

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060920.D
 Acq On : 4 Mar 2019 13:41
 Operator : VA/AP
 Sample : VD0304SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Quant Time: Mar 05 01:31:13 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	7.08	168	797168	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	1363407	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	1078334	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	473071	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	353898	53.70	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	6.95	113	538686	49.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.43	98	1388413	51.05	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	13.56	95	530440	51.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.59	85	180734	20.461	ug/l	97
3) Chloromethane	1.78	50	153712	20.970	ug/l	99
4) Vinyl Chloride	1.87	62	131352	19.835	ug/l	100
5) Bromomethane	2.16	94	18405	15.734	ug/l	92
6) Chloroethane	2.28	64	25461	15.958	ug/l	97
7) Trichlorofluoromethane	2.55	101	151384	19.045	ug/l	98
8) Diethyl Ether	2.89	74	64388	18.365	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.18	101	211744	19.640	ug/l	98
10) Methyl Iodide	3.33	142	256924	19.725	ug/l	97
11) Tert butyl alcohol	4.10	59	48784	99.322	ug/l	99
12) 1,1-Dichloroethene	3.15	96	180580	19.746	ug/l	96
13) Acrolein	3.06	56	67626	99.424	ug/l	100
14) Allyl chloride	3.65	41	282697	18.952	ug/l	98
15) Acrylonitrile	4.23	53	170383	90.597	ug/l	97
16) Acetone	3.25	43	209289	95.116	ug/l	99
17) Carbon Disulfide	3.40	76	606217	18.700	ug/l	100
18) Methyl Acetate	3.67	43	78469	17.417	ug/l	98
19) Methyl tert-butyl Ether	4.27	73	312711	19.440	ug/l	98
20) Methylene Chloride	3.85	84	220177	18.818	ug/l	94
21) trans-1,2-Dichloroethene	4.25	96	190923	19.177	ug/l	98
22) Diisopropyl ether	5.16	45	609586	19.246	ug/l	98
23) Vinyl Acetate	5.09	43	1557748	93.654	ug/l	99
24) 1,1-Dichloroethane	5.02	63	317425	18.791	ug/l	100
25) 2-Butanone	6.10	43	258580	94.733	ug/l	100
26) 2,2-Dichloropropane	6.05	77	249118	19.852	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	220931	19.571	ug/l	99
28) Bromochloromethane	6.47	49	122014	17.196	ug/l #	99
29) Tetrahydrofuran	6.49	42	138927	98.881	ug/l	100
30) Chloroform	6.69	83	324889	19.830	ug/l	98
31) Cyclohexane	6.99	56	294989	20.276	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	272222	19.404	ug/l	99
36) 1,1-Dichloropropene	7.17	75	249828	19.930	ug/l	98
37) Ethyl Acetate	6.21	43	119553	18.552	ug/l	99
38) Carbon Tetrachloride	7.14	117	259493	19.268	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	280917	20.501	ug/l	99
40) Benzene	7.48	78	691257	21.653	ug/l	97
41) Methacrylonitrile	6.48	41	145982	36.261	ug/l	95
42) 1,2-Dichloroethane	7.61	62	184467	20.536	ug/l	96
43) Isopropyl Acetate	9.26	43	188528	20.983	ug/l #	99
44) Trichloroethene	8.56	130	222283	20.331	ug/l	99
45) 1,2-Dichloropropane	8.97	63	169282	20.029	ug/l	99
46) Dibromomethane	9.08	93	107272	19.677	ug/l	97
47) Bromodichloromethane	9.40	83	236169	19.860	ug/l	97
48) Methyl methacrylate	9.14	41	96898	19.196	ug/l	99
49) 1,4-Dioxane	9.10	88	21786	412.263	ug/l	91
51) 4-Methyl-2-Pentanone	10.32	43	536600	98.094	ug/l	99
52) Toluene	10.53	92	393821	19.201	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	215707	19.712	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	273465	20.153	ug/l	98
55) 1,1,2-Trichloroethane	11.21	97	137105	20.214	ug/l	98
56) Ethyl methacrylate	11.06	69	138129	19.210	ug/l	94
57) 1,3-Dichloropropane	11.43	76	203907	20.677	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	383054	99.747	ug/l	95
59) 2-Hexanone	11.55	43	388614	101.343	ug/l	99
60) Dibromochloromethane	11.70	129	192111	19.638	ug/l	100
61) 1,2-Dibromoethane	11.82	107	158490	19.890	ug/l	100
64) Tetrachloroethene	11.28	164	167301	20.268	ug/l	98
65) Chlorobenzene	12.41	112	507734	21.149	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	184128	21.372	ug/l	97
67) Ethyl Benzene	12.54	91	753460	21.554	ug/l	100
68) m/p-Xylenes	12.68	106	595389	42.630	ug/l	96
69) o-Xylene	13.06	106	280644	21.392	ug/l	97
70) Styrene	13.08	104	472103	21.568	ug/l	98
71) Bromoform	13.25	173	113420	20.800	ug/l	99
73) Isopropylbenzene	13.42	105	750266	20.527	ug/l	98
74) N-amyl acetate	13.28	43	226028	20.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	152818	20.160	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	160492	20.938	ug/l	97
77) Bromobenzene	13.68	156	195432	20.456	ug/l	96
78) n-propylbenzene	13.79	91	866760	20.612	ug/l	98
79) 2-Chlorotoluene	13.85	91	481941	20.067	ug/l	95
80) 1,3,5-Trimethylbenzene	14.25	105	578590	20.874	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	51475	22.691	ug/l	99
82) 4-Chlorotoluene	13.96	91	559757	21.250	ug/l	96
83) tert-Butylbenzene	14.20	119	654375	20.619	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	578590	20.874	ug/l	95
85) sec-Butylbenzene	14.38	105	775546	21.079	ug/l	96
86) p-Isopropyltoluene	14.50	119	640719	21.381	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	368439	22.700	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	354073	21.967	ug/l	99
89) n-Butylbenzene	14.80	91	570663	19.119	ug/l	98
90) Hexachloroethane	15.02	117	182217	21.084	ug/l	90
91) 1,2-Dichlorobenzene	14.82	146	290885	20.685	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	17592	19.833	ug/l	96

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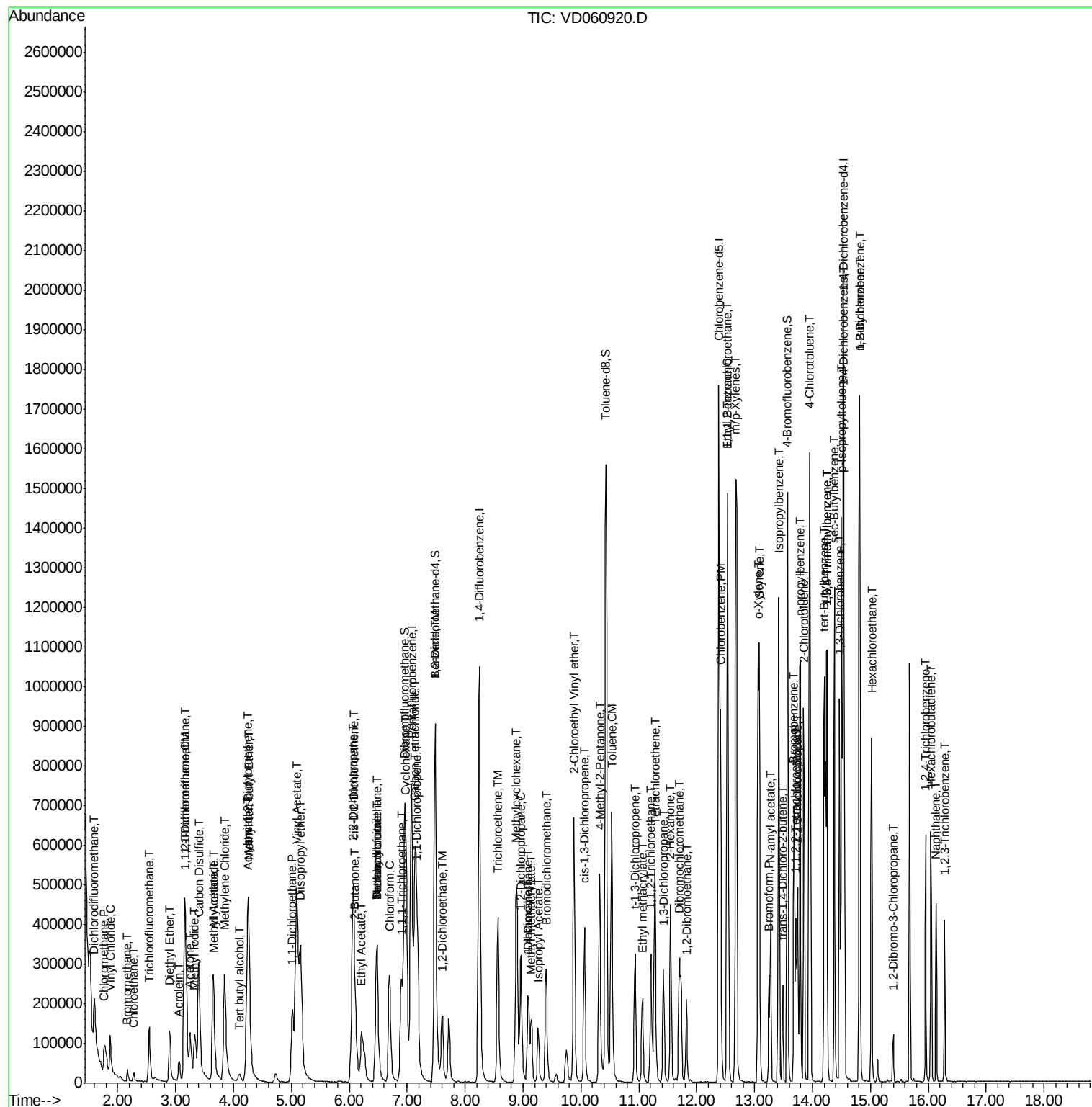
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	158161	19.369	ug/l	98
94) Hexachlorobutadiene	16.04	225	106559	20.331	ug/l	98
95) Naphthalene	16.13	128	261337	20.552	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	100380	21.890	ug/l	97

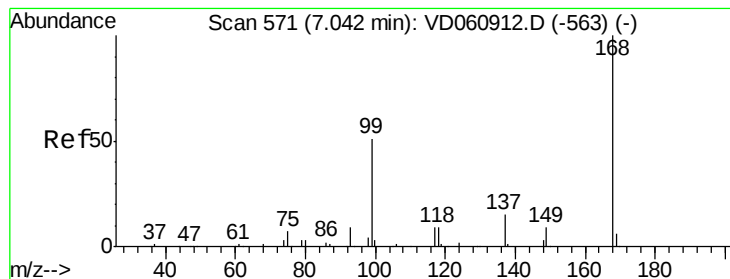
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

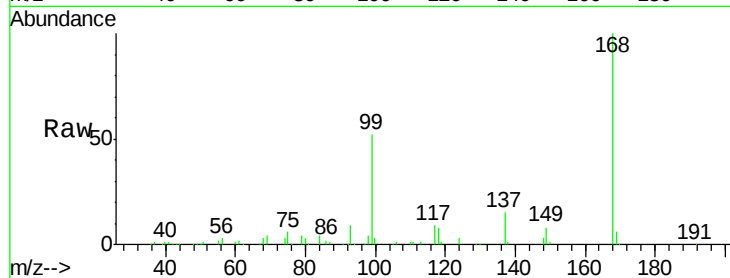
VD0304SBSD01

Tot Ion:168 Resp: 797168

Ion Ratio Lower Upper

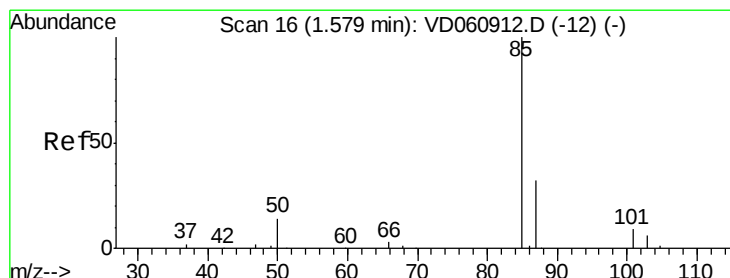
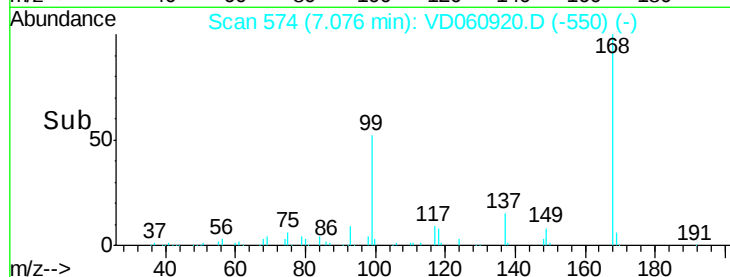
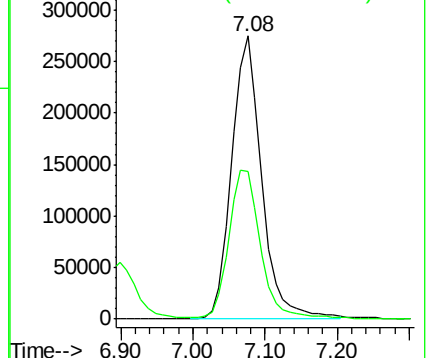
168 100

99 52.1 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: 20.461 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD060920.D

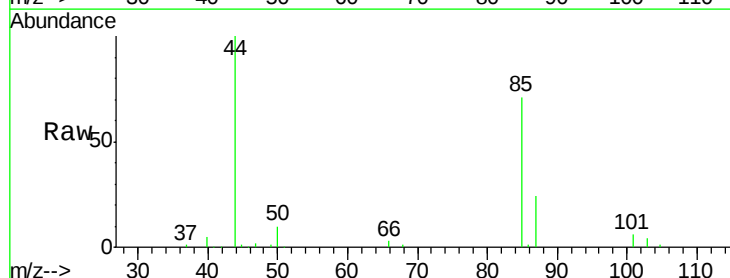
Acq: 4 Mar 2019 13:41

Tgt Ion: 85 Resp: 180734

Ion Ratio Lower Upper

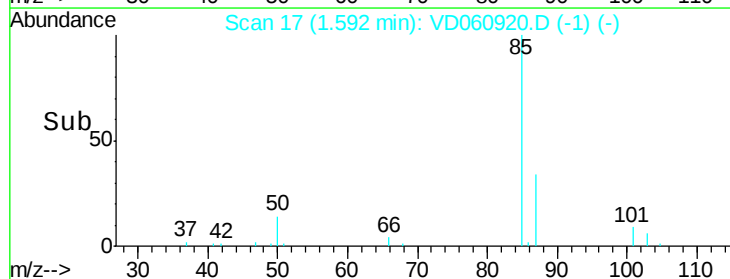
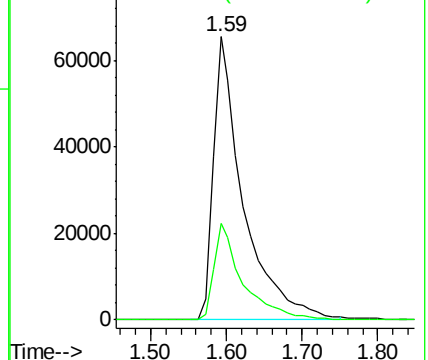
85 100

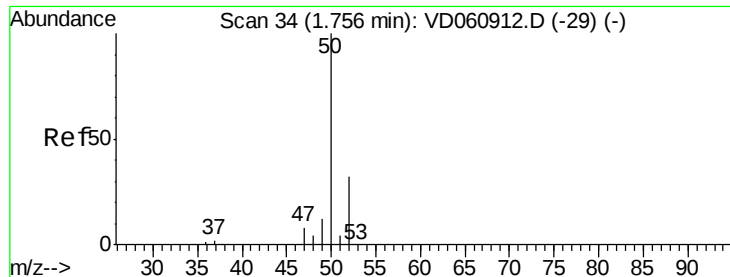
87 33.9 16.3 48.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.970 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

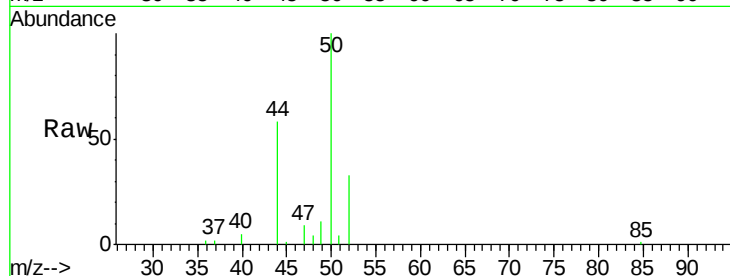
VD0304SBSD01

Tot Ion: 50 Resp: 153712

Ion Ratio Lower Upper

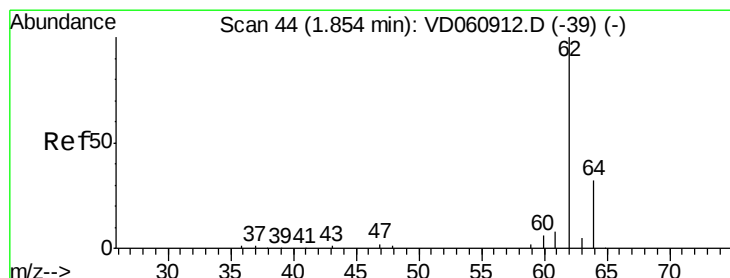
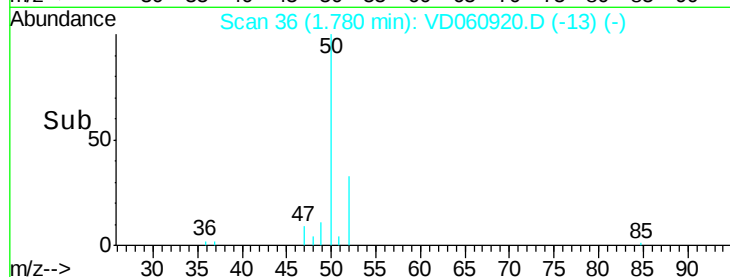
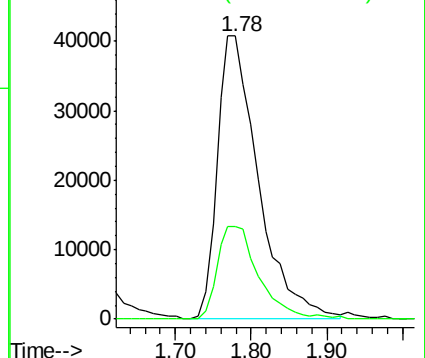
50 100

52 32.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.835 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD060920.D

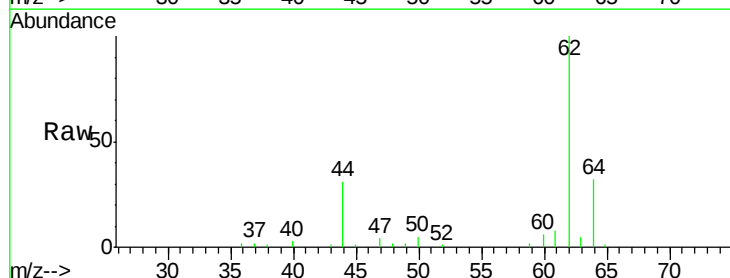
Acq: 4 Mar 2019 13:41

Tgt Ion: 62 Resp: 131352

Ion Ratio Lower Upper

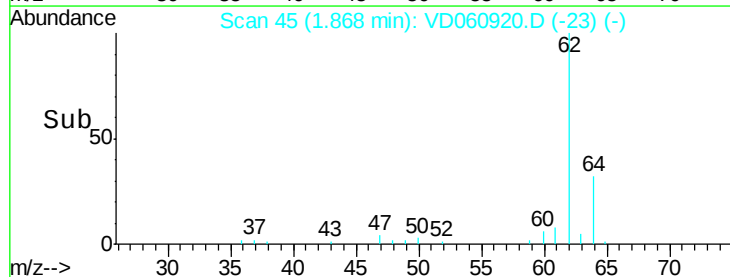
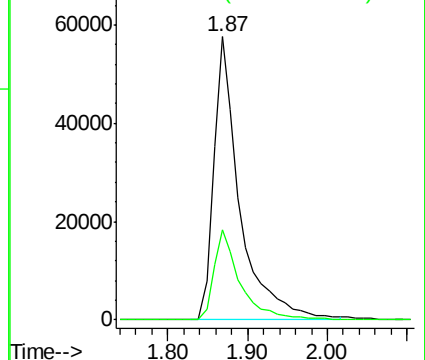
62 100

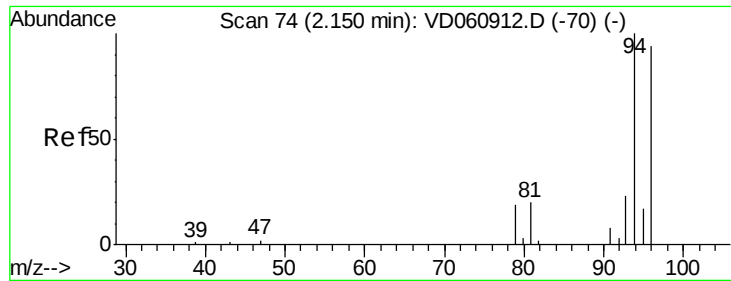
64 31.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

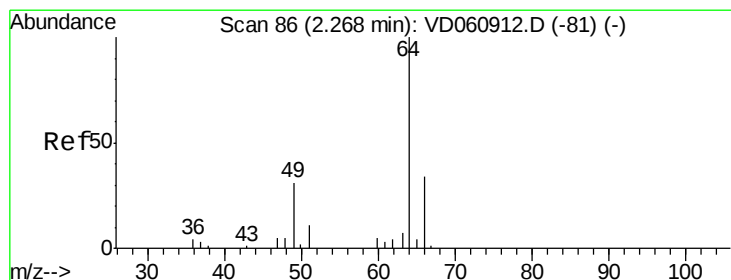
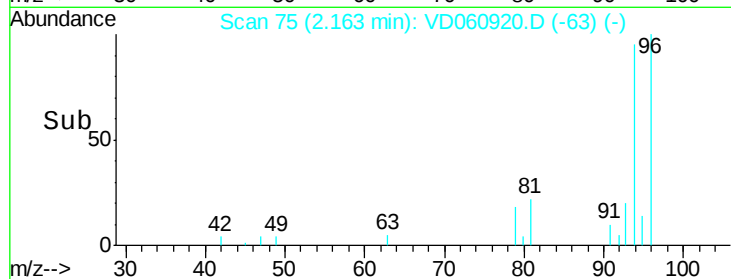
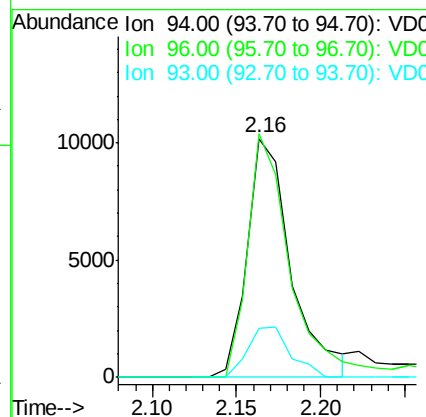
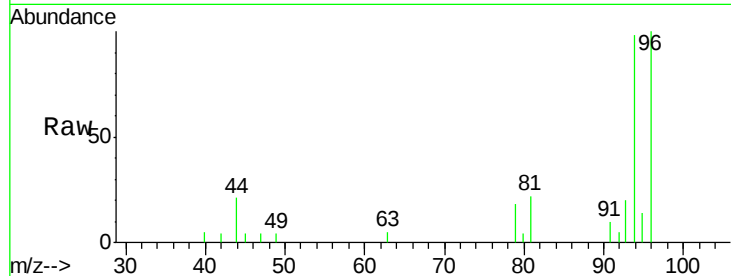




#5
Bromomethane
Concen: 15.734 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

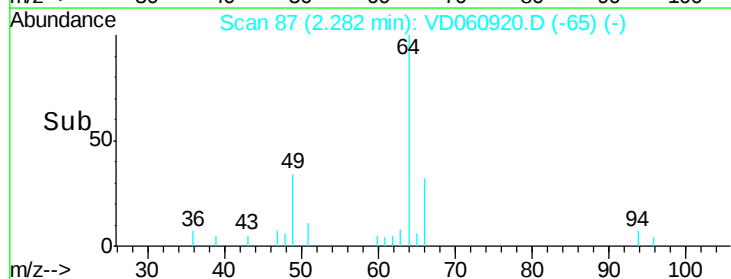
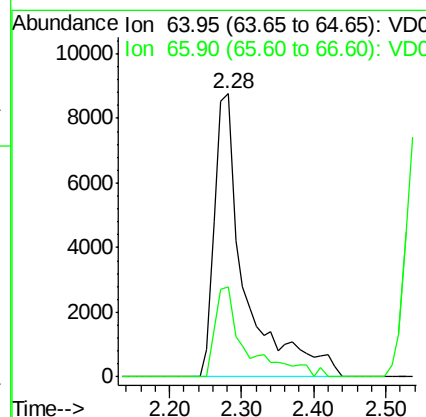
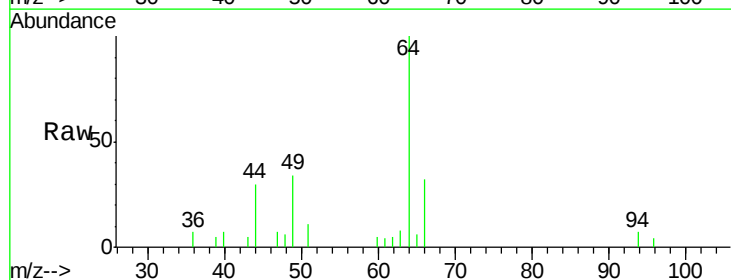
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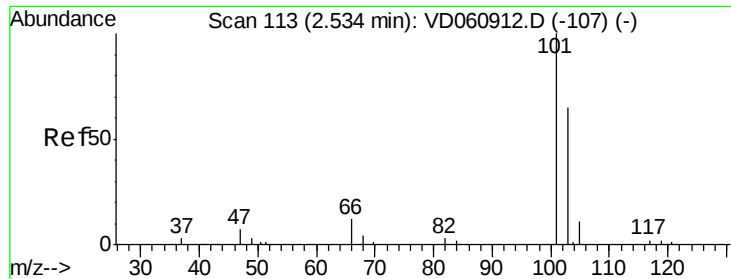
Tot Ion: 94 Resp: 18405
Ion Ratio Lower Upper
94 100
96 102.1 75.1 112.7
93 20.3 18.6 28.0



#6
Chloroethane
Concen: 15.958 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 64 Resp: 25461
Ion Ratio Lower Upper
64 100
66 31.9 27.0 40.6



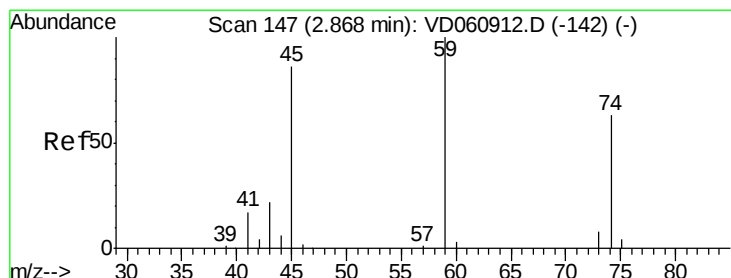
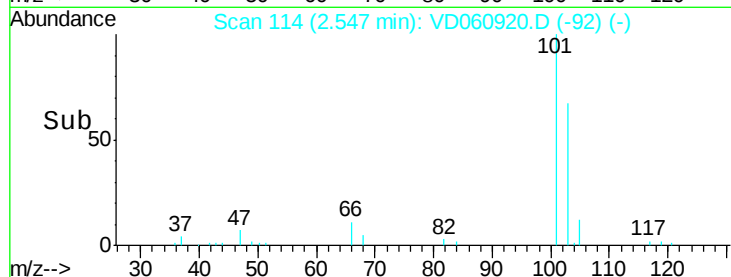
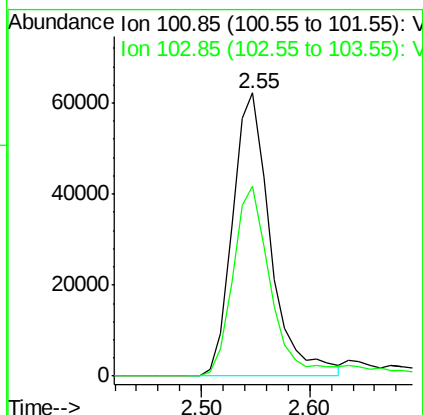
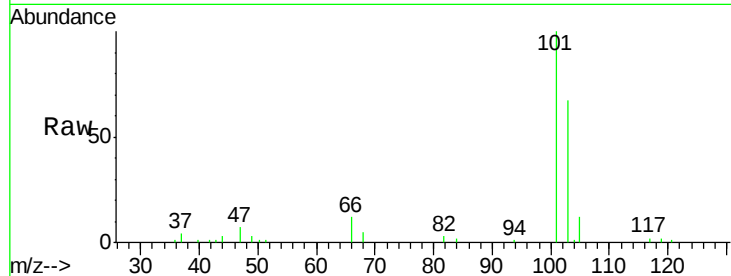


#7

Trichlorofluoromethane
 Concen: 19.045 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
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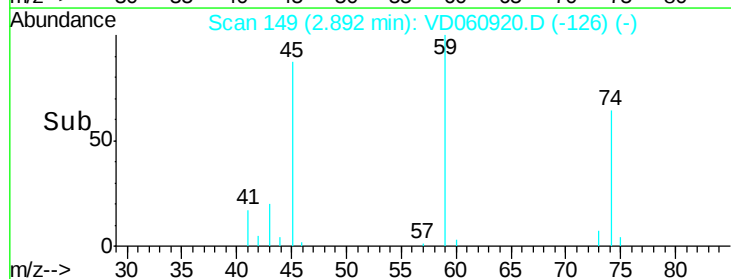
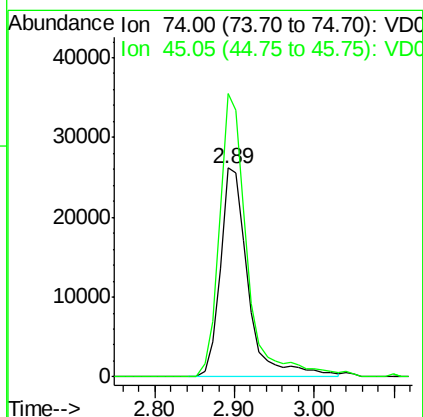
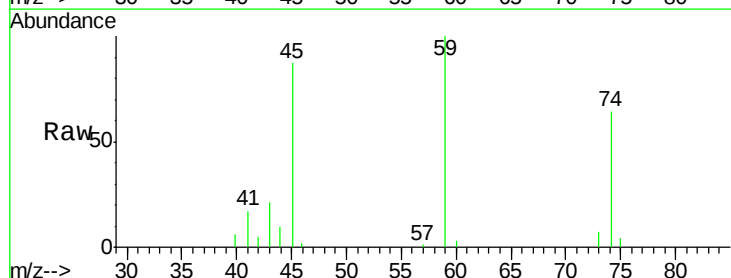
Tot Ion:101 Resp: 151384
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.4 78.6

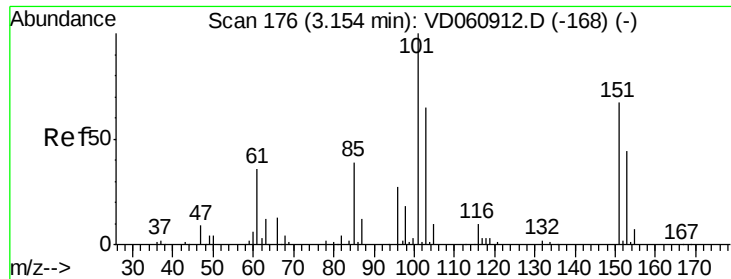


#8

Diethyl Ether
 Concen: 18.365 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion: 74 Resp: 64388
 Ion Ratio Lower Upper
 74 100
 45 135.7 68.8 206.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.640 ug/l

