

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061240.D
 Acq On : 21 Mar 2019 13:09
 Operator : VA/AP
 Sample : VD0321SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

Quant Time: Mar 22 04:29:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	634164	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1097046	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	860044	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	392490	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	261224	49.49	ug/l	0.03
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	6.94	113	405680	49.83	ug/l	0.02
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.42	98	976031	47.74	ug/l	0.03
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	13.57	95	395343	49.84	ug/l	0.02
Spiked Amount			Recovery	=	99.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	123084	19.594	ug/l	98
3) Chloromethane	1.76	50	102792	19.643	ug/l	96
4) Vinyl Chloride	1.86	62	99817	20.643	ug/l	94
5) Bromomethane	2.17	94	18813	19.195	ug/l	85
6) Chloroethane	2.27	64	29151	20.141	ug/l	94
7) Trichlorofluoromethane	2.54	101	140520	20.230	ug/l	94
8) Diethyl Ether	2.89	74	51852	22.628	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.17	101	158657	20.430	ug/l	99
10) Methyl Iodide	3.33	142	200205	20.555	ug/l	98
11) Tert butyl alcohol	4.08	59	36839	109.623	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	127667	20.055	ug/l	97
13) Acrolein	3.05	56	27136	55.808	ug/l	85
14) Allyl chloride	3.63	41	193015	18.951	ug/l	97
15) Acrylonitrile	4.21	53	127345	107.219	ug/l	98
16) Acetone	3.24	43	153177	101.476	ug/l	96
17) Carbon Disulfide	3.40	76	391928	18.252	ug/l	98
18) Methyl Acetate	3.65	43	55829	18.794	ug/l	97
19) Methyl tert-butyl Ether	4.26	73	252779	22.659	ug/l	98
20) Methylene Chloride	3.83	84	183754	24.301	ug/l	93
21) trans-1,2-Dichloroethene	4.24	96	147261	21.373	ug/l	92
22) Diisopropyl ether	5.14	45	413475	19.556	ug/l	99
23) Vinyl Acetate	5.08	43	1178713	108.599	ug/l	99
24) 1,1-Dichloroethane	5.00	63	246081	21.242	ug/l	98
25) 2-Butanone	6.08	43	200523	117.070	ug/l	96
26) 2,2-Dichloropropane	6.04	77	205465	22.720	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	167267	22.881	ug/l	97
28) Bromochloromethane	6.46	49	81794	16.678	ug/l	84
29) Tetrahydrofuran	6.47	42	94098	101.172	ug/l	96
30) Chloroform	6.67	83	258054	21.493	ug/l	100
31) Cyclohexane	6.97	56	187192	20.040	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	226993	21.868	ug/l	97
36) 1,1-Dichloropropene	7.17	75	194976	20.618	ug/l	99
37) Ethyl Acetate	6.20	43	85833	19.342	ug/l	98
38) Carbon Tetrachloride	7.13	117	213706	20.516	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	200483	20.446	ug/l	99
40) Benzene	7.47	78	480940	20.354	ug/l	99
41) Methacrylonitrile	6.47	41	104090	20.393	ug/l	95
42) 1,2-Dichloroethane	7.59	62	152182	22.193	ug/l	99
43) Isopropyl Acetate	9.25	43	122488	19.929	ug/l #	97
44) Trichloroethene	8.55	130	176676	21.673	ug/l	100
45) 1,2-Dichloropropane	8.95	63	131374	21.162	ug/l	96
46) Dibromomethane	9.08	93	88653	22.513	ug/l	99
47) Bromodichloromethane	9.38	83	184238	20.733	ug/l	98
48) Methyl methacrylate	9.14	41	74045	21.397	ug/l	98
49) 1,4-Dioxane	9.09	88	16159	461.791	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	424239	112.671	ug/l	96
52) Toluene	10.52	92	293776	19.994	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	171752	21.138	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	201057	20.594	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	104187	21.292	ug/l	98
56) Ethyl methacrylate	11.05	69	108063	21.099	ug/l	97
57) 1,3-Dichloropropane	11.42	76	156181	21.358	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	270669	99.838	ug/l	98
59) 2-Hexanone	11.54	43	290603	105.509	ug/l	96
60) Dibromochloromethane	11.69	129	160442	22.279	ug/l	96
61) 1,2-Dibromoethane	11.81	107	122644	21.546	ug/l	98
64) Tetrachloroethene	11.26	164	133930	23.069	ug/l	93
65) Chlorobenzene	12.40	112	396992	23.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	141840	23.601	ug/l	98
67) Ethyl Benzene	12.53	91	543937	21.670	ug/l	99
68) m/p-Xylenes	12.67	106	478247	48.543	ug/l	100
69) o-Xylene	13.05	106	212396	21.932	ug/l	95
70) Styrene	13.08	104	350030	22.135	ug/l	96
71) Bromoform	13.24	173	90241	23.276	ug/l	99
73) Isopropylbenzene	13.41	105	530163	18.743	ug/l	98
74) N-amyl acetate	13.27	43	163825	20.569	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	115713	20.967	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	124451	22.040	ug/l	98
77) Bromobenzene	13.67	156	147805	20.470	ug/l	92
78) n-propylbenzene	13.78	91	641609	19.376	ug/l	97
79) 2-Chlorotoluene	13.84	91	380318	20.861	ug/l	97
80) 1,3,5-Trimethylbenzene	14.24	105	479729	22.340	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	33352	20.034	ug/l	96
82) 4-Chlorotoluene	13.95	91	429117	19.911	ug/l	97
83) tert-Butylbenzene	14.20	119	582244	24.776	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	479729	22.340	ug/l	97
85) sec-Butylbenzene	14.37	105	637374	22.216	ug/l	97
86) p-Isopropyltoluene	14.50	119	458104	19.535	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	277251	21.503	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	288352	22.758	ug/l	97
89) n-Butylbenzene	14.81	91	496453	22.045	ug/l	95
90) Hexachloroethane	15.01	117	140589	21.231	ug/l	86
91) 1,2-Dichlorobenzene	14.82	146	249462	23.209	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	14129	21.246	ug/l	89

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

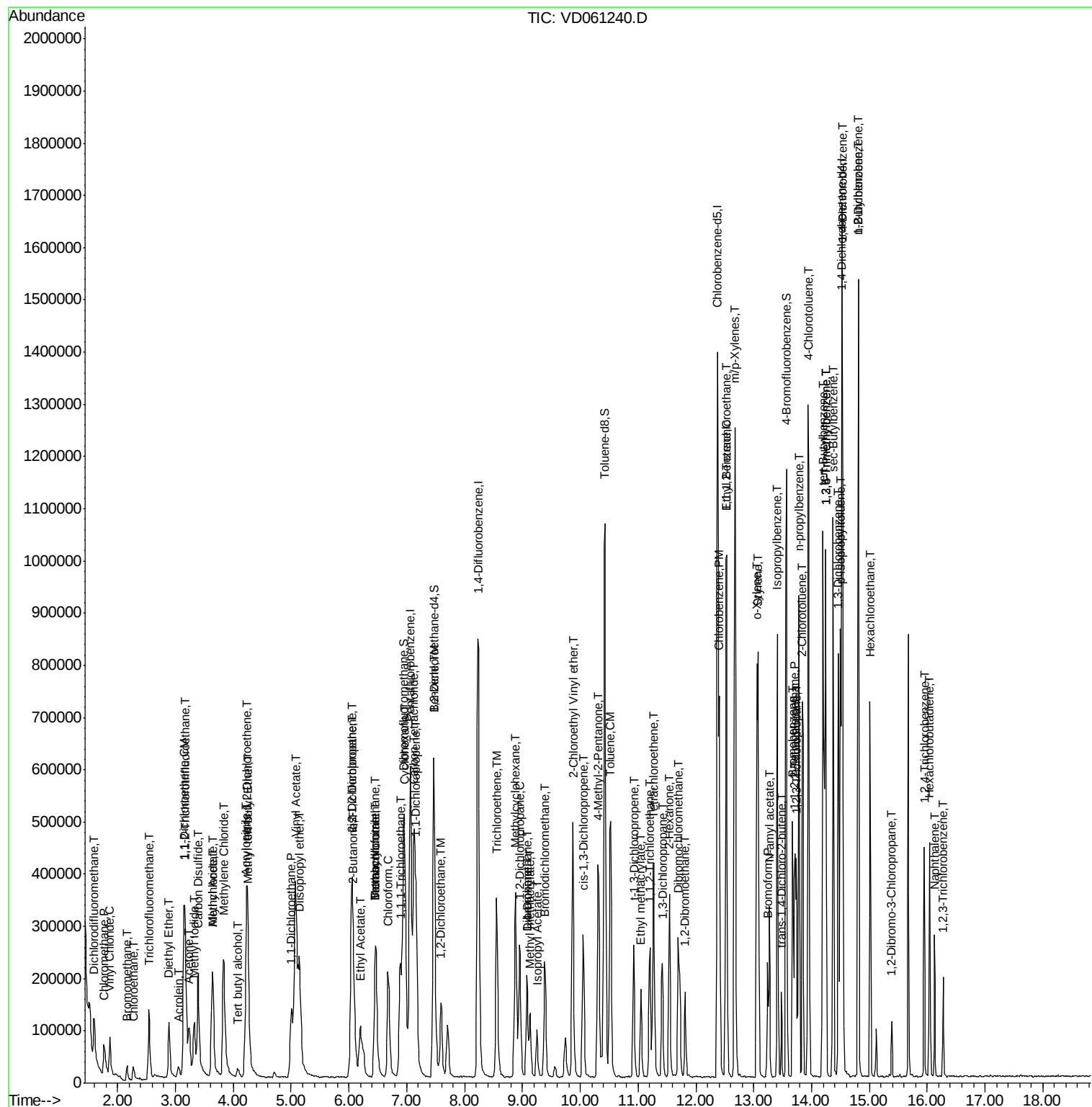
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	107366	21.532	ug/l	97
94) Hexachlorobutadiene	16.05	225	82247	21.807	ug/l	95
95) Naphthalene	16.12	128	171002	22.568	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	44248	17.967	ug/l	95

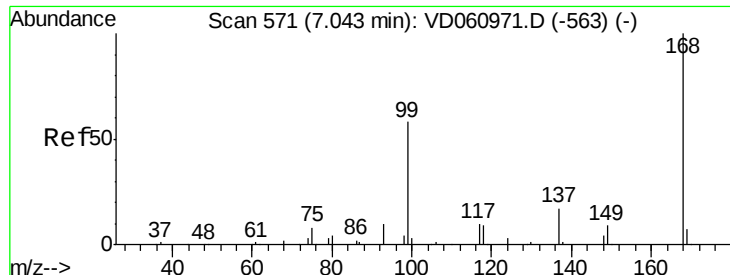
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061240.D
 Acq On : 21 Mar 2019 13:09
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

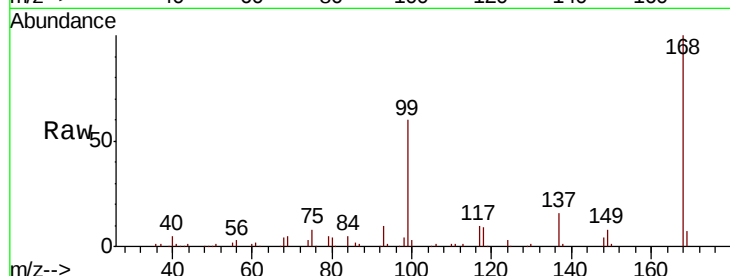
VD0321SBSD01

Tot Ion:168 Resp: 634164

Ion Ratio Lower Upper

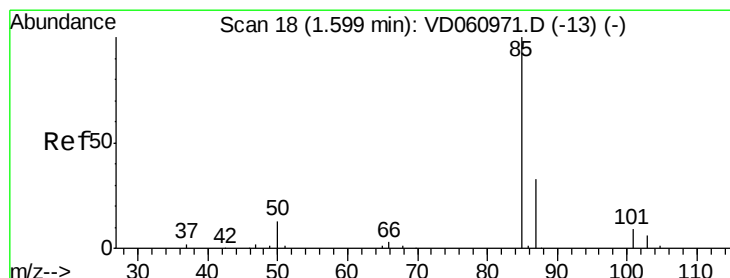
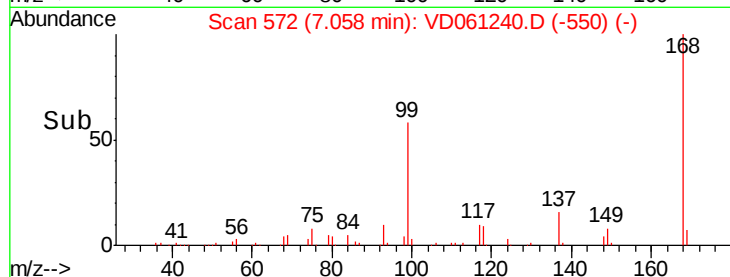
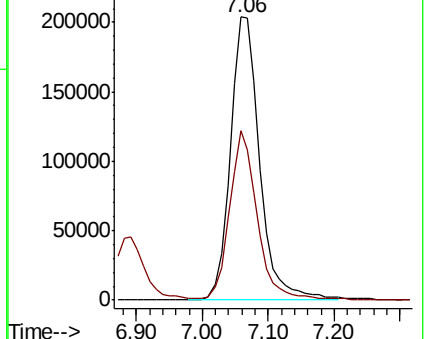
168 100

99 59.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.594 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061240.D

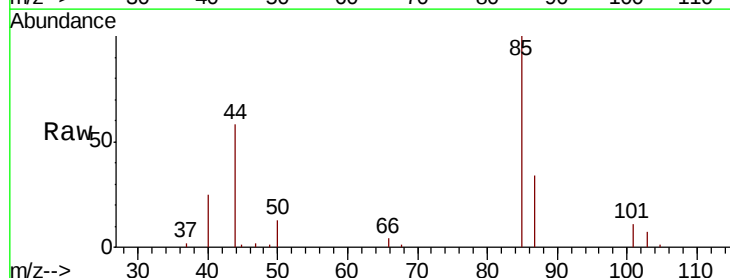
Acq: 21 Mar 2019 13:09

Tgt Ion: 85 Resp: 123084

Ion Ratio Lower Upper

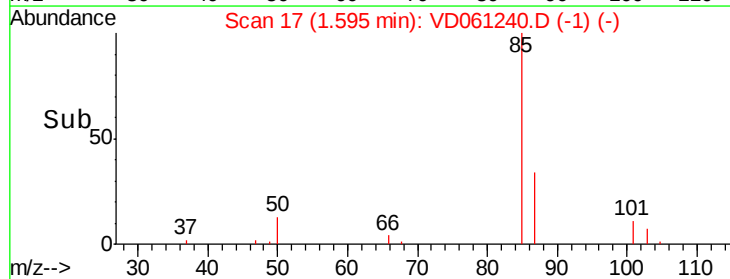
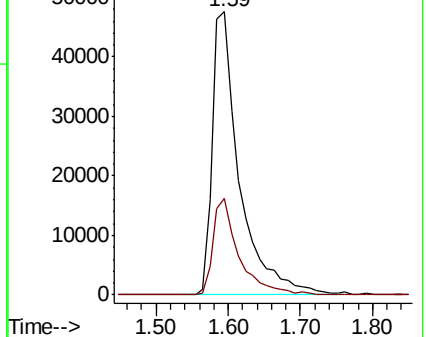
85 100

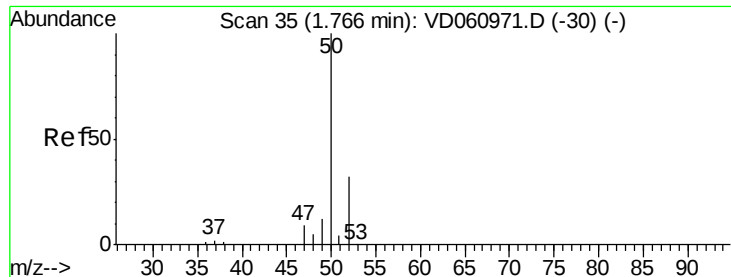
87 34.1 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.643 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

