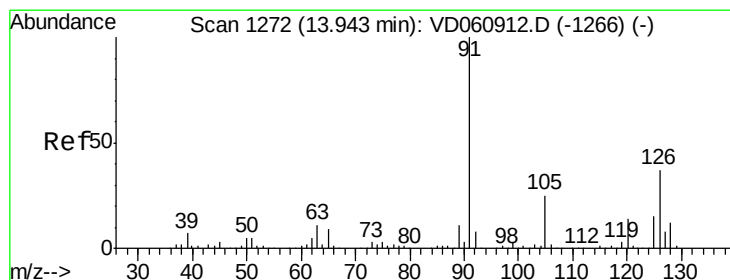
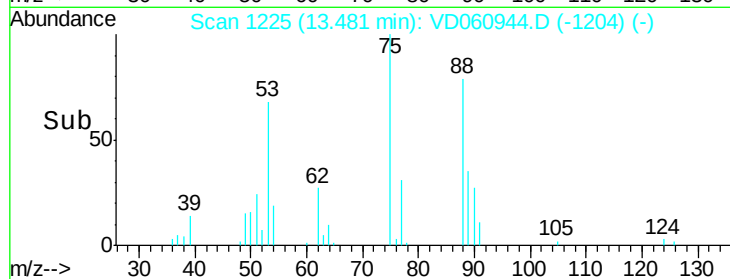
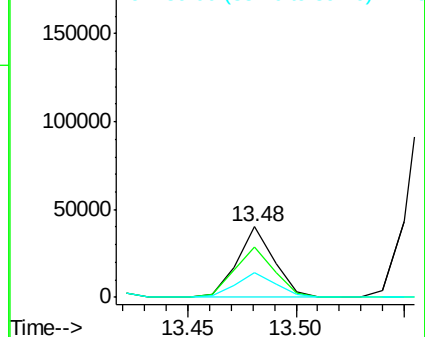
89 35.4 33.0 49.6



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: 21.150 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD060944.D

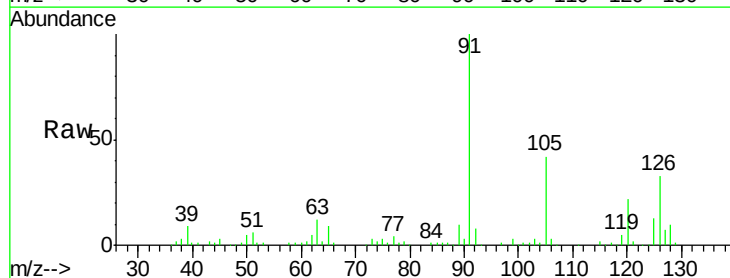
Acq: 5 Mar 2019 13:07

Tgt Ion: 91 Resp: 542186

Ion Ratio Lower Upper

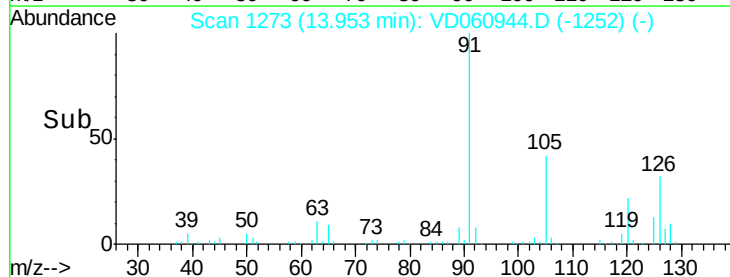
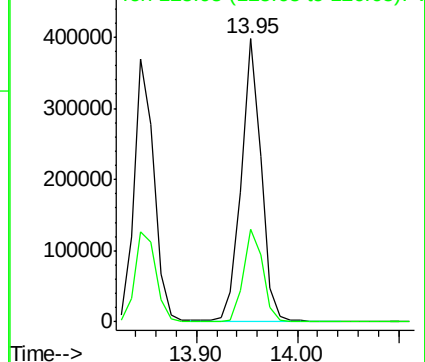
91 100

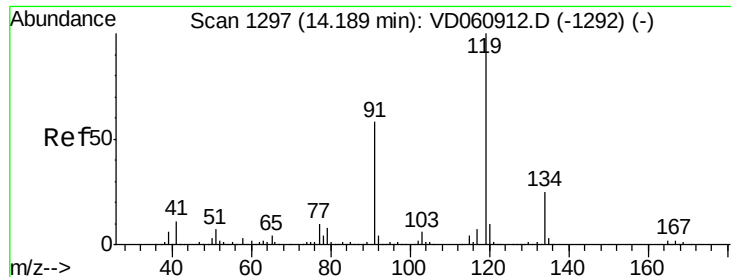
126 32.7 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 21.698 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBSD01