RT: 3.18 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

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VD0304SBSD01

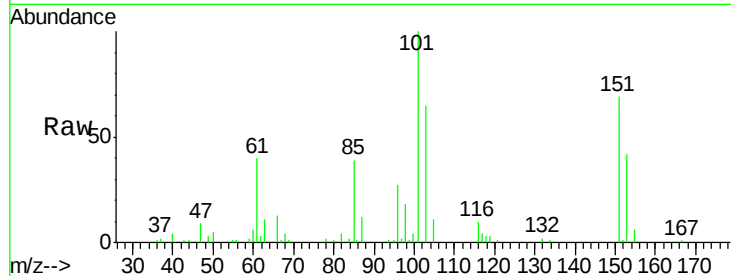
Tot Ion:101 Resp: 211744

Ion Ratio Lower Upper

101 100

85 39.3 31.0 46.6

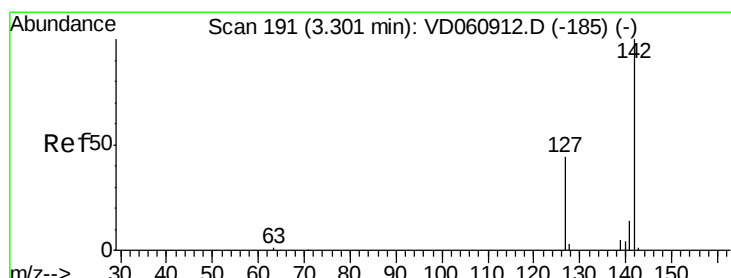
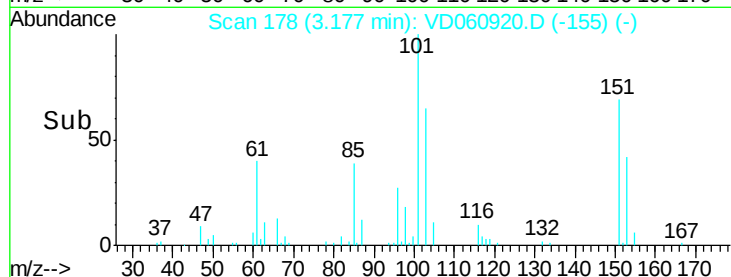
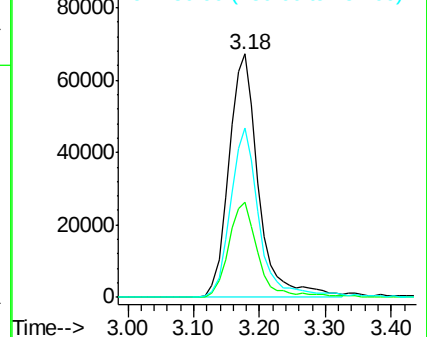
151 69.4 53.8 80.6



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: 19.725 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

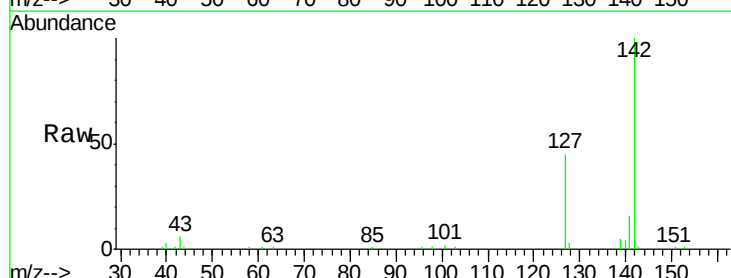
Tgt Ion:142 Resp: 256924

Ion Ratio Lower Upper

142 100

127 45.2 35.0 52.6

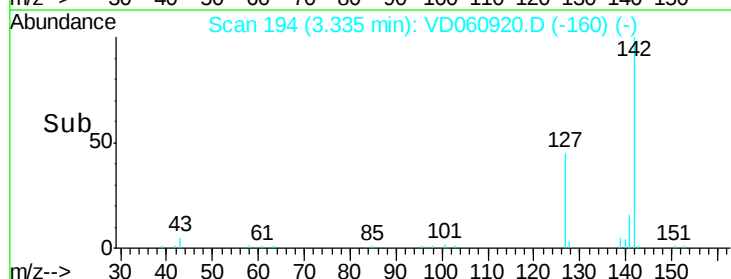
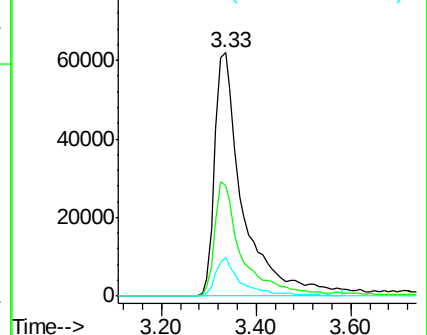
141 15.9 11.0 16.4

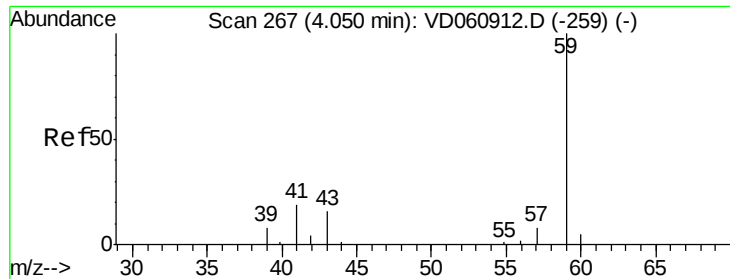


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

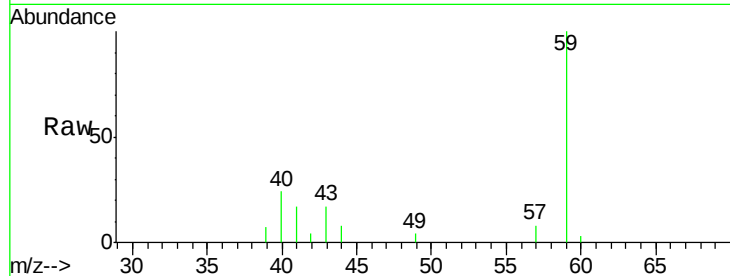




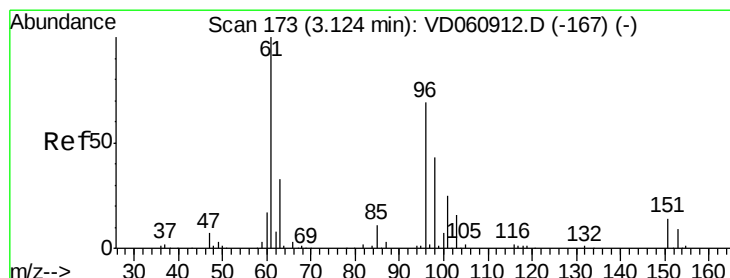
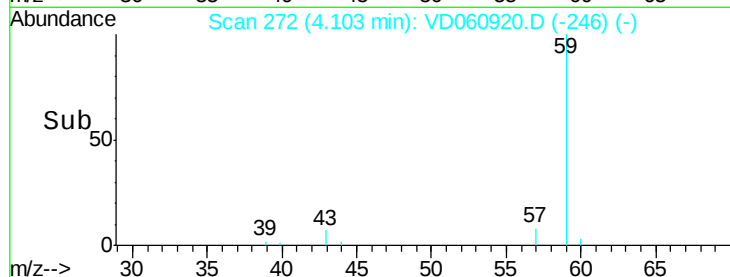
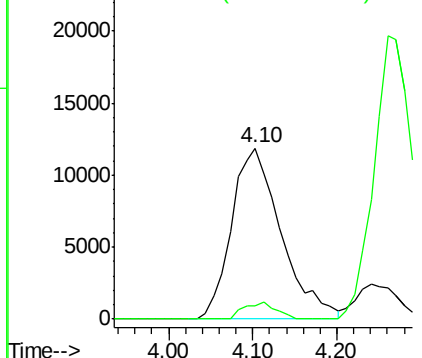
#11
Tert butyl alcohol
Concen: 99.322 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.05 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion: 59 Resp: 48784
Ion Ratio Lower Upper
59 100
57 7.8 6.5 9.7

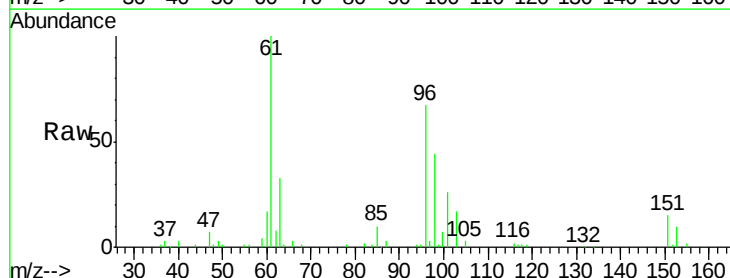


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

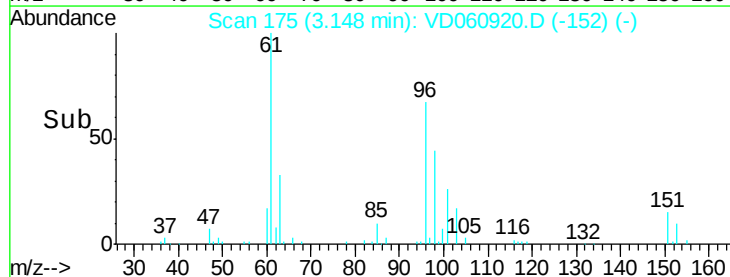
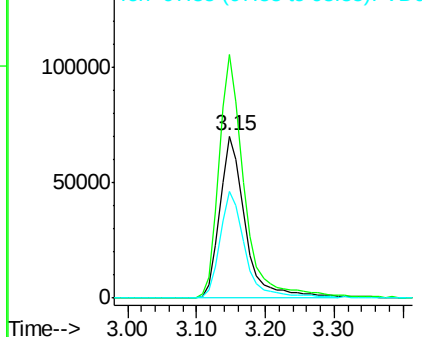


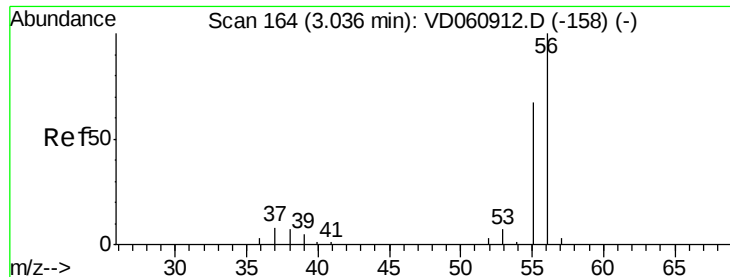
#12
1,1-Dichloroethene
Concen: 19.746 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 96 Resp: 180580
Ion Ratio Lower Upper
96 100
61 150.0 116.4 174.6
98 66.1 50.5 75.7



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





#13

Acrolein

Concen: 99.424 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

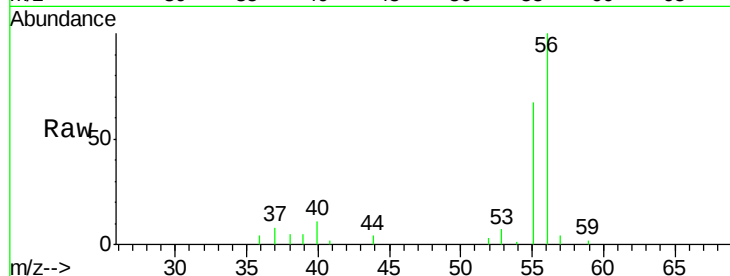
VD0304SBSD01

Tot Ion: 56 Resp: 67626

Ion Ratio Lower Upper

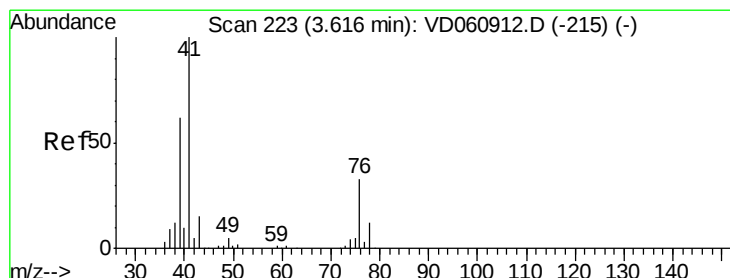
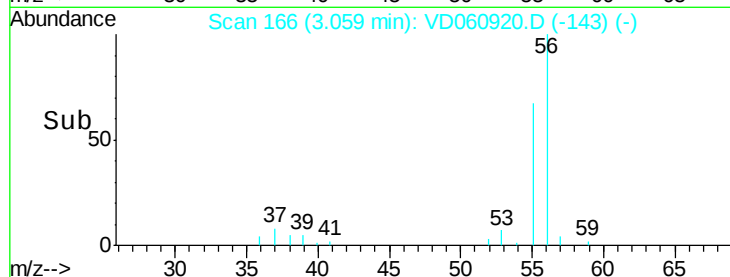
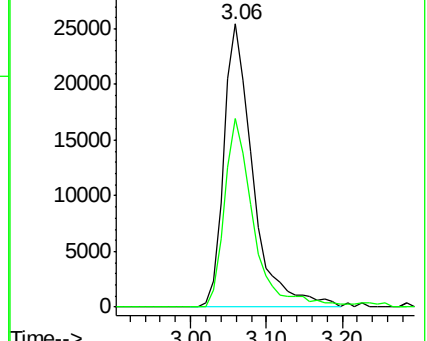
56 100

55 66.6 53.5 80.3



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.952 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

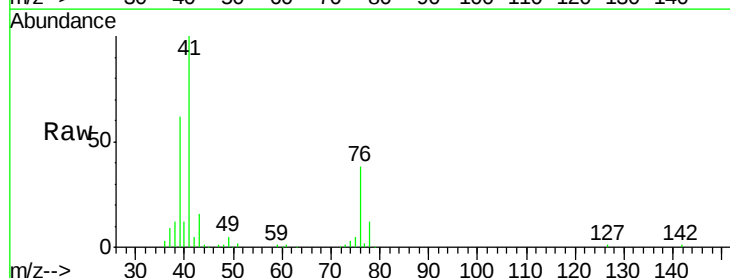
Tgt Ion: 41 Resp: 282697

Ion Ratio Lower Upper

41 100

39 61.6 49.9 74.9

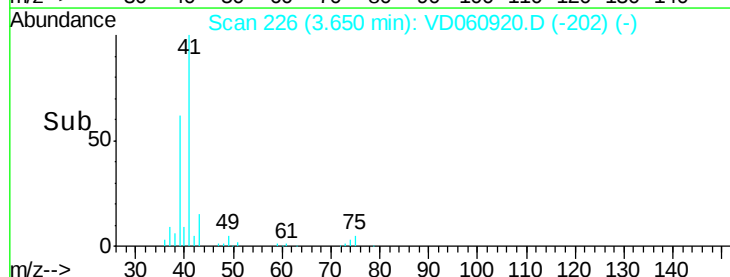
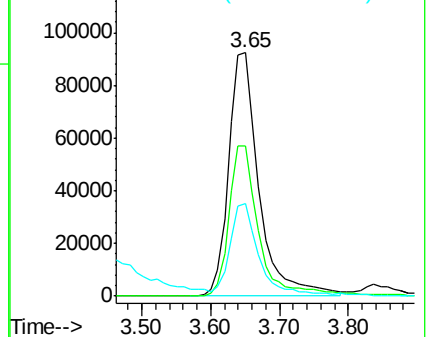
76 38.0 28.6 42.8

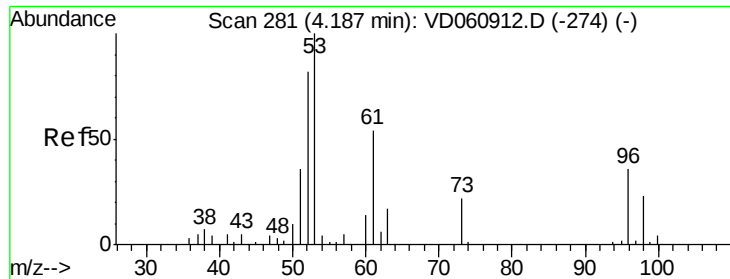


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 90.597 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

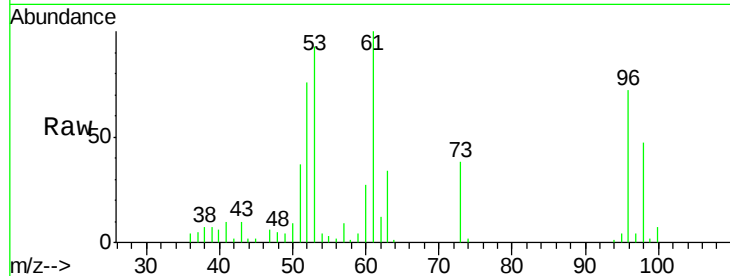
Tot Ion: 53 Resp: 170383

Ion Ratio Lower Upper

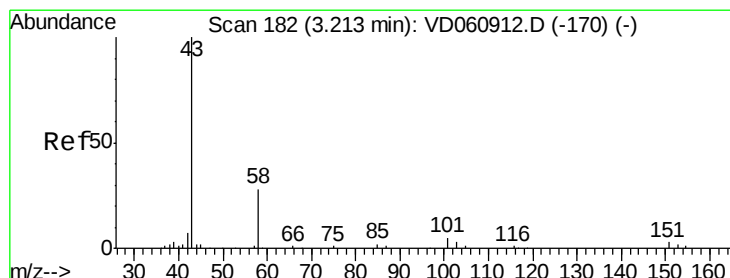
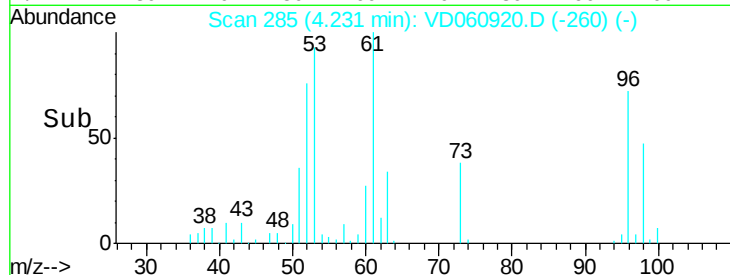
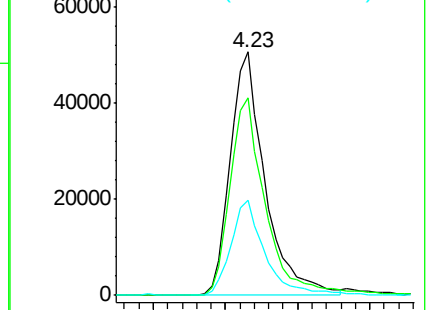
53 100

52 81.0 65.8 98.6

51 39.3 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: 95.116 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD060920.D

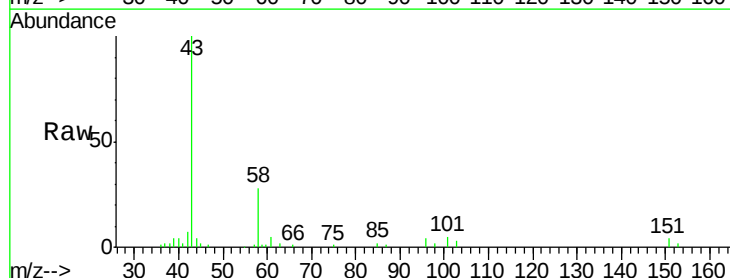
Acq: 4 Mar 2019 13:41

Tgt Ion: 43 Resp: 209289

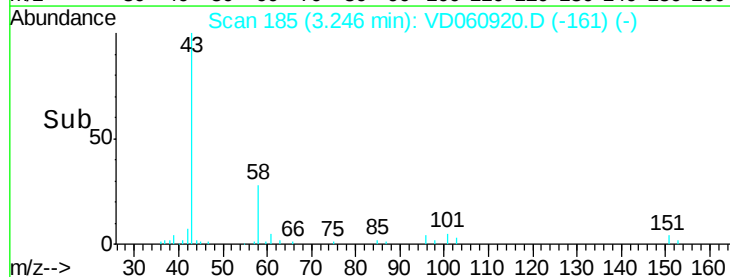
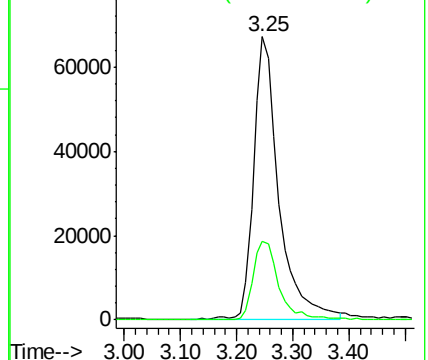
Ion Ratio Lower Upper

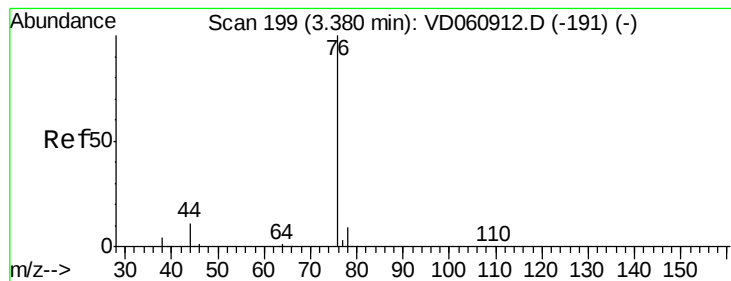
43 100

58 27.8 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: 18.700 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

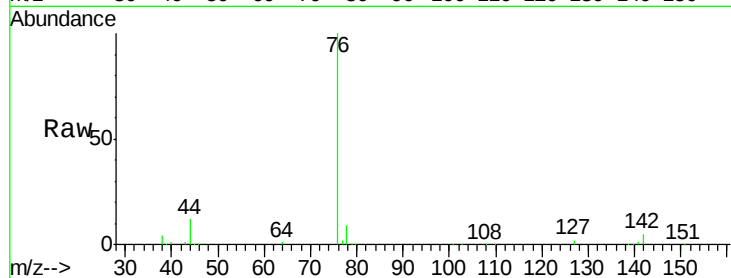
VD0304SBSD01

Tot Ion: 76 Resp: 606217

Ion Ratio Lower Upper

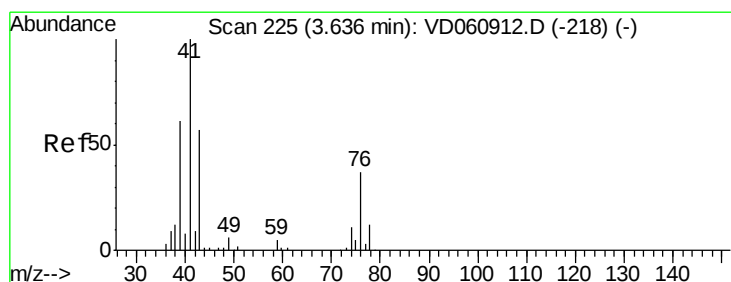
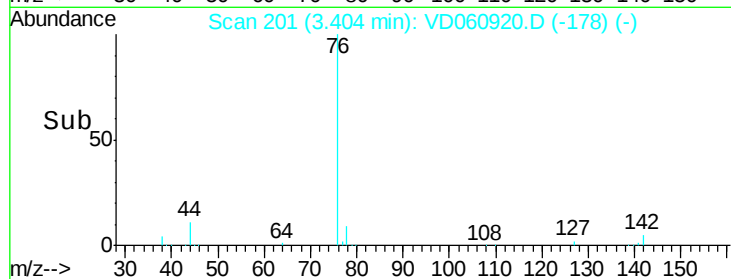
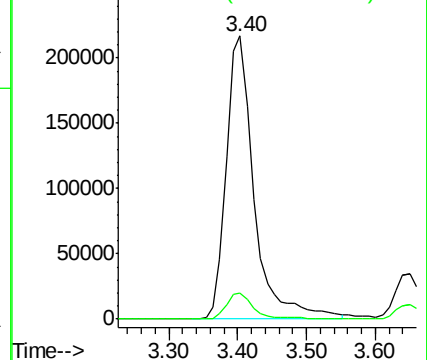
76 100

78 9.4 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: 17.417 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.03 min

Lab File: VD060920.D

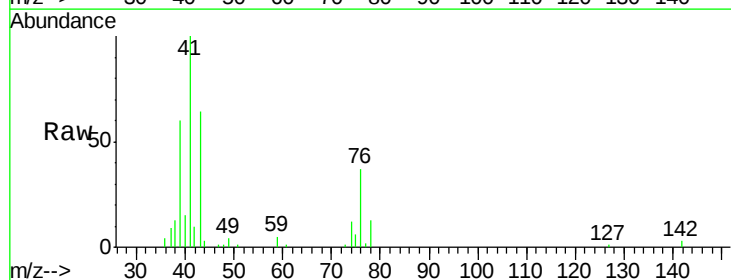
Acq: 4 Mar 2019 13:41

Tgt Ion: 43 Resp: 78469

Ion Ratio Lower Upper

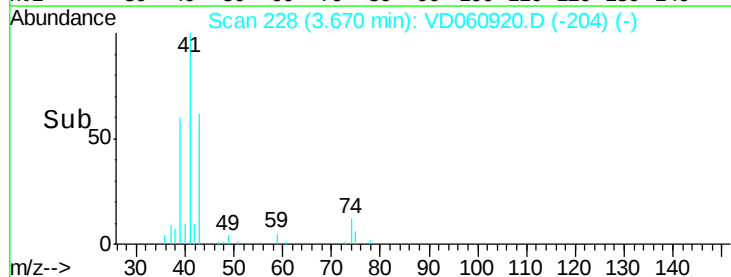
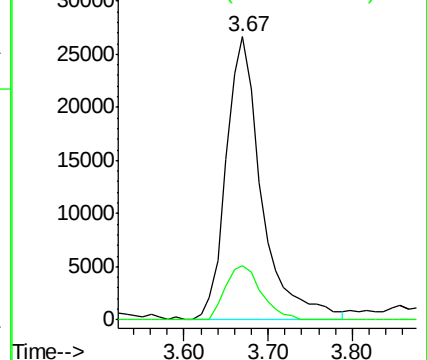
43 100

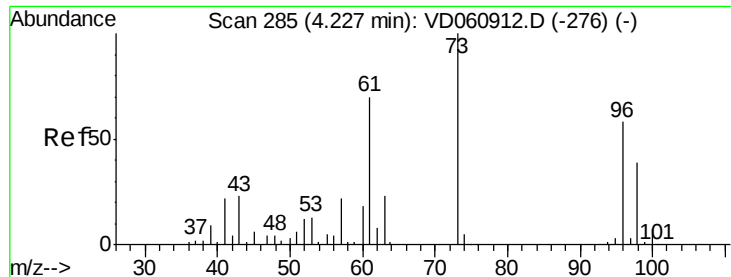
74 19.2 16.1 24.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

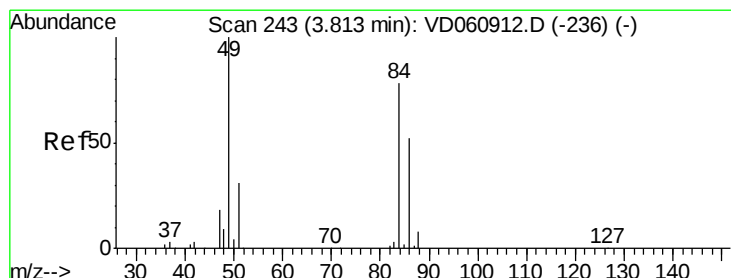
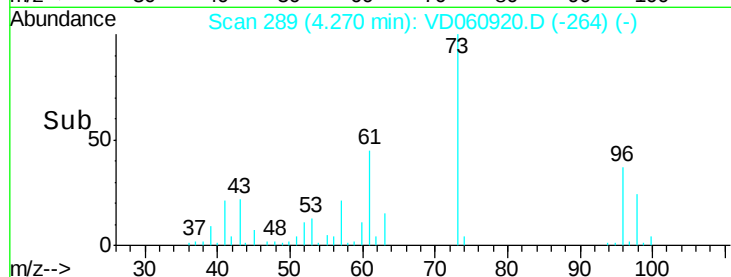
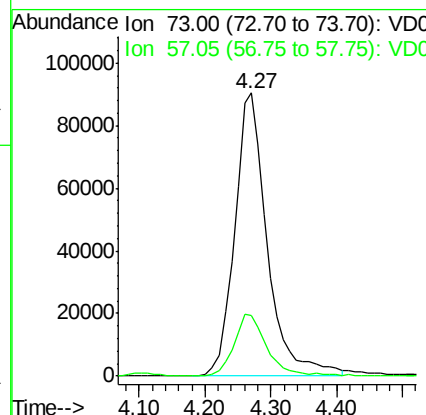
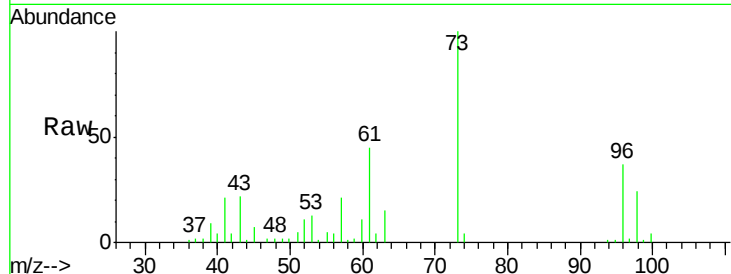




#19
Methvl tert-butvl Ether
Concen: 19.440 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

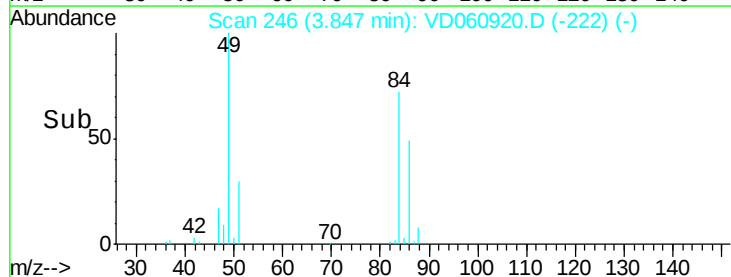
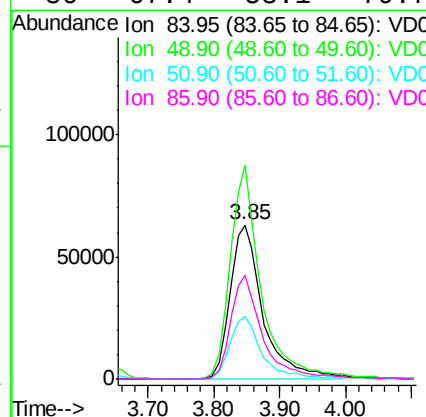
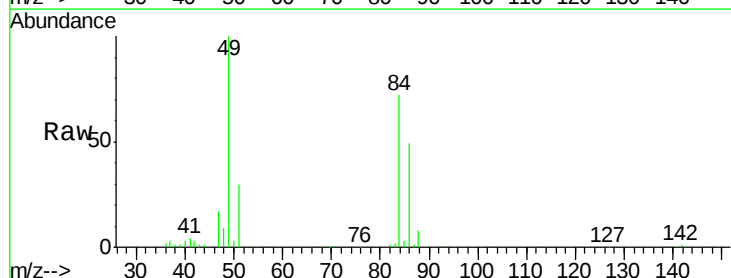
Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

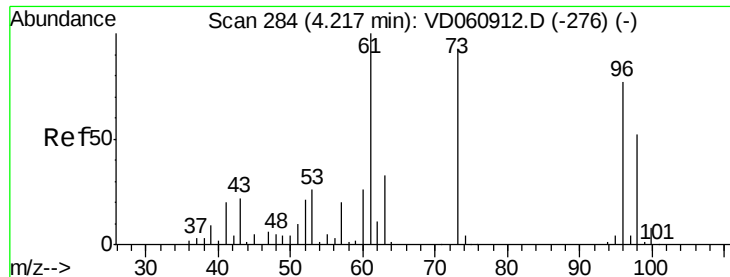
Tot Ion: 73 Resp: 312711
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.6



#20
Methylene Chloride
Concen: 18.818 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 84 Resp: 220177
Ion Ratio Lower Upper
84 100
49 138.6 102.4 153.6
51 41.1 31.9 47.9
86 67.4 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 19.177 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

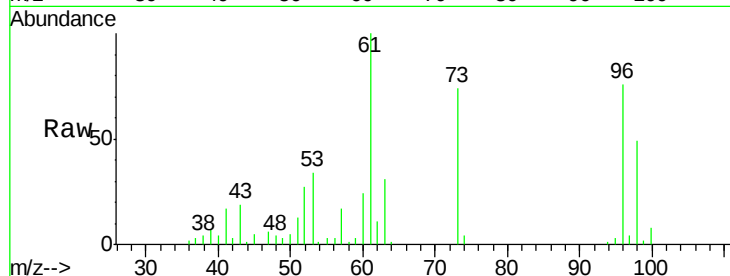
Tot Ion: 96 Resp: 190923

Ion Ratio Lower Upper

96 100

61 131.0 103.4 155.2

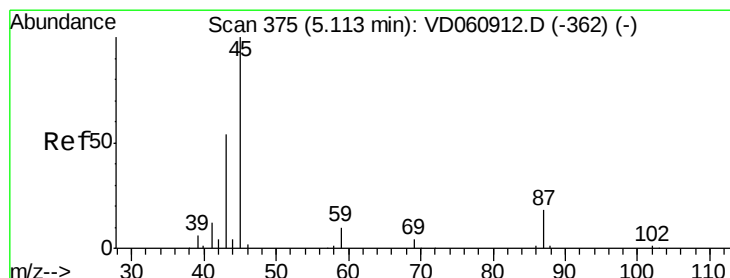
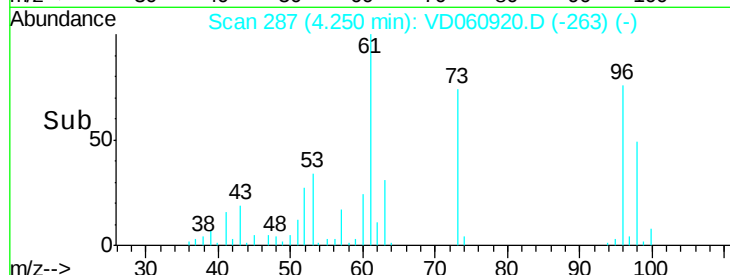
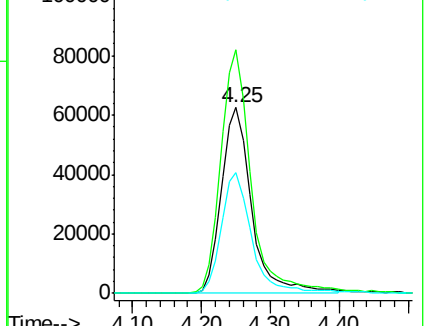
98 64.6 53.6 80.4