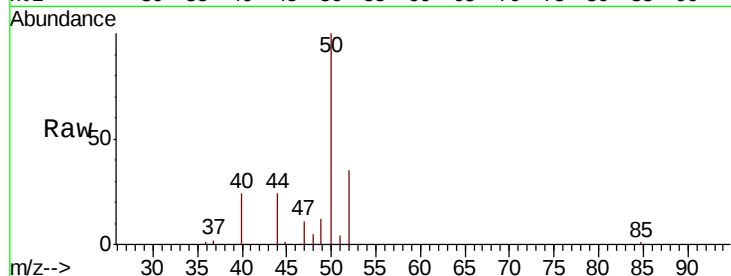
VD0321SBSD01

Tot Ion: 50 Resp: 102792

Ion Ratio Lower Upper

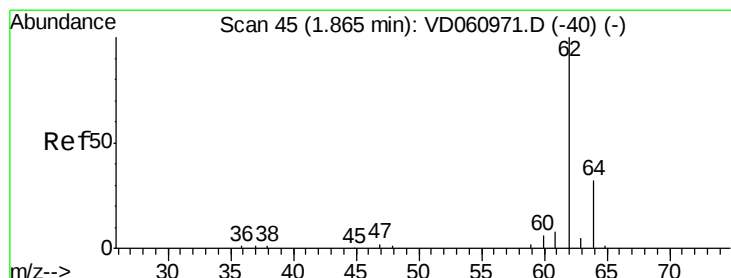
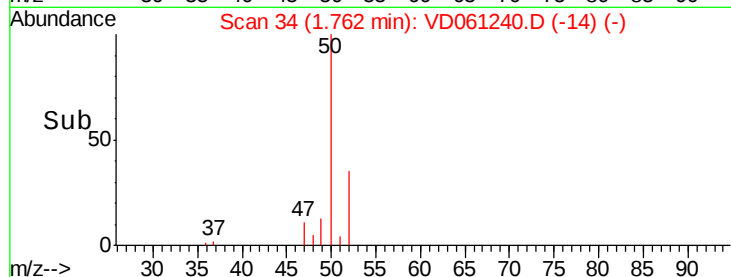
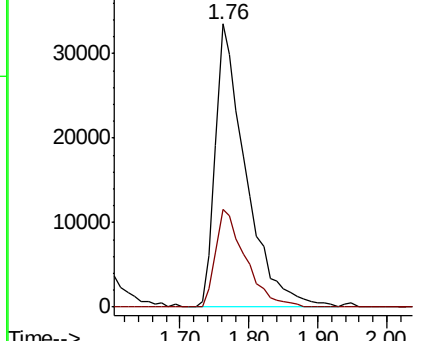
50 100

52 34.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.643 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD061240.D

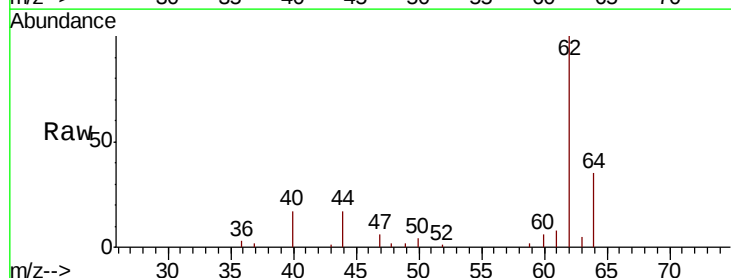
Acq: 21 Mar 2019 13:09

Tgt Ion: 62 Resp: 99817

Ion Ratio Lower Upper

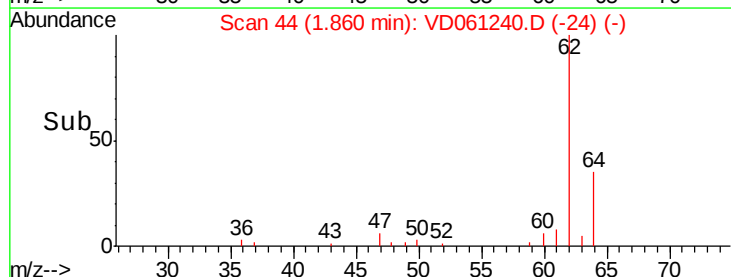
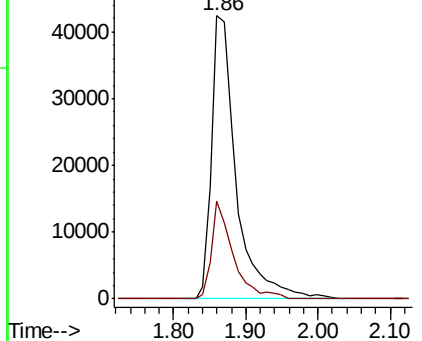
62 100

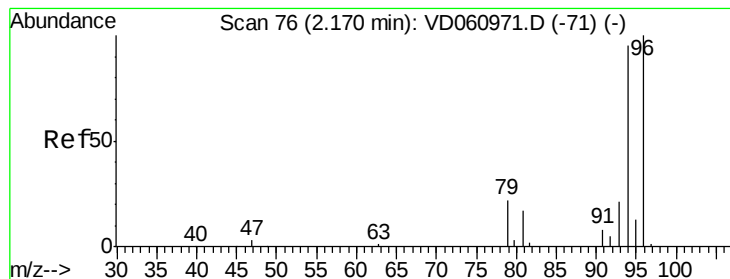
64 34.6 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.195 ug/l

RT: 2.17 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBSD01

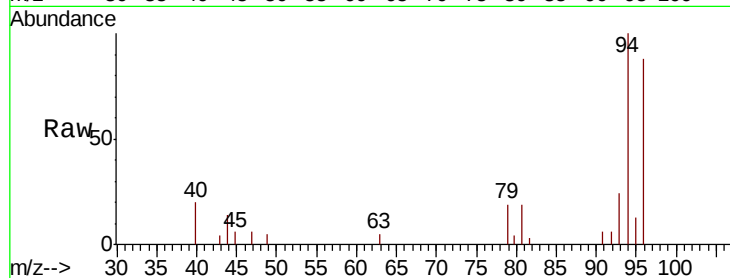
Tot Ion: 94 Resp: 18813

Ion Ratio Lower Upper

94 100

96 88.0 84.0 126.0

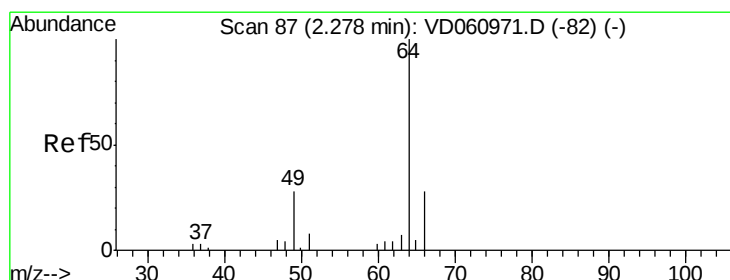
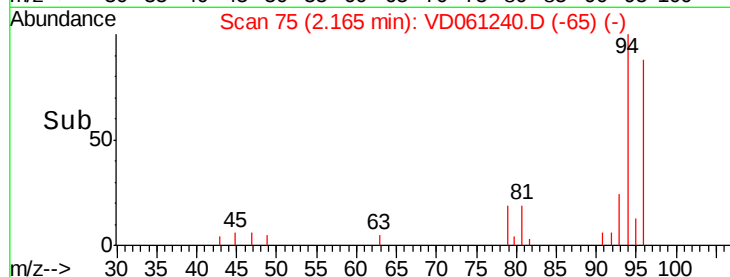
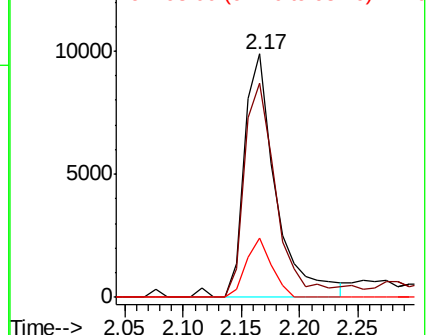
93 24.4 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.141 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.00 min

Lab File: VD061240.D

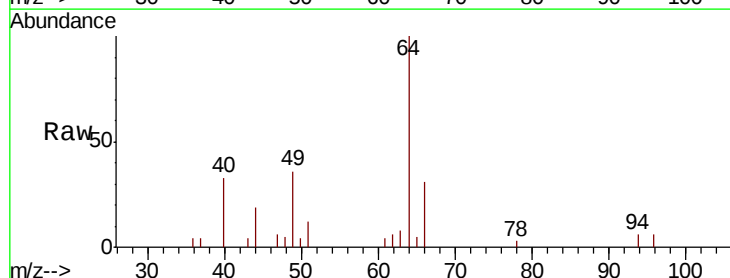
Acq: 21 Mar 2019 13:09

Tgt Ion: 64 Resp: 29151

Ion Ratio Lower Upper

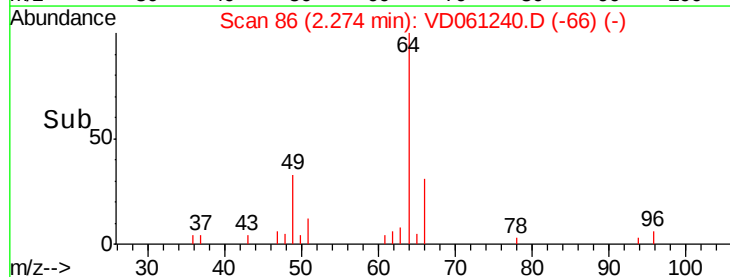
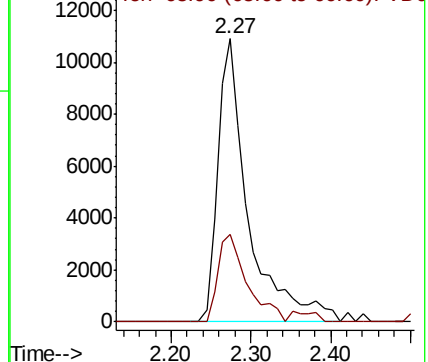
64 100

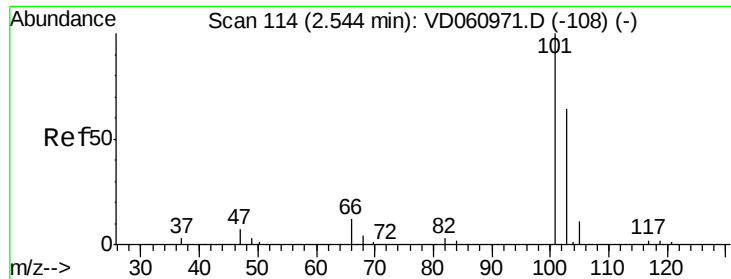
66 31.0 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



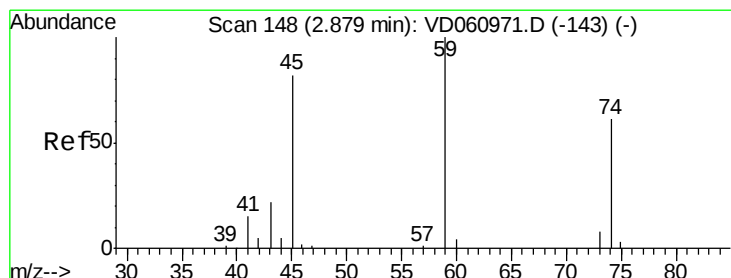
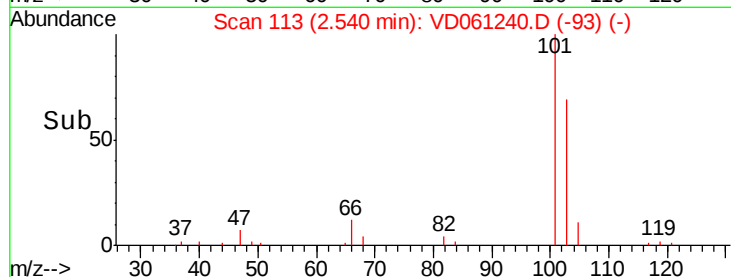
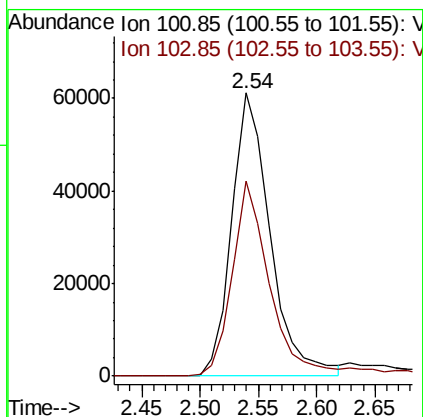
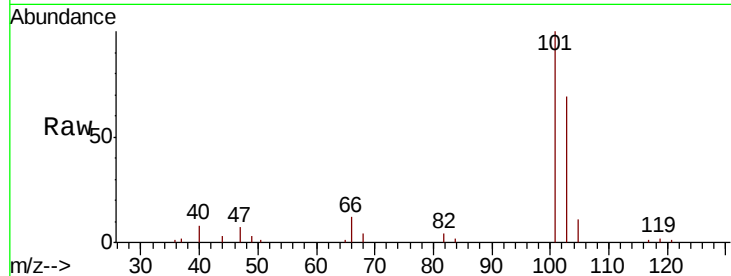


#7

Trichlorofluoromethane
 Concen: 20.230 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.00 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Instrument :
 MSVOA_D
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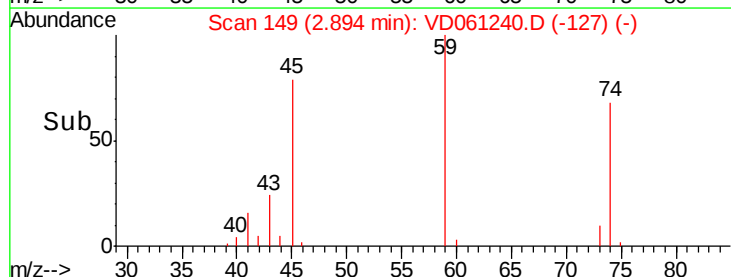
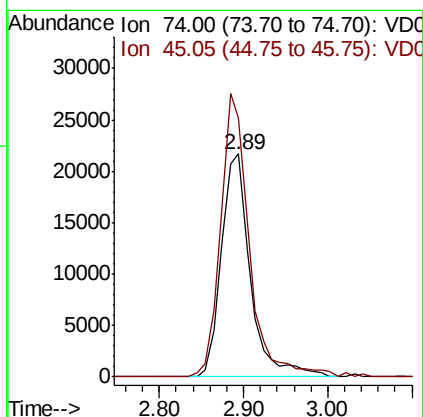
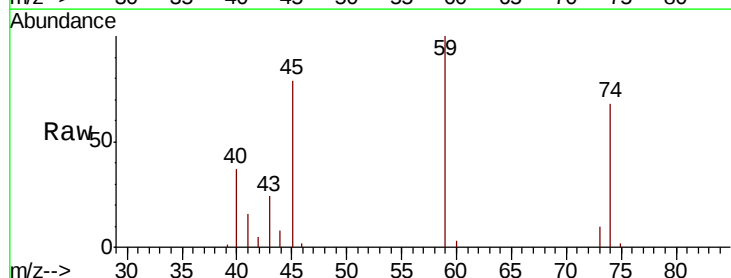
Tot Ion:101 Resp: 140520
 Ion Ratio Lower Upper
 101 100
 103 68.9 51.2 76.8