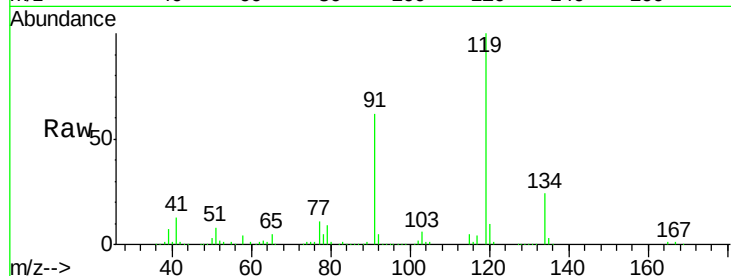
Tot Ion:119 Resp: 670142

Ion Ratio Lower Upper

119 100

91 61.6 28.8 86.5

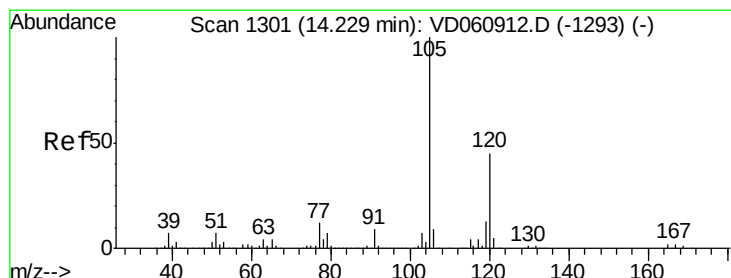
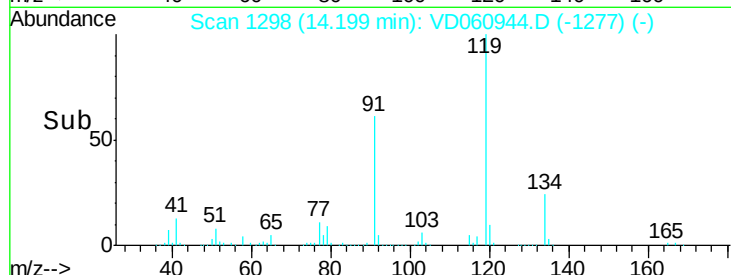
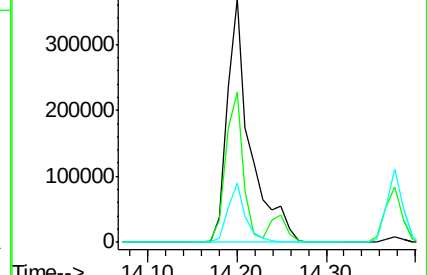
134 24.1 12.6 37.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.517 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD060944.D

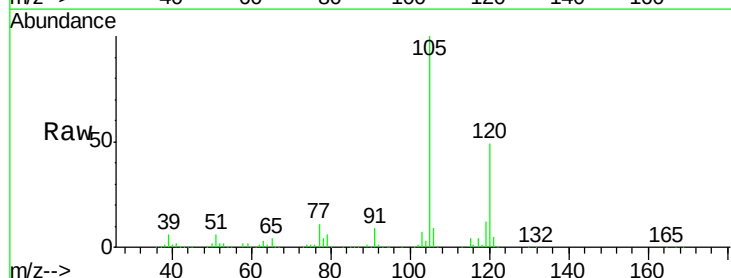
Acq: 5 Mar 2019 13:07

Tgt Ion:105 Resp: 607397

Ion Ratio Lower Upper

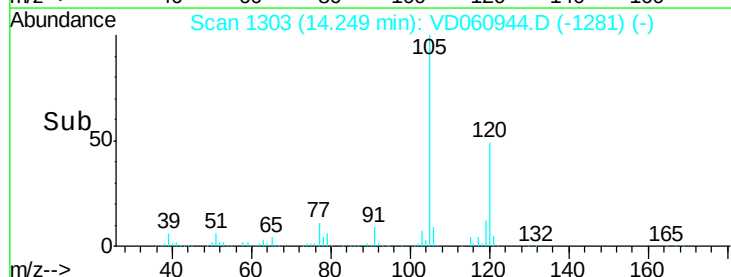
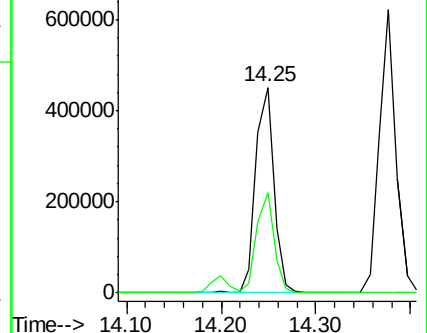
105 100

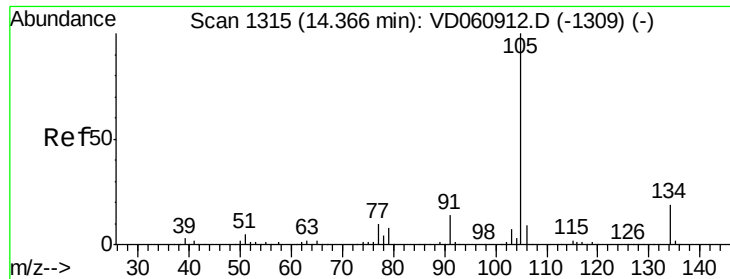
120 48.9 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.548 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