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: 19.246 ug/l

RT: 5.16 min Scan# 379

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion: 45 Resp: 609586

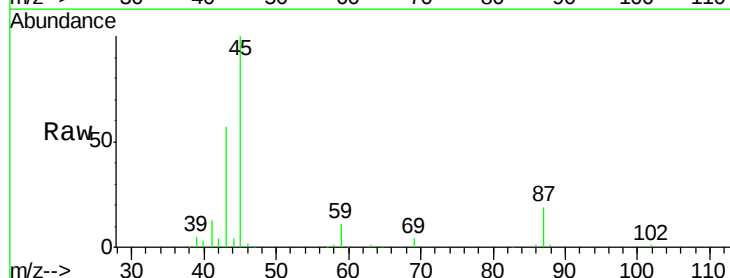
Ion Ratio Lower Upper

45 100

43 56.7 44.4 66.6

87 18.9 14.7 22.1

59 11.0 7.9 11.9

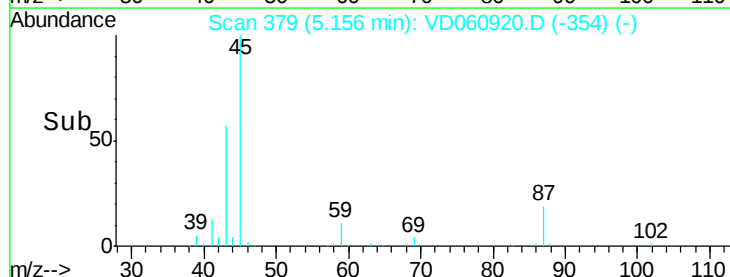
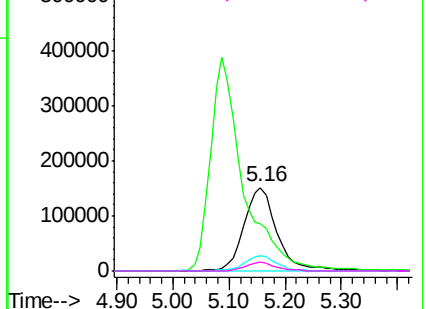


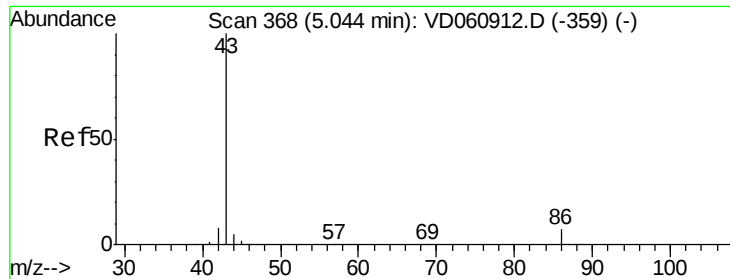
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 93.654 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

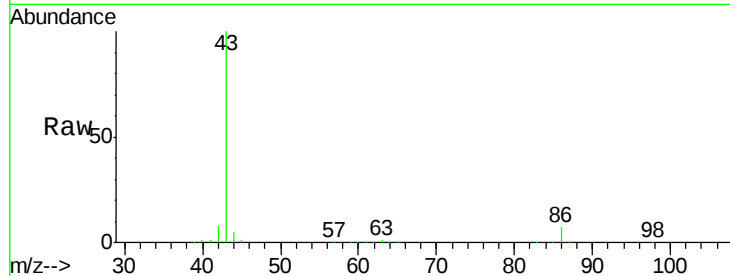
VD0304SBSD01

Tot Ion: 43 Resp: 1557748

Ion Ratio Lower Upper

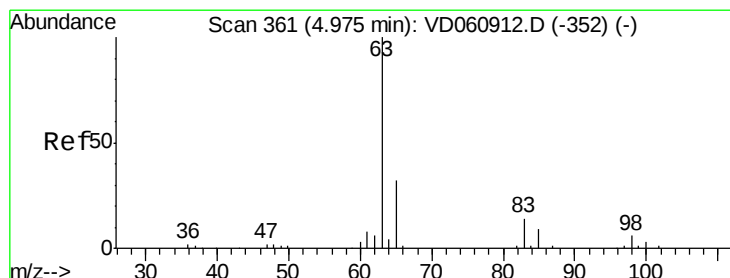
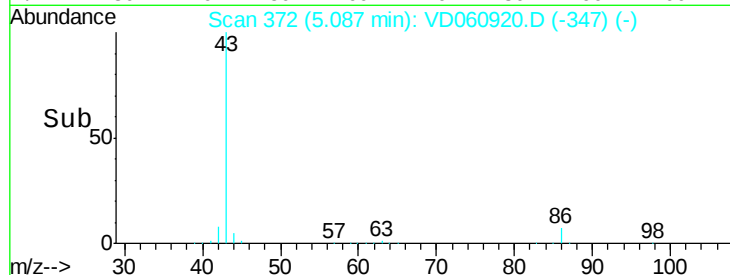
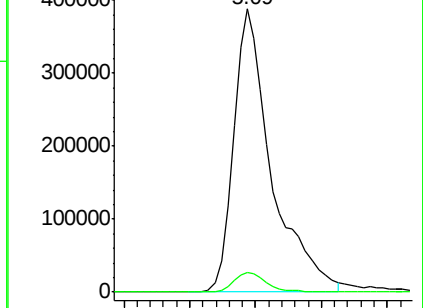
43 100

86 7.0 5.8 8.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.791 ug/l

RT: 5.02 min Scan# 365

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

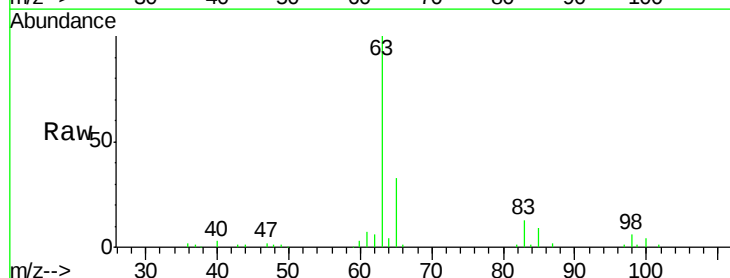
Tgt Ion: 63 Resp: 317425

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

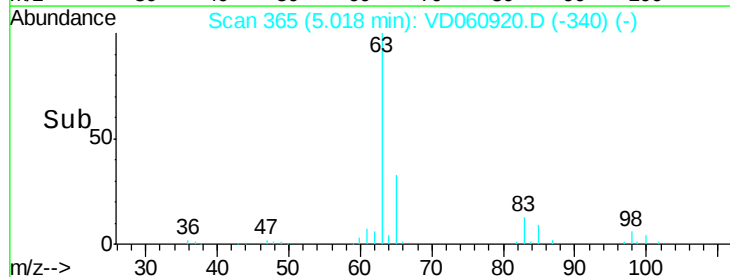
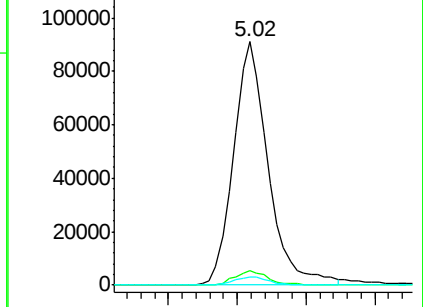
100 3.5 1.7 5.1

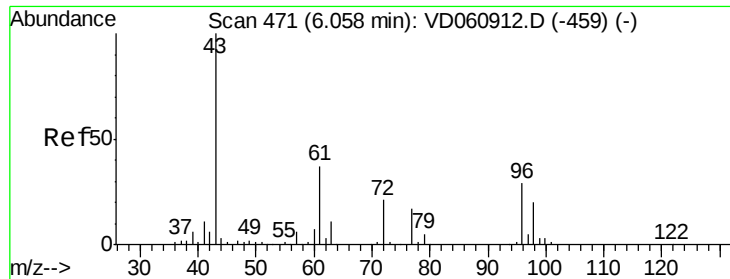


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 94.733 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

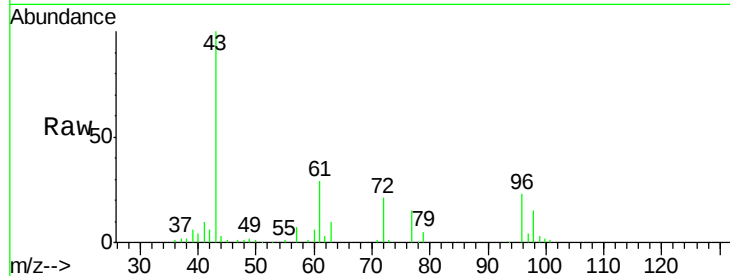
VD0304SBSD01

Tot Ion: 43 Resp: 258580

Ion Ratio Lower Upper

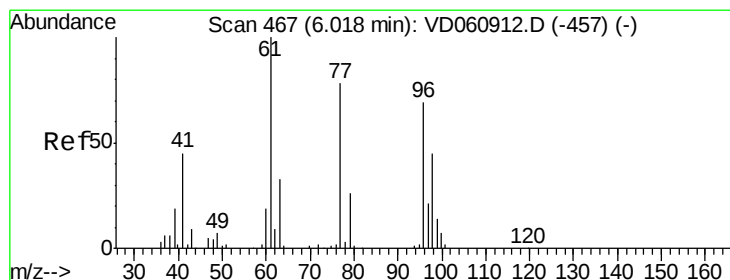
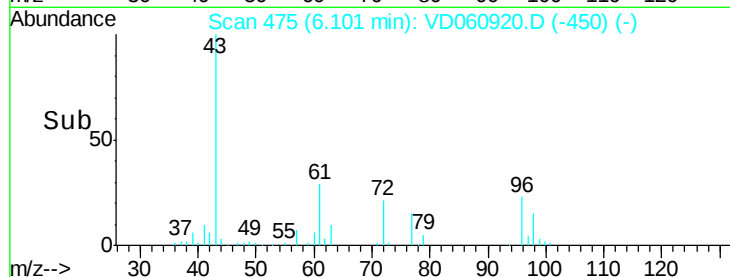
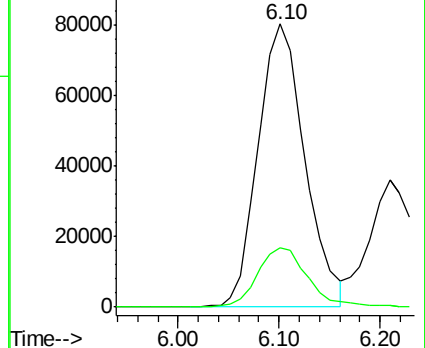
43 100

72 21.1 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: 19.852 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD060920.D

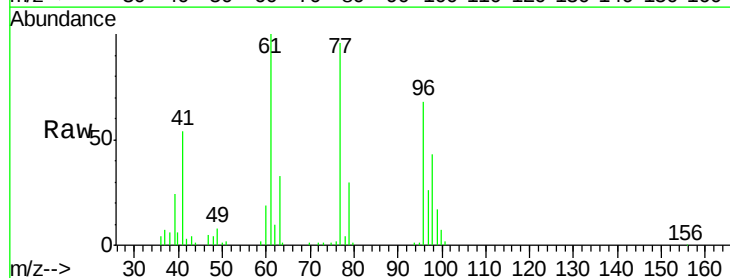
Acq: 4 Mar 2019 13:41

Tgt Ion: 77 Resp: 249118

Ion Ratio Lower Upper

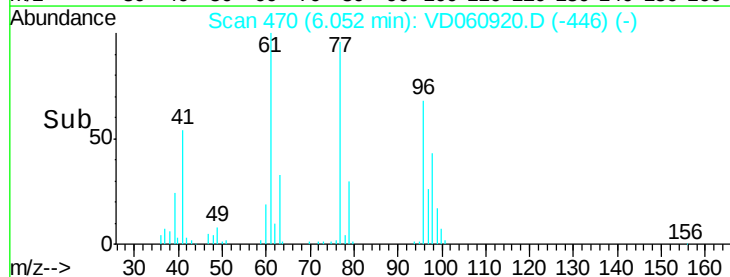
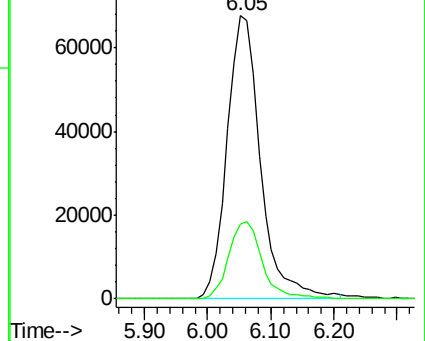
77 100

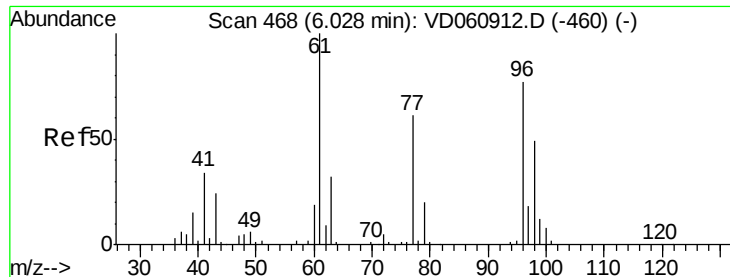
97 26.5 13.5 40.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



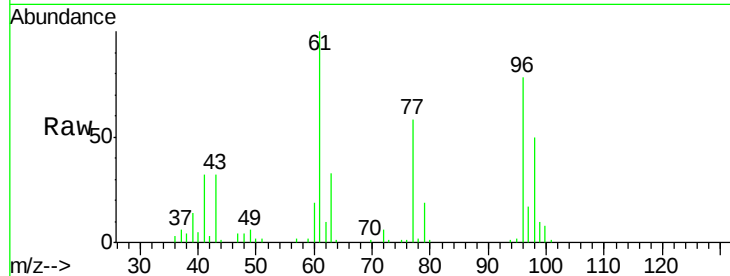


#27

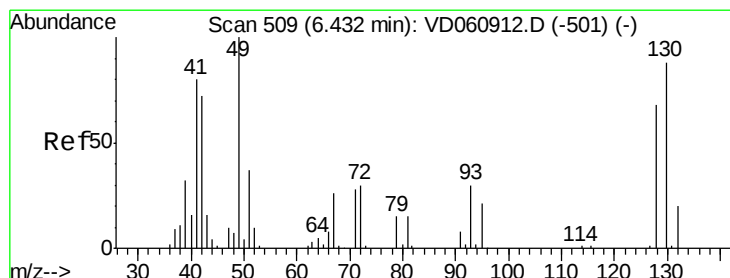
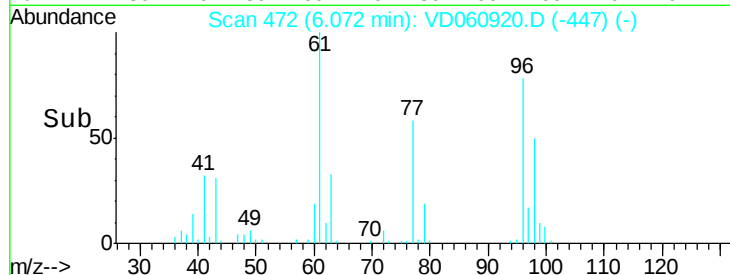
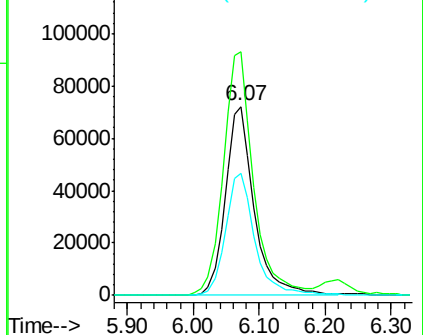
cis-1,2-Dichloroethene
Concen: 19.571 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion: 96 Resp: 220931
Ion Ratio Lower Upper
96 100
61 128.8 0.0 258.8
98 64.8 0.0 126.4



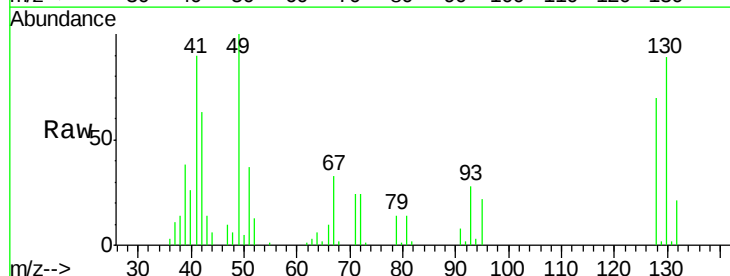
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



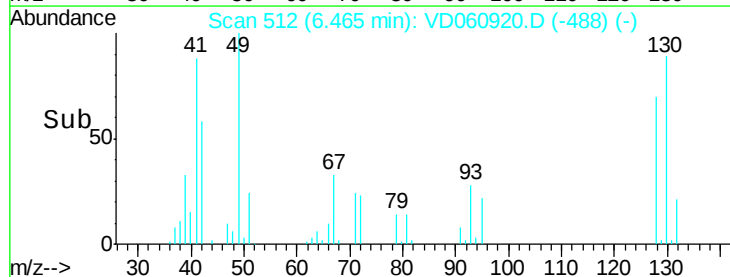
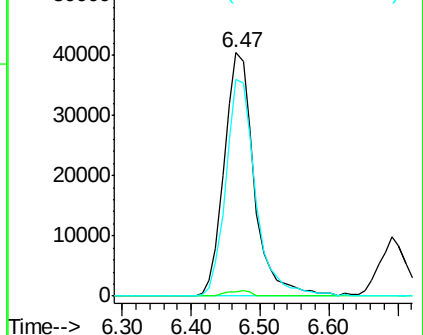
#28

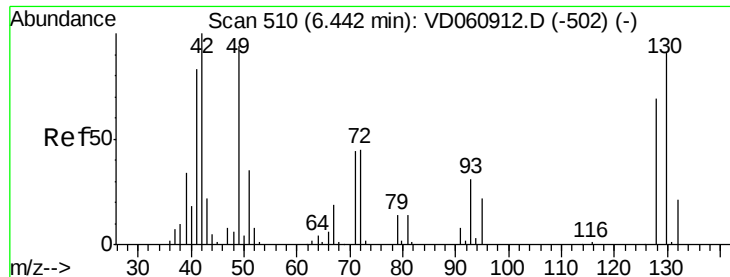
Bromochloromethane
Concen: 17.196 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 49 Resp: 122014
Ion Ratio Lower Upper
49 100
129 1.9 0.0 0.0#
130 89.0 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: 98.881 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

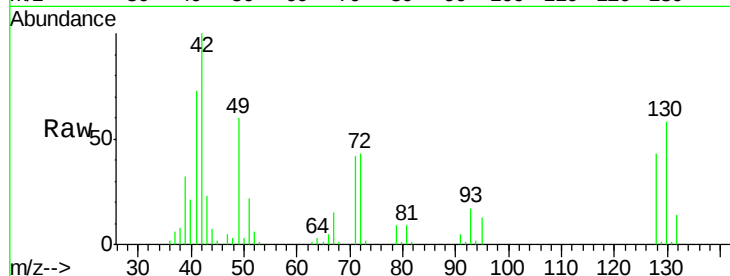
Tot Ion: 42 Resp: 138927

Ion Ratio Lower Upper

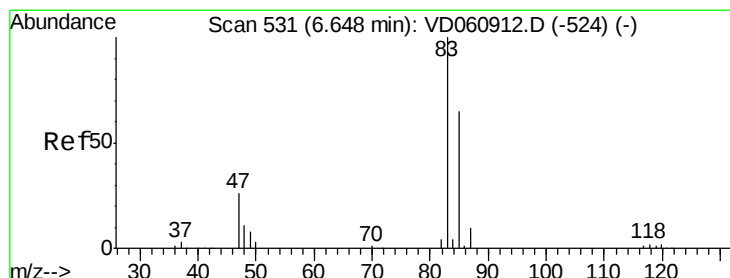
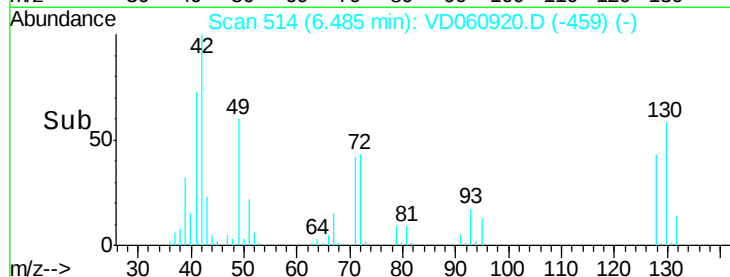
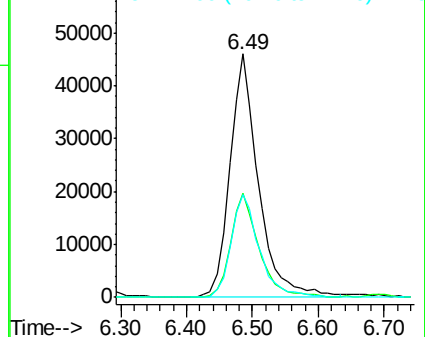
42 100

72 42.2 33.8 50.6

71 41.9 33.5 50.3



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



#30

Chloroform

Concen: 19.830 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.04 min

Lab File: VD060920.D

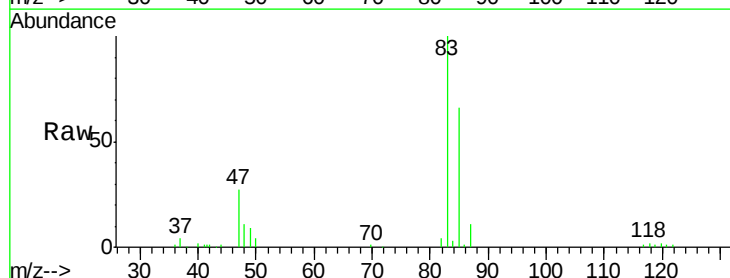
Acq: 4 Mar 2019 13:41

Tgt Ion: 83 Resp: 324889

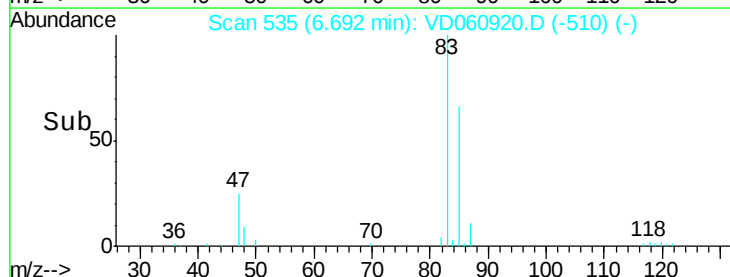
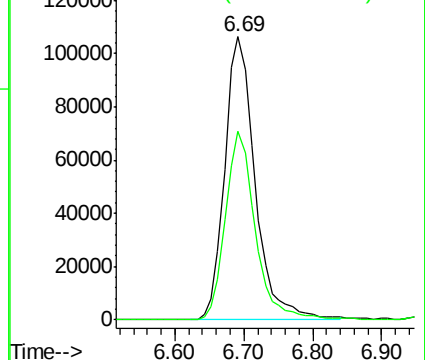
Ion Ratio Lower Upper

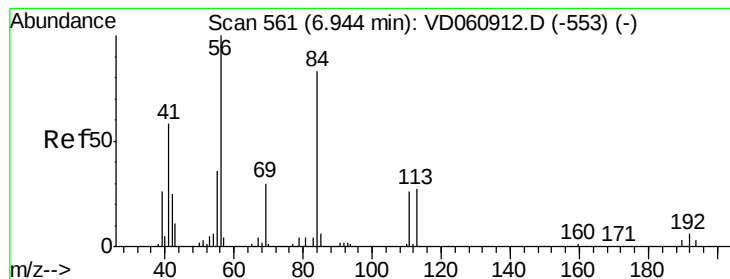
83 100

85 66.4 51.7 77.5



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





#31

Cyclohexane

Concen: 20.276 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

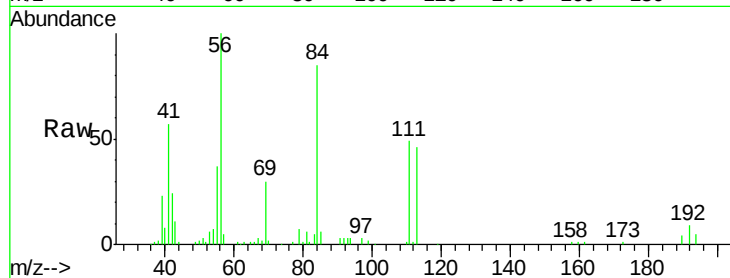
Tot Ion: 56 Resp: 294989

Ion Ratio Lower Upper

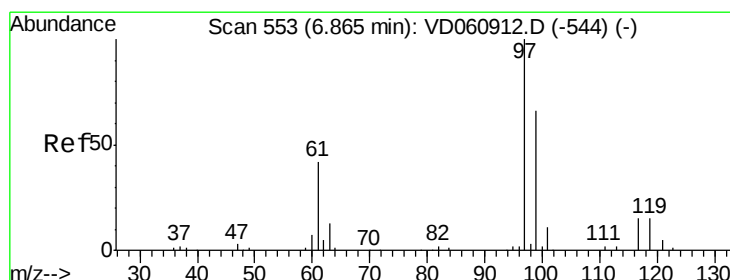
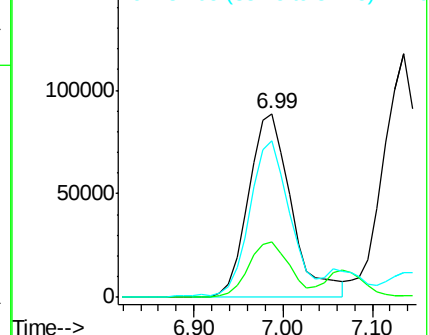
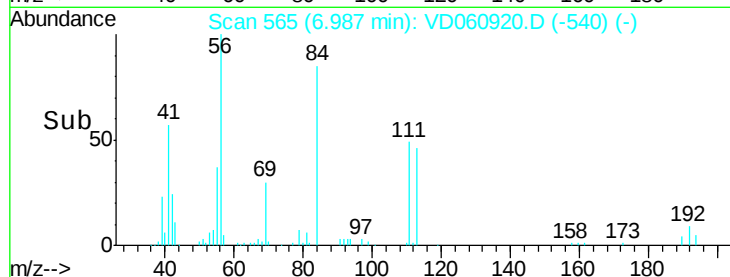
56 100

69 30.3 23.6 35.4

84 85.0 66.5 99.7



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



#32

1,1,1-Trichloroethane

Concen: 19.404 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

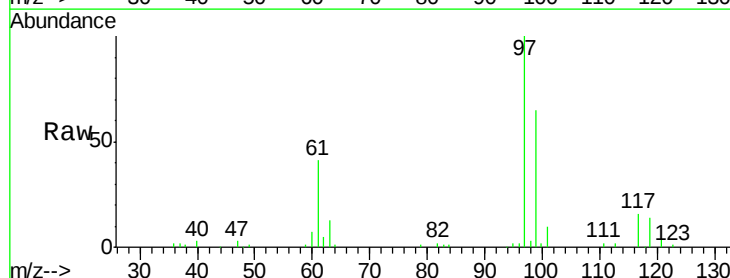
Tgt Ion: 97 Resp: 272222

Ion Ratio Lower Upper

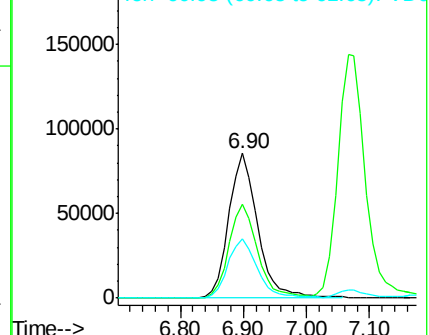
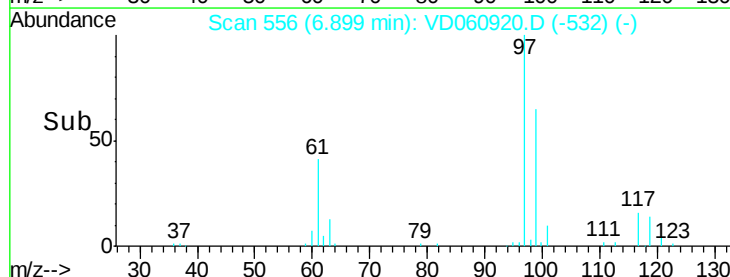
97 100

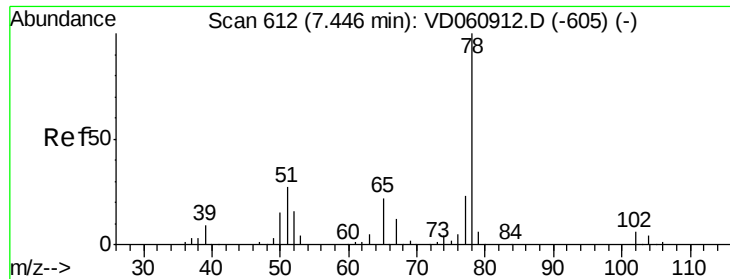
99 64.9 52.8 79.2

61 40.7 33.3 49.9



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





#33

1,2-Dichloroethane-d4

Concen: 19.404 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

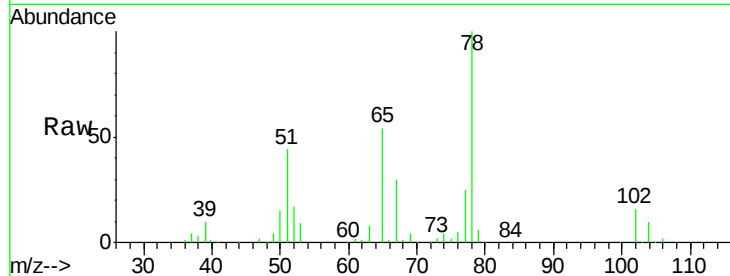
VD0304SBSD01

Tot Ion: 65 Resp: 353898

Ion Ratio Lower Upper

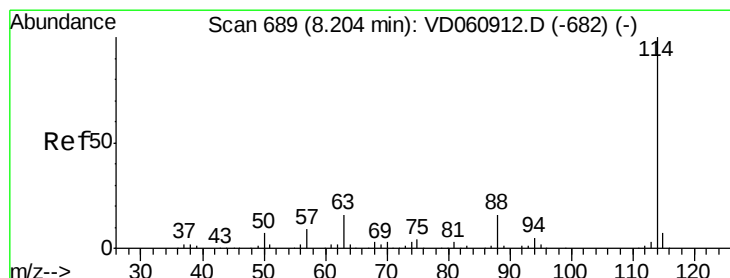
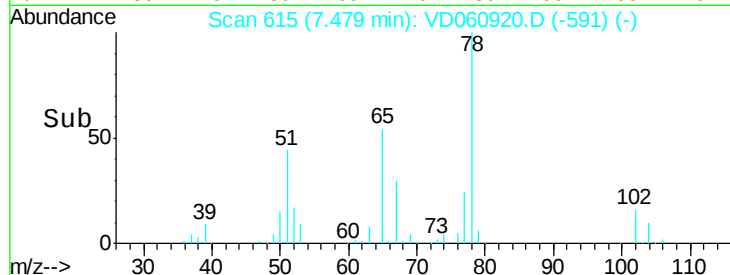
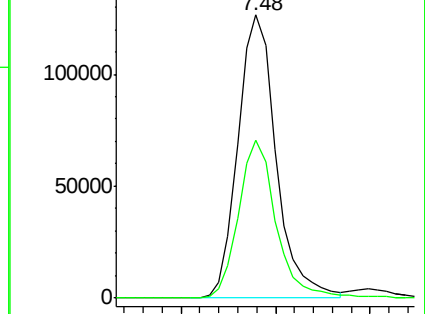
65 100

67 55.7 0.0 109.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.25 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