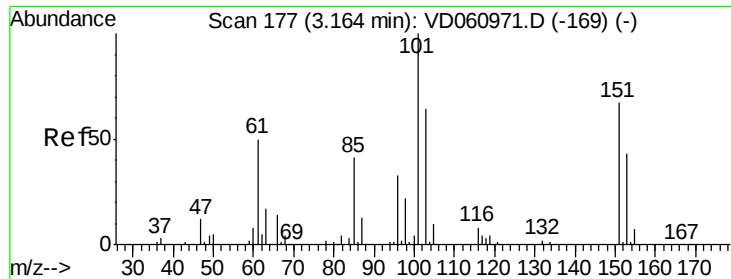


#8

Diethyl Ether
 Concen: 22.628 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion: 74 Resp: 51852
 Ion Ratio Lower Upper
 74 100
 45 116.0 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.430 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

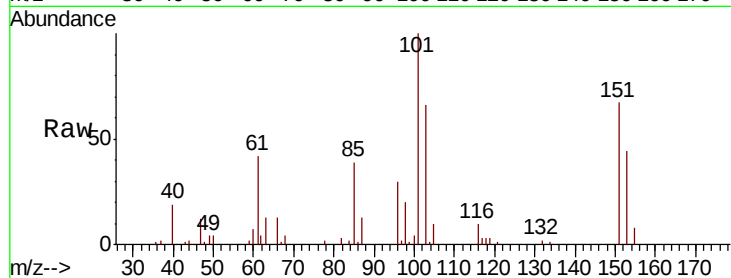
Tot Ion:101 Resp: 158657

Ion Ratio Lower Upper

101 100

85 38.9 32.5 48.7

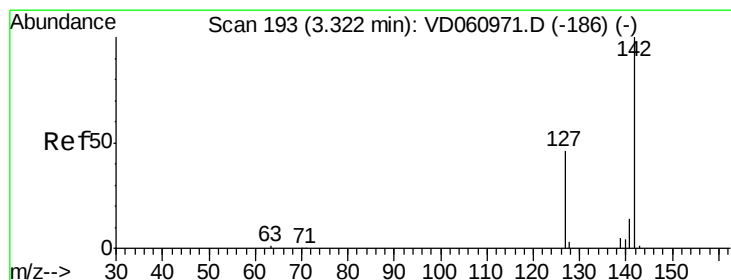
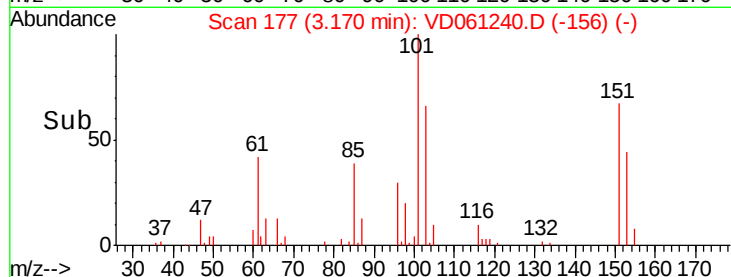
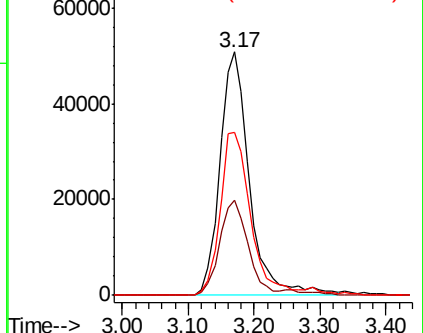
151 67.1 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.555 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

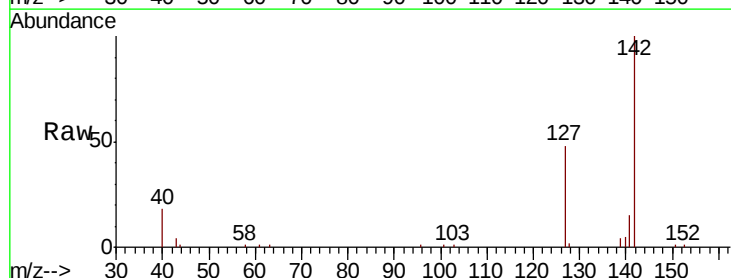
Tgt Ion:142 Resp: 200205

Ion Ratio Lower Upper

142 100

127 47.7 36.8 55.2

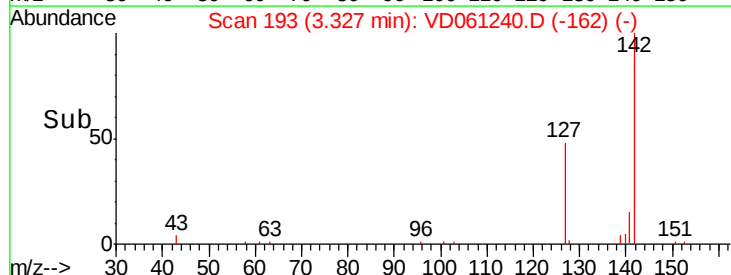
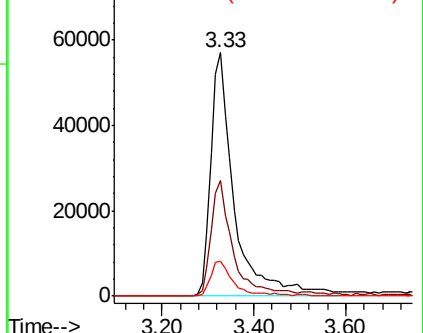
141 14.6 11.2 16.8

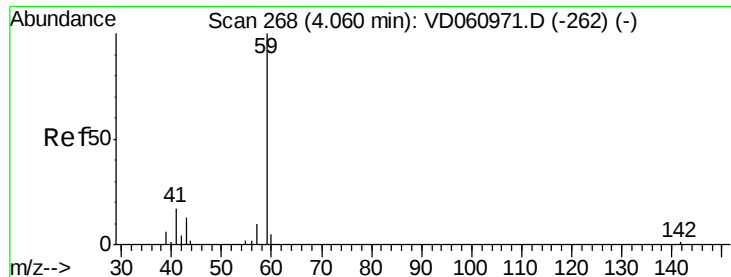


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 109.623 ug/l

RT: 4.08 min Scan# 269

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

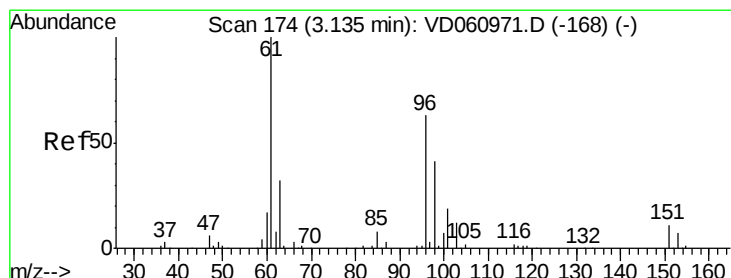
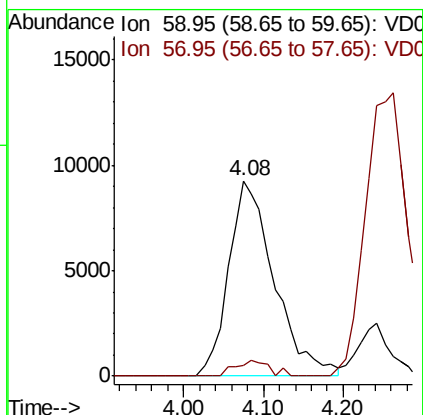
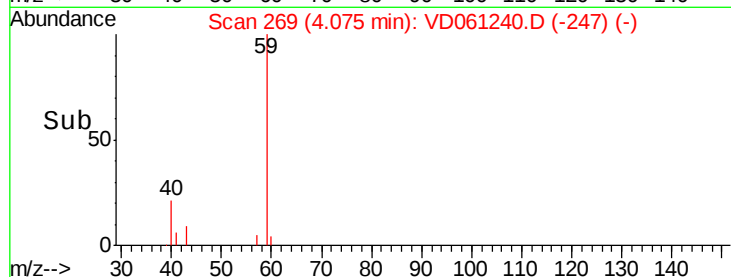
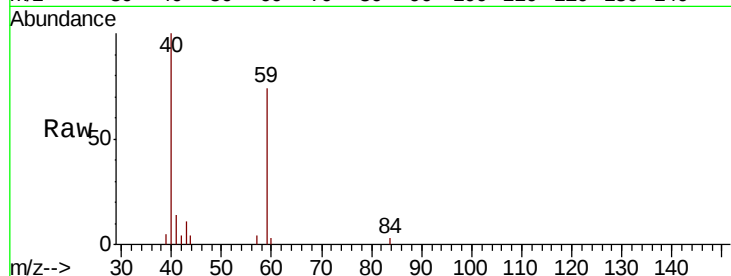
VD0321SBS01

Tot Ion: 59 Resp: 36839

Ion Ratio Lower Upper

59 100

57 5.5 7.1 10.7#



#12

1,1-Dichloroethene

Concen: 20.055 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

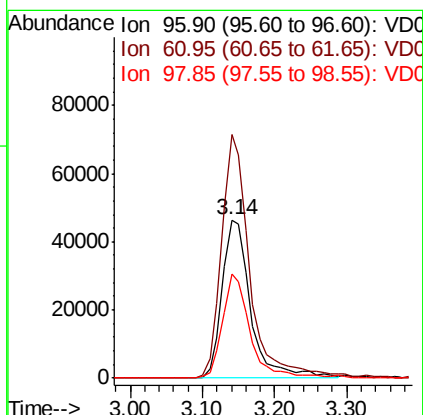
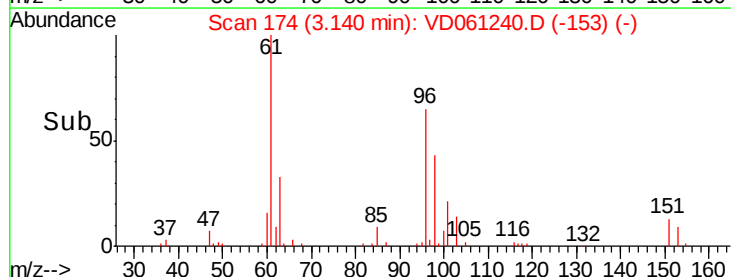
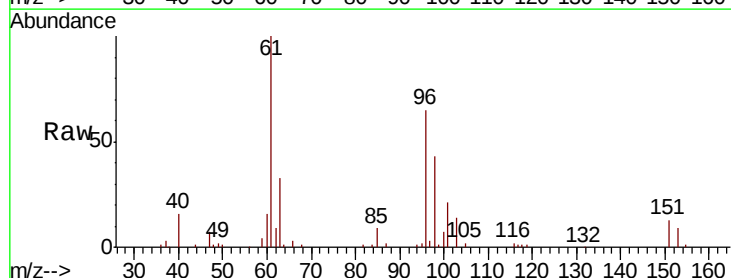
Tgt Ion: 96 Resp: 127667

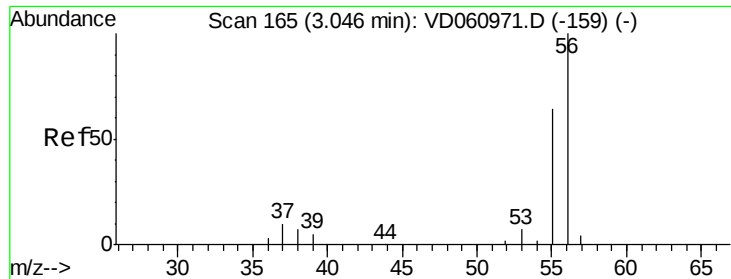
Ion Ratio Lower Upper

96 100

61 154.0 127.1 190.7

98 65.8 51.5 77.3





#13

Acrolein

Concen: 55.808 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

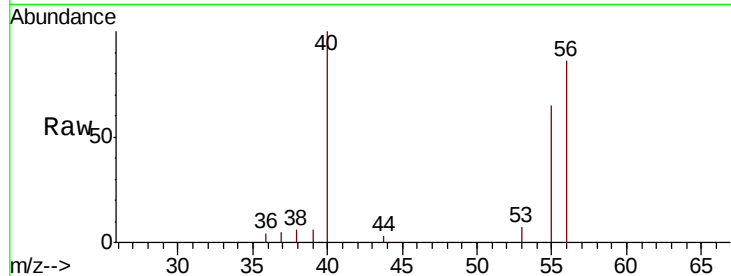
VD0321SBSD01

Tot Ion: 56 Resp: 27136

Ion Ratio Lower Upper

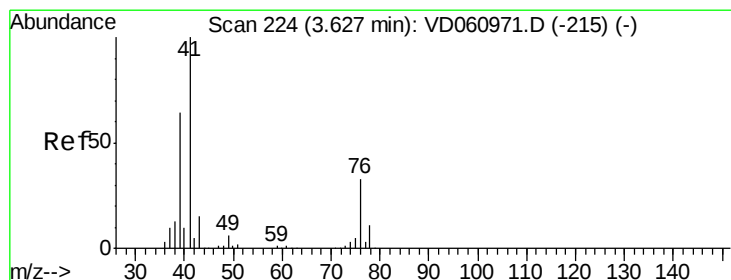
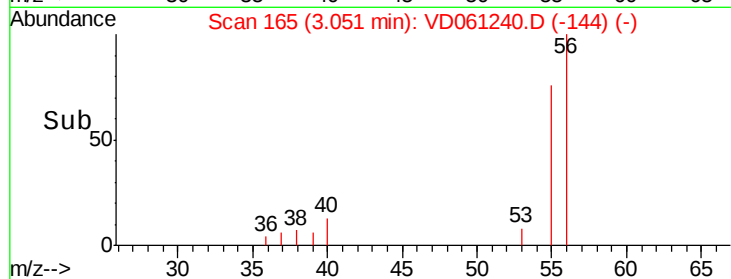
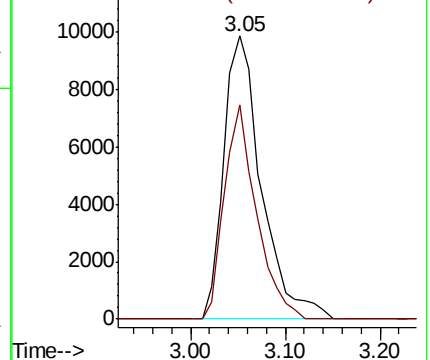
56 100

55 75.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.951 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

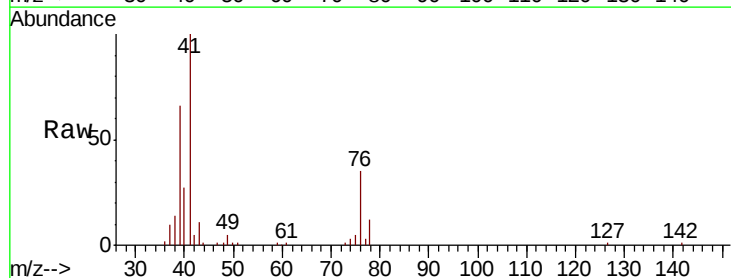
Tgt Ion: 41 Resp: 193015

Ion Ratio Lower Upper

41 100

39 66.2 51.1 76.7

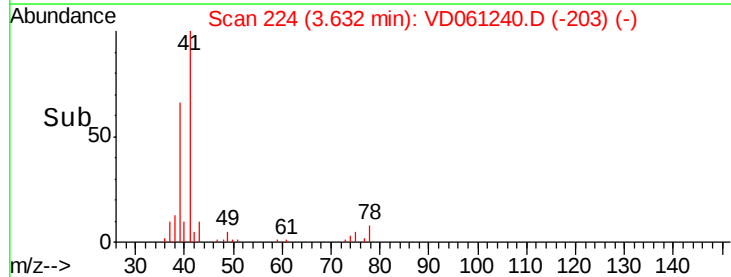
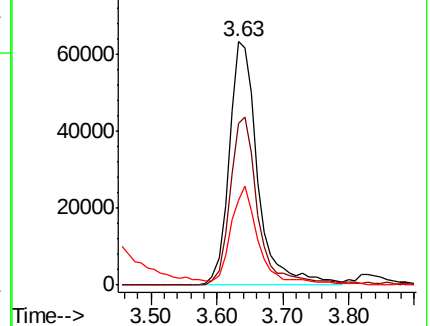
76 34.9 29.1 43.7