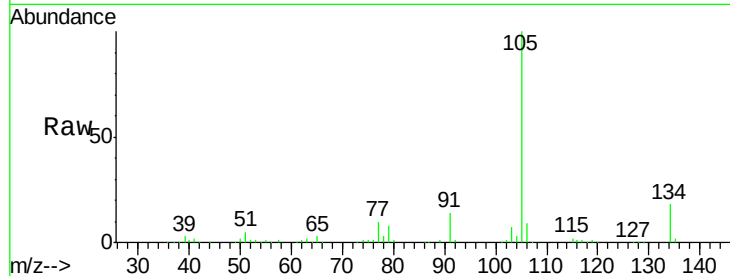
VD0305SBSD01

Tot Ion:105 Resp: 771530

Ion Ratio Lower Upper

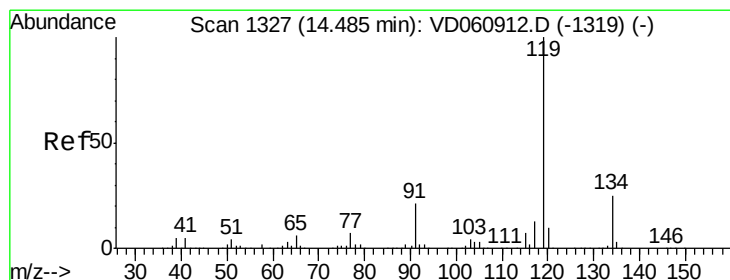
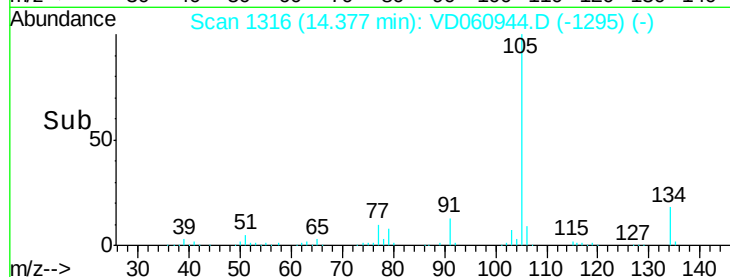
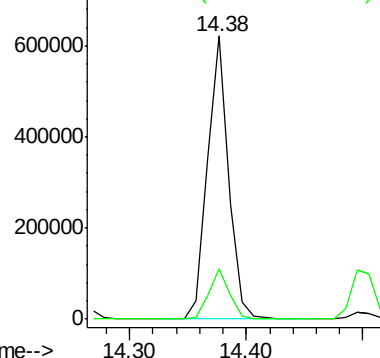
105 100

134 18.0 9.7 28.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.221 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD060944.D

Acq: 5 Mar 2019 13:07

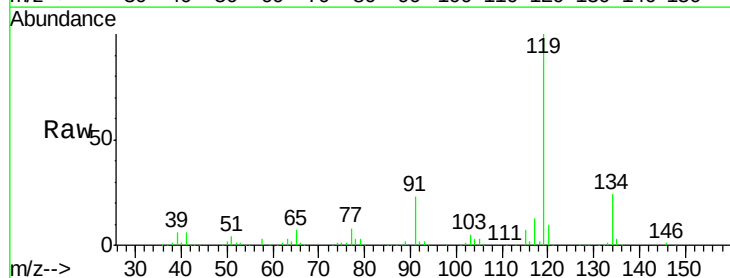
Tgt Ion:119 Resp: 618885

Ion Ratio Lower Upper

119 100

134 24.1 12.4 37.0

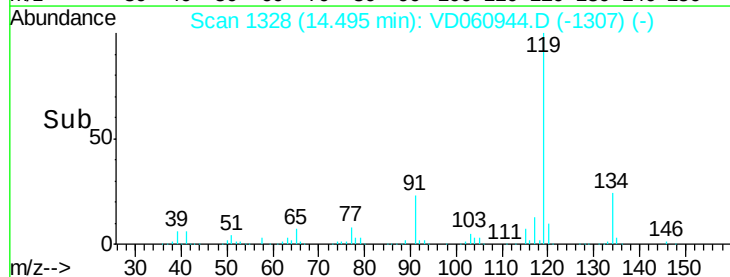
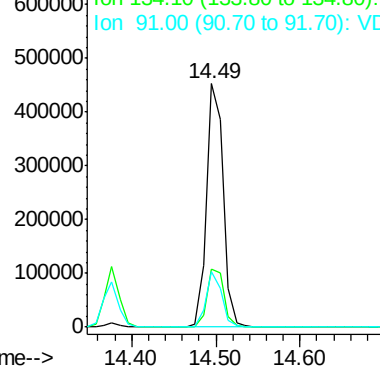
91 22.8 10.8 32.3