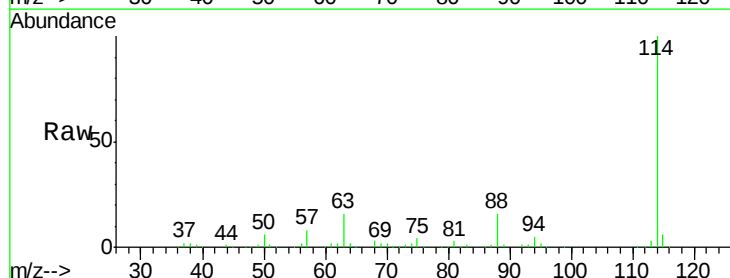
Tgt Ion: 114 Resp: 1363407

Ion Ratio Lower Upper

114 100

63 15.6 0.0 32.0

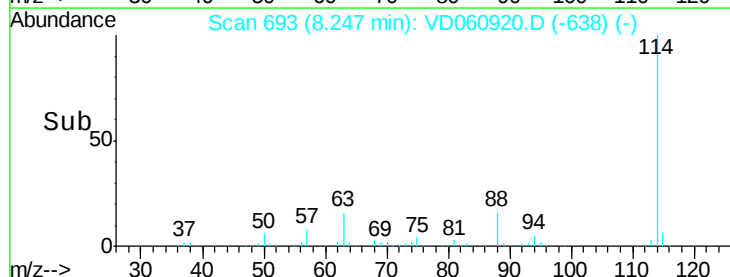
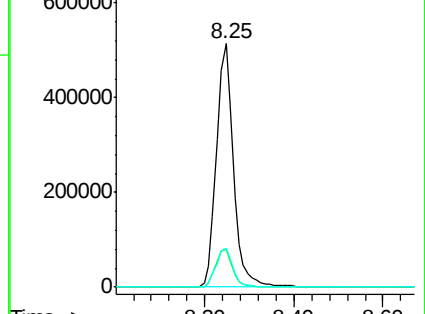
88 15.7 0.0 32.8

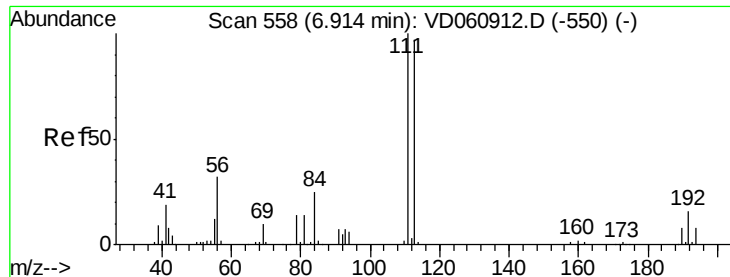


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

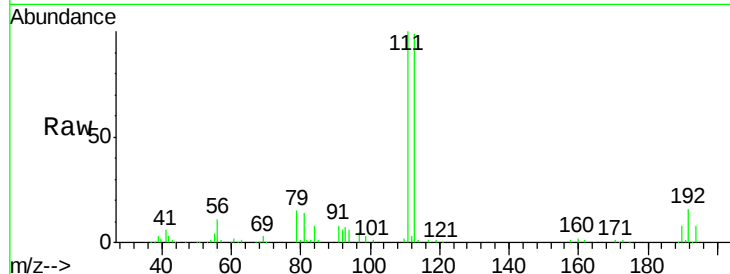
Tot Ion:113 Resp: 538686

Ion Ratio Lower Upper

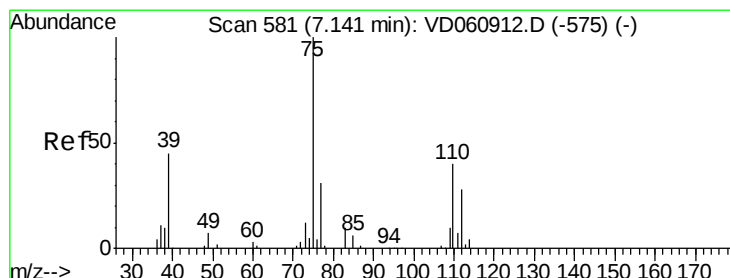
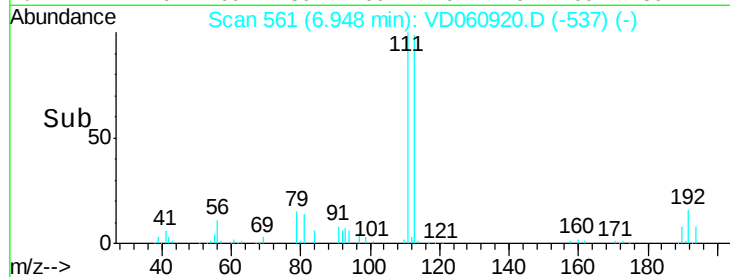
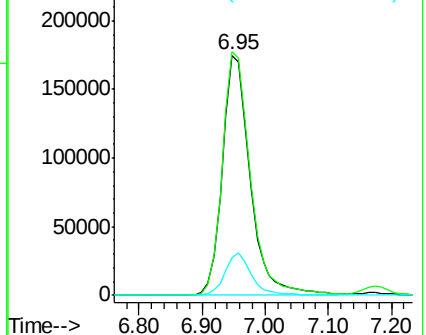
113 100

111 101.4 82.6 124.0

192 15.8 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: 19.930 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

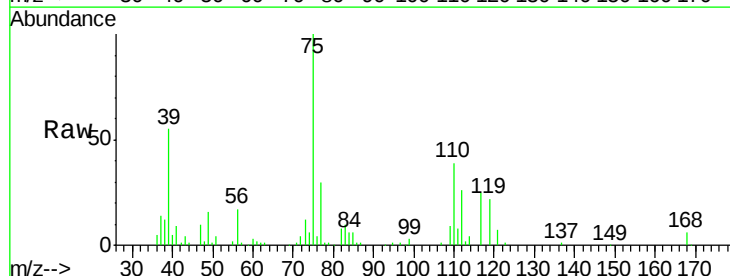
Tgt Ion: 75 Resp: 249828

Ion Ratio Lower Upper

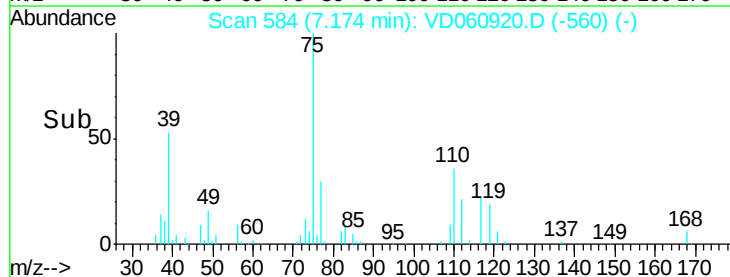
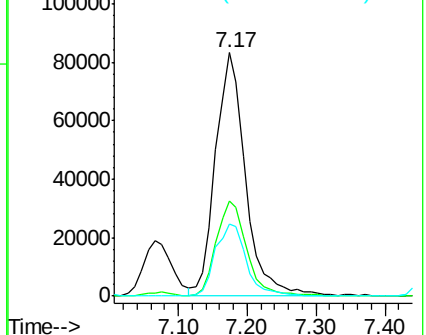
75 100

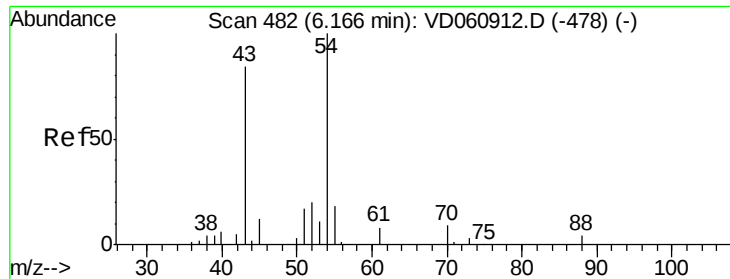
110 39.3 19.9 59.7

77 29.7 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

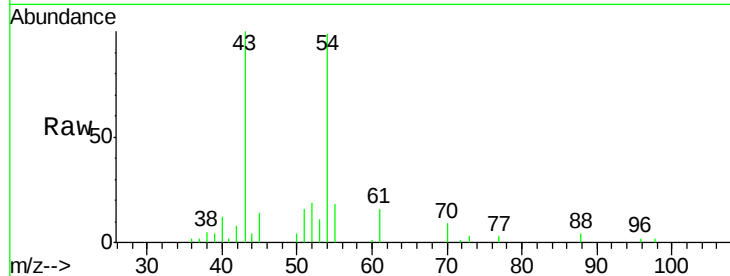




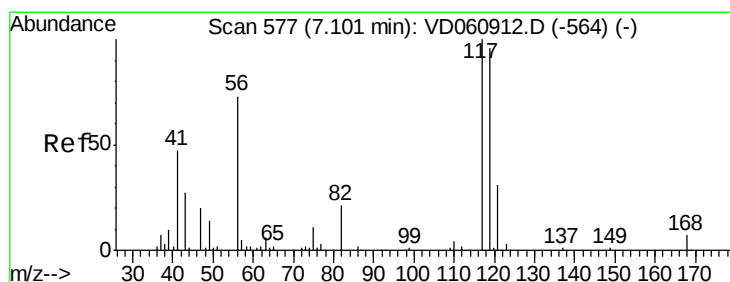
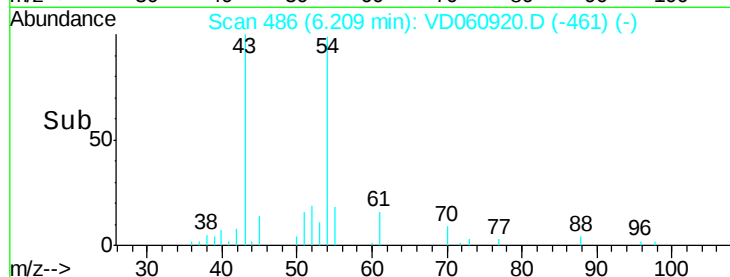
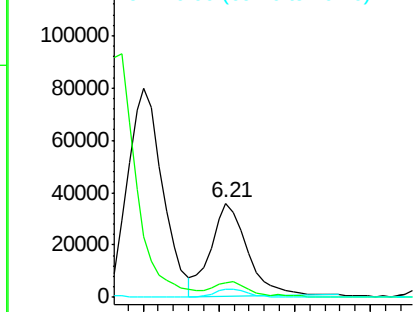
#37
Ethyl Acetate
Concen: 18.552 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion: 43 Resp: 119553
Ion Ratio Lower Upper
43 100
61 15.9 12.1 18.1
70 9.0 7.3 10.9

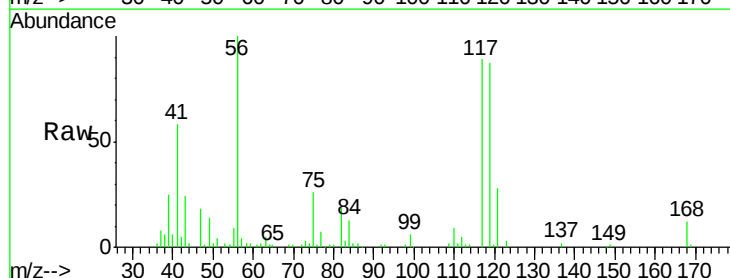


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

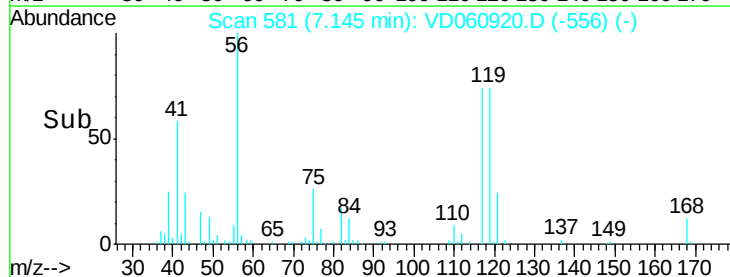
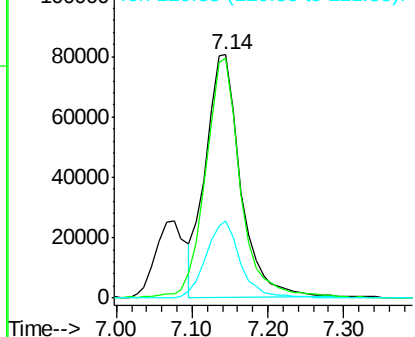


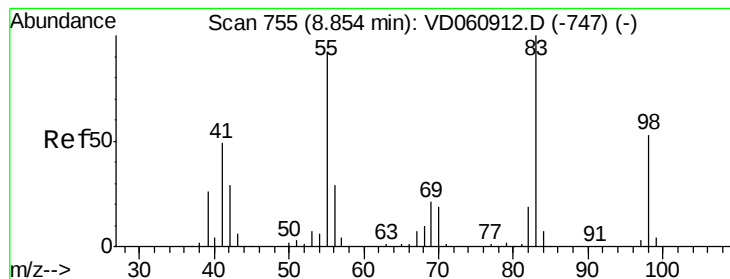
#38
Carbon Tetrachloride
Concen: 19.268 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 117 Resp: 259493
Ion Ratio Lower Upper
117 100
119 98.3 76.9 115.3
121 31.6 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

Methvlcvclohexane

Concen: 20.501 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

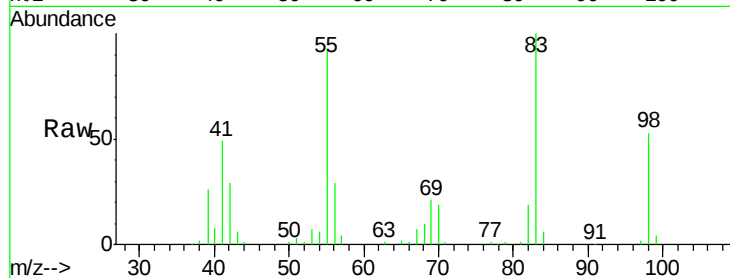
Tot Ion: 83 Resp: 280917

Ion Ratio Lower Upper

83 100

55 91.6 73.8 110.8

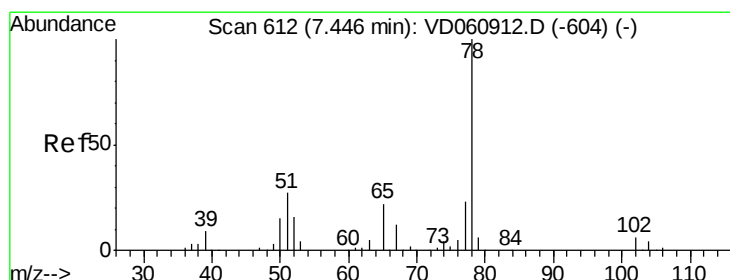
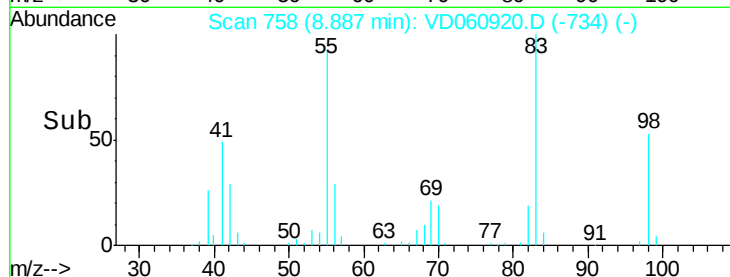
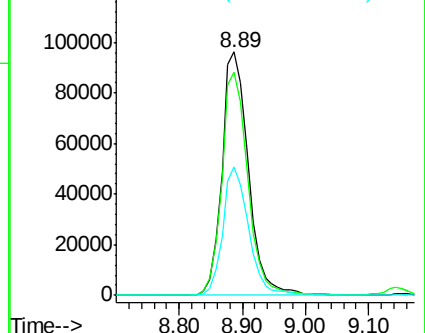
98 52.8 42.4 63.6



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: 21.653 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD060920.D

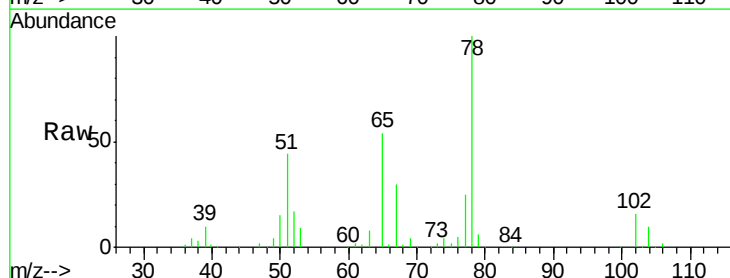
Acq: 4 Mar 2019 13:41

Tgt Ion: 78 Resp: 691257

Ion Ratio Lower Upper

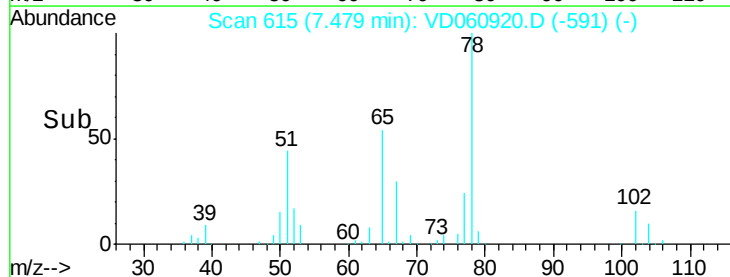
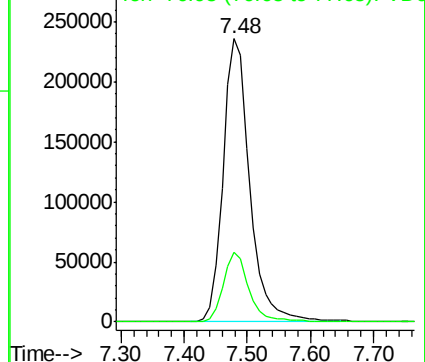
78 100

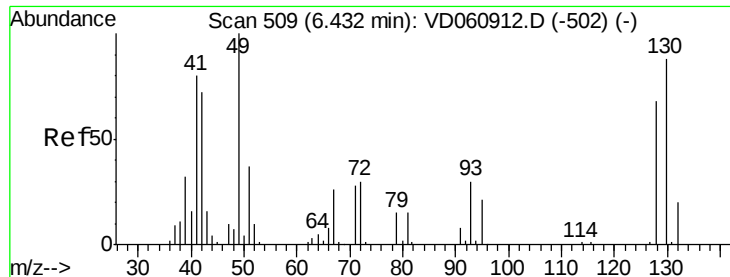
77 24.6 18.4 27.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

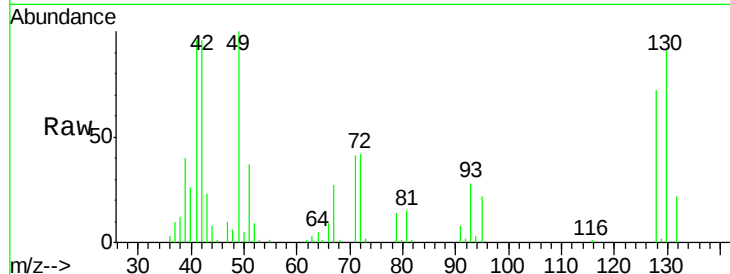




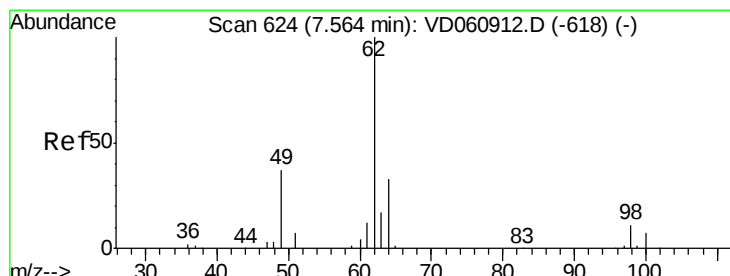
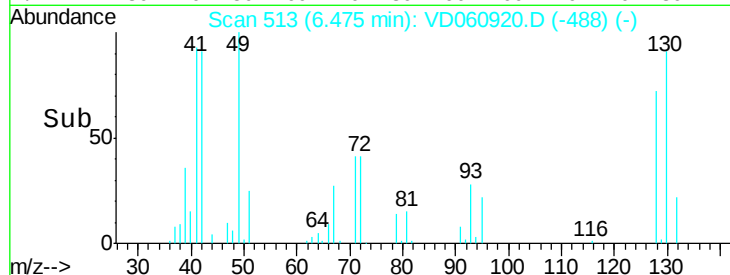
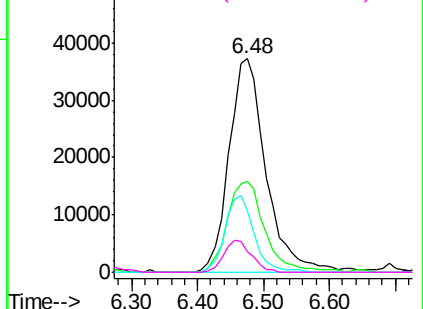
#41
Methacrylonitrile
Concen: 36.261 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion: 41 Resp: 145982
Ion Ratio Lower Upper
41 100
39 42.4 32.1 48.1
67 28.8 25.6 38.4
52 9.8 9.7 14.5

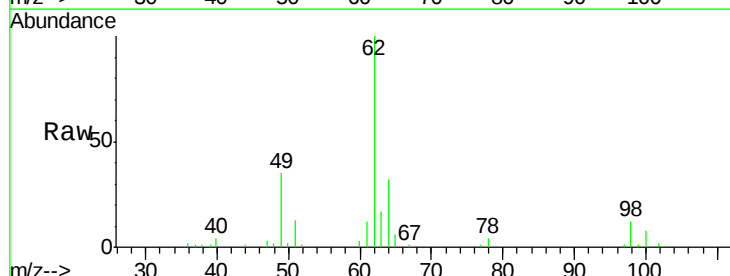


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

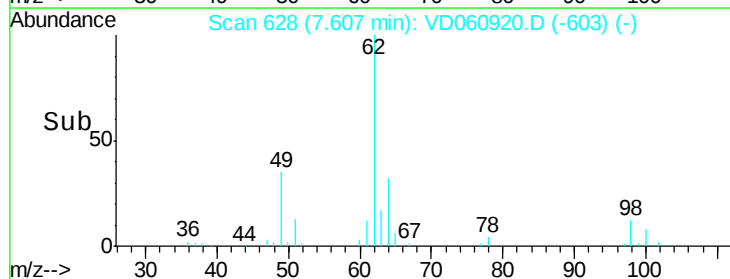
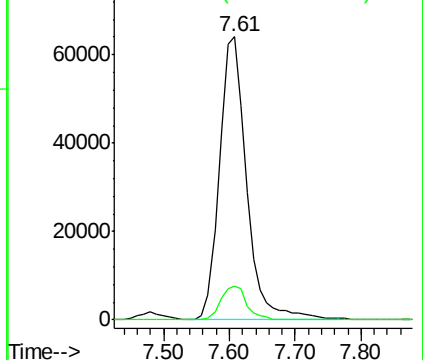


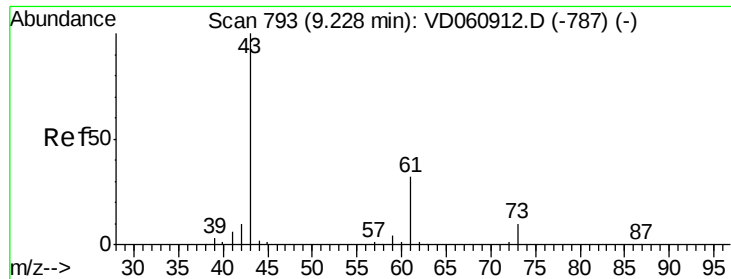
#42
1,2-Dichloroethane
Concen: 20.536 ug/l
RT: 7.61 min Scan# 628
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 62 Resp: 184467
Ion Ratio Lower Upper
62 100
98 12.1 0.0 21.4



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



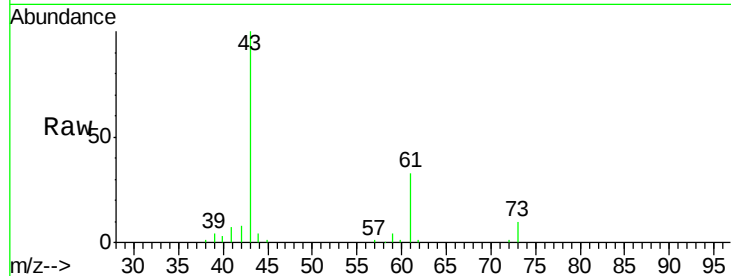


#43

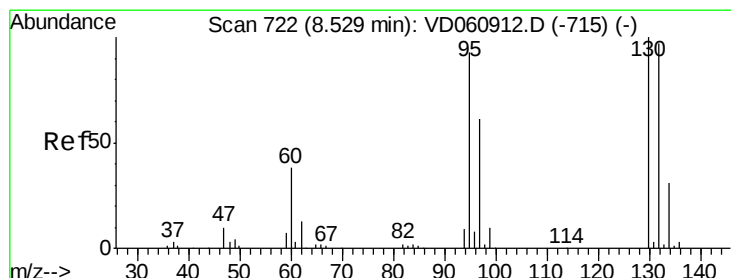
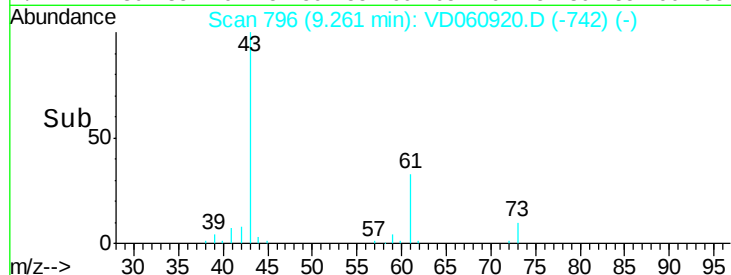
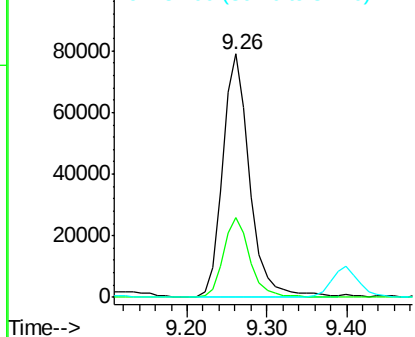
Isopropyl Acetate
 Concen: 20.983 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion: 43 Resp: 188528
 Ion Ratio Lower Upper
 43 100
 61 32.6 25.6 38.4
 87 0.0 0.2 0.4#



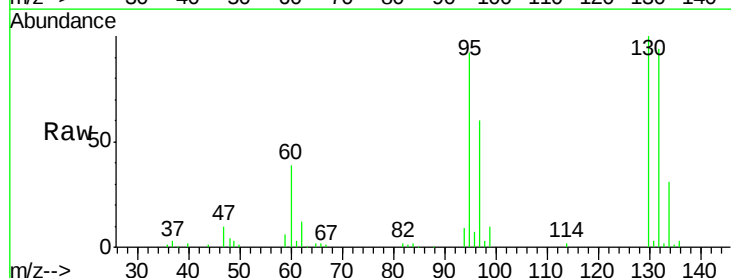
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



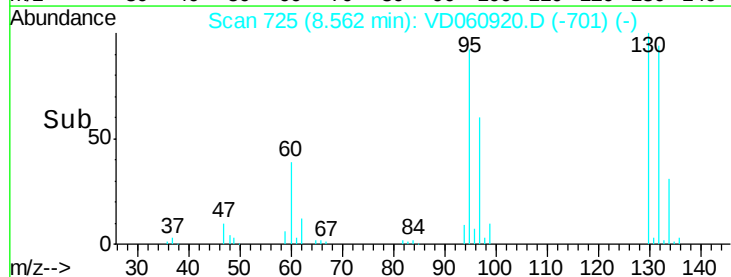
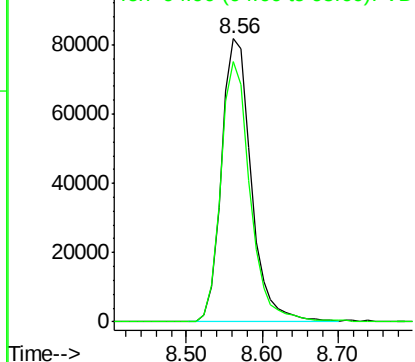
#44

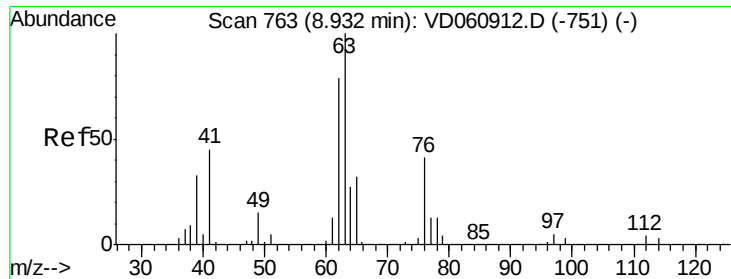
Trichloroethene
 Concen: 20.331 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion: 130 Resp: 222283
 Ion Ratio Lower Upper
 130 100
 95 91.9 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: 20.029 ug/l

RT: 8.97 min Scan# 766

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

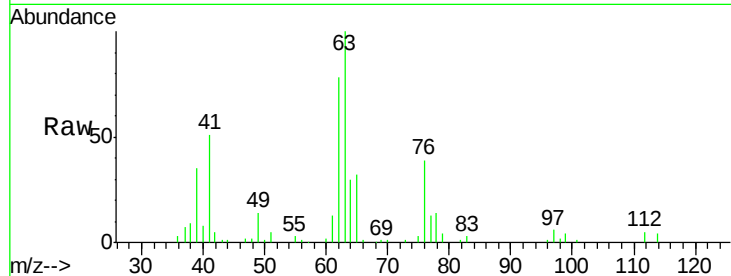
VD0304SBSD01

Tot Ion: 63 Resp: 169282

Ion Ratio Lower Upper

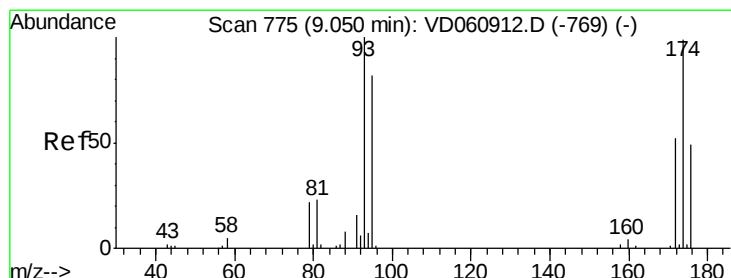
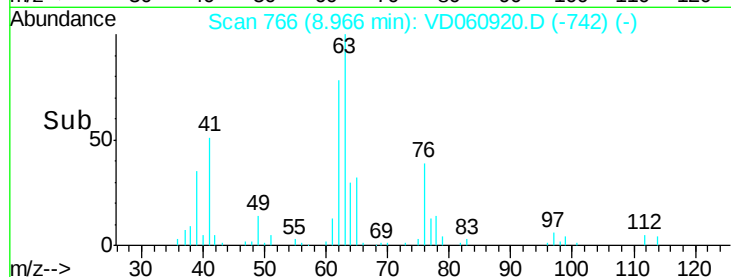
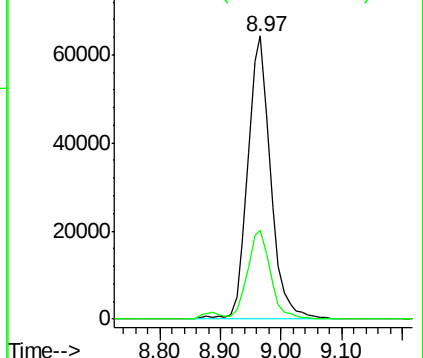
63 100

65 31.6 25.8 38.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.677 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

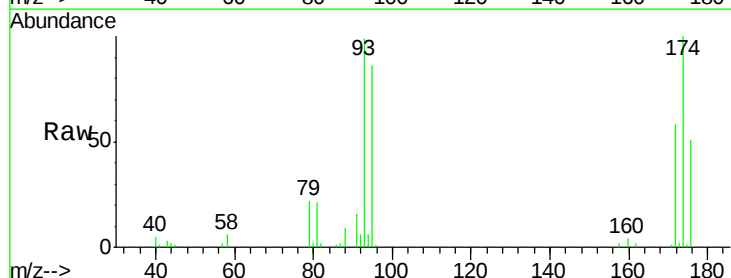
Tgt Ion: 93 Resp: 107272

Ion Ratio Lower Upper

93 100

95 86.5 65.8 98.6

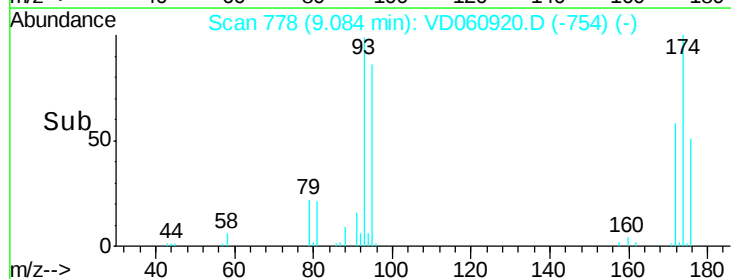
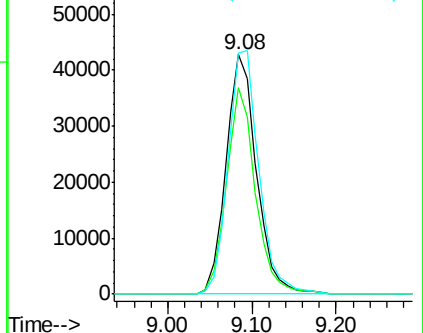
174 100.9 79.5 119.3