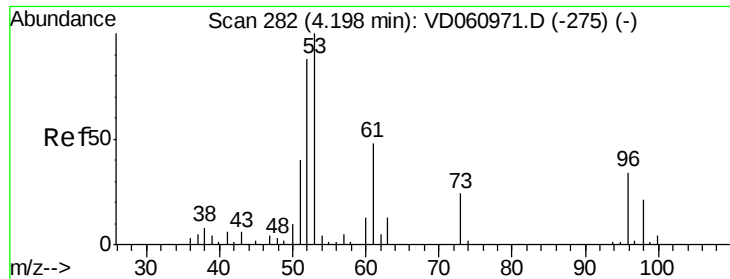


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

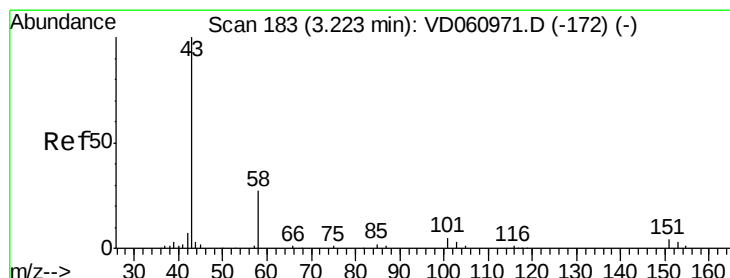
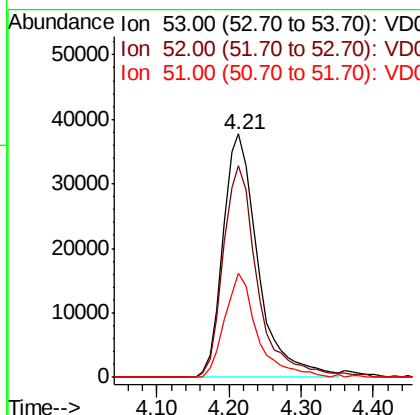
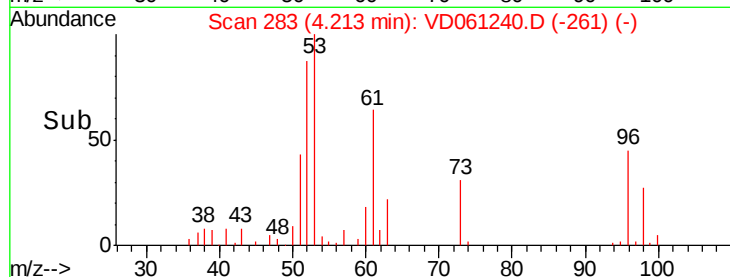
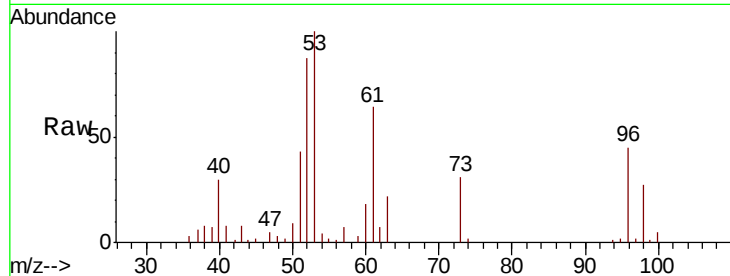




#15
 Acrylonitrile
 Concen: 107.219 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

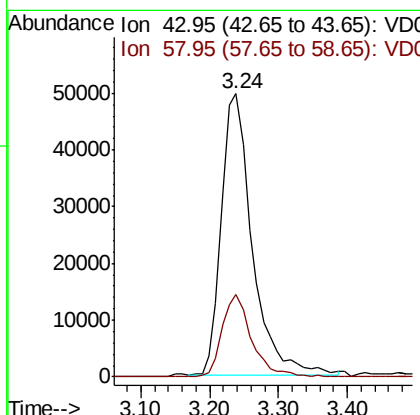
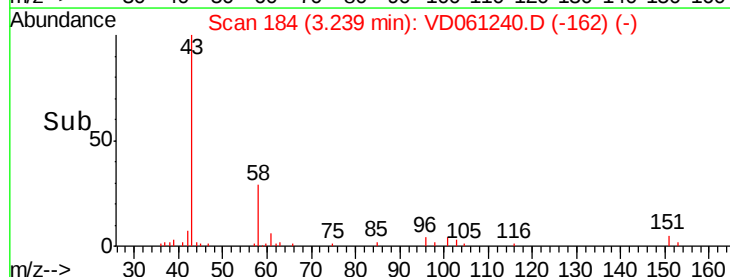
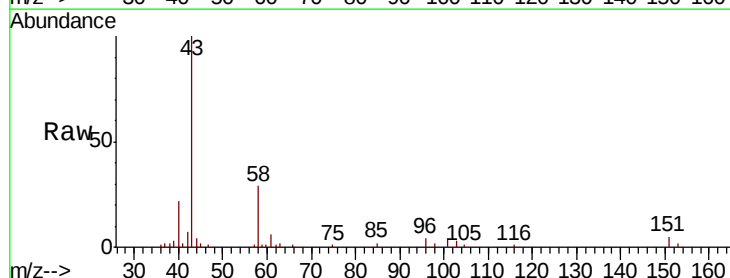
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

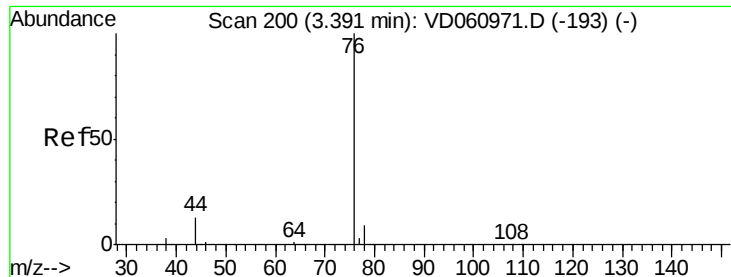
Tot Ion: 53 Resp: 127345
 Ion Ratio Lower Upper
 53 100
 52 86.8 70.2 105.4
 51 42.5 31.7 47.5



#16
 Acetone
 Concen: 101.476 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion: 43 Resp: 153177
 Ion Ratio Lower Upper
 43 100
 58 29.1 21.6 32.4

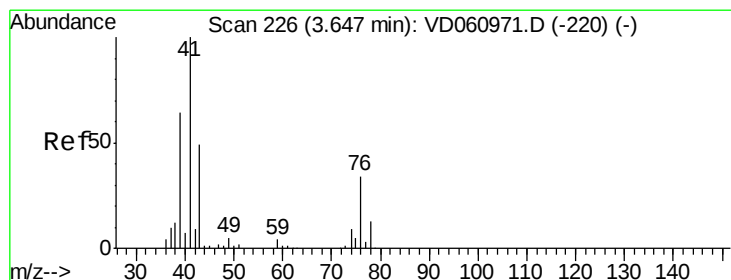
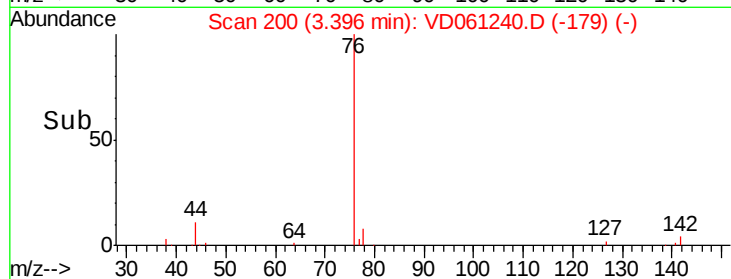
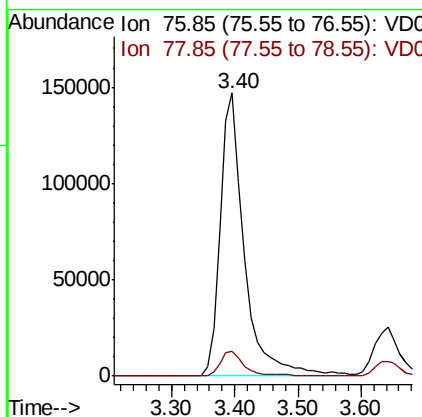
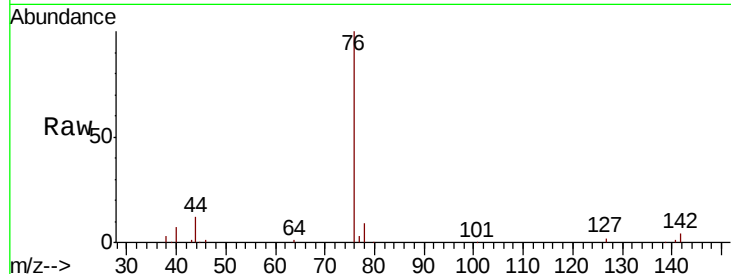




#17
Carbon Disulfide
Concen: 18.252 ug/l
RT: 3.40 min Scan# 200
Delta R.T. 0.01 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

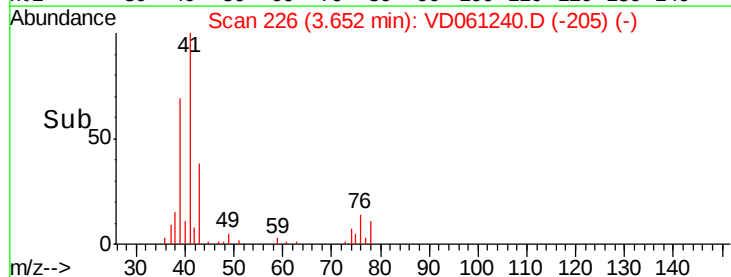
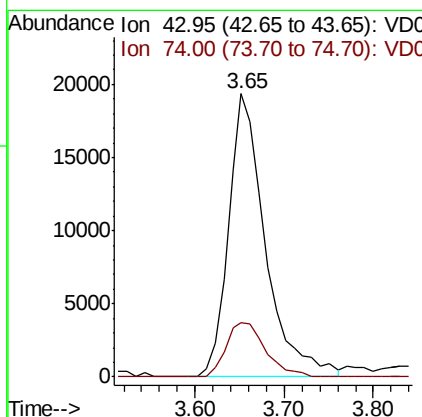
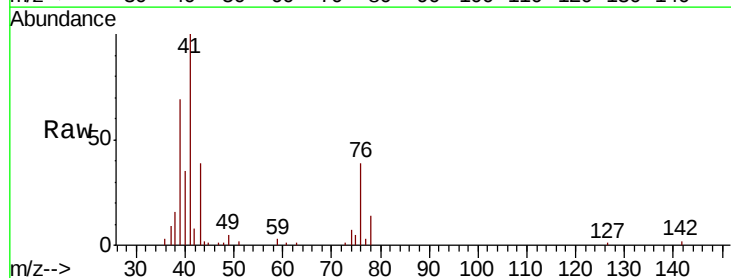
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBSD01

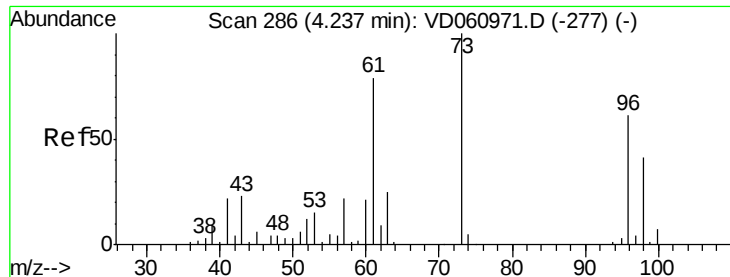
Tot Ion: 76 Resp: 391928
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 18.794 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion: 43 Resp: 55829
Ion Ratio Lower Upper
43 100
74 19.4 14.6 21.8

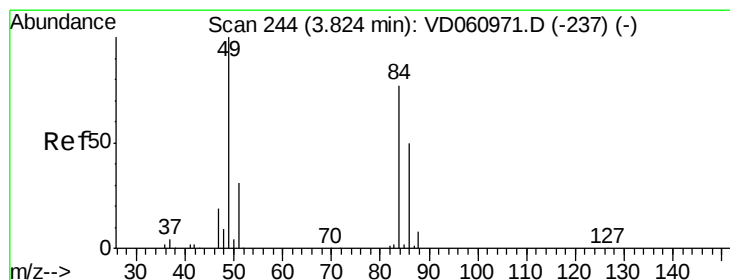
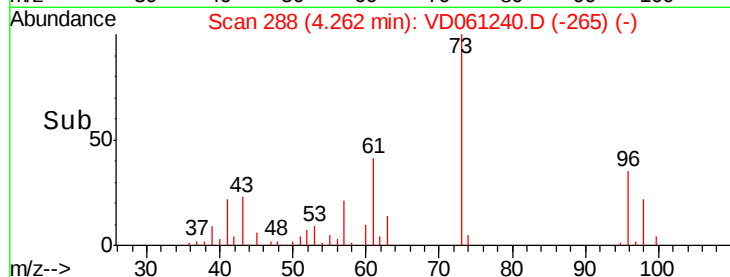
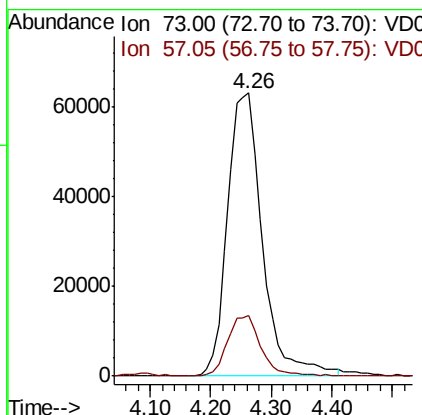
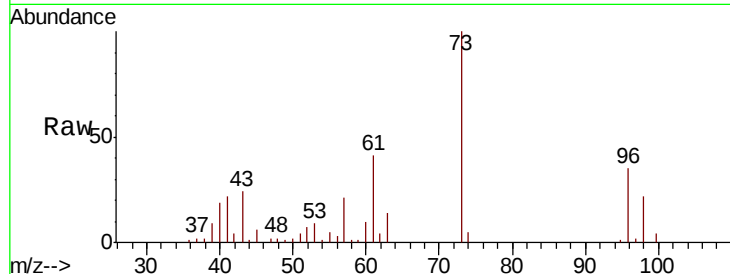




#19
Methyl tert-butyl Ether
Concen: 22.659 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.03 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

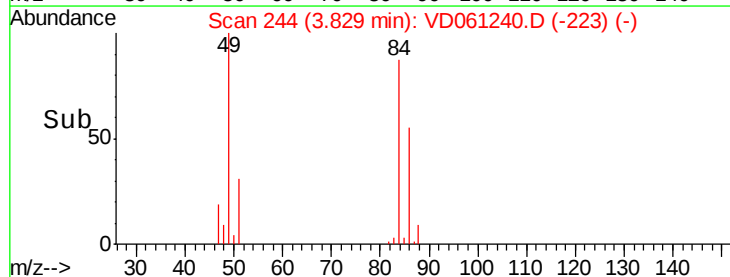
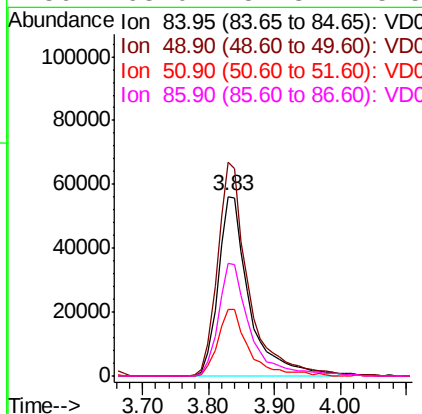
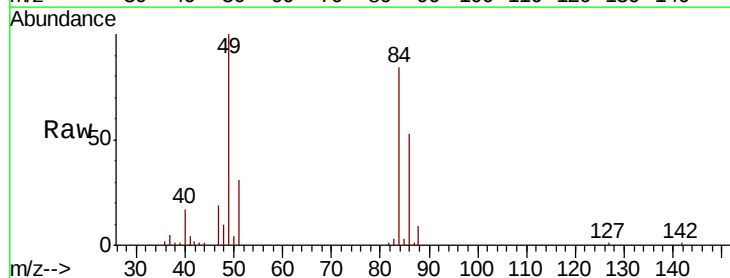
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBSD01