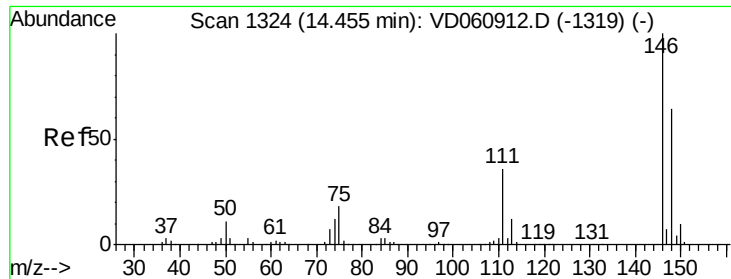


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

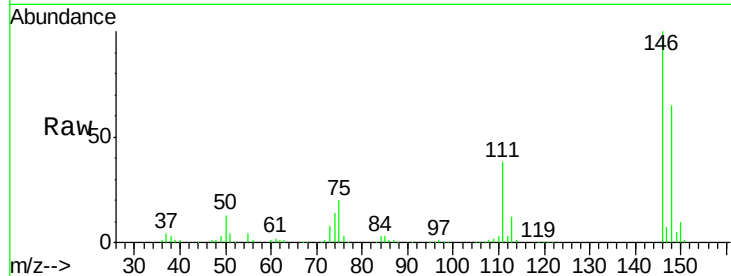




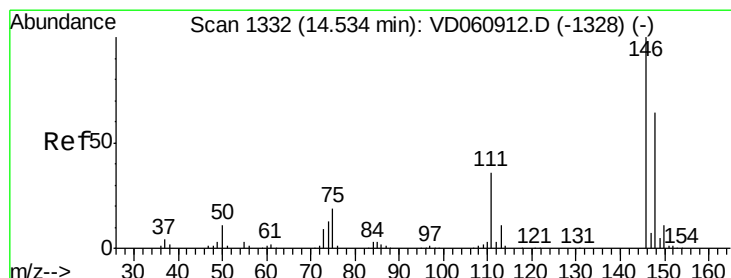
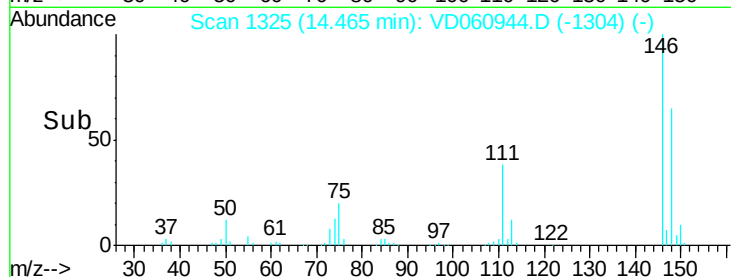
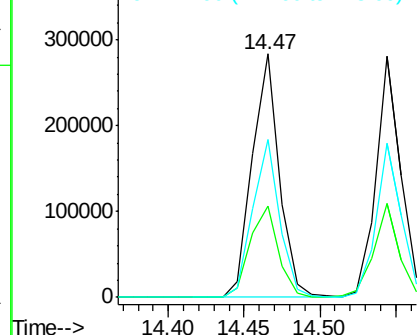
#87
 1,3-Dichlorobenzene
 Concen: 22.365 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBSD01

Tot Ion:146 Resp: 353277
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.1 54.1
 148 64.9 32.1 96.3

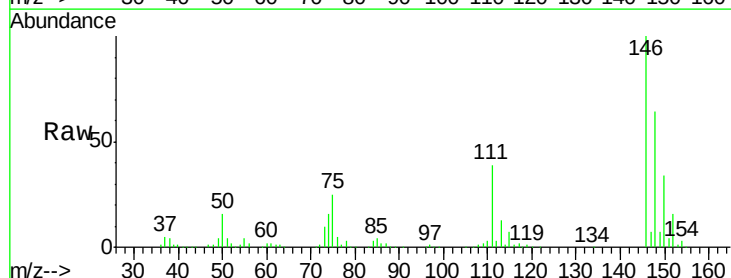


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

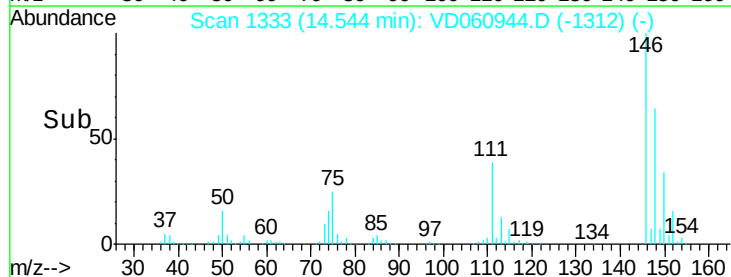
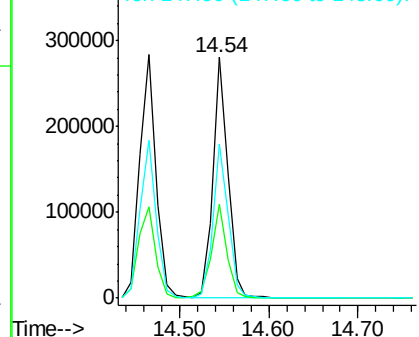