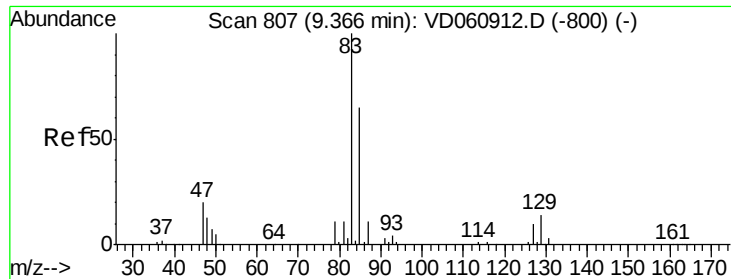


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.860 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

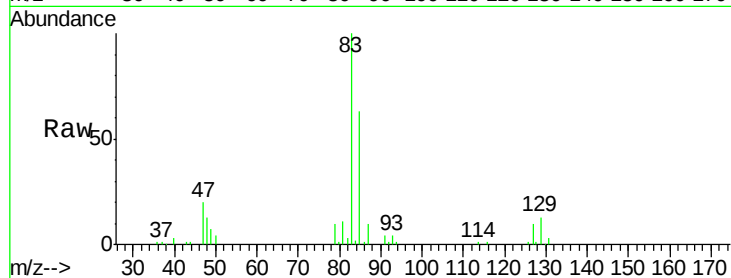
Tot Ion: 83 Resp: 236169

Ion Ratio Lower Upper

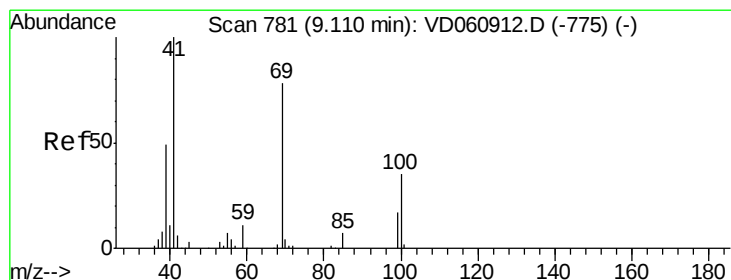
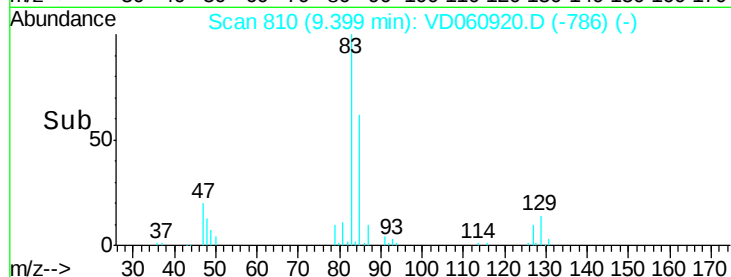
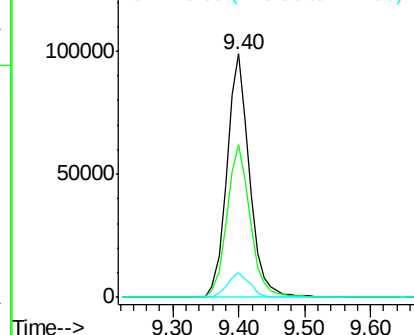
83 100

85 62.6 52.2 78.4

127 10.4 8.2 12.4



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



#48

Methyl methacrylate

Concen: 19.196 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

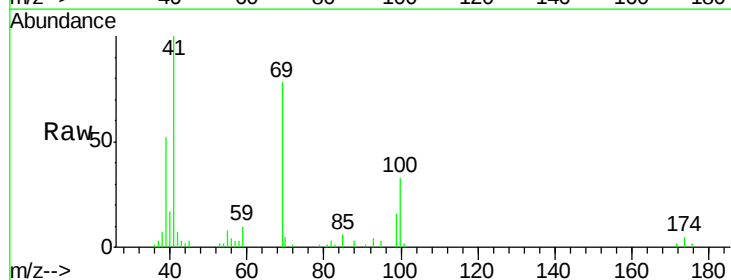
Tgt Ion: 41 Resp: 96898

Ion Ratio Lower Upper

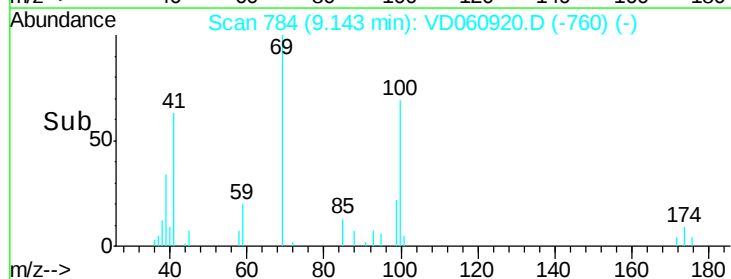
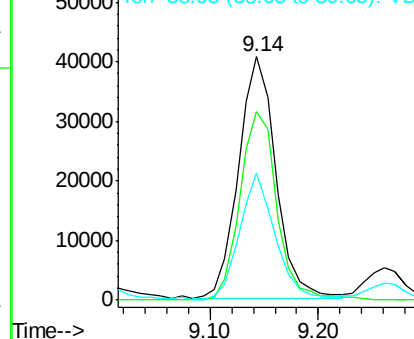
41 100

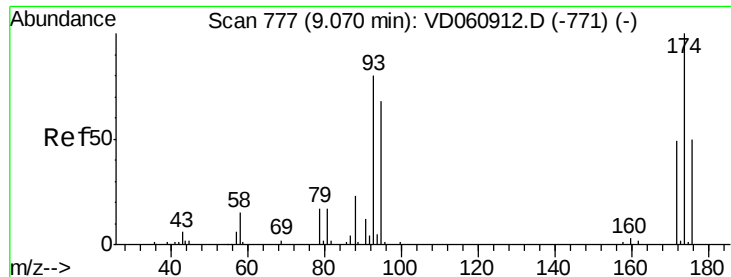
69 77.6 62.1 93.1

39 52.0 39.5 59.3



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

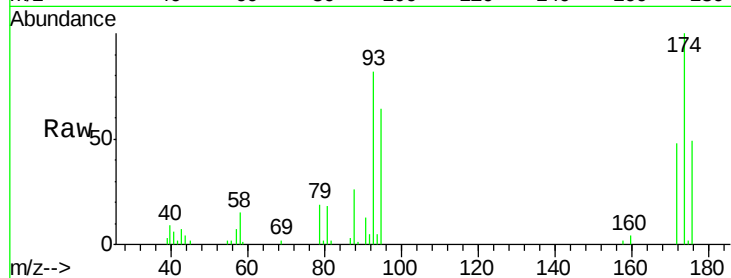




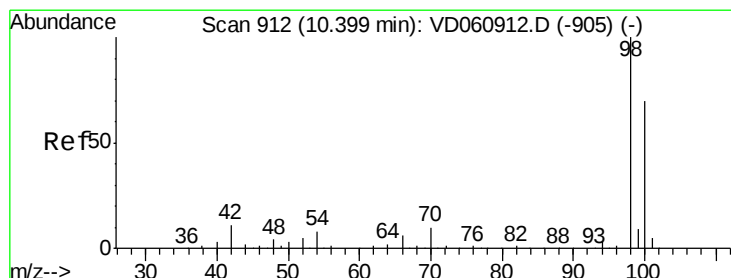
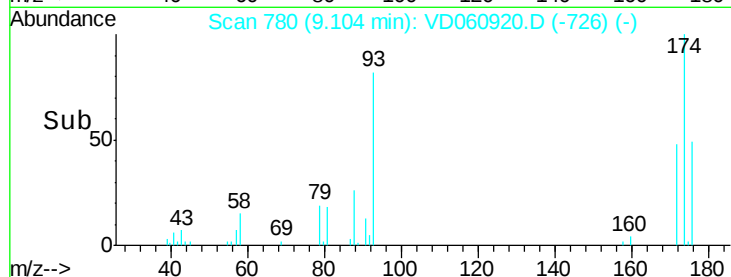
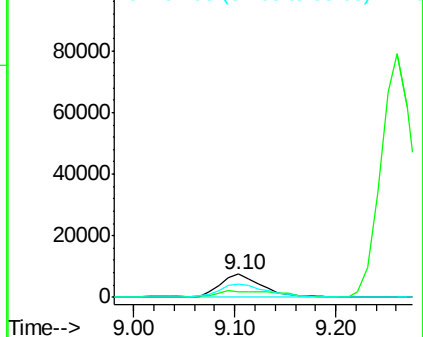
#49
 1,4-Dioxane
 Concen: 412.263 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion: 88 Resp: 21786
 Ion Ratio Lower Upper
 88 100
 43 25.1 24.2 36.4
 58 57.2 51.1 76.7

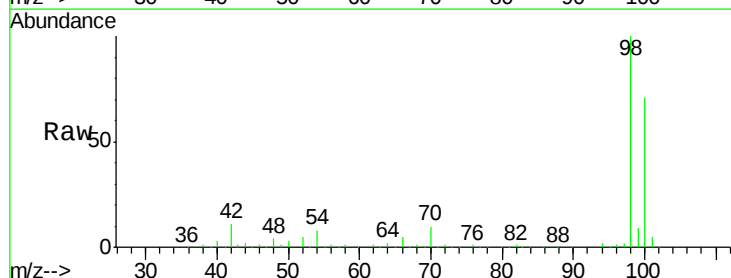


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

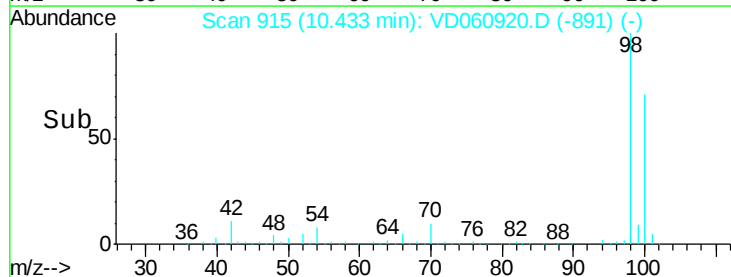
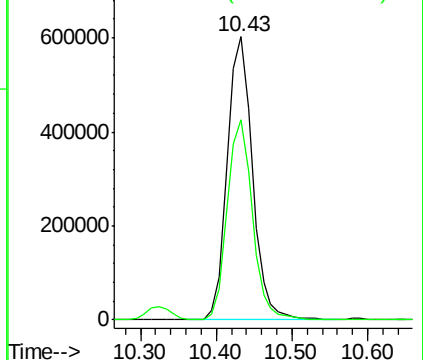


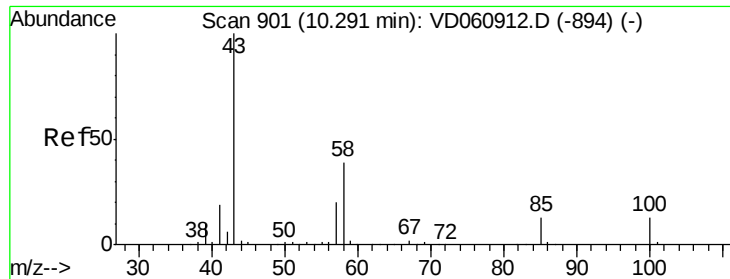
#50
 Toluene-d8
 Concen: 412.263 ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion: 98 Resp: 1388413
 Ion Ratio Lower Upper
 98 100
 100 70.8 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: 98.094 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

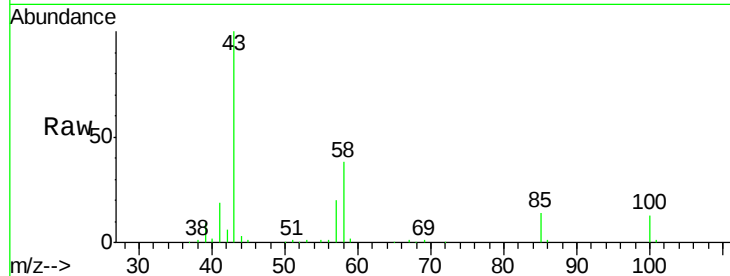
VD0304SBS01

Tot Ion: 43 Resp: 536600

Ion Ratio Lower Upper

43 100

58 38.3 31.0 46.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

250000

200000

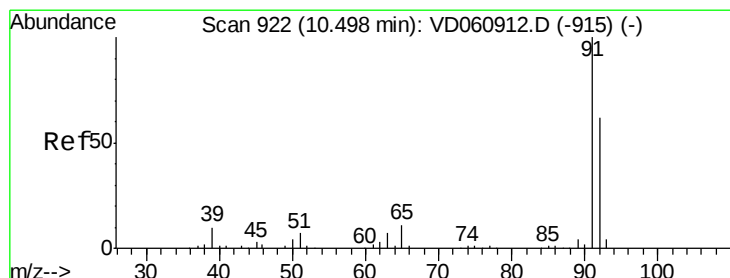
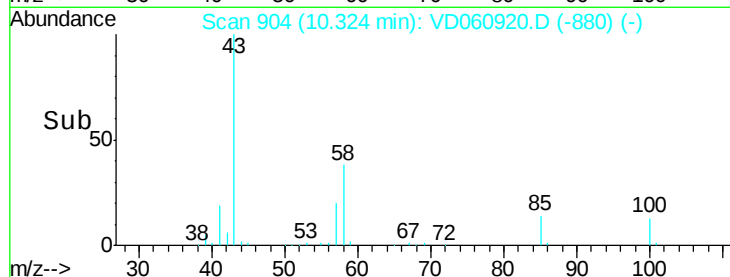
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 19.201 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD060920.D

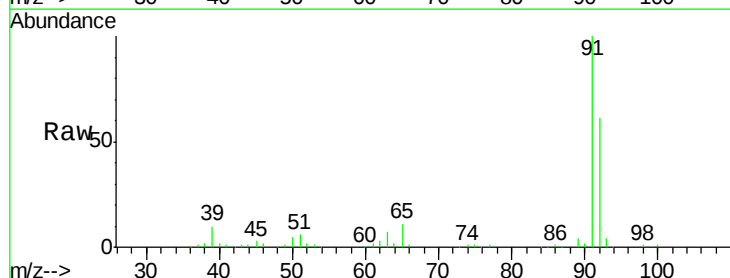
Acq: 4 Mar 2019 13:41

Tgt Ion: 92 Resp: 393821

Ion Ratio Lower Upper

92 100

91 164.3 129.9 194.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

300000

250000

200000

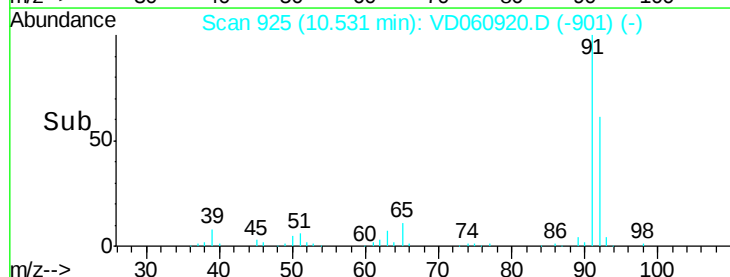
150000

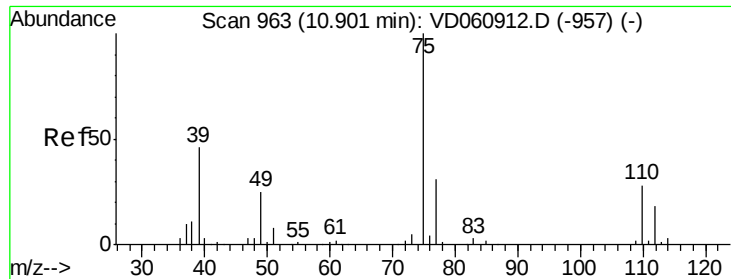
100000

50000

0

Time--> 10.40 10.50 10.60 10.70

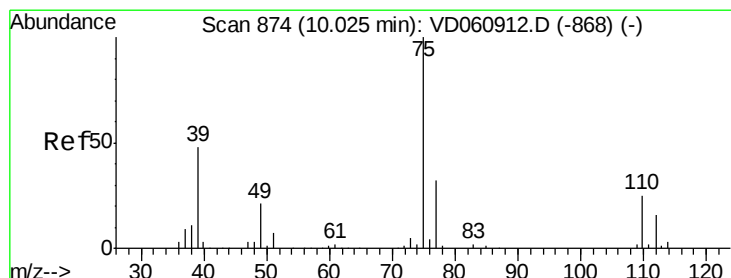
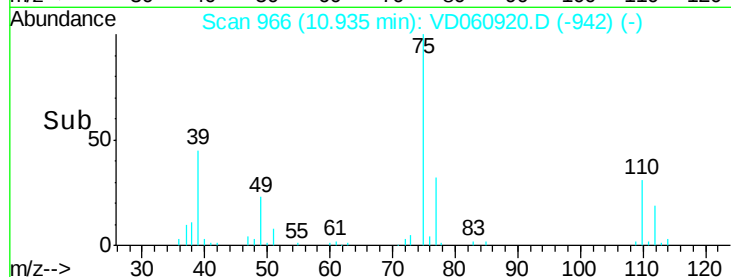
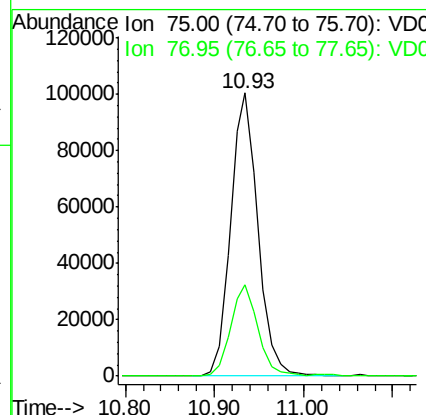
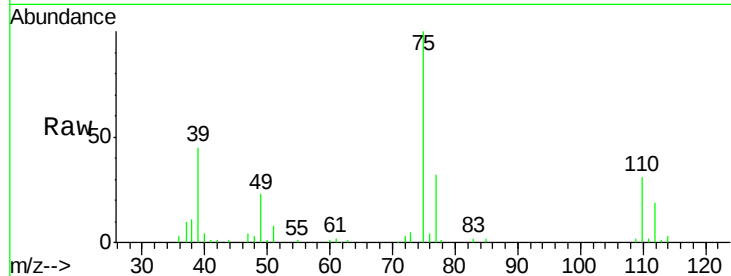




#53
 t-1,3-Dichloropropene
 Concen: 19.712 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

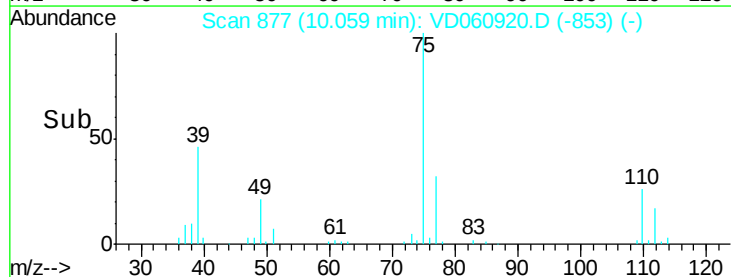
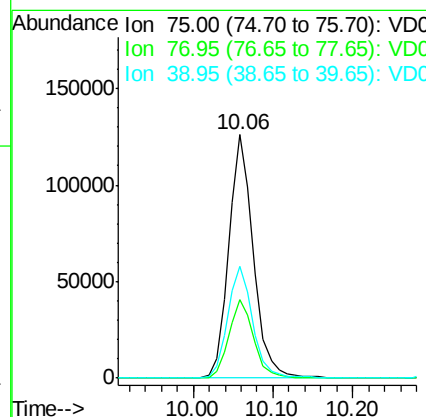
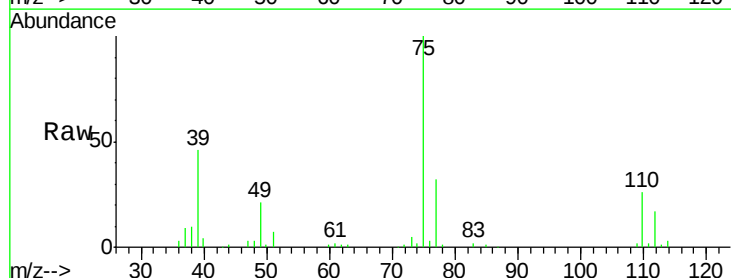
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

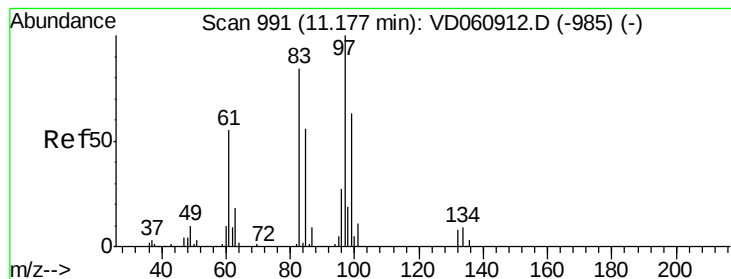
Tot Ion: 75 Resp: 215707
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.153 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion: 75 Resp: 273465
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.3 37.9
 39 45.8 38.2 57.4





#55

1,1,2-Trichloroethane

Concen: 20.214 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion: 97 Resp: 137105

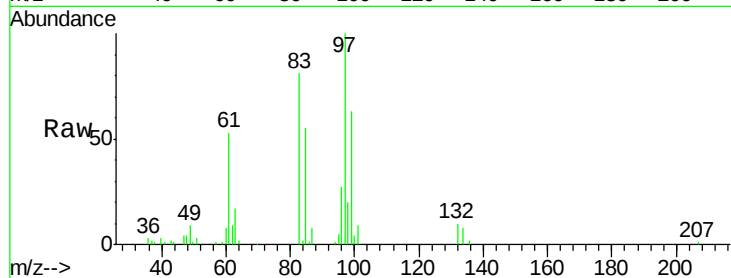
Ion Ratio Lower Upper

97 100

83 81.1 67.5 101.3

85 55.0 44.9 67.3

99 62.8 50.6 76.0

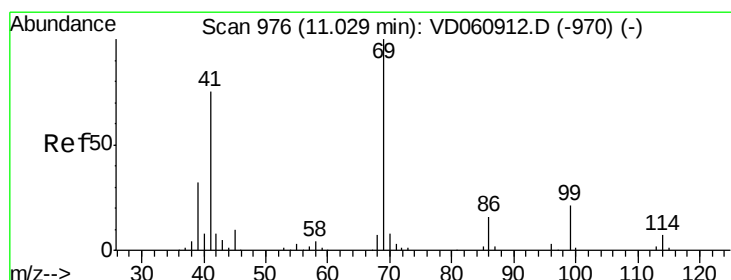
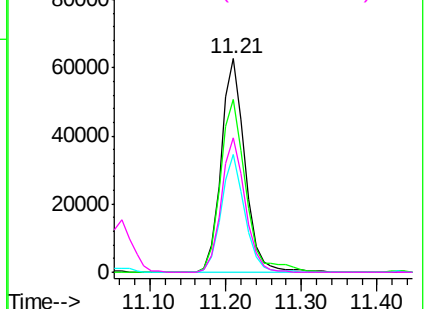
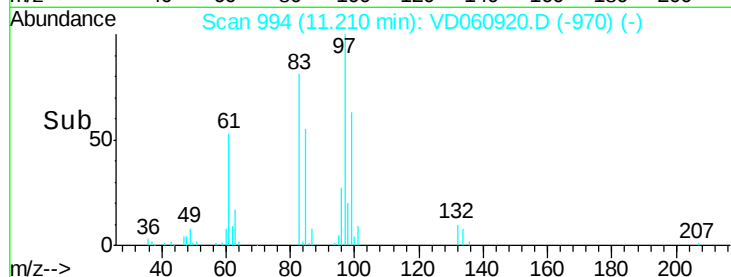


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.210 ug/l

RT: 11.06 min Scan# 979

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

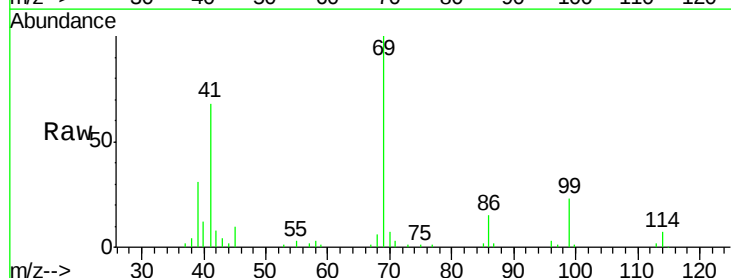
Tgt Ion: 69 Resp: 138129

Ion Ratio Lower Upper

69 100

41 68.1 59.9 89.9

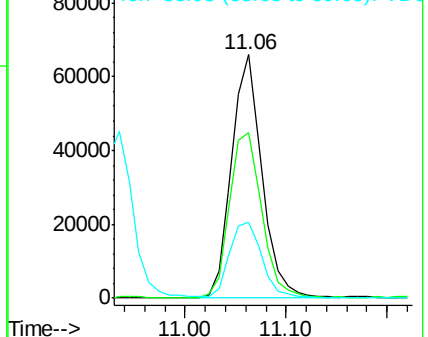
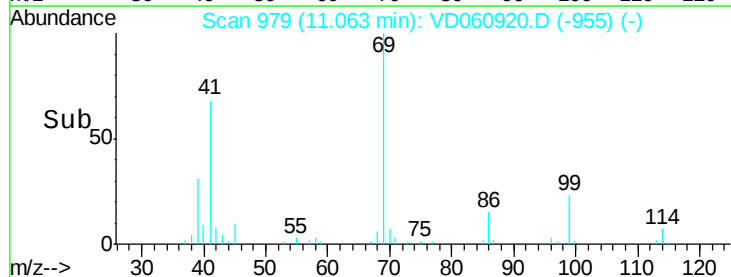
39 31.1 25.7 38.5

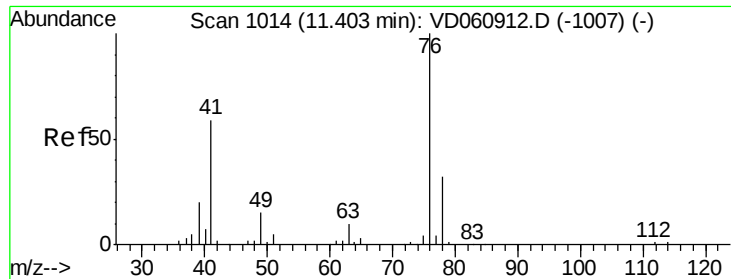


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.677 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

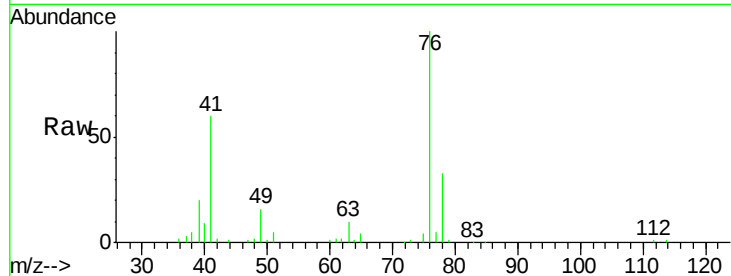
VD0304SBSD01

Tot Ion: 76 Resp: 203907

Ion Ratio Lower Upper

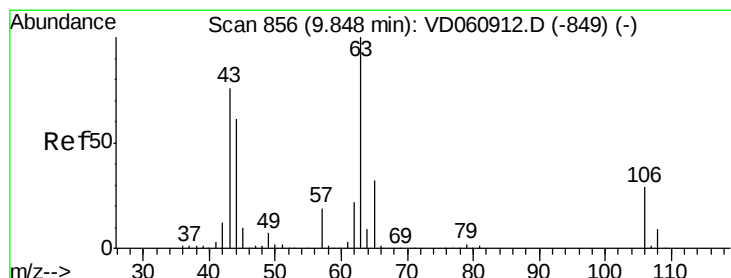
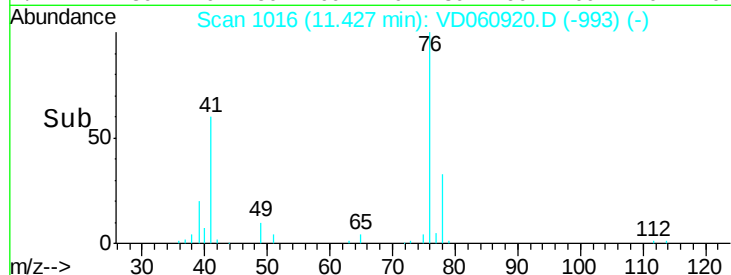
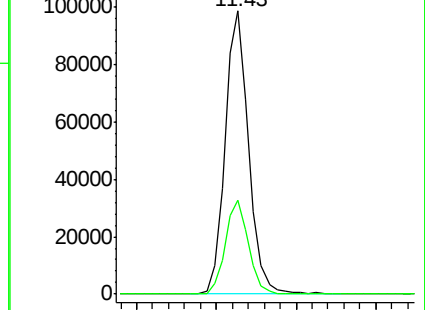
76 100

78 33.2 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: 99.747 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.03 min

Lab File: VD060920.D

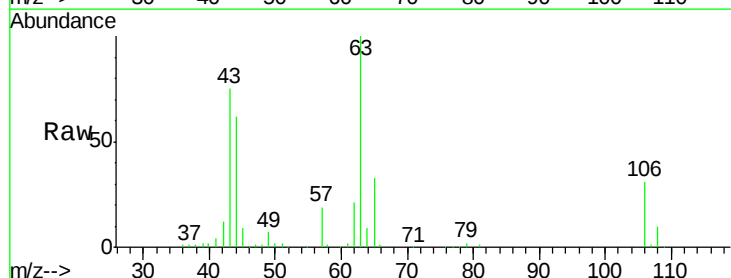
Acq: 4 Mar 2019 13:41

Tgt Ion: 63 Resp: 383054

Ion Ratio Lower Upper

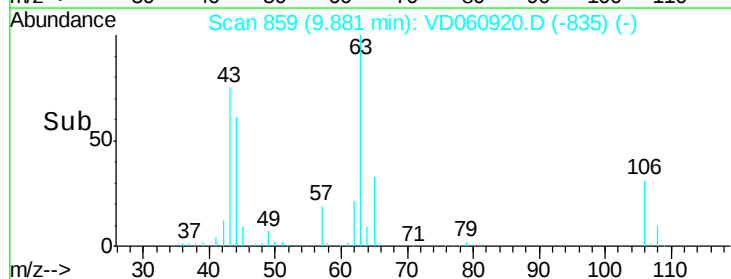
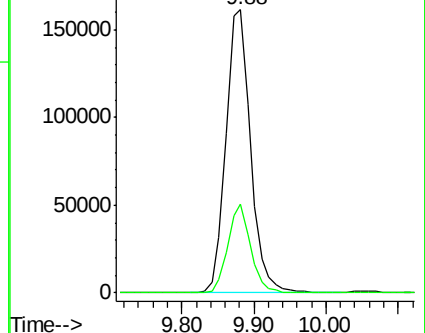
63 100

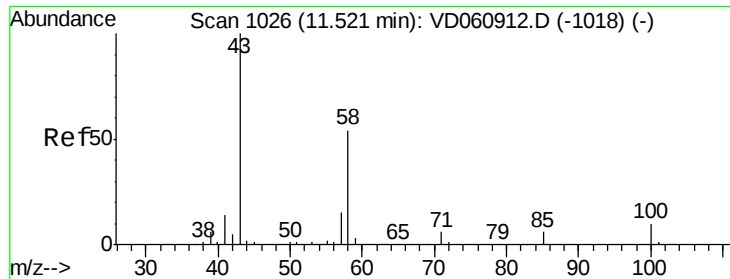
106 31.4 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