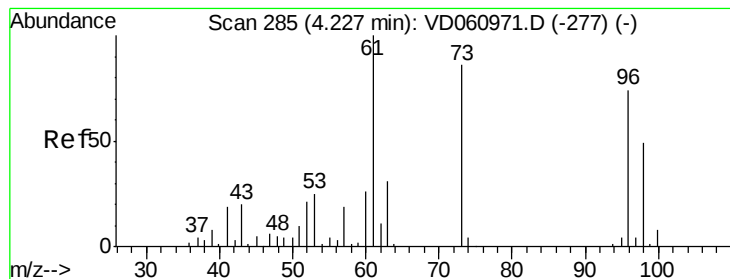
Tot Ion: 73 Resp: 252779
Ion Ratio Lower Upper
73 100
57 21.3 17.7 26.5



#20
Methylene Chloride
Concen: 24.301 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion: 84 Resp: 183754
Ion Ratio Lower Upper
84 100
49 118.8 104.2 156.2
51 37.3 32.3 48.5
86 63.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.373 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBSD01

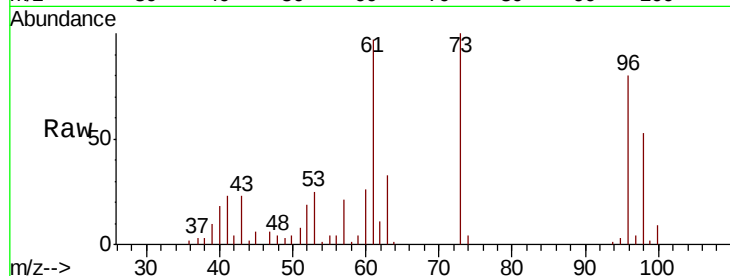
Tot Ion: 96 Resp: 147261

Ion Ratio Lower Upper

96 100

61 121.7 108.4 162.6

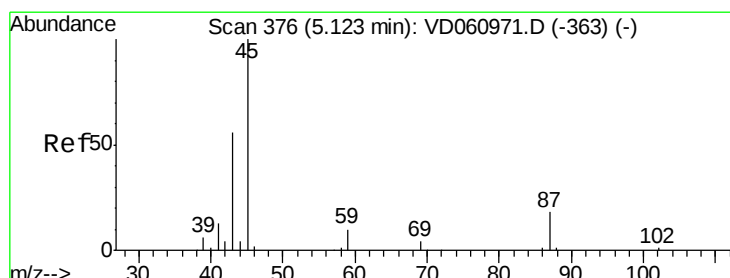
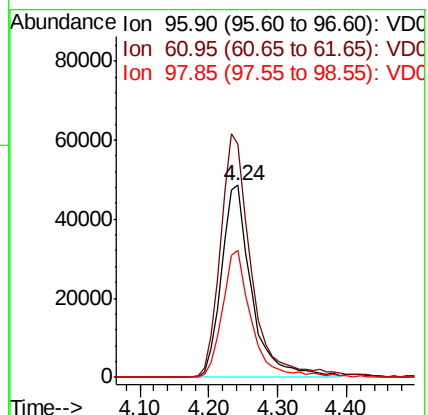
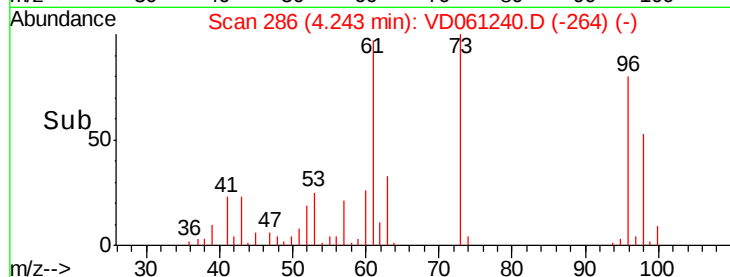
98 66.3 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.556 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Tgt Ion: 45 Resp: 413475

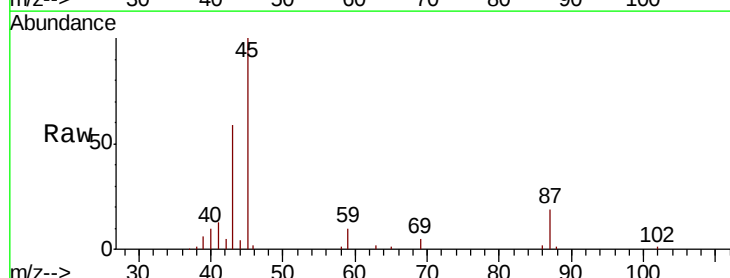
Ion Ratio Lower Upper

45 100

43 58.6 45.8 68.8

87 18.7 14.9 22.3

59 9.9 8.0 12.0

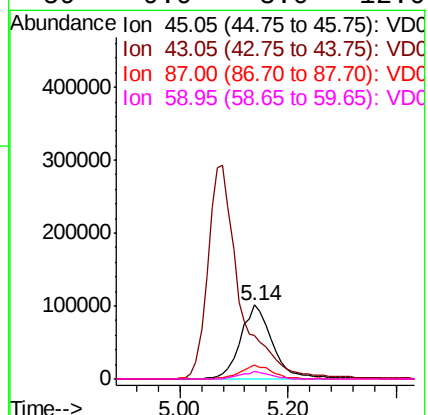
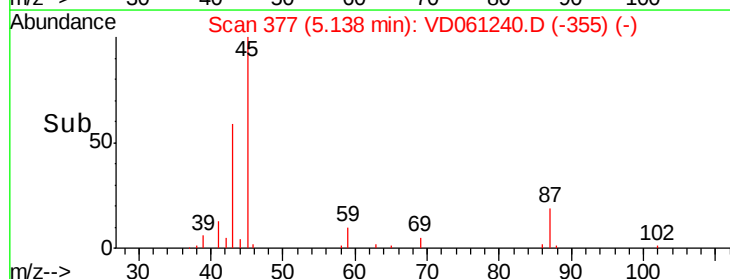


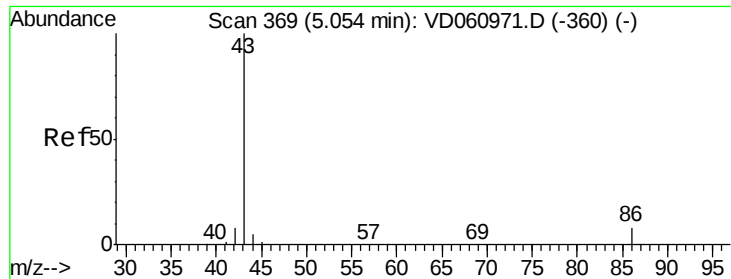
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 108.599 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.03 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

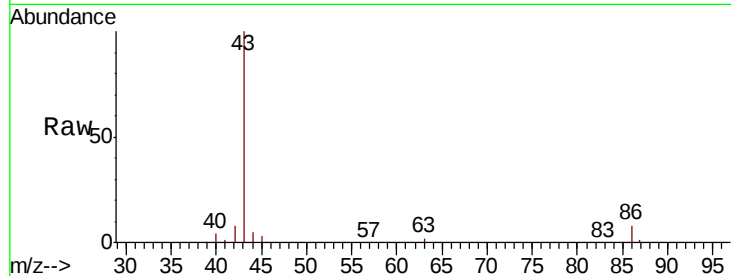
VD0321SBS01

Tot Ion: 43 Resp: 1178713

Ion Ratio Lower Upper

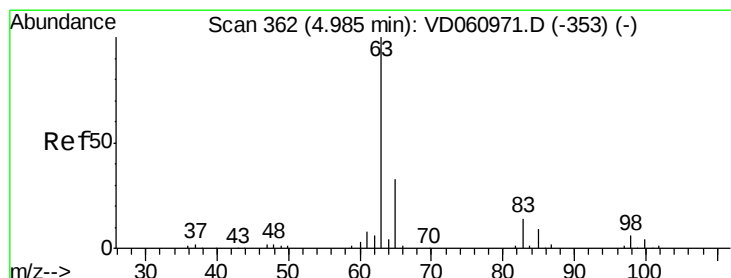
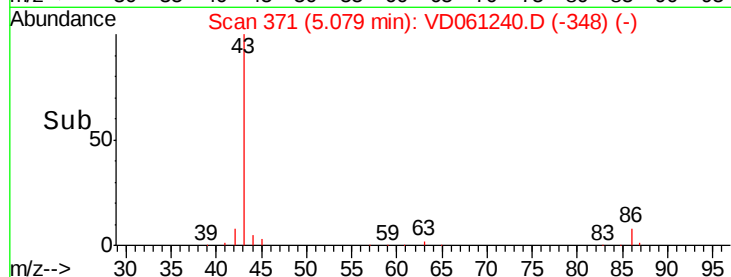
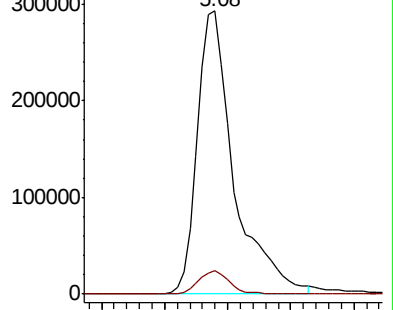
43 100

86 8.1 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VD061240.D (-360) (-)

Ion 86.00 (85.70 to 86.70): VD061240.D (-360) (-)



#24

1,1-Dichloroethane

Concen: 21.242 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

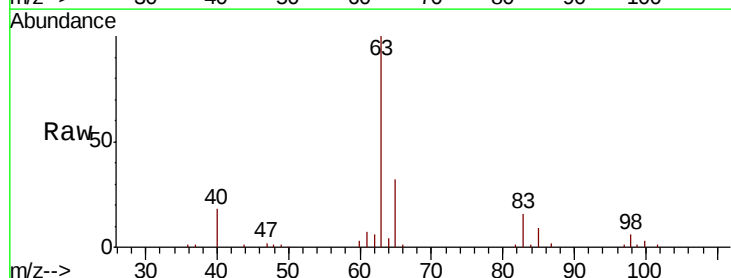
Tgt Ion: 63 Resp: 246081

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

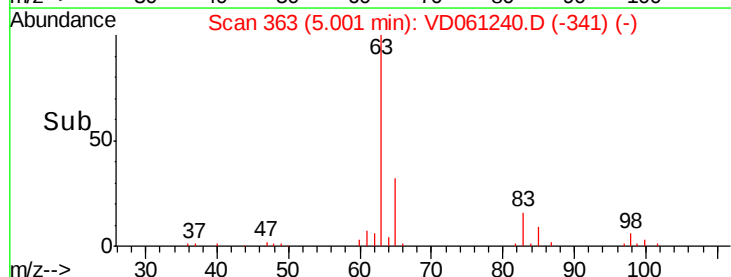
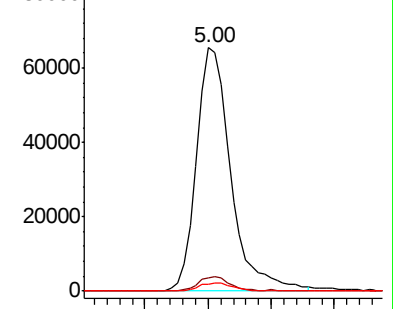
100 2.9 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VD061240.D (-341) (-)

Ion 97.95 (97.65 to 98.65): VD061240.D (-341) (-)

Ion 99.95 (99.65 to 100.65): VD061240.D (-341) (-)





#25

2-Butanone

Concen: 117.070 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

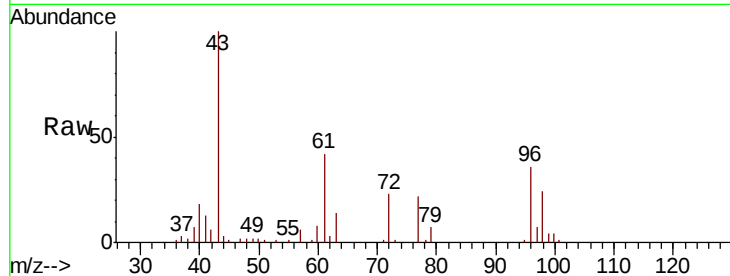
VD0321SBSD01

Tot Ion: 43 Resp: 200523

Ion Ratio Lower Upper

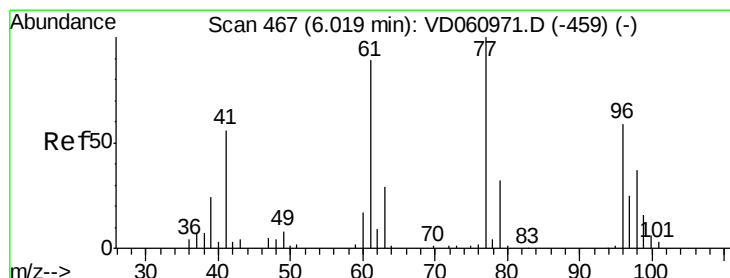
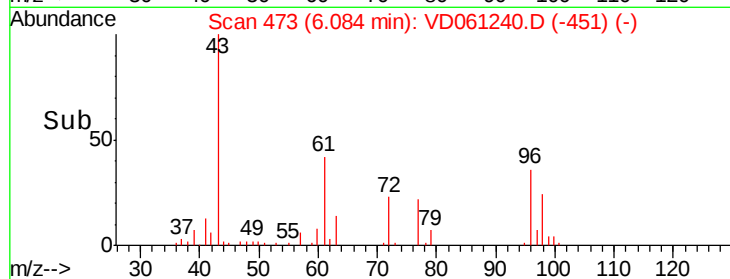
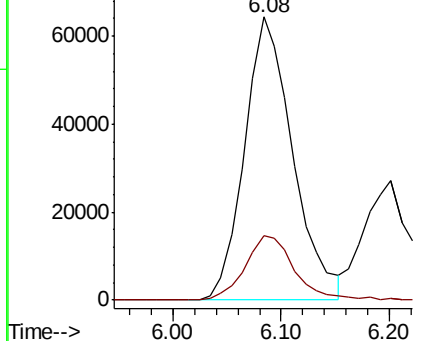
43 100

72 23.0 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.720 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.03 min

Lab File: VD061240.D

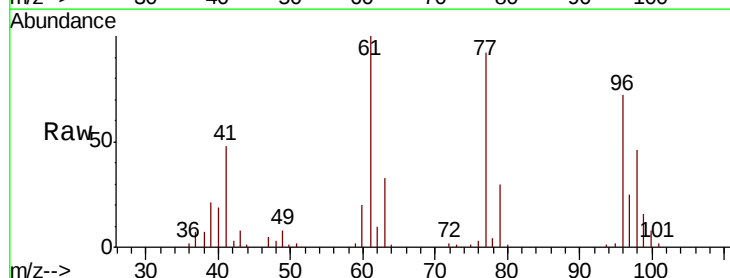
Acq: 21 Mar 2019 13:09

Tgt Ion: 77 Resp: 205465

Ion Ratio Lower Upper

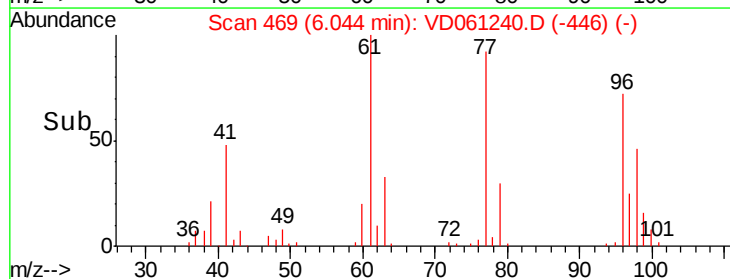
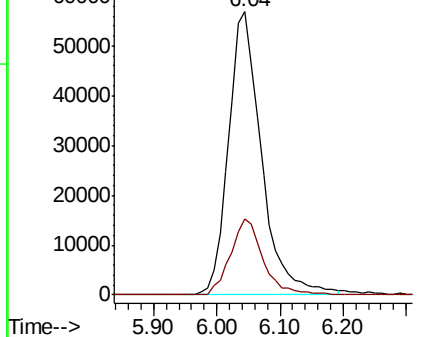
77 100