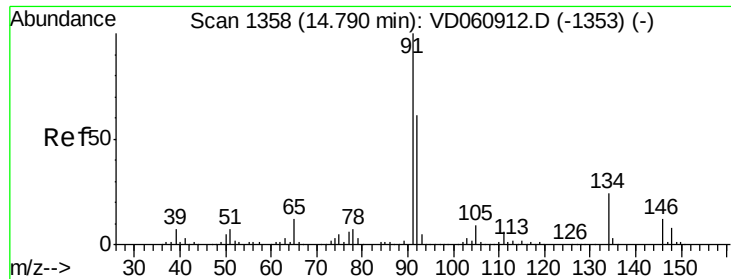
#88
 1,4-Dichlorobenzene
 Concen: 20.718 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion:146 Resp: 324995
 Ion Ratio Lower Upper
 146 100
 111 39.2 17.9 53.8
 148 63.8 32.0 96.0



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

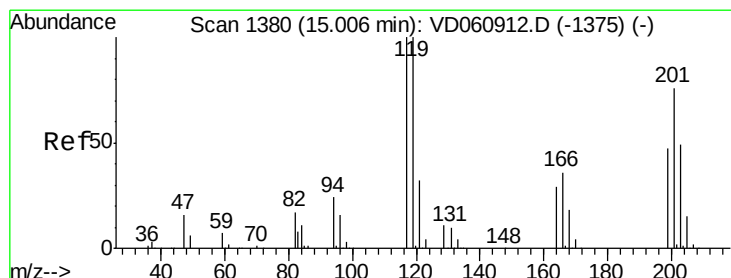
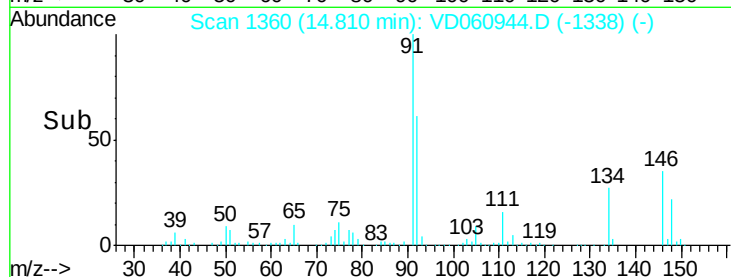
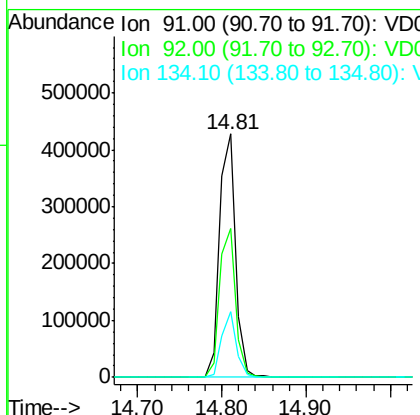
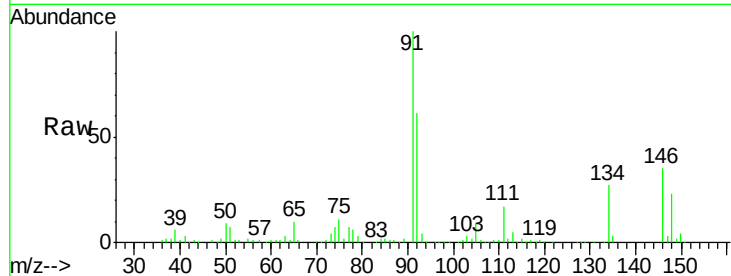




#89
n-Butylbenzene
Concen: 19.565 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

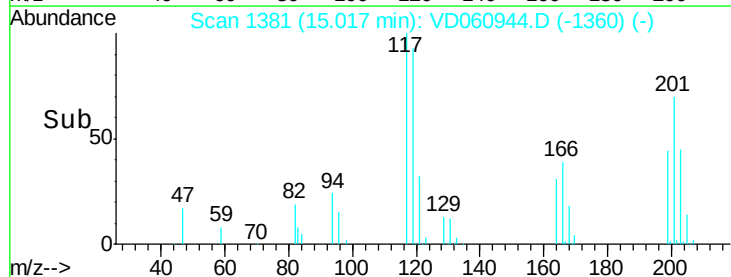
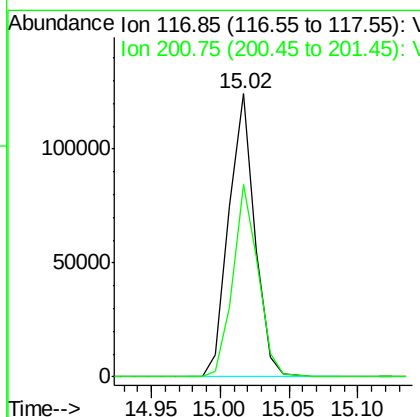
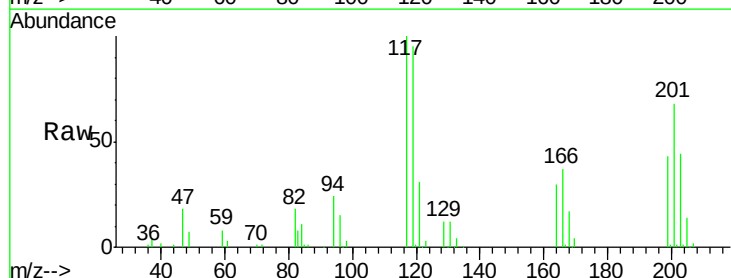
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