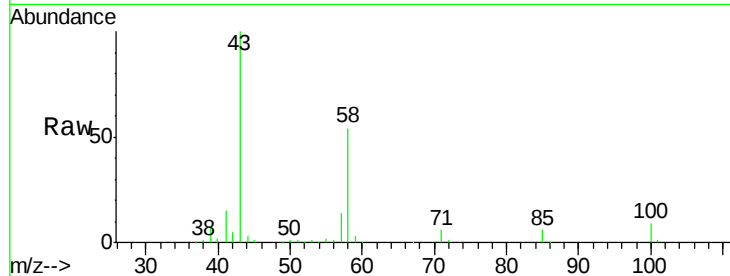




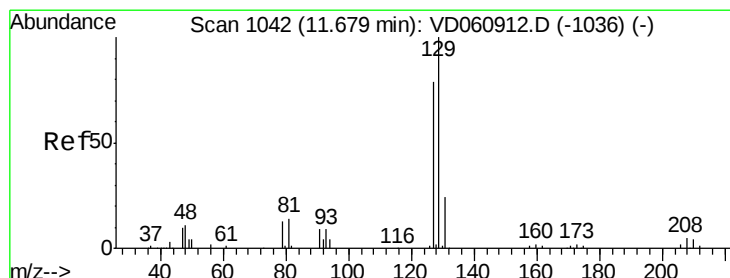
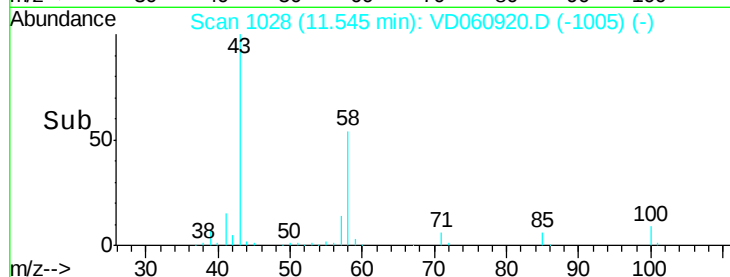
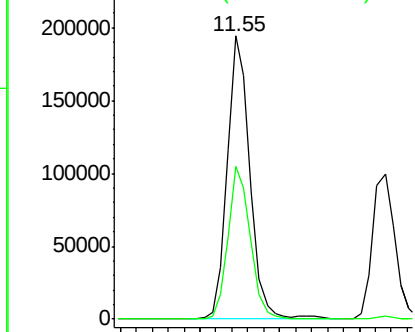
#59
2-Hexanone
Concen: 101.343 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion: 43 Resp: 388614
Ion Ratio Lower Upper
43 100
58 53.9 27.2 81.5

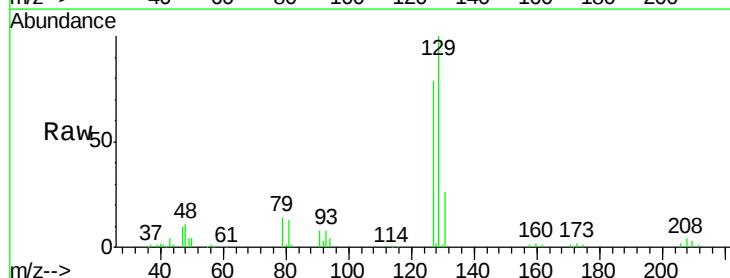


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

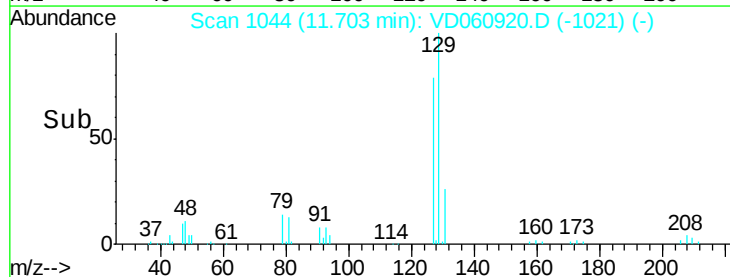
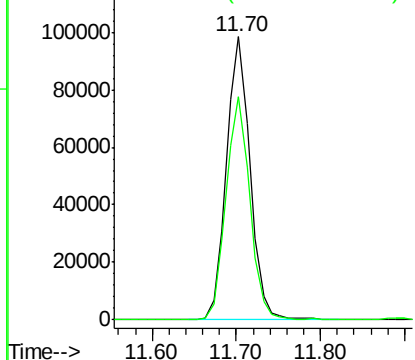


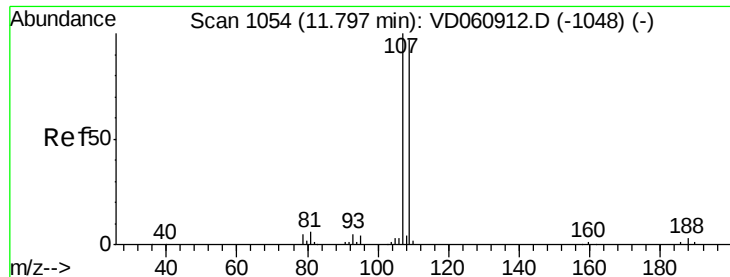
#60
Dibromochloromethane
Concen: 19.638 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 129 Resp: 192111
Ion Ratio Lower Upper
129 100
127 78.9 39.4 118.1



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

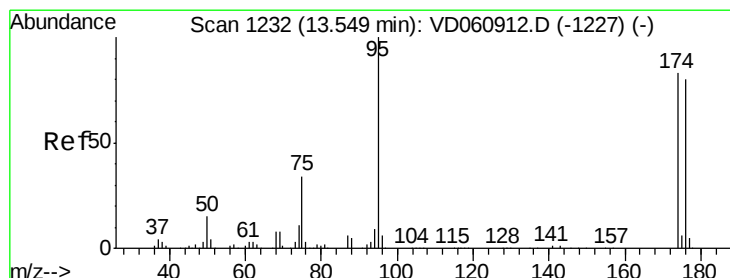
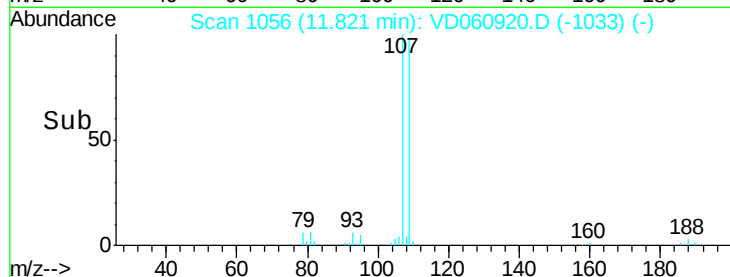
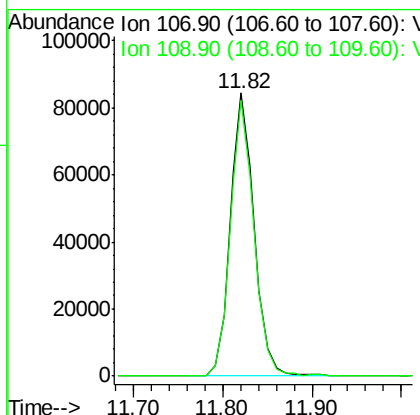
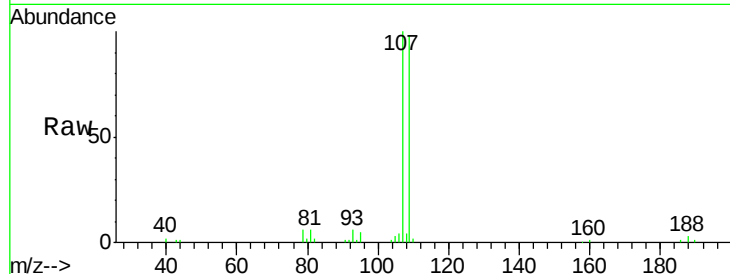




#61
 1,2-Dibromoethane
 Concen: 19.890 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

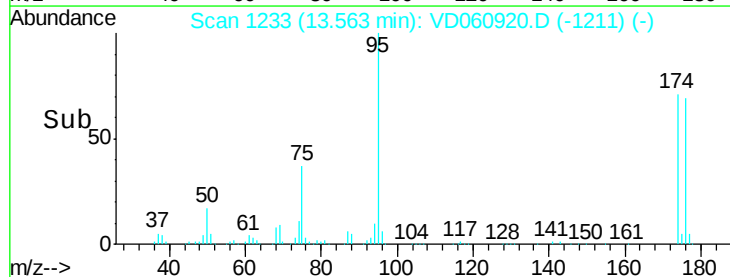
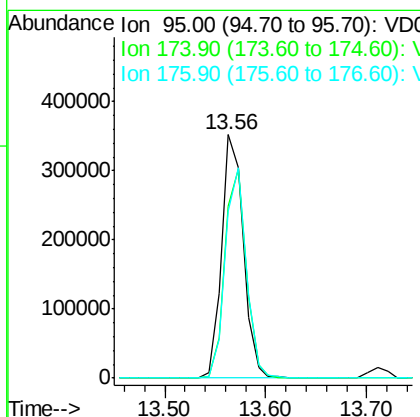
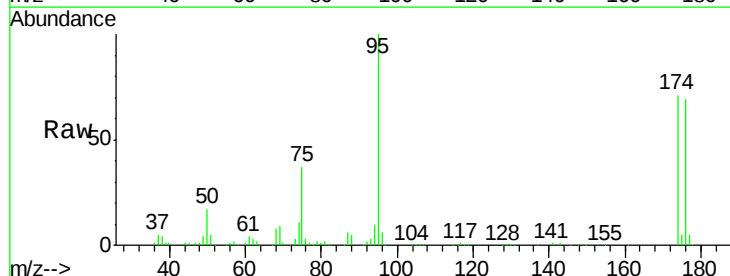
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

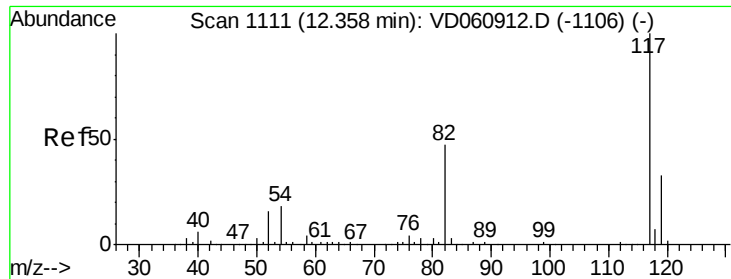
Tot Ion: 107 Resp: 158490
 Ion Ratio Lower Upper
 107 100
 109 97.6 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 19.890 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion: 95 Resp: 530440
 Ion Ratio Lower Upper
 95 100
 174 70.8 0.0 165.6
 176 68.7 0.0 160.6

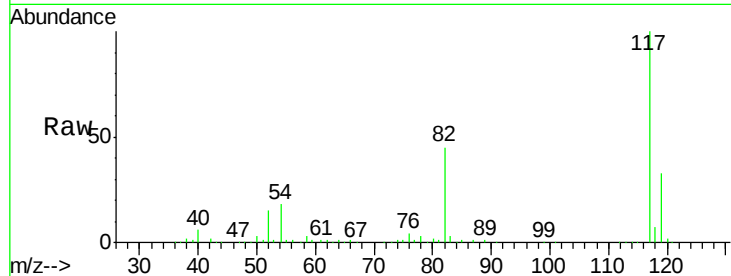




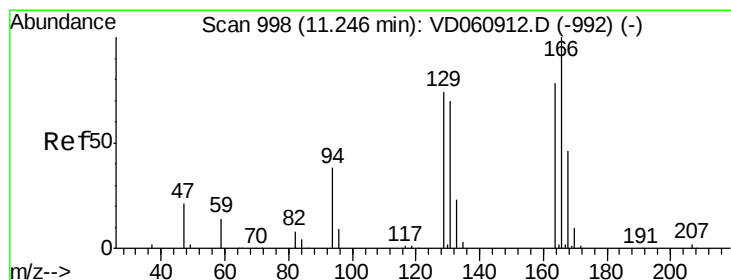
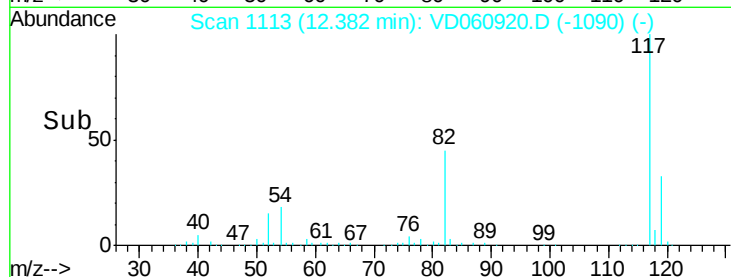
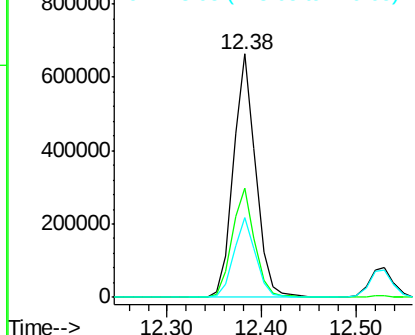
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion:117 Resp: 1078334
Ion Ratio Lower Upper
117 100
82 44.7 37.5 56.3
119 33.0 26.2 39.2

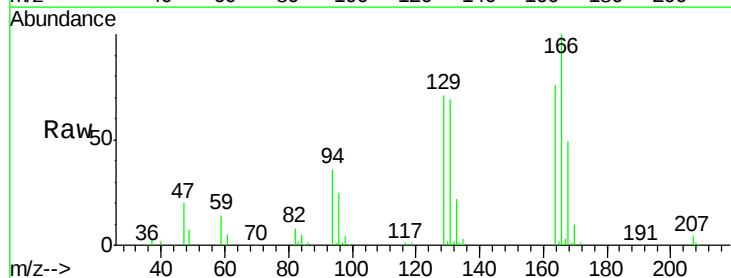


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

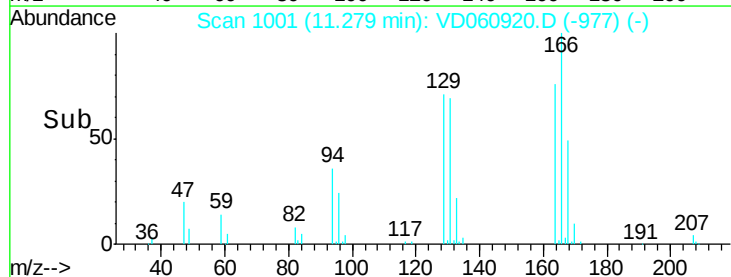
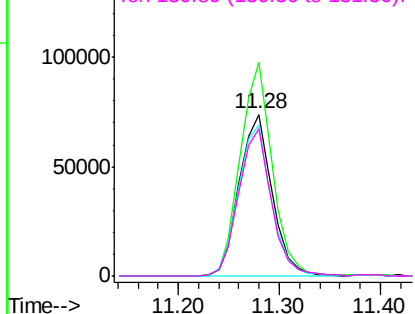


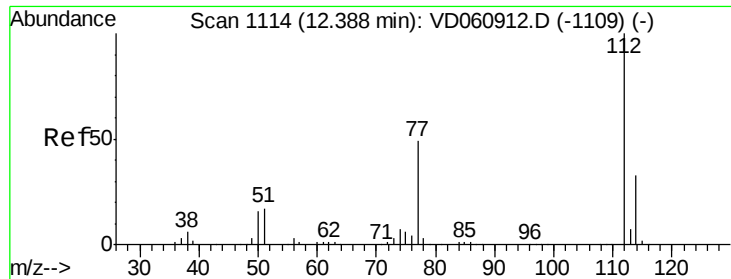
#64
Tetrachloroethene
Concen: 20.268 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion:164 Resp: 167301
Ion Ratio Lower Upper
164 100
166 131.9 102.3 153.5
129 93.5 75.6 113.4
131 91.1 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

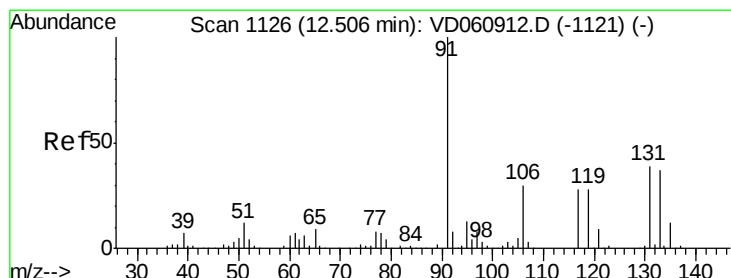
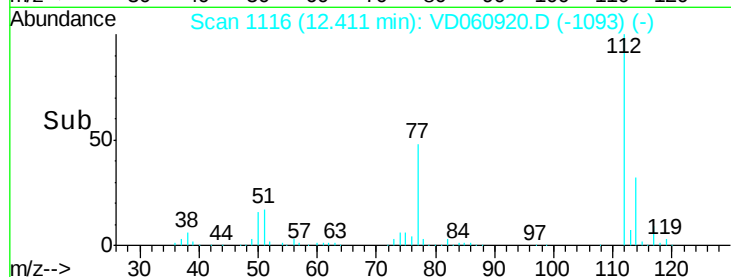
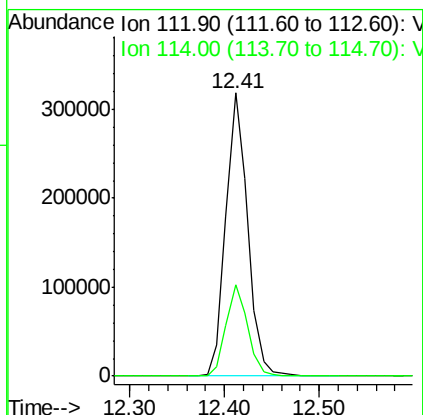
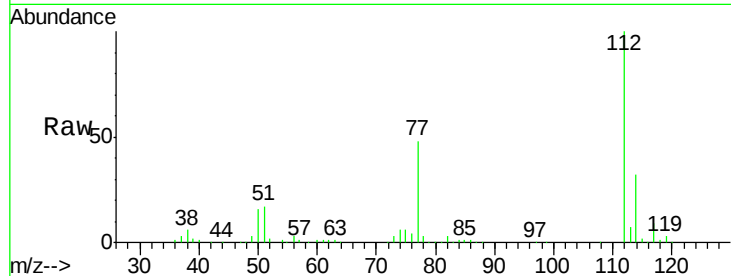




#65
Chlorobenzene
Concen: 21.149 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

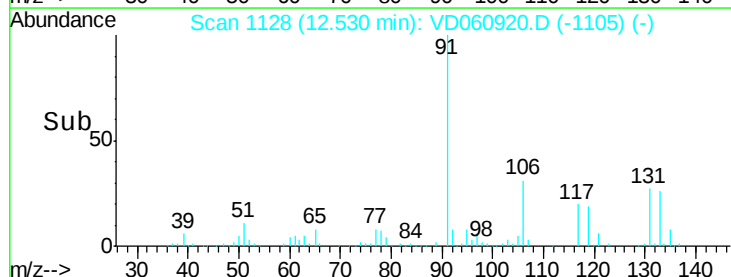
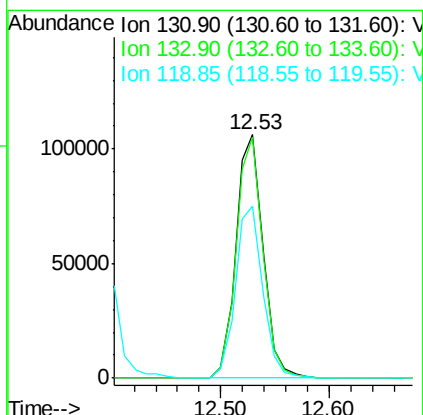
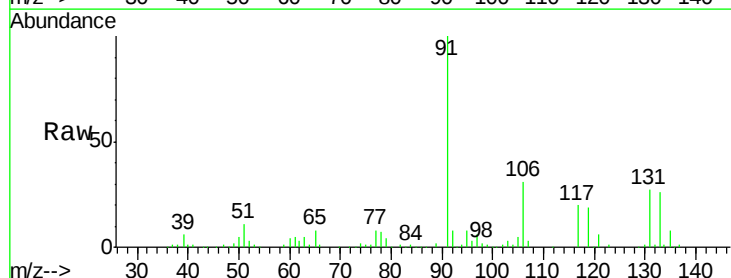
Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

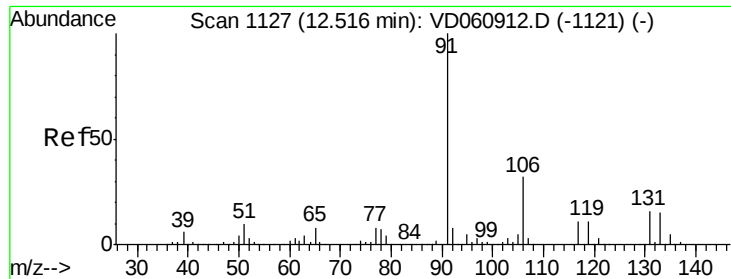
Tot Ion:112 Resp: 507734
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.372 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion:131 Resp: 184128
Ion Ratio Lower Upper
131 100
133 98.8 47.4 142.3
119 70.8 36.0 108.1

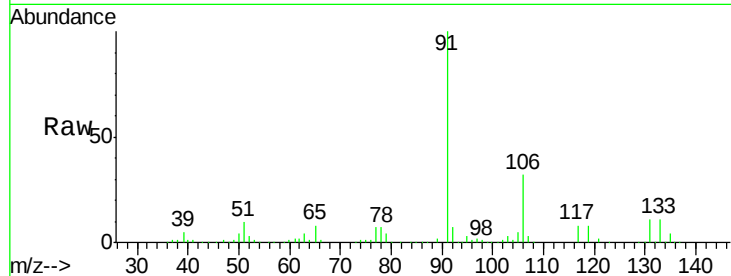




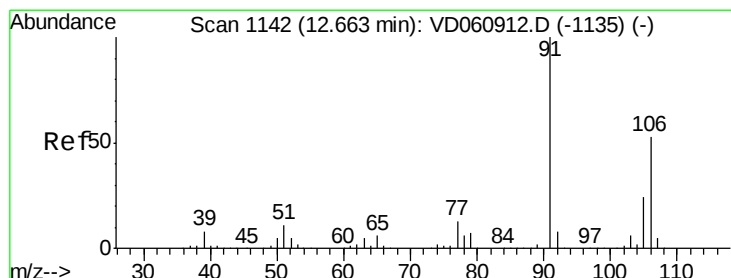
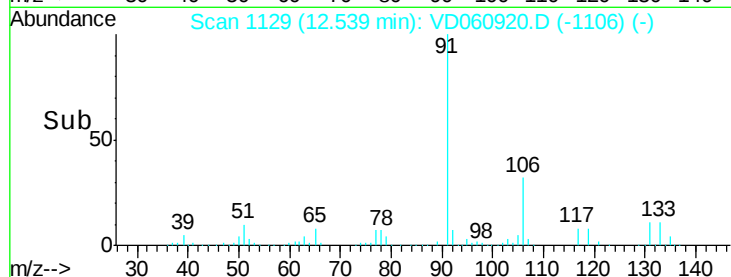
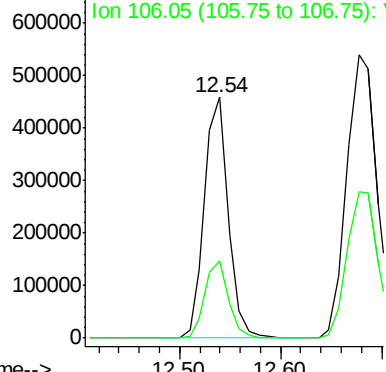
#67
Ethyl Benzene
Concen: 21.554 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion: 91 Resp: 753460
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.6

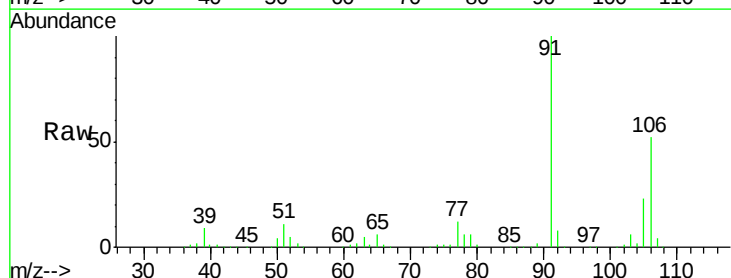


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

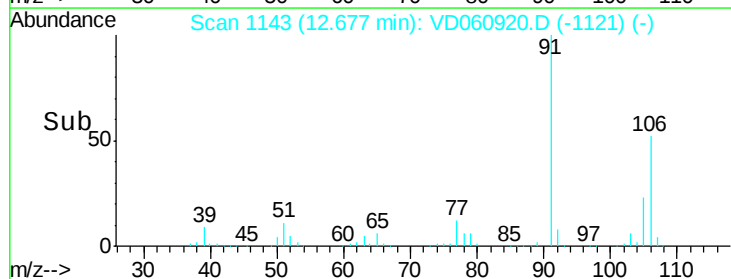
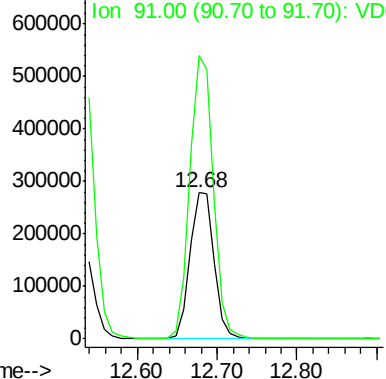


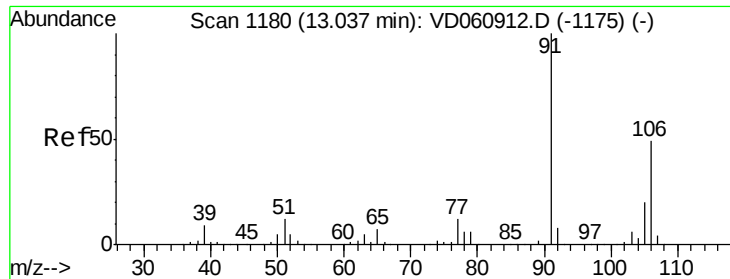
#68
m/p-Xylenes
Concen: 42.630 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 106 Resp: 595389
Ion Ratio Lower Upper
106 100
91 193.7 150.2 225.4



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

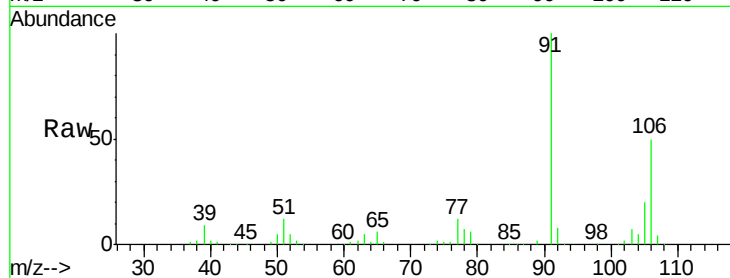




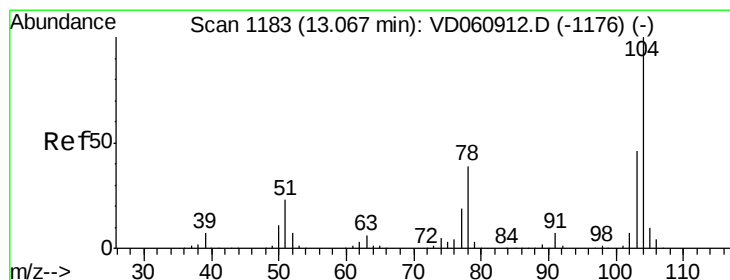
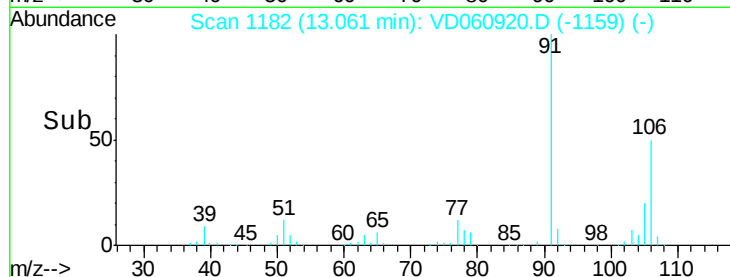
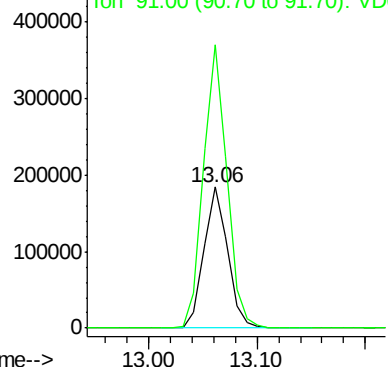
#69
o-Xylene
Concen: 21.392 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion:106 Resp: 280644
Ion Ratio Lower Upper
106 100
91 200.9 102.9 308.7

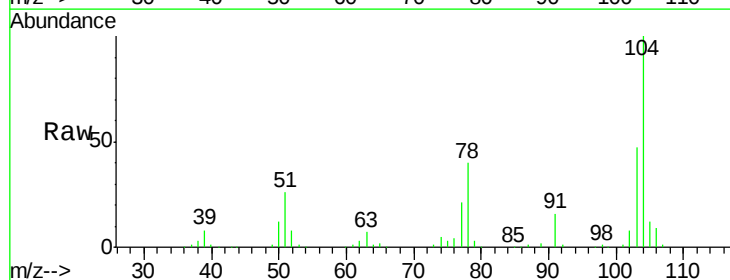


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

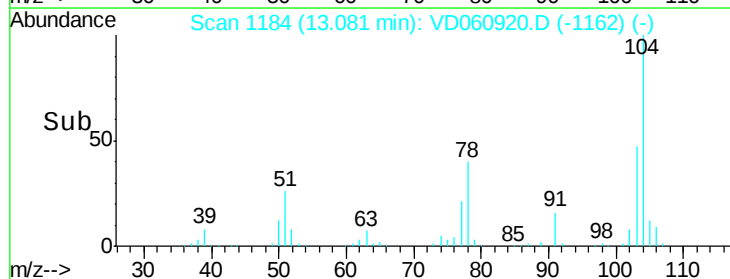
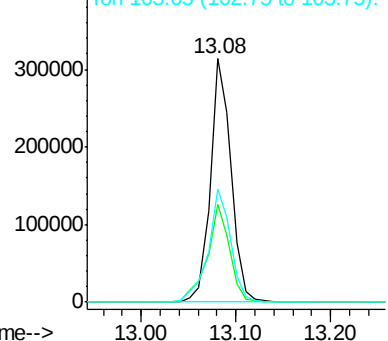


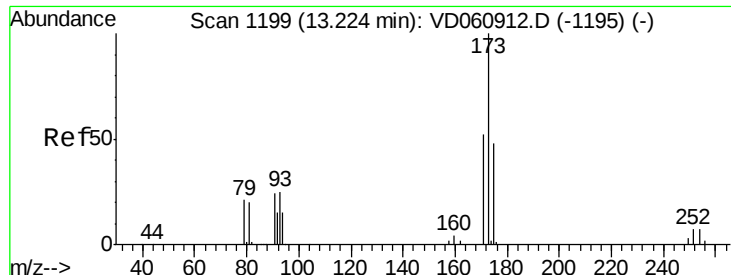
#70
Styrene
Concen: 21.568 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion:104 Resp: 472103
Ion Ratio Lower Upper
104 100
78 40.3 31.0 46.4
103 46.6 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: 20.800 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

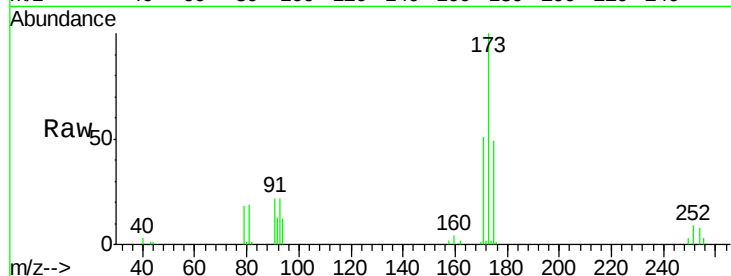
Tot Ion:173 Resp: 113420

Ion Ratio Lower Upper

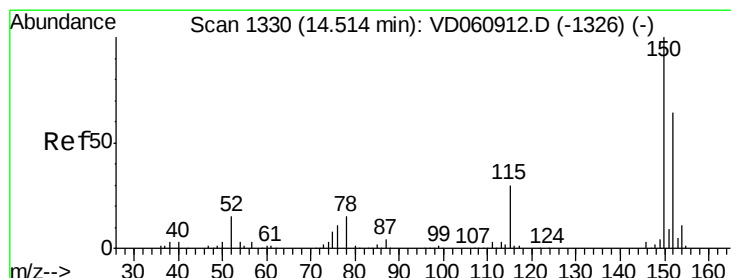
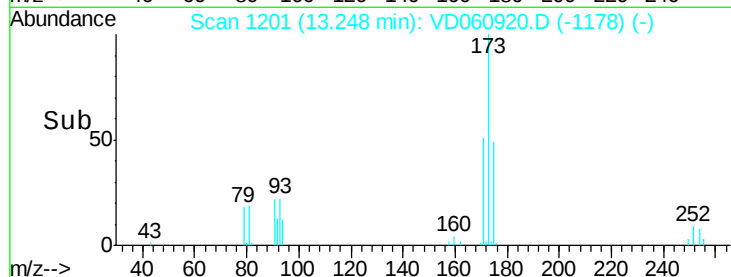
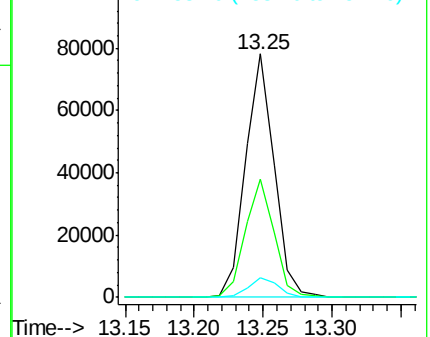
173 100