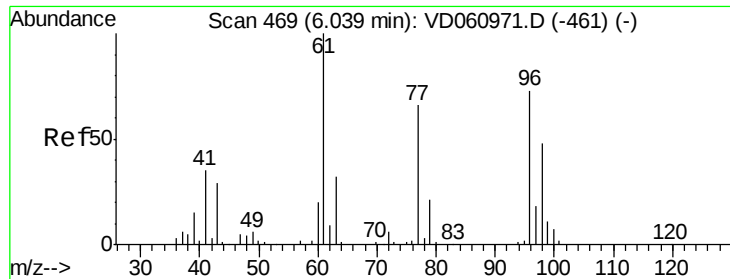
97 27.0 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



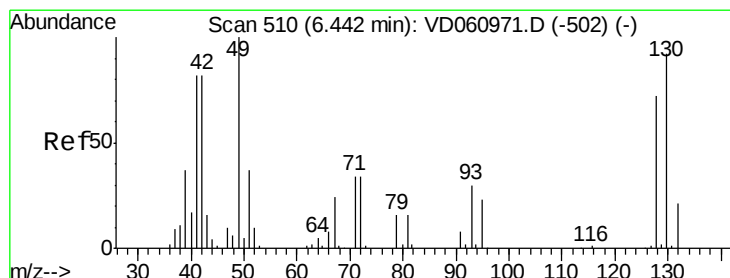
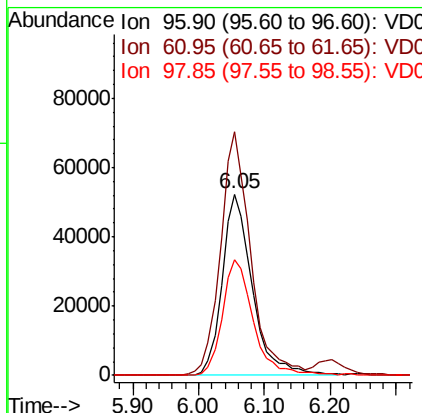
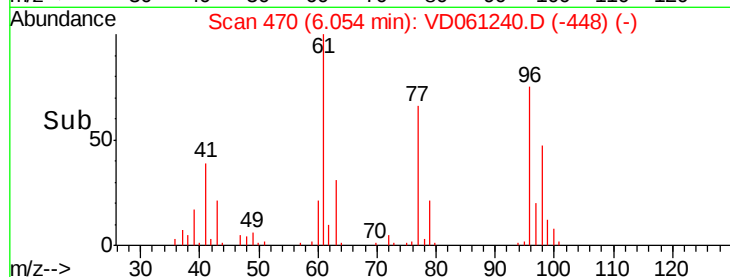
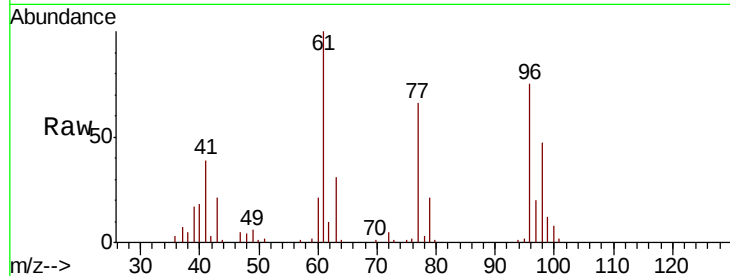


#27

cis-1,2-Dichloroethene
 Concen: 22.881 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBSD01

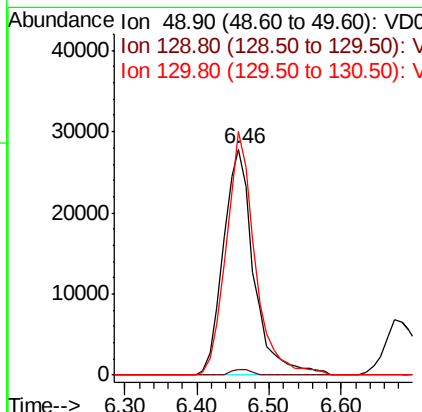
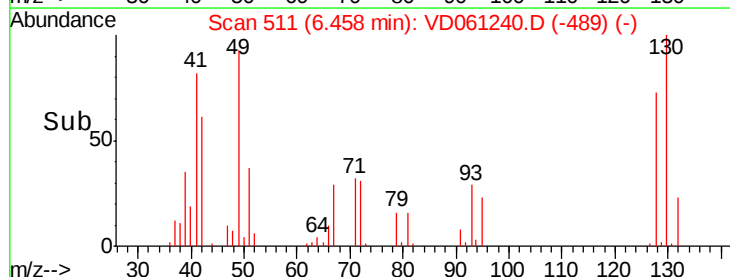
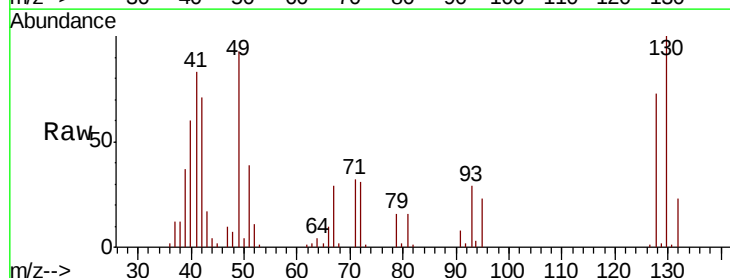
Tot Ion: 96 Resp: 167267
 Ion Ratio Lower Upper
 96 100
 61 134.2 0.0 273.6
 98 63.4 0.0 132.6



#28

Bromochloromethane
 Concen: 16.678 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion: 49 Resp: 81794
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.0
 130 107.8 73.8 110.8





#29

Tetrahydrofuran

Concen: 101.172 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

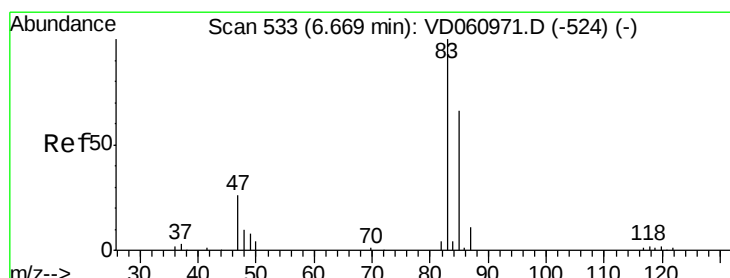
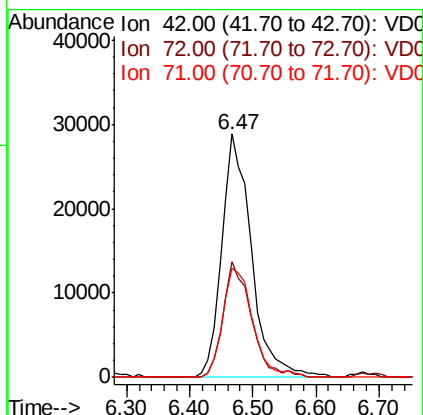
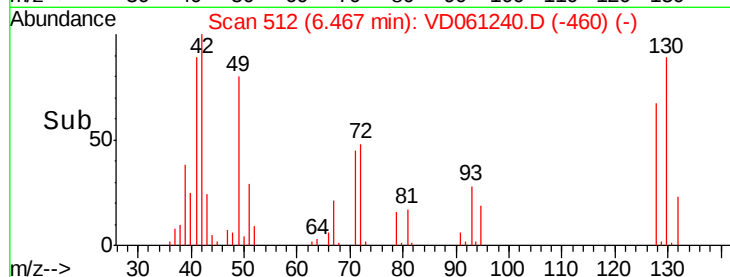
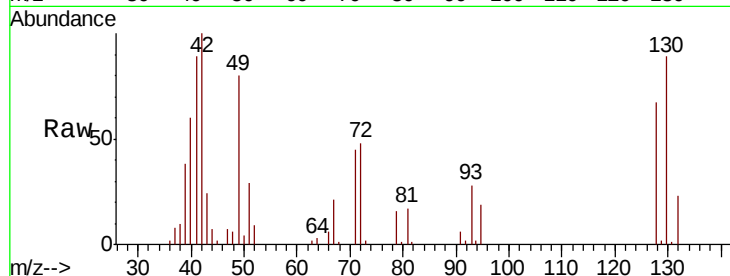
Tot Ion: 42 Resp: 94098

Ion Ratio Lower Upper

42 100

72 44.9 34.5 51.7

71 45.6 33.8 50.6



#30

Chloroform

Concen: 21.493 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD061240.D

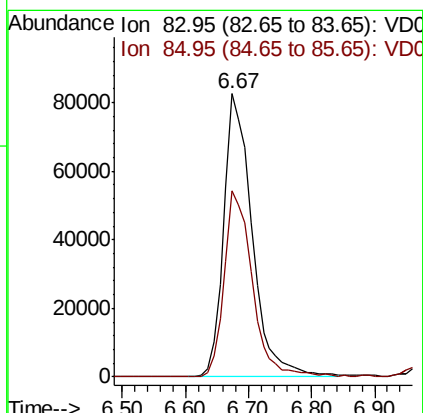
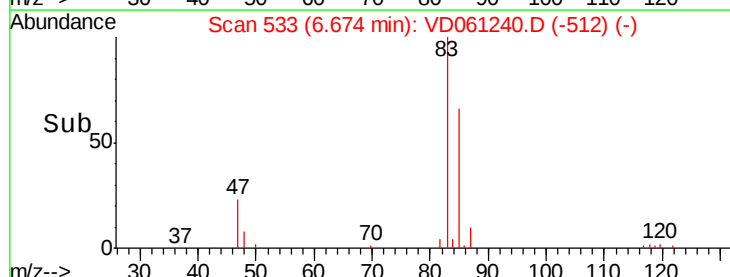
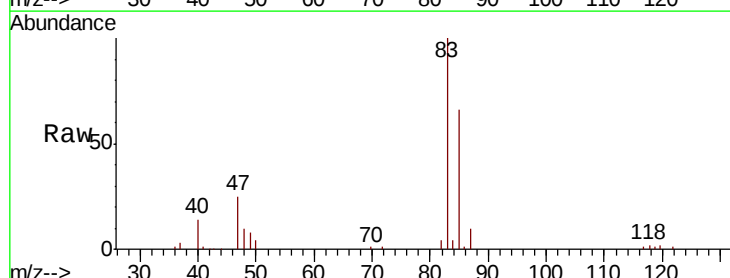
Acq: 21 Mar 2019 13:09

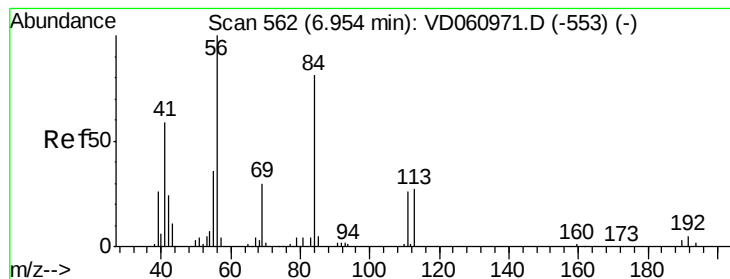
Tgt Ion: 83 Resp: 258054

Ion Ratio Lower Upper

83 100

85 65.9 53.0 79.4





#31

Cyclohexane

Concen: 20.040 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBSD01

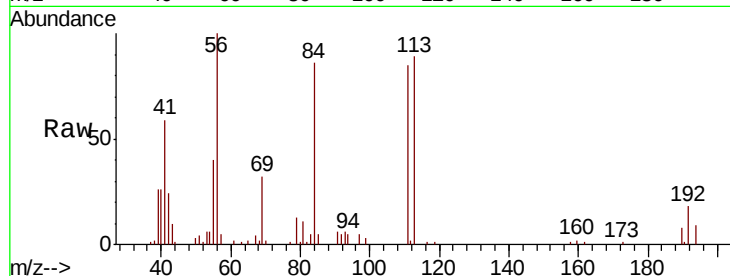
Tot Ion: 56 Resp: 187192

Ion Ratio Lower Upper

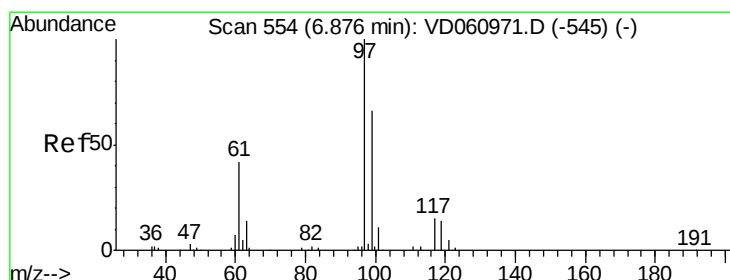
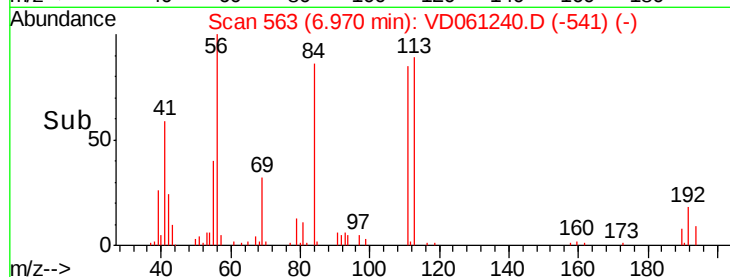
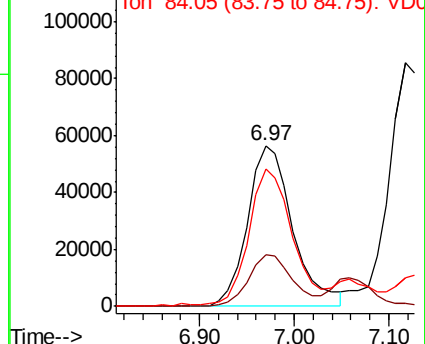
56 100

69 31.8 24.0 36.0

84 85.7 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 21.868 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

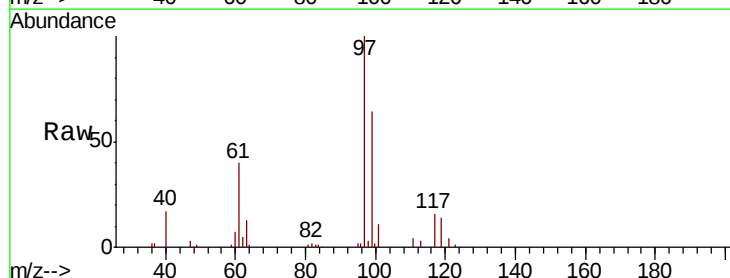
Tgt Ion: 97 Resp: 226993

Ion Ratio Lower Upper

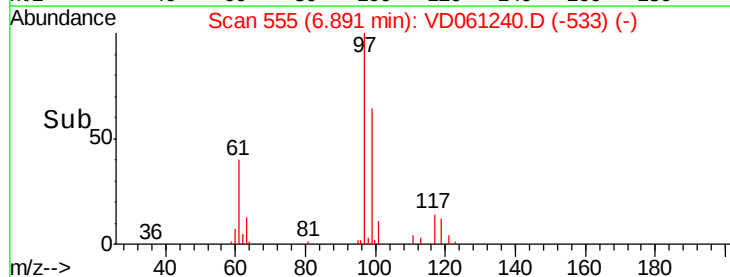
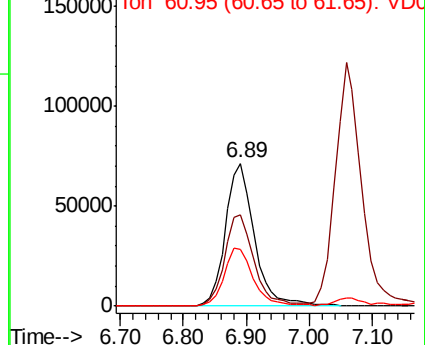
97 100