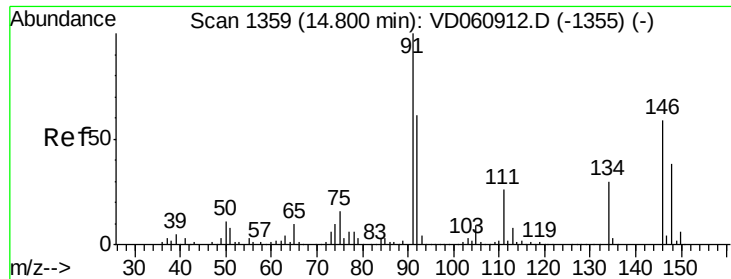
Tot Ion: 91 Resp: 566734
Ion Ratio Lower Upper
91 100
92 61.3 30.6 91.6
134 27.1 12.0 36.0



#90
Hexachloroethane
Concen: 19.357 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion: 117 Resp: 162802
Ion Ratio Lower Upper
117 100
201 68.1 37.8 113.4

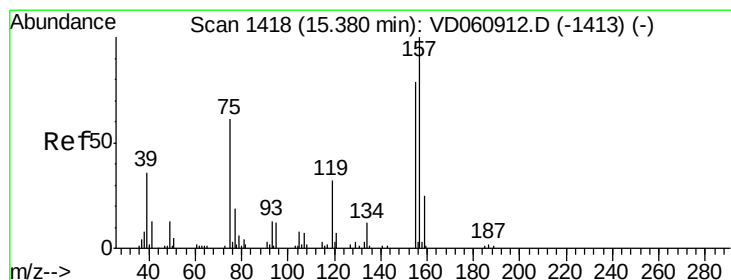
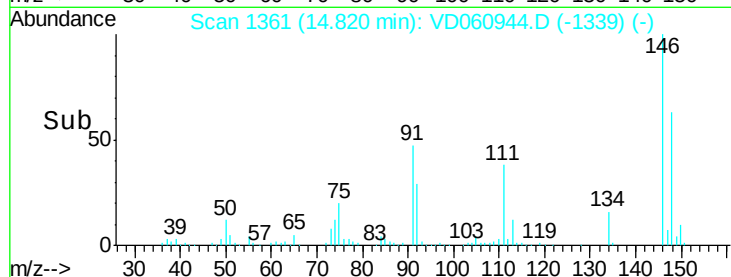
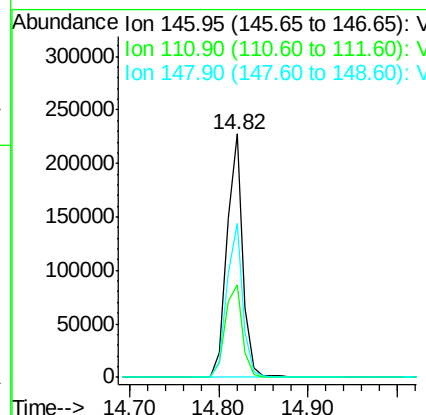
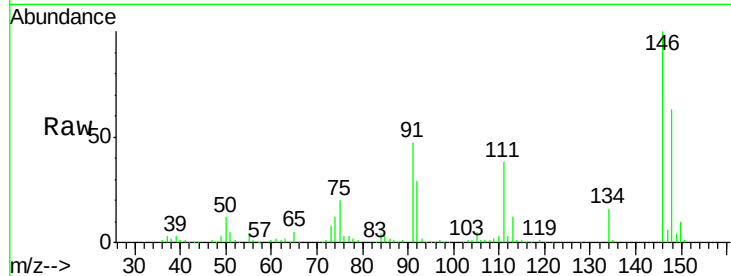




#91
 1,2-Dichlorobenzene
 Concen: 20.777 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

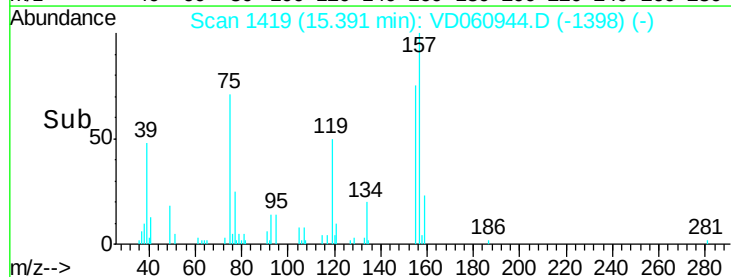
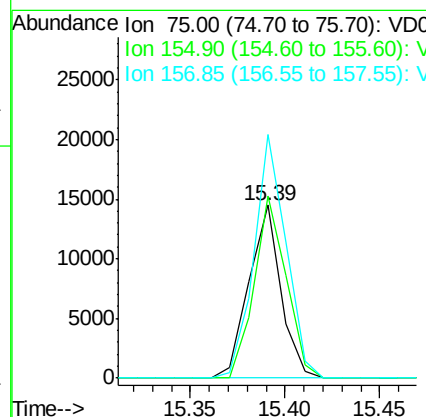
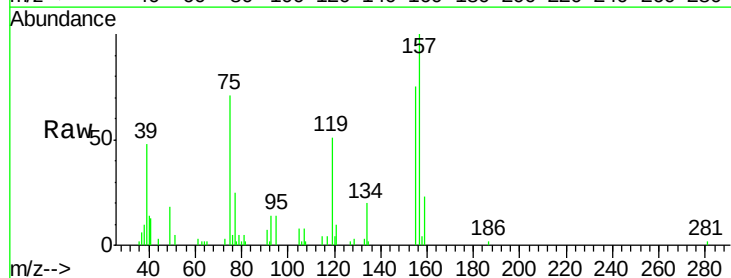
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBSD01