175 48.5 24.1 72.3

254 7.9 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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

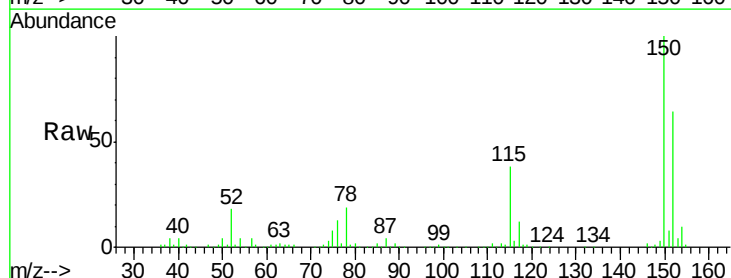
Tgt Ion:152 Resp: 473071

Ion Ratio Lower Upper

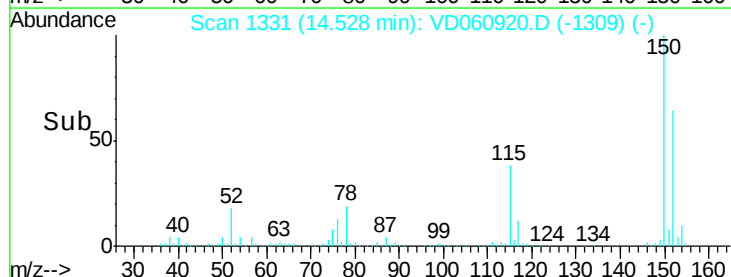
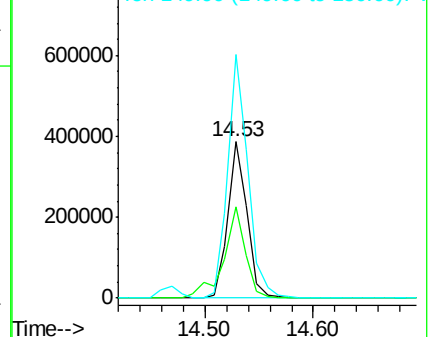
152 100

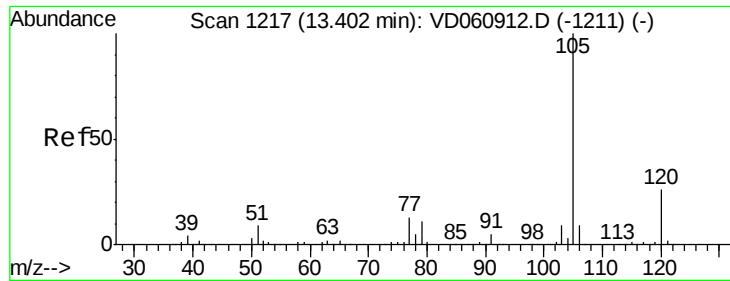
115 58.5 27.6 82.8

150 155.8 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: 20.527 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

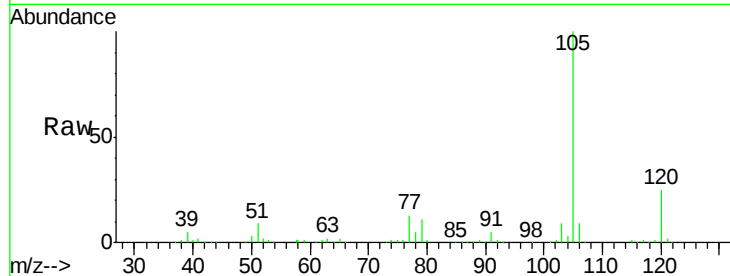
VD0304SBS01

Tot Ion:105 Resp: 750266

Ion Ratio Lower Upper

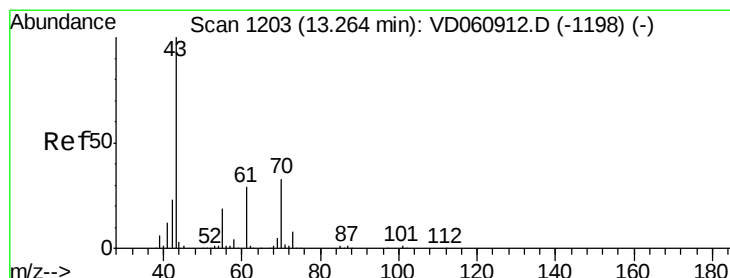
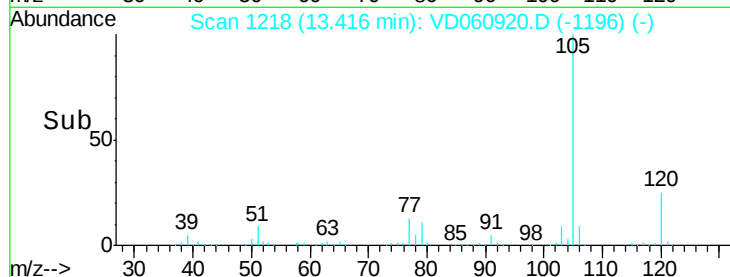
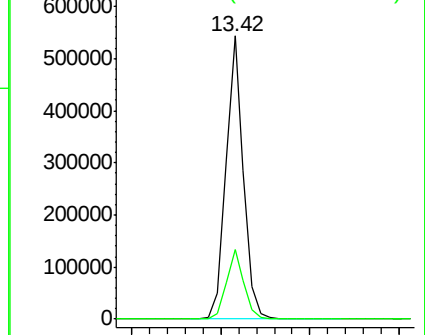
105 100

120 24.6 12.9 38.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.702 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion: 43 Resp: 226028

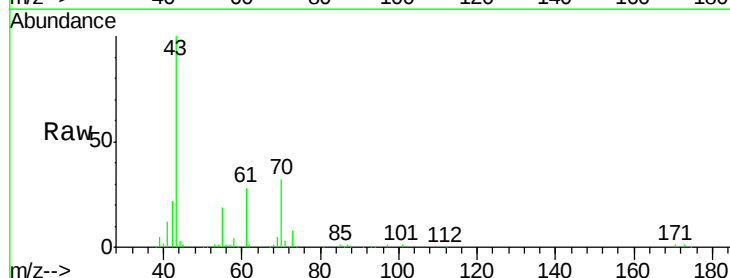
Ion Ratio Lower Upper

43 100

70 32.1 26.3 39.5

55 19.2 15.4 23.2

61 28.0 23.4 35.0

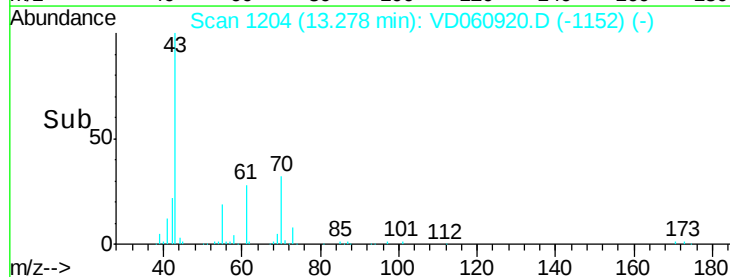
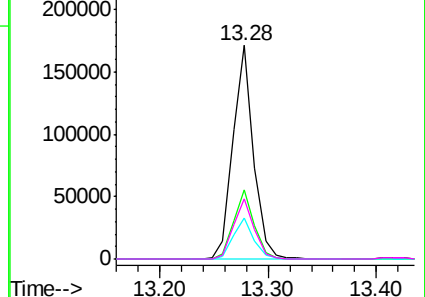


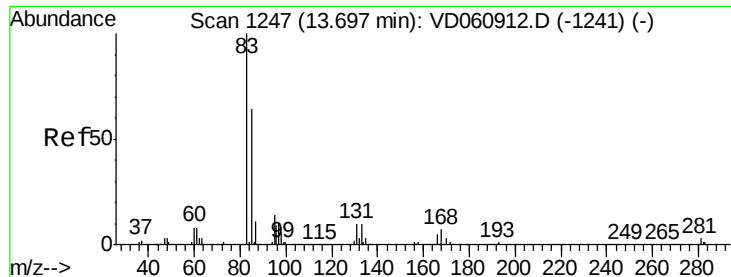
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.160 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

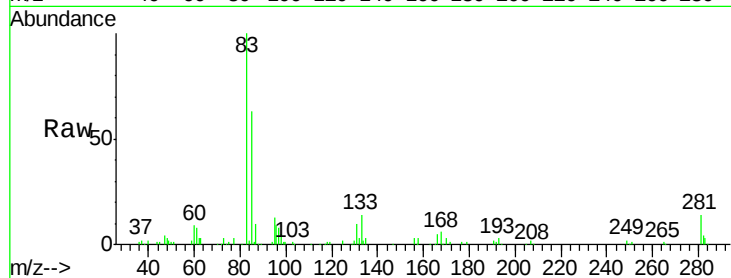
Tot Ion: 83 Resp: 152818

Ion Ratio Lower Upper

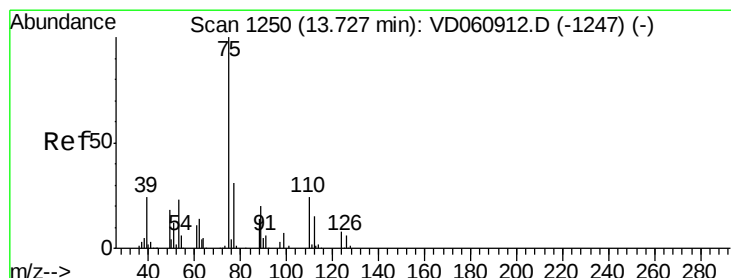
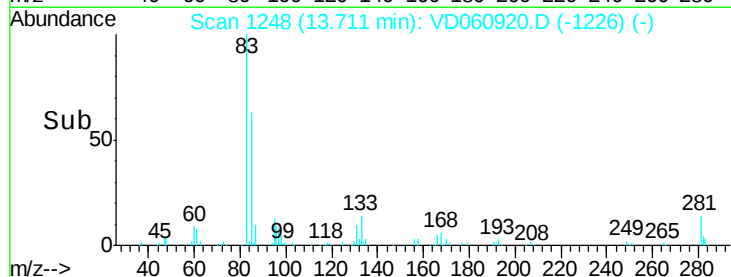
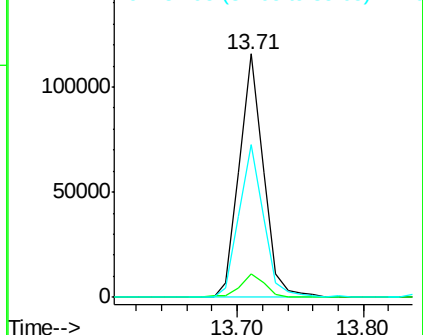
83 100

131 9.6 5.1 15.2

85 62.8 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: 20.938 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD060920.D

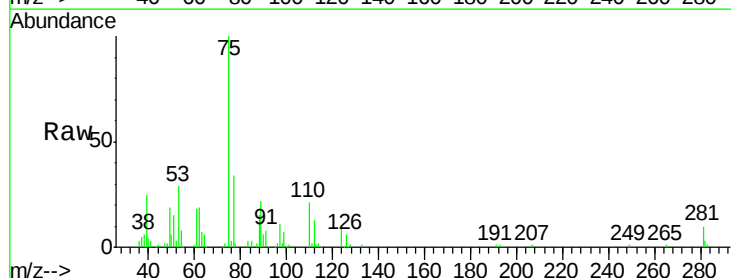
Acq: 4 Mar 2019 13:41

Tgt Ion: 75 Resp: 160492

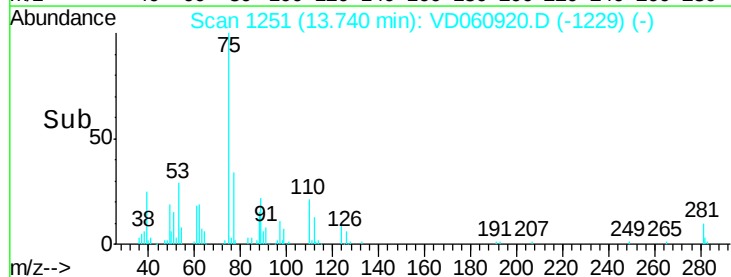
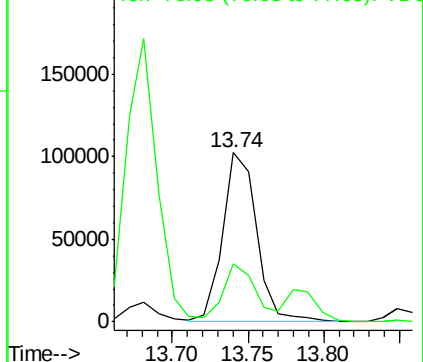
Ion Ratio Lower Upper

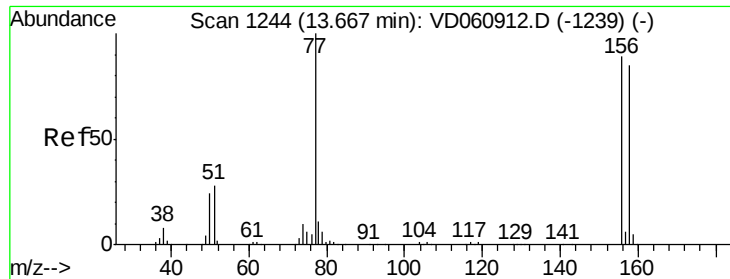
75 100

77 34.1 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

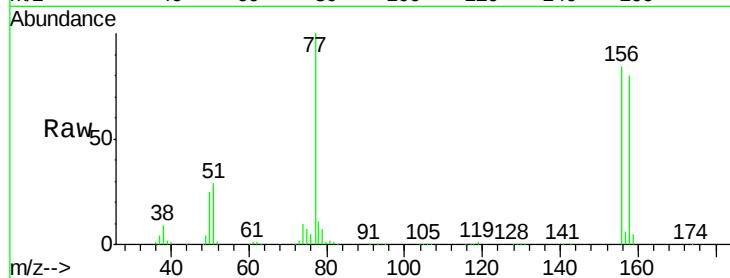




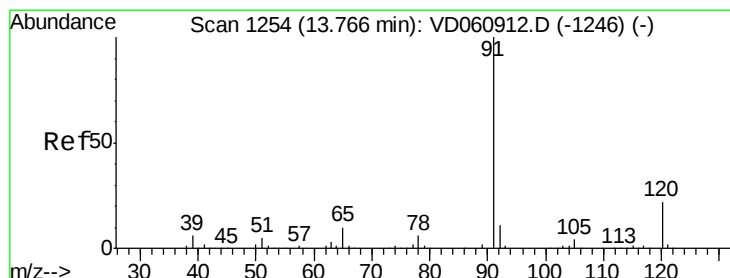
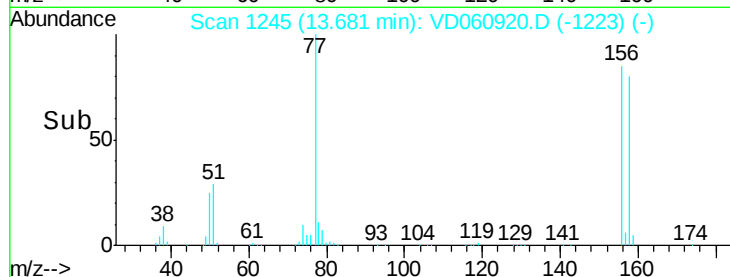
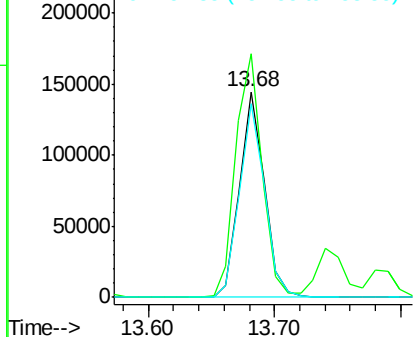
#77
Bromobenzene
Concen: 20.456 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion:156 Resp: 195432
Ion Ratio Lower Upper
156 100
77 118.6 56.4 169.2
158 94.6 48.0 144.2

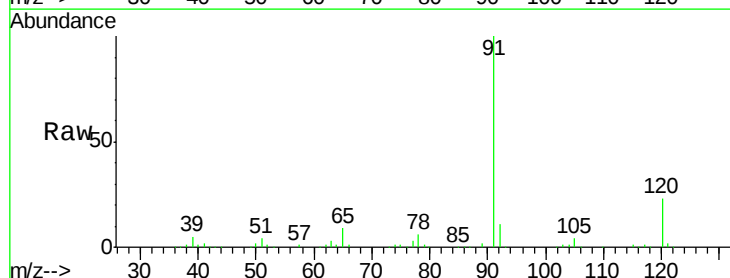


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

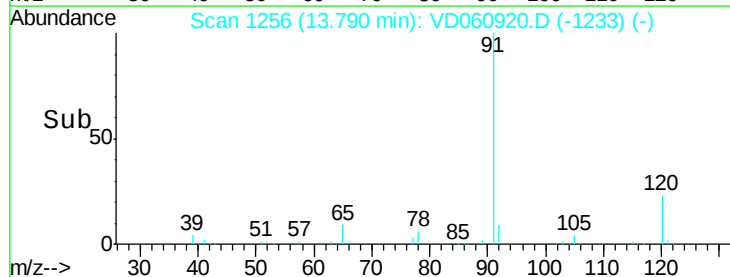
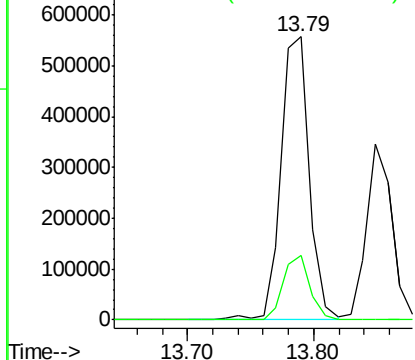


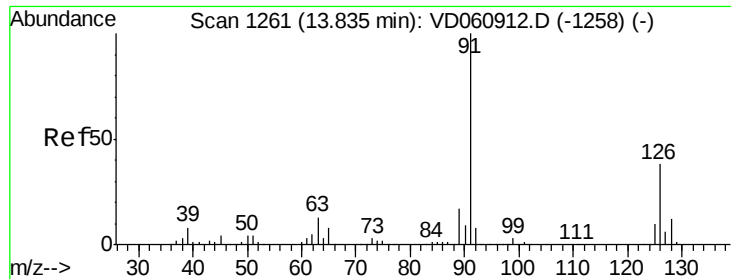
#78
n-propylbenzene
Concen: 20.612 ug/l
RT: 13.79 min Scan# 1256
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 91 Resp: 866760
Ion Ratio Lower Upper
91 100
120 22.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

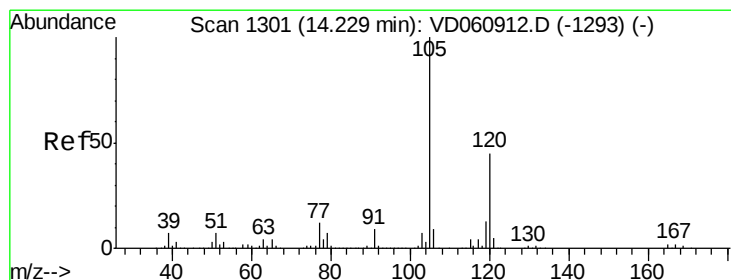
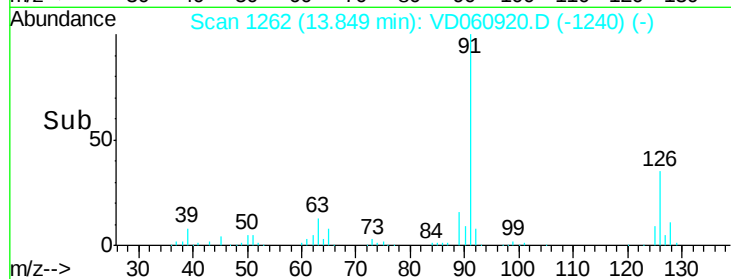
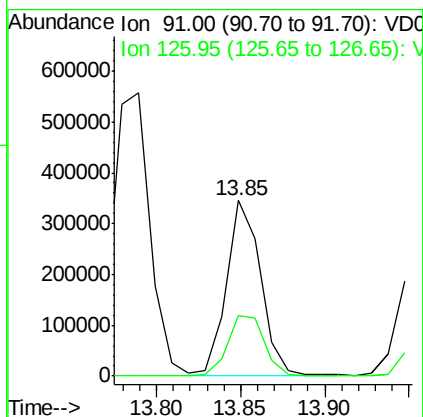
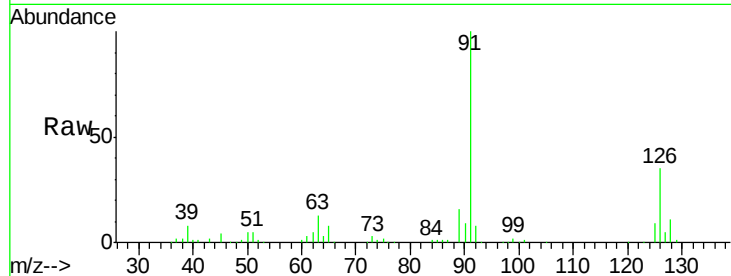




#79
 2-Chlorotoluene
 Concen: 20.067 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

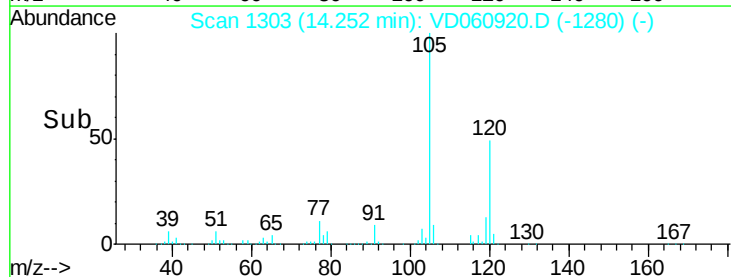
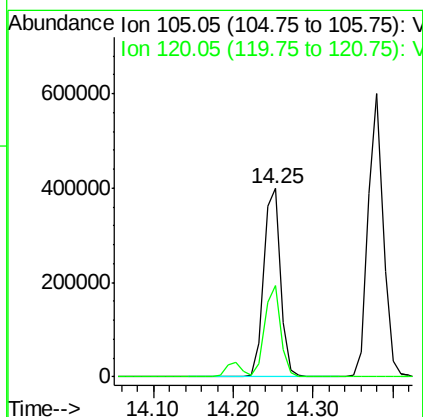
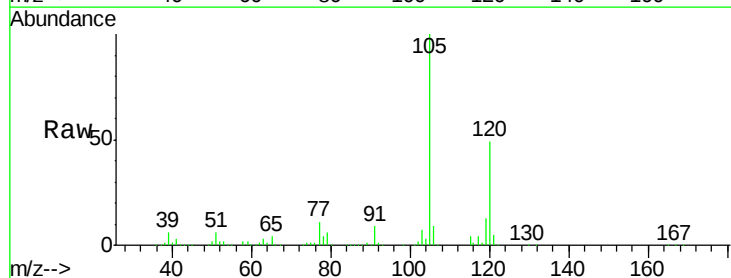
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

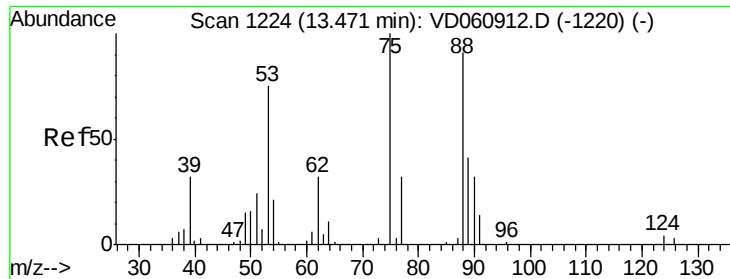
Tot Ion: 91 Resp: 481941
 Ion Ratio Lower Upper
 91 100
 126 34.6 18.8 56.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.874 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion: 105 Resp: 578590
 Ion Ratio Lower Upper
 105 100
 120 48.7 22.7 68.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.691 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

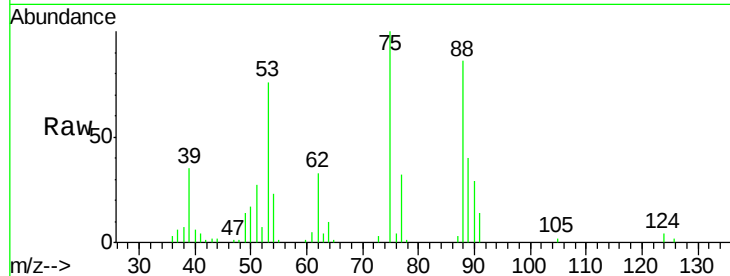
Tot Ion: 75 Resp: 51475

Ion Ratio Lower Upper

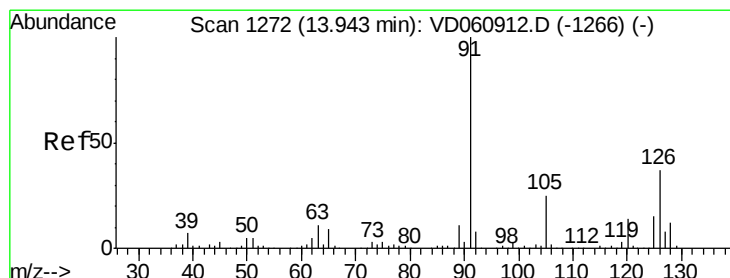
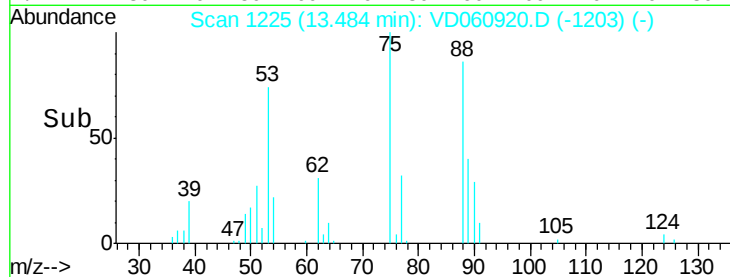
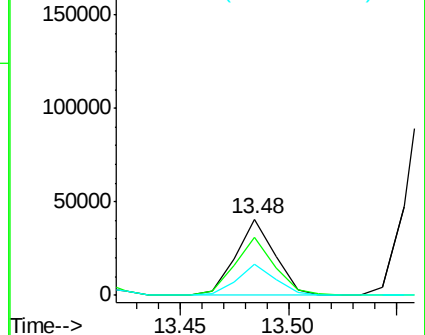
75 100

53 75.6 59.8 89.6

89 40.2 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: 21.250 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD060920.D

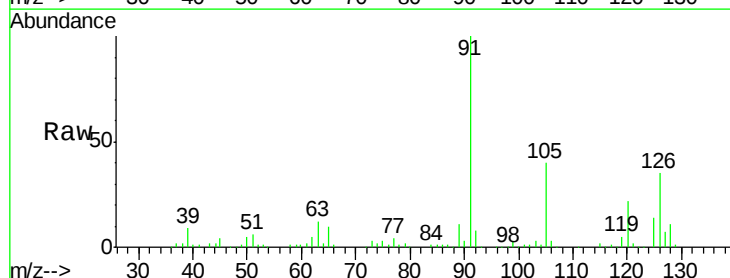
Acq: 4 Mar 2019 13:41

Tgt Ion: 91 Resp: 559757

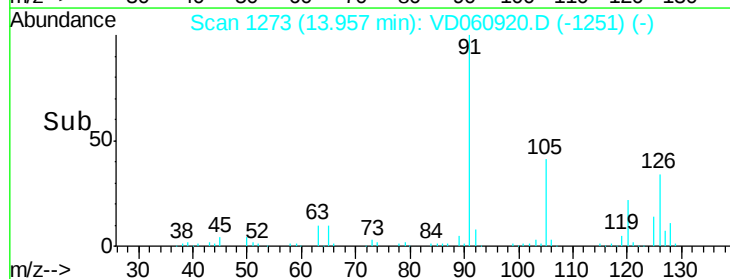
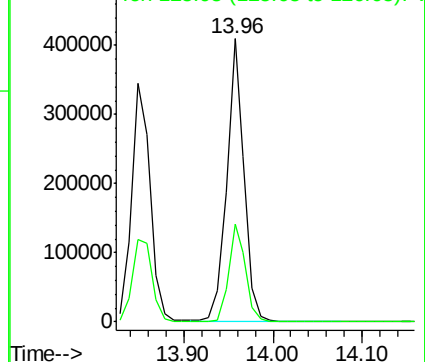
Ion Ratio Lower Upper

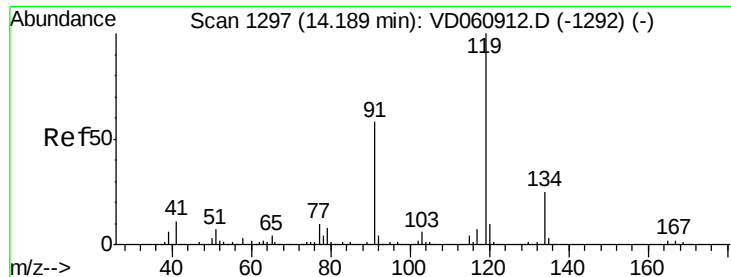
91 100

126 34.5 18.4 55.2



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

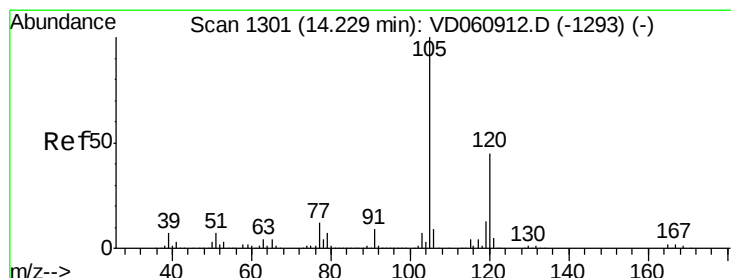
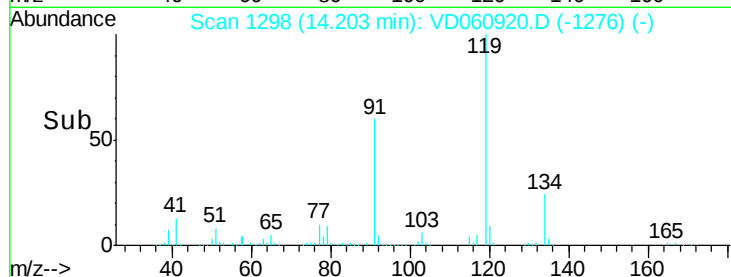
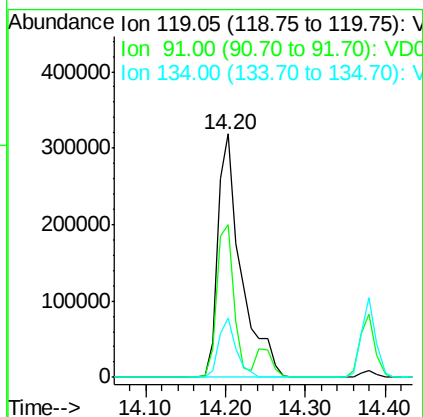
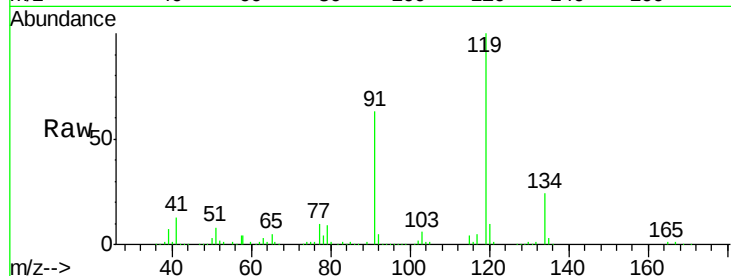




#83
tert-Butylbenzene
Concen: 20.619 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