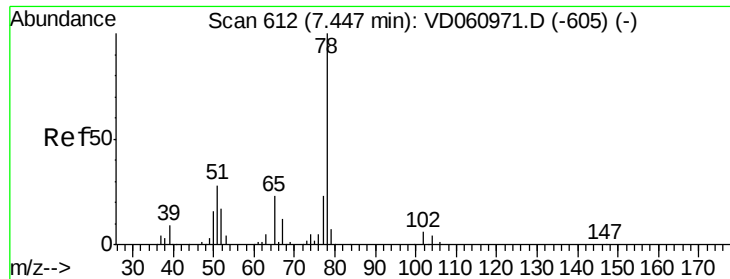
99 64.3 53.2 79.8

61 39.7 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 21.868 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

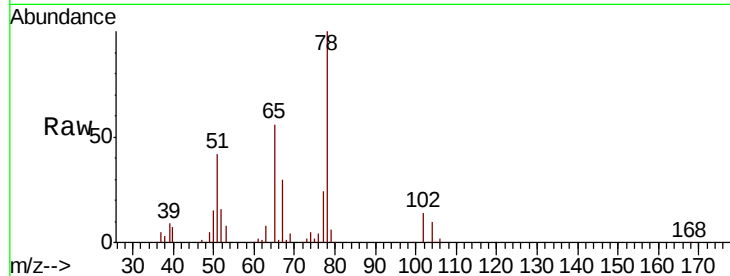
VD0321SBSD01

Tot Ion: 65 Resp: 261224

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

100000

80000

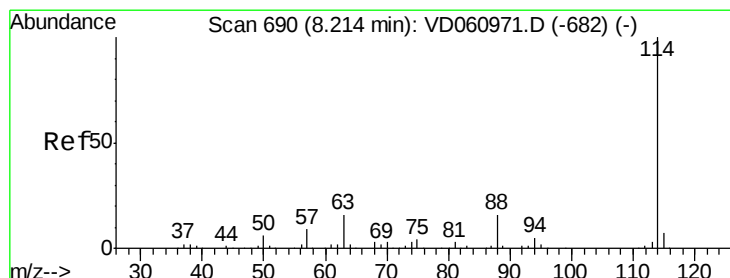
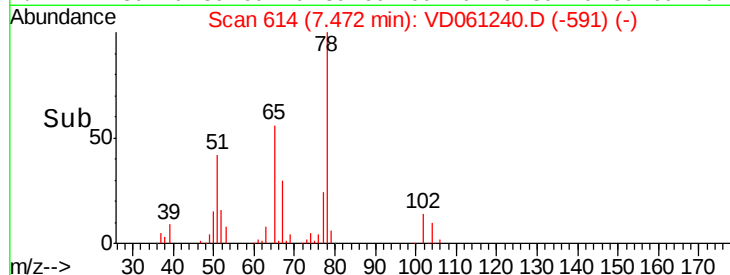
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

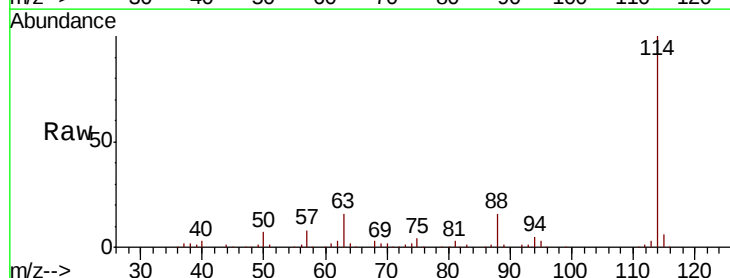
Tgt Ion: 114 Resp: 1097046

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.4

88 15.7 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

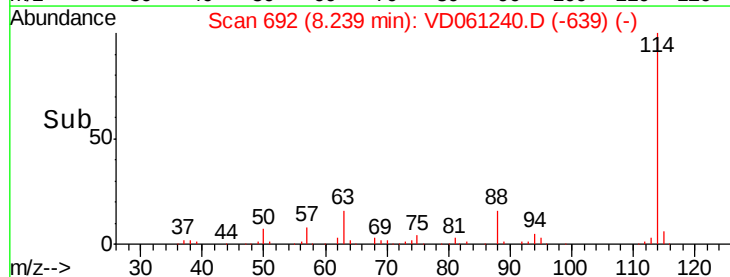
300000

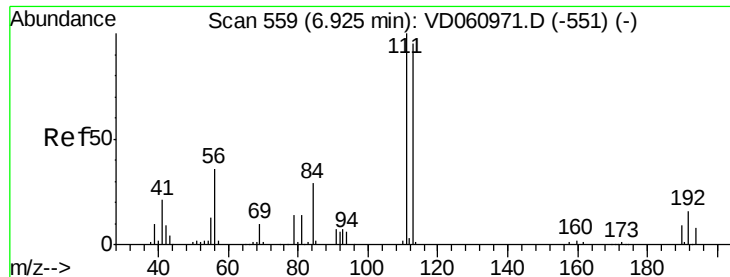
200000

100000

0

Time-->

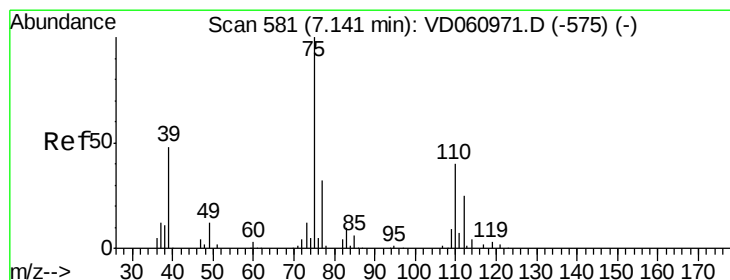
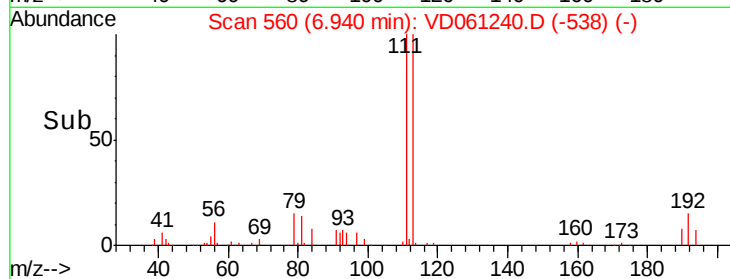
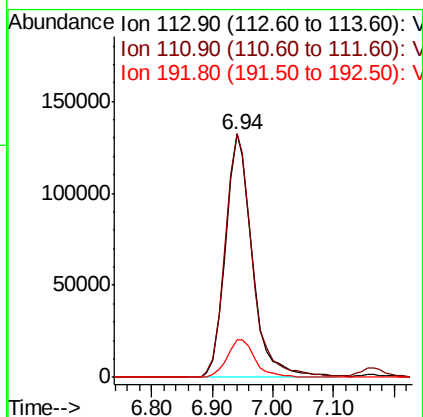
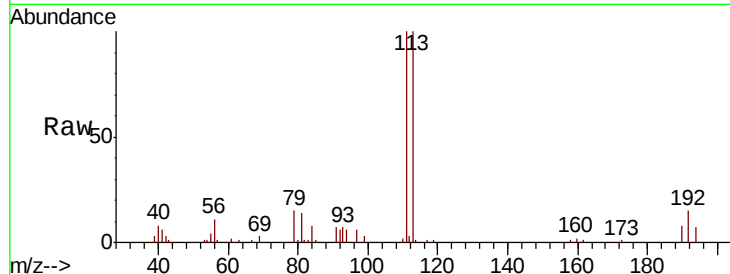




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

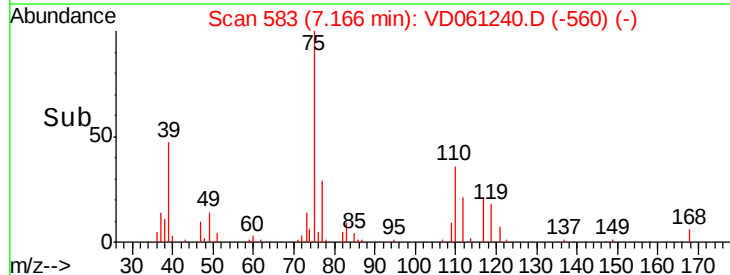
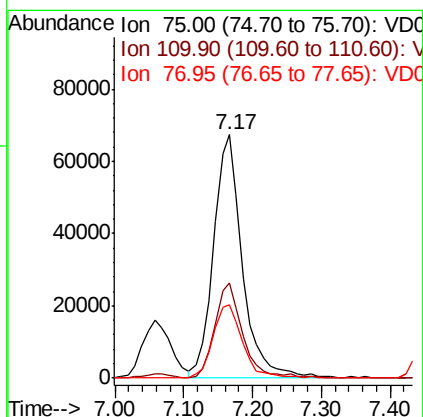
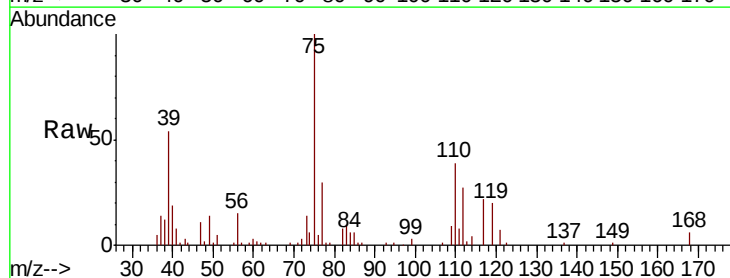
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBSD01

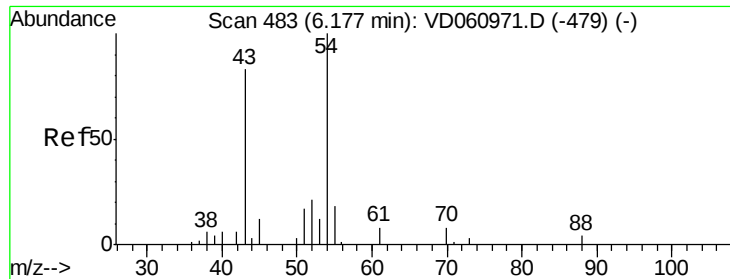
Tot Ion:113 Resp: 405680
 Ion Ratio Lower Upper
 113 100
 111 99.9 84.2 126.4
 192 15.4 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 20.618 ug/l
 RT: 7.17 min Scan# 583
 Delta R.T. 0.03 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion: 75 Resp: 194976
 Ion Ratio Lower Upper
 75 100
 110 39.3 19.7 59.1
 77 29.9 24.7 37.1

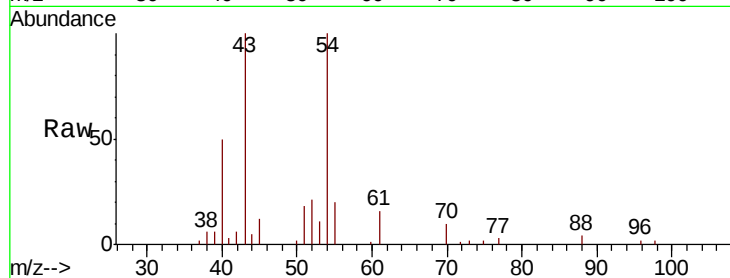




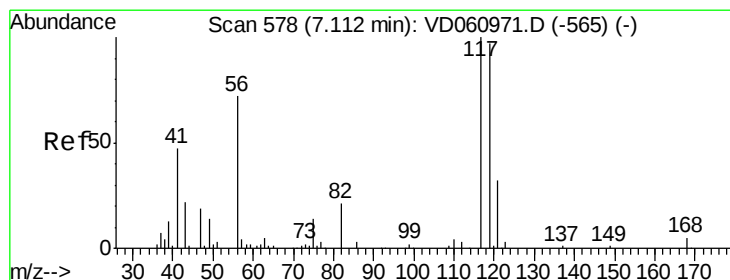
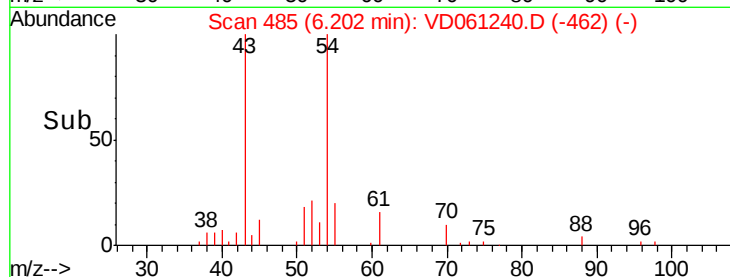
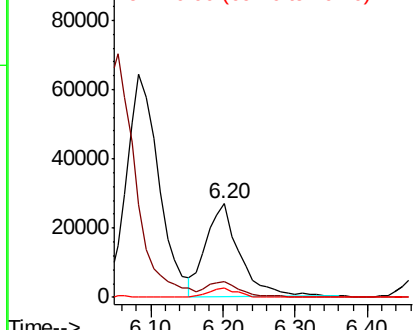
#37
Ethyl Acetate
Concen: 19.342 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

Tot Ion: 43 Resp: 85833
Ion Ratio Lower Upper
43 100
61 16.4 13.7 20.5
70 9.6 7.1 10.7

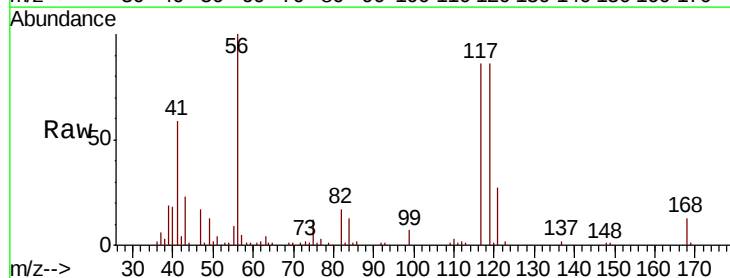


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

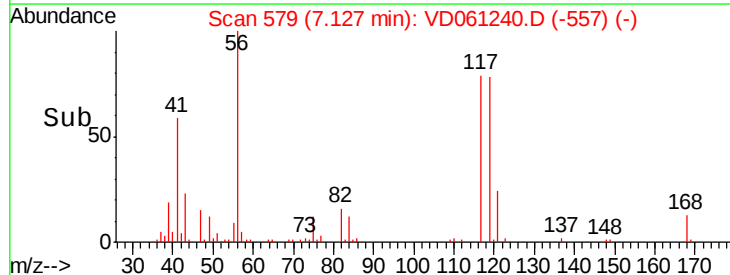
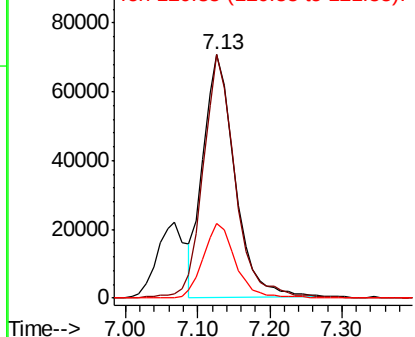