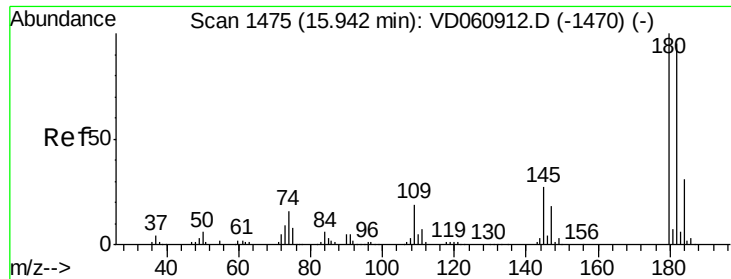
Tot Ion:146 Resp: 284343
 Ion Ratio Lower Upper
 146 100
 111 38.2 22.1 66.3
 148 63.3 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.514 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion: 75 Resp: 16845
 Ion Ratio Lower Upper
 75 100
 155 105.6 65.0 195.0
 157 141.0 81.8 245.3

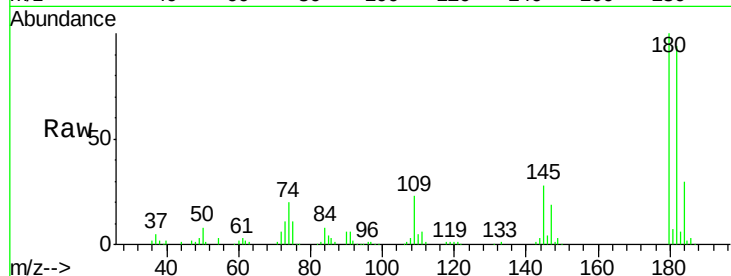




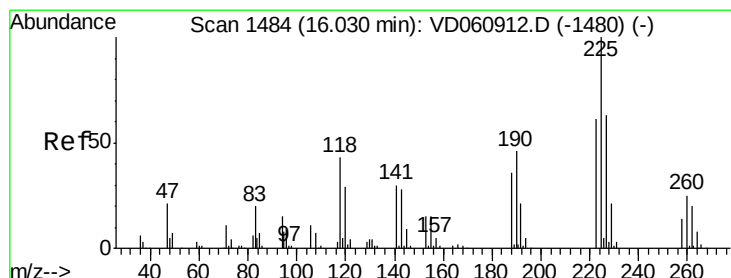
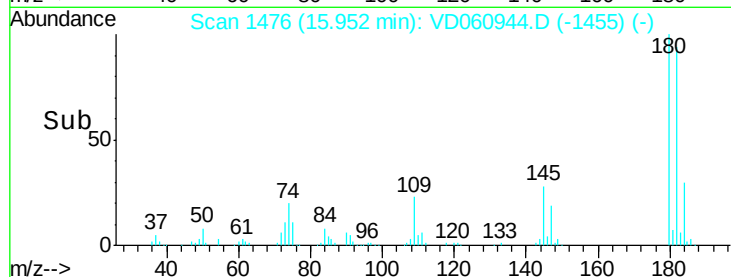
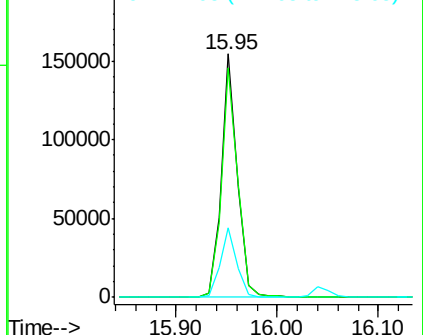
#93
 1,2,4-Trichlorobenzene
 Concen: 21.580 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion:180 Resp: 171489
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.5 142.6
 145 28.3 13.5 40.5