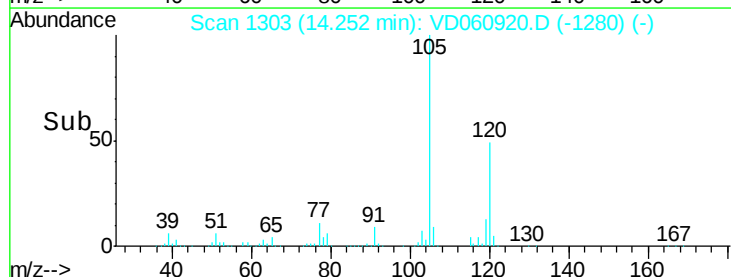
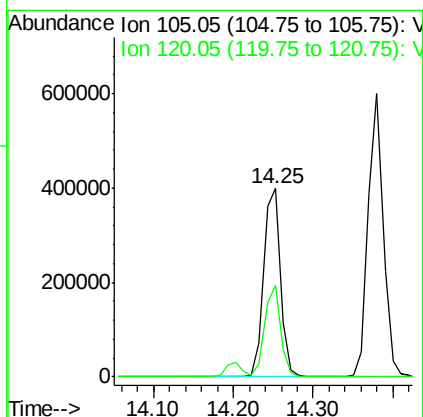
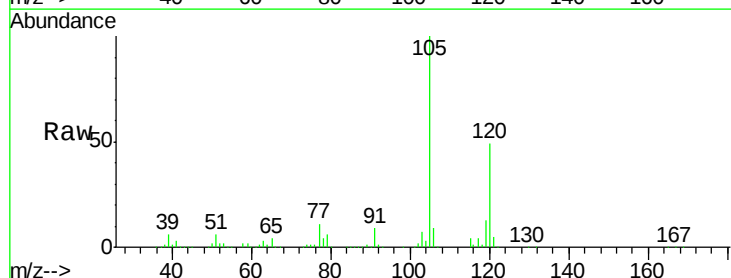
Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

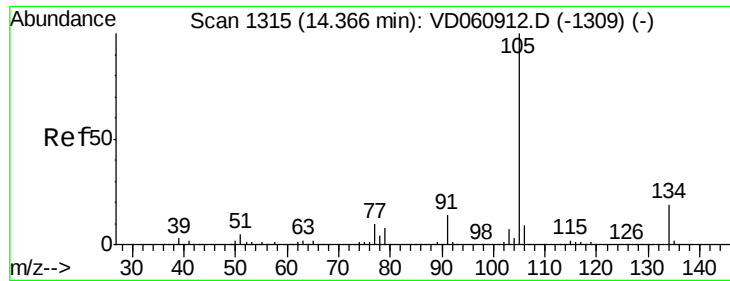
Tot Ion:119 Resp: 654375
Ion Ratio Lower Upper
119 100
91 62.8 28.8 86.5
134 24.1 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.874 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion:105 Resp: 578590
Ion Ratio Lower Upper
105 100
120 48.7 22.7 68.1

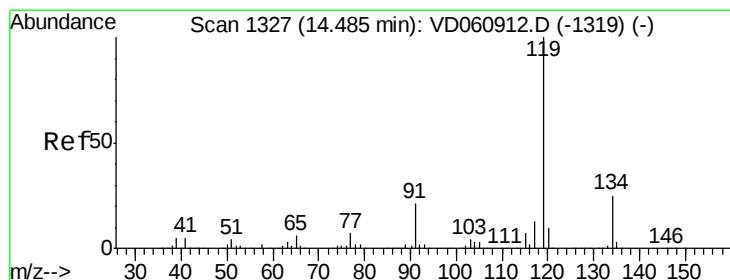
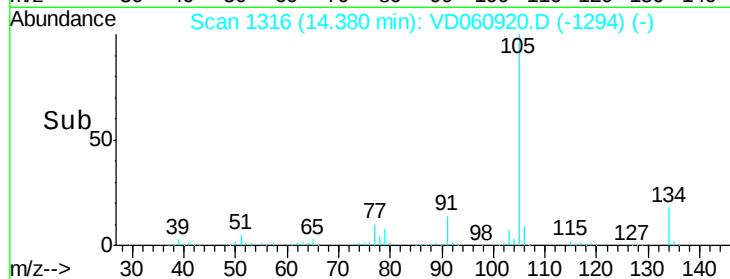
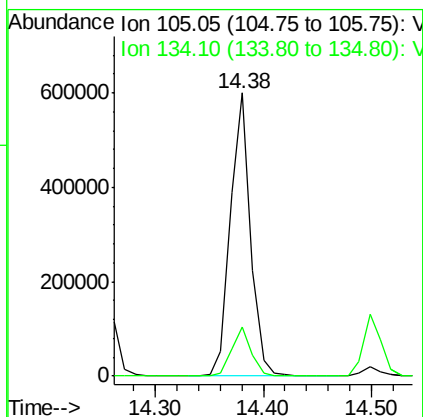
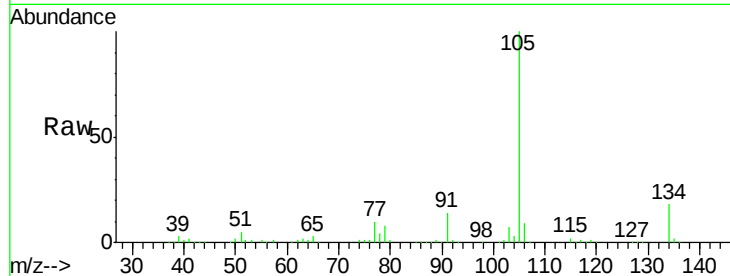




#85
 sec-Butylbenzene
 Concen: 21.079 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

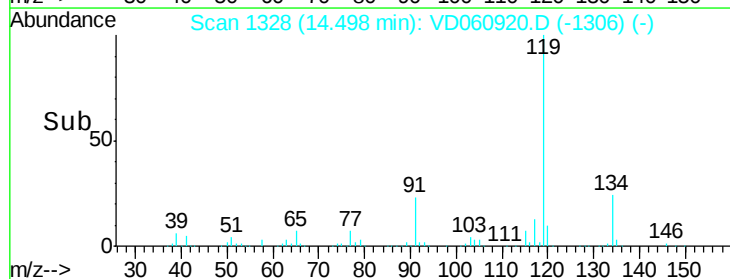
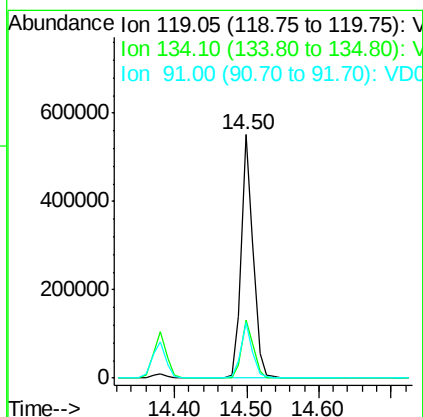
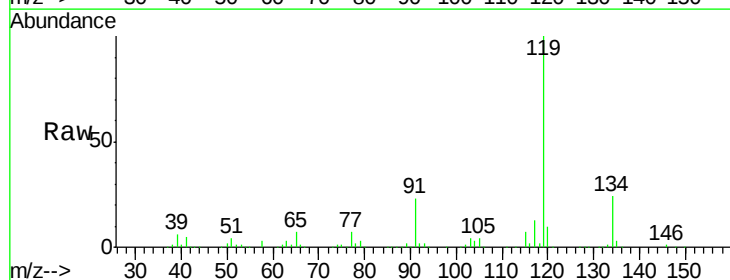
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

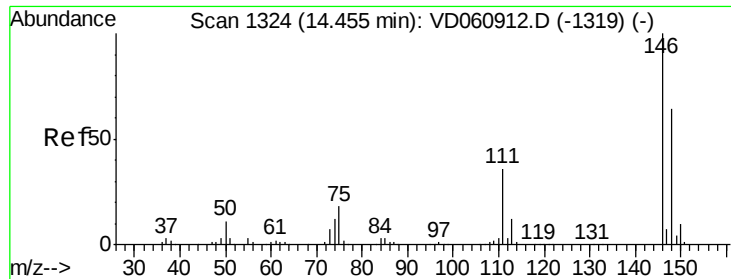
Tot Ion:105 Resp: 775546
 Ion Ratio Lower Upper
 105 100
 134 17.5 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 21.381 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion:119 Resp: 640719
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.4 37.0
 91 22.6 10.8 32.3

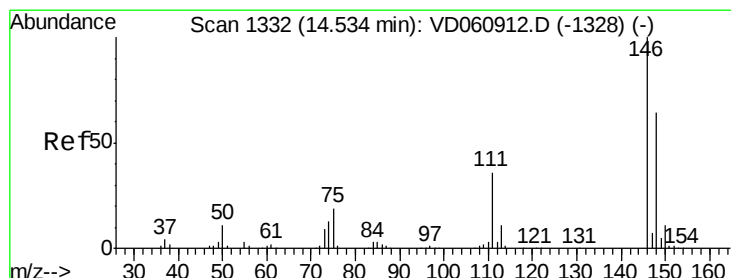
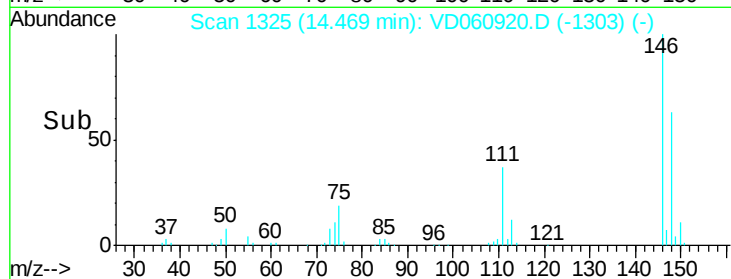
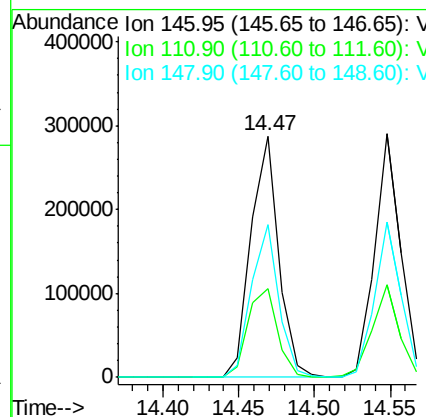
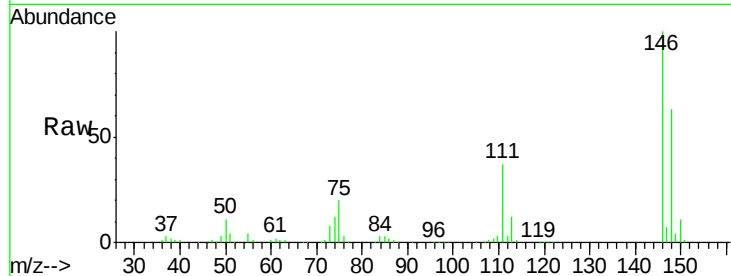




#87
 1,3-Dichlorobenzene
 Concen: 22.700 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

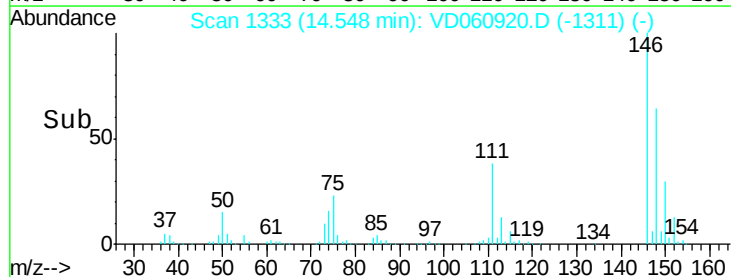
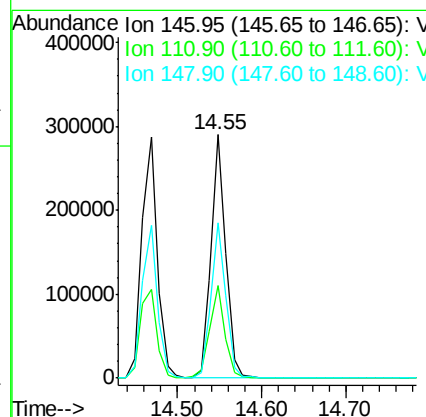
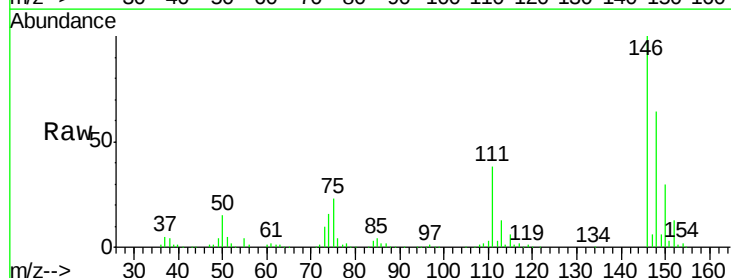
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

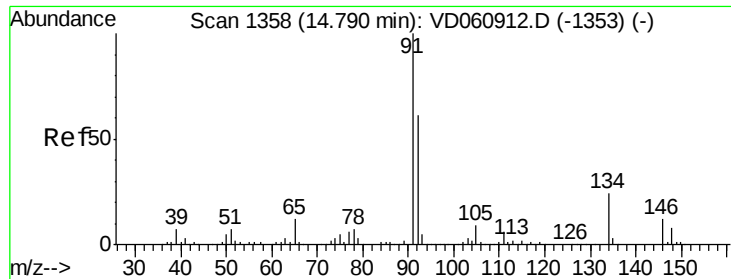
Tot Ion:146 Resp: 368439
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.1
 148 63.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 21.967 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion:146 Resp: 354073
 Ion Ratio Lower Upper
 146 100
 111 38.0 17.9 53.8
 148 63.8 32.0 96.0





#89

n-Butylbenzene

Concen: 19.119 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

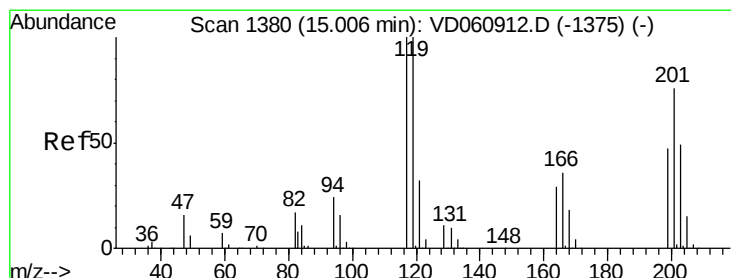
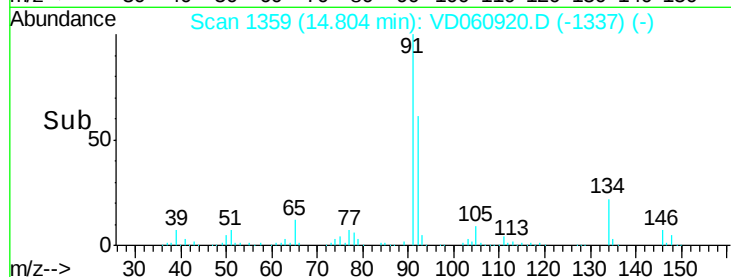
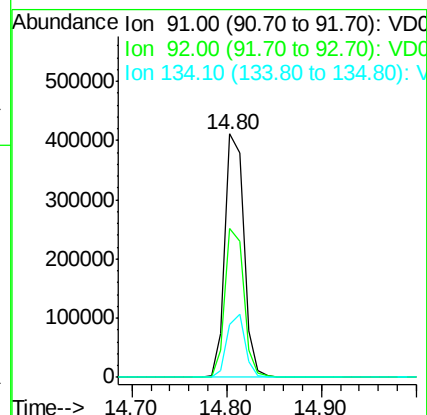
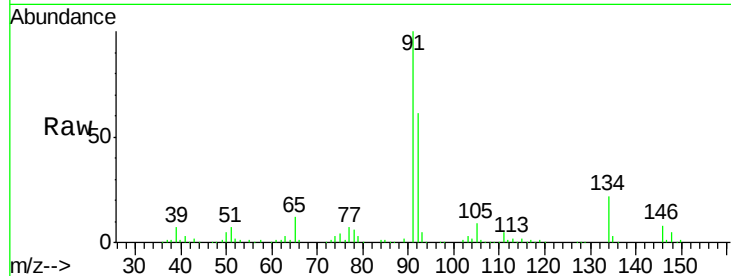
Tot Ion: 91 Resp: 570663

Ion Ratio Lower Upper

91 100

92 61.2 30.6 91.6

134 21.6 12.0 36.0



#90

Hexachloroethane

Concen: 21.084 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD060920.D

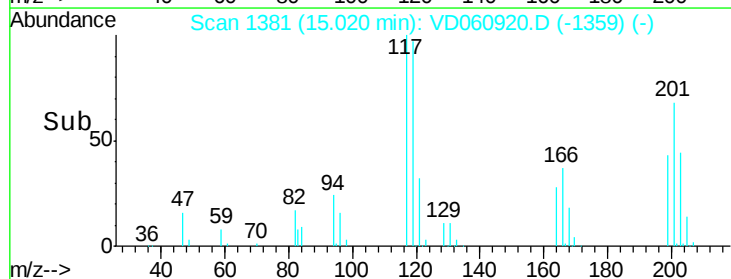
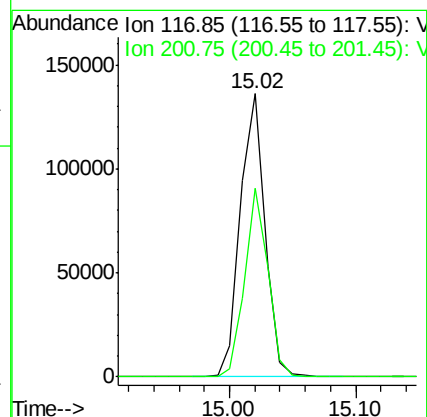
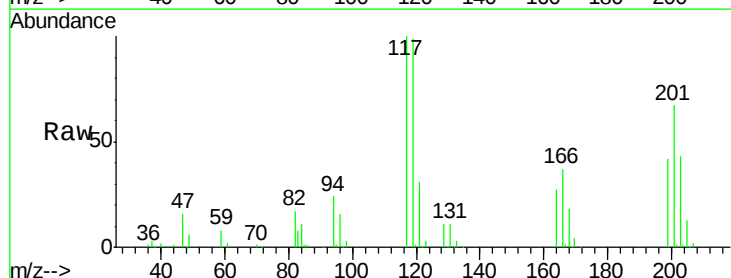
Acq: 4 Mar 2019 13:41

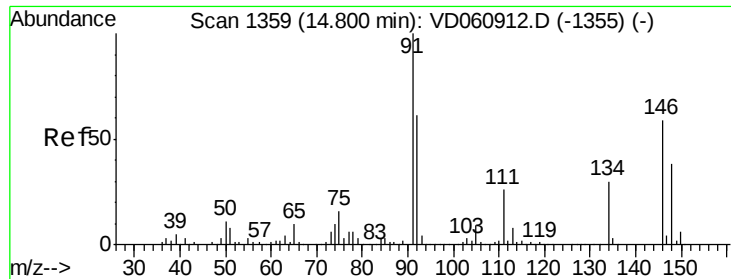
Tgt Ion: 117 Resp: 182217

Ion Ratio Lower Upper

117 100

201 66.8 37.8 113.4

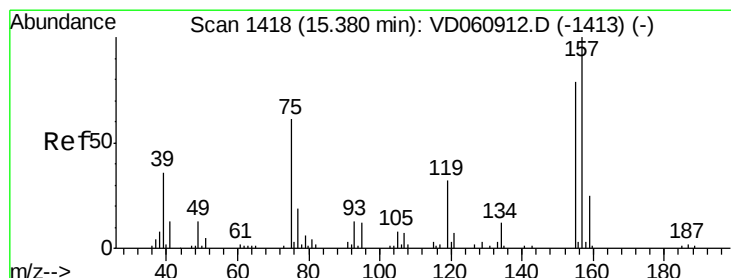
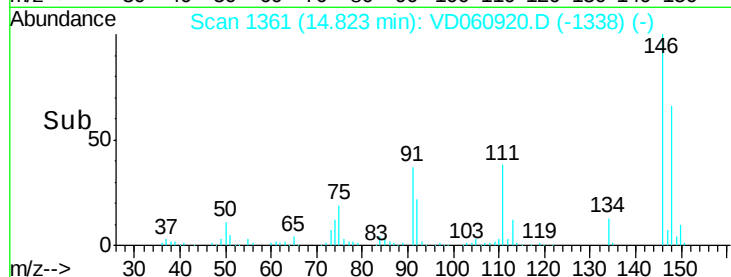
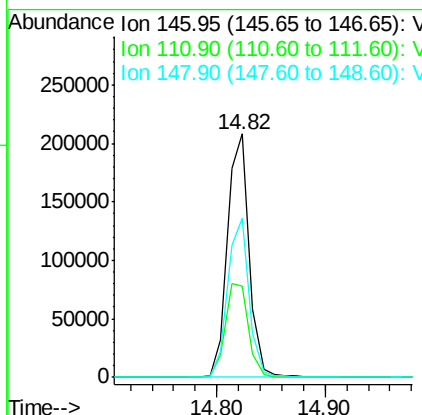
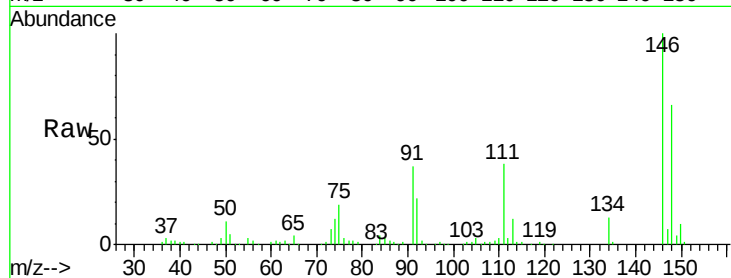




#91
 1,2-Dichlorobenzene
 Concen: 20.685 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

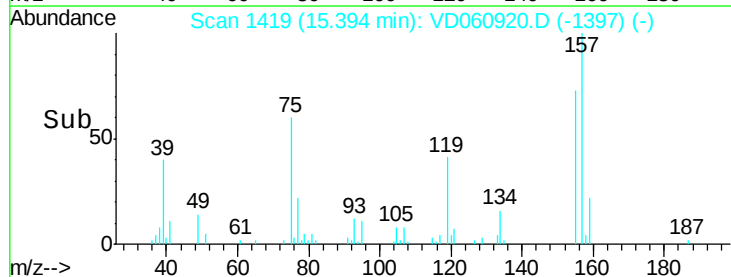
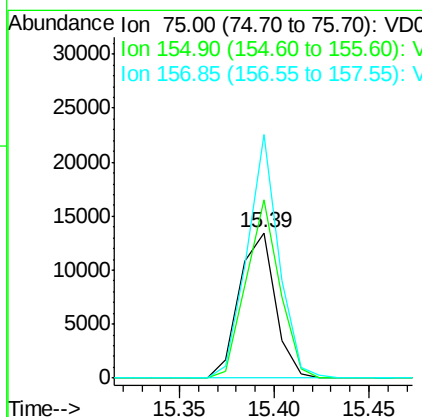
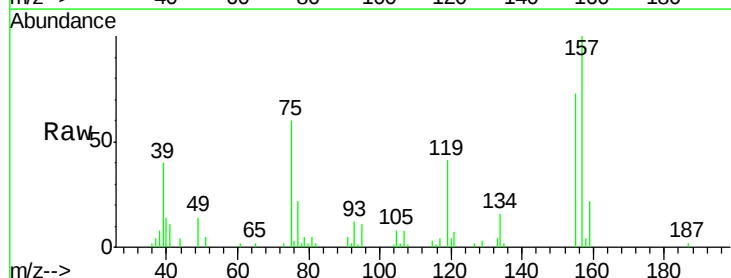
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

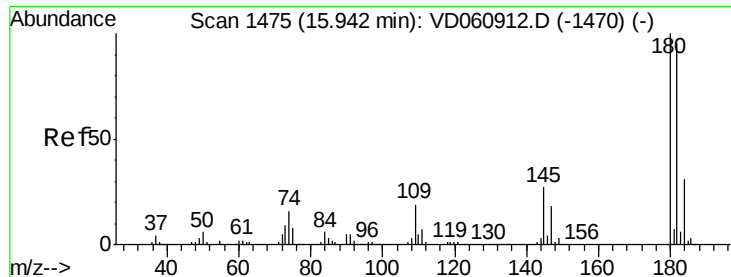
Tot Ion:146 Resp: 290885
 Ion Ratio Lower Upper
 146 100
 111 37.6 22.1 66.3
 148 65.5 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.833 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion: 75 Resp: 17592
 Ion Ratio Lower Upper
 75 100
 155 123.1 65.0 195.0
 157 167.7 81.8 245.3

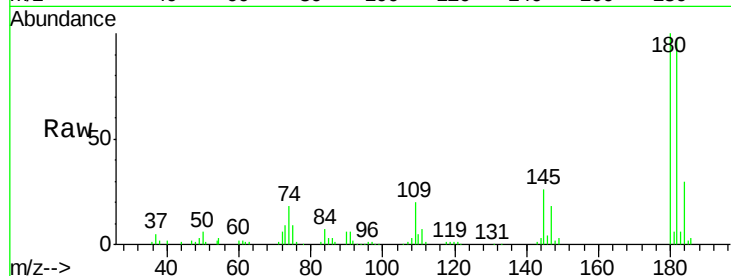




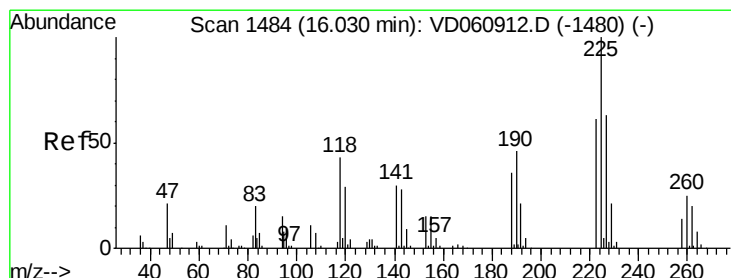
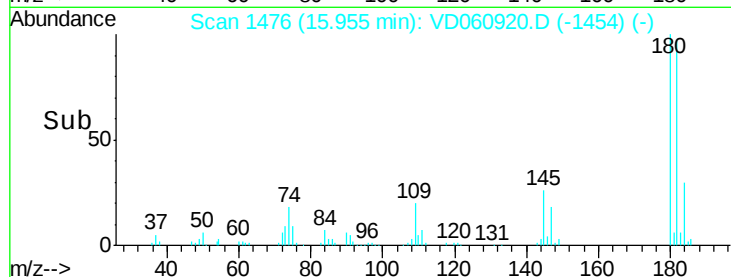
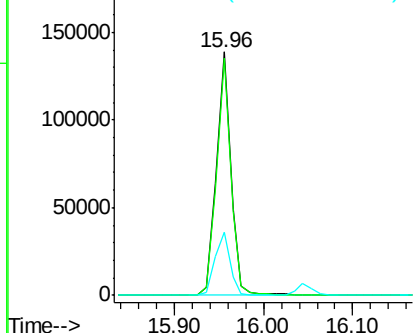
#93
 1,2,4-Trichlorobenzene
 Concen: 19.369 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

Tot Ion:180 Resp: 158161
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.5 142.6
 145 26.2 13.5 40.5

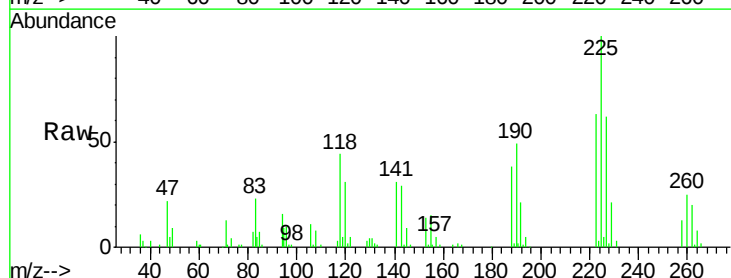


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

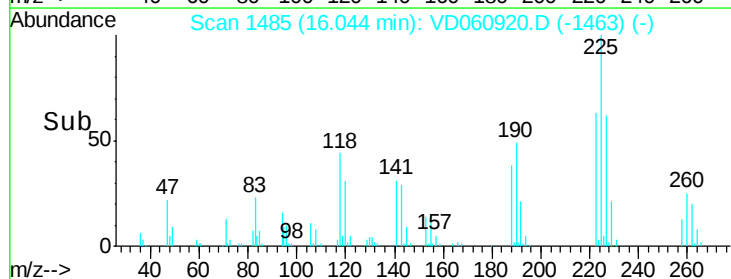
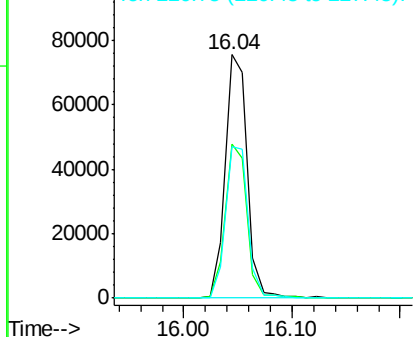


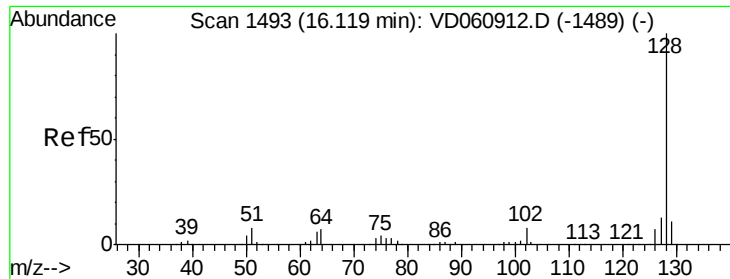
#94
 Hexachlorobutadiene
 Concen: 20.331 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion:225 Resp: 106559
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.4 91.3
 227 62.1 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

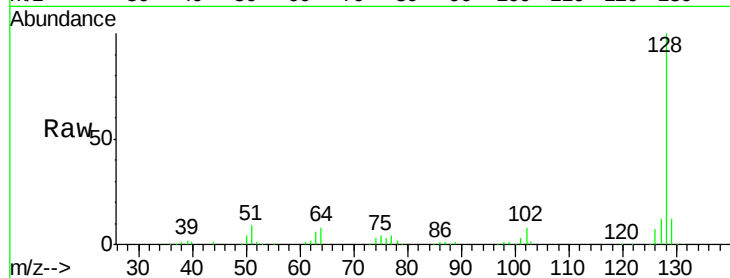




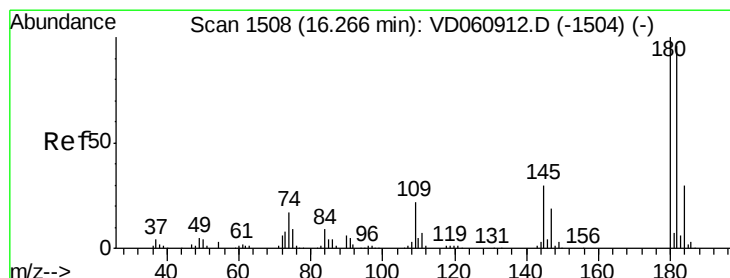
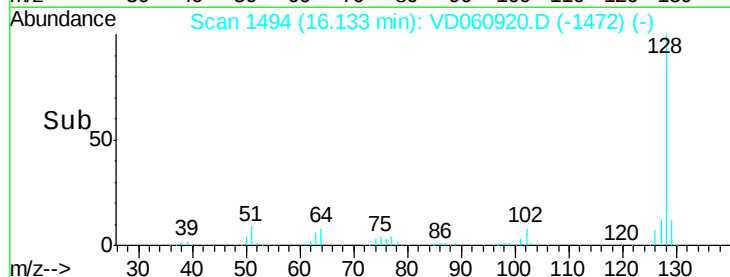
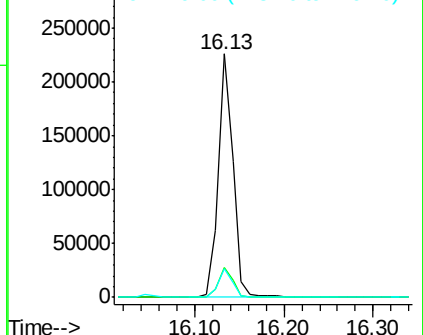
#95
Naphthalene
Concen: 20.552 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion:128 Resp: 261337
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 11.6 8.7 13.1

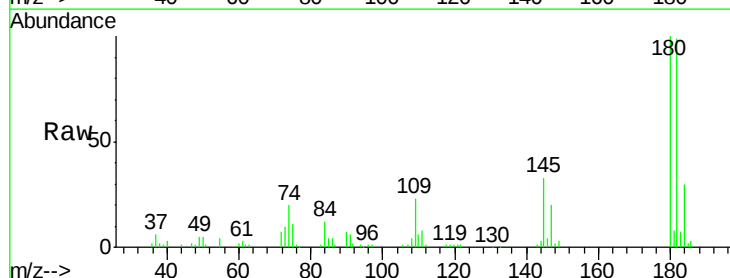


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.890 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion:180 Resp: 100380
Ion Ratio Lower Upper
180 100
182 98.7 48.1 144.4
145 33.0 14.8 44.4



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