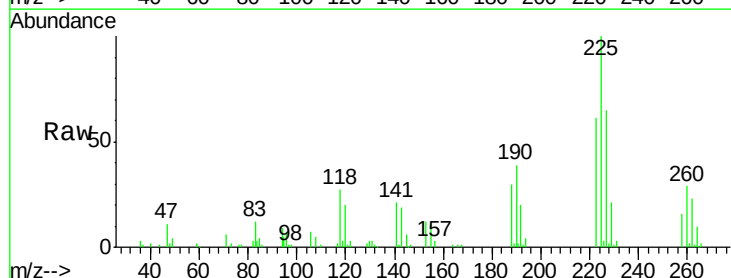


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

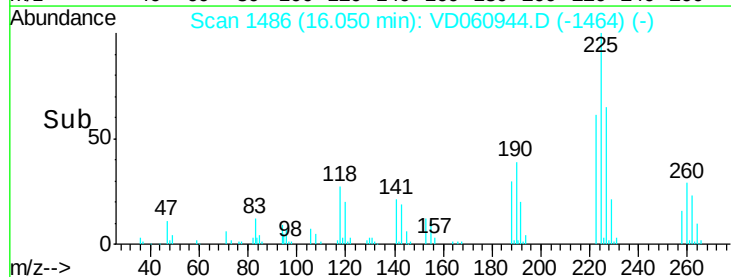
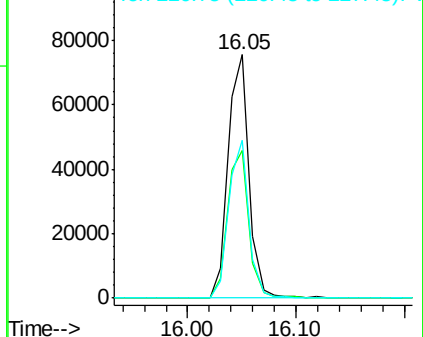


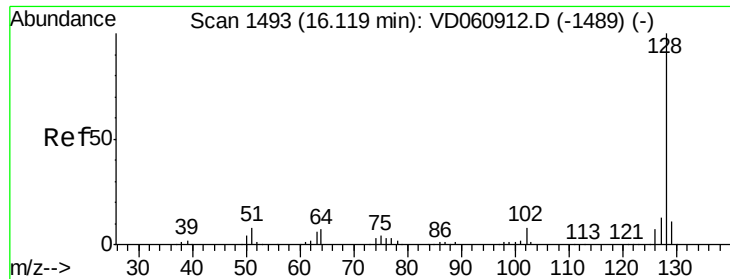
#94
 Hexachlorobutadiene
 Concen: 19.889 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD060944.D
 Acq: 5 Mar 2019 13:07

Tgt Ion:225 Resp: 101444
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.4 91.3
 227 65.1 31.4 94.2



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

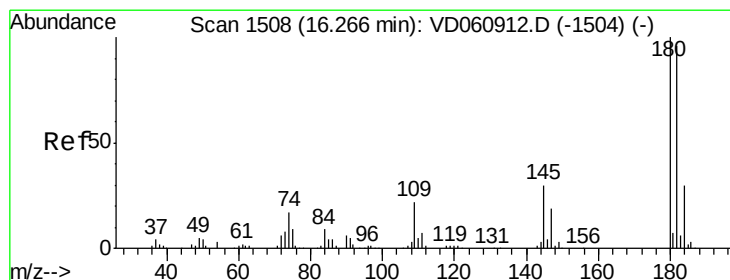
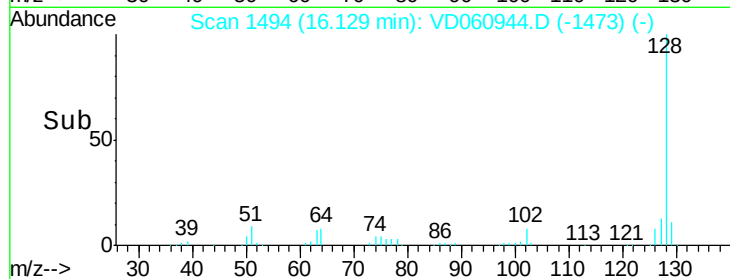
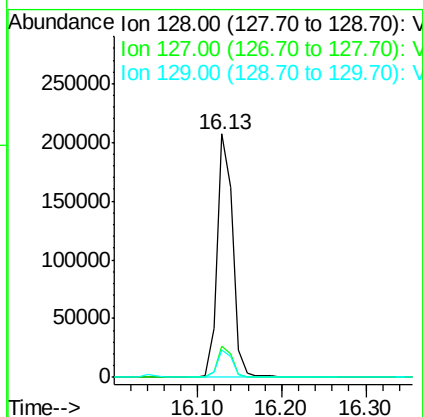
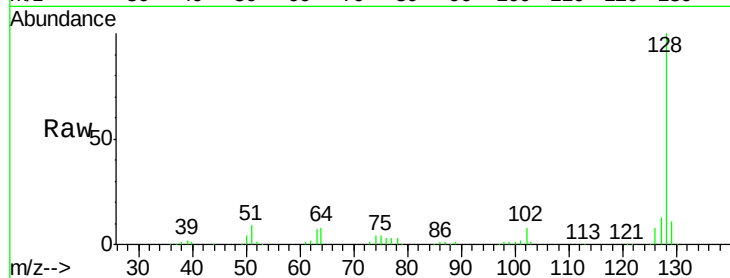




#95
Naphthalene
Concen: 21.337 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

Tot Ion:128 Resp: 264047
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.537 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD060944.D
Acq: 5 Mar 2019 13:07

Tgt Ion:180 Resp: 87190
Ion Ratio Lower Upper
180 100
182 95.6 48.1 144.4
145 32.2 14.8 44.4