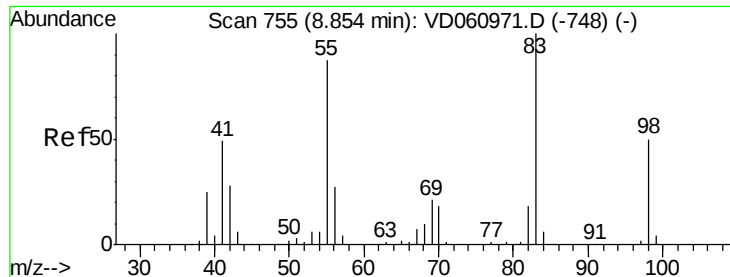
#38
Carbon Tetrachloride
Concen: 20.516 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion: 117 Resp: 213706
Ion Ratio Lower Upper
117 100
119 99.9 77.8 116.8
121 30.8 25.3 37.9



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

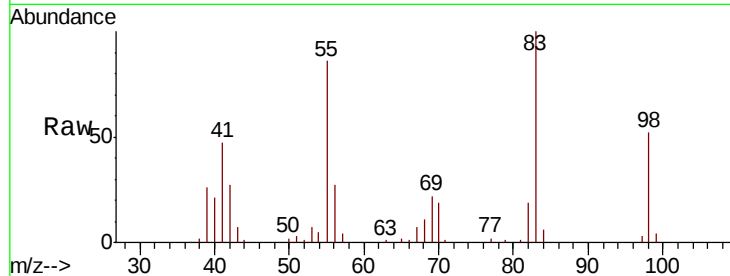




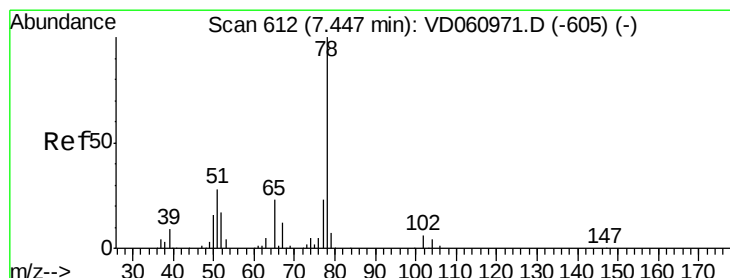
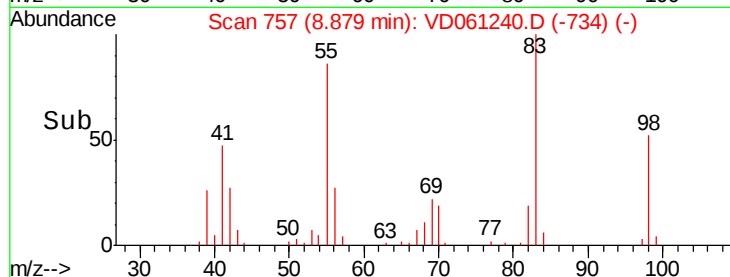
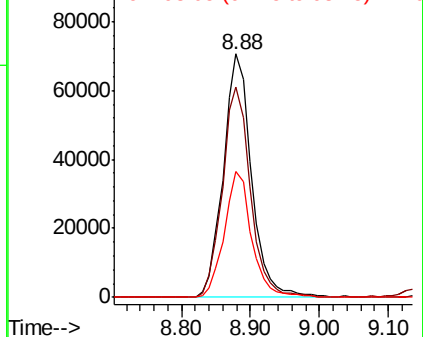
#39
Methvlcvclohexane
Concen: 20.446 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.03 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0321SBSD01

Tot Ion: 83 Resp: 200483
Ion Ratio Lower Upper
83 100
55 86.4 69.6 104.4
98 51.8 40.0 60.0

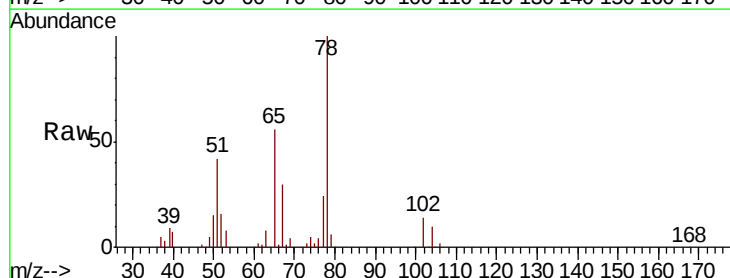


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

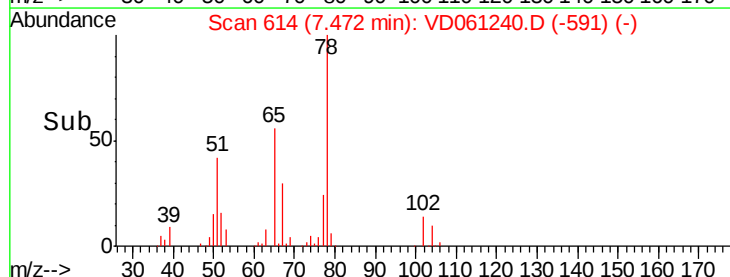
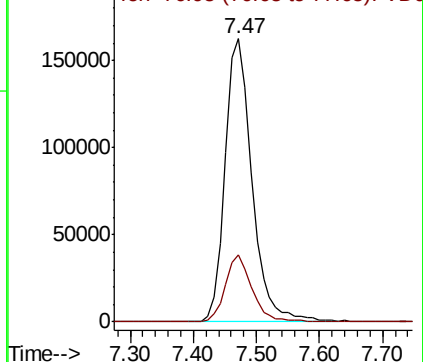


#40
Benzene
Concen: 20.354 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion: 78 Resp: 480940
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



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





#41

Methacrylonitrile

Concen: 20.393 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.03 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBSD01

Tot Ion: 41 Resp: 104090

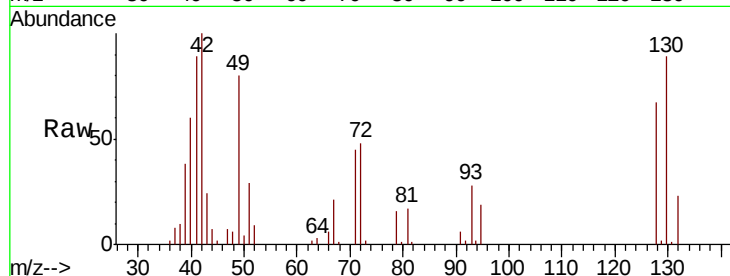
Ion Ratio Lower Upper

41 100

39 43.0 35.7 53.5

67 23.4 23.0 34.6

52 9.9 9.2 13.8

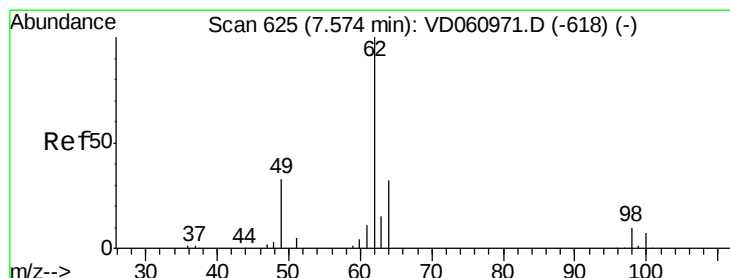
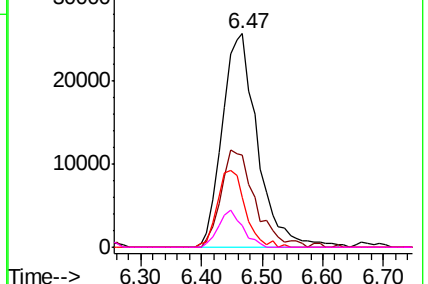
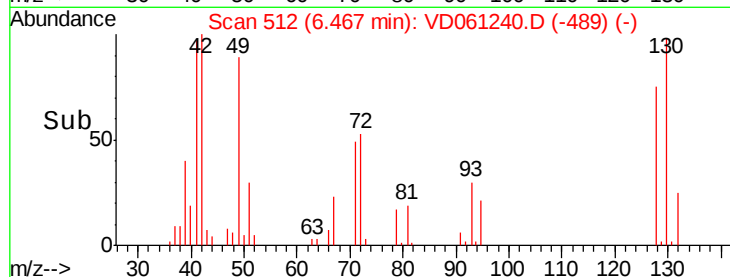


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.193 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD061240.D

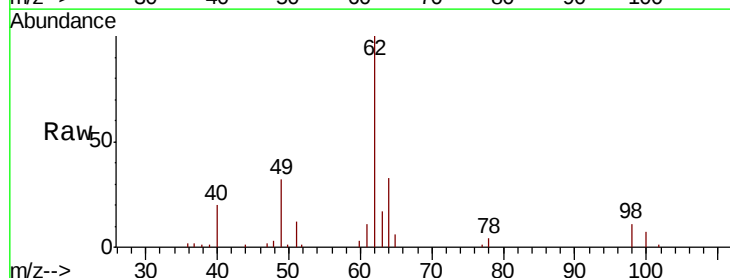
Acq: 21 Mar 2019 13:09

Tgt Ion: 62 Resp: 152182

Ion Ratio Lower Upper

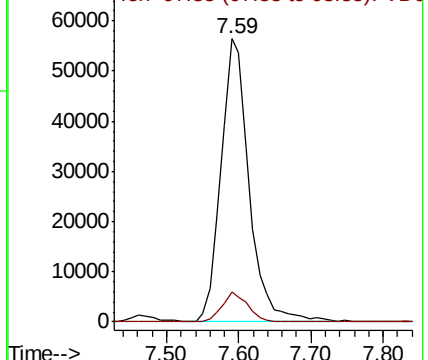
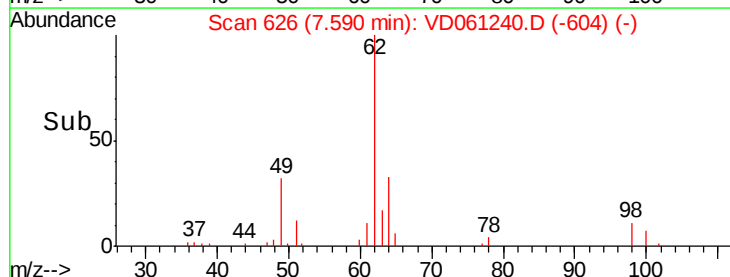
62 100

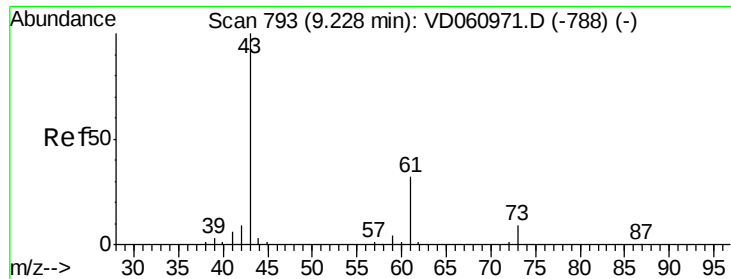
98 10.6 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



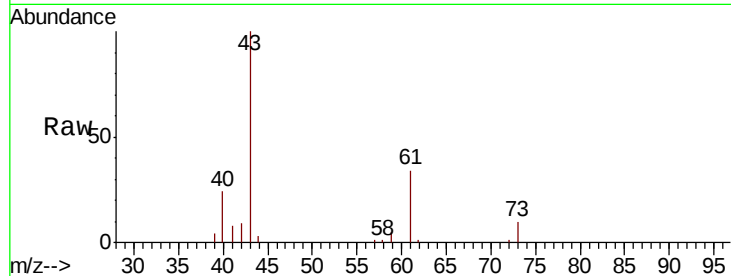


#43

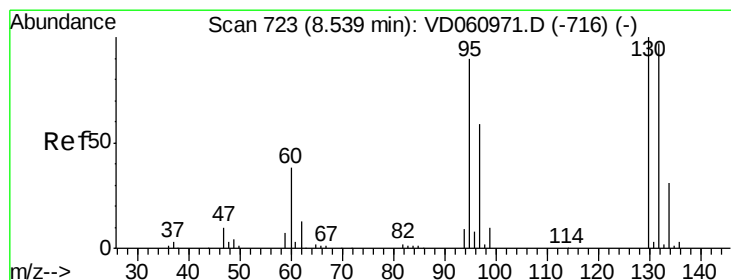
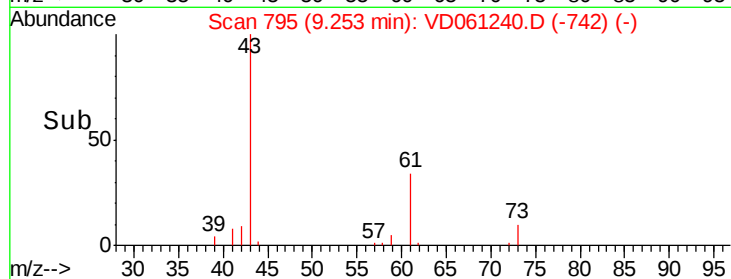
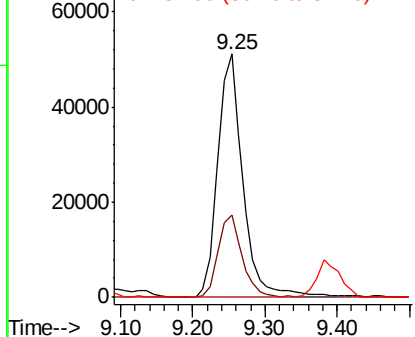
Isopropyl Acetate
 Concen: 19.929 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.03 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBSD01

Tot Ion: 43 Resp: 122488
 Ion Ratio Lower Upper
 43 100
 61 33.8 25.6 38.4
 87 0.0 0.2 0.4#



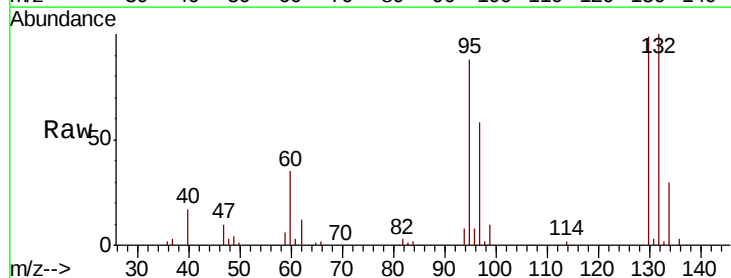
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



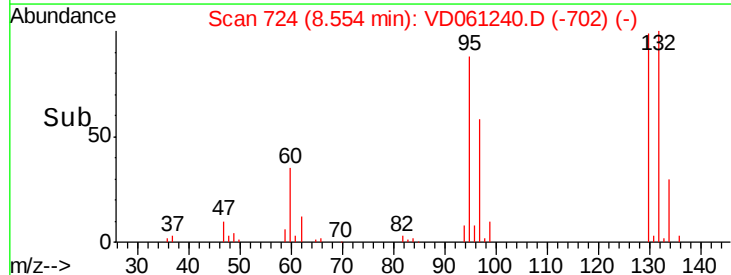
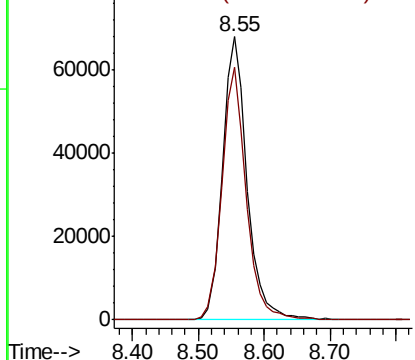
#44

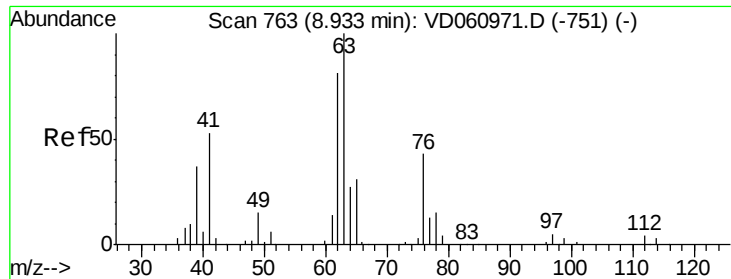
Trichloroethene
 Concen: 21.673 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion:130 Resp: 176676
 Ion Ratio Lower Upper
 130 100
 95 89.3 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 21.162 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

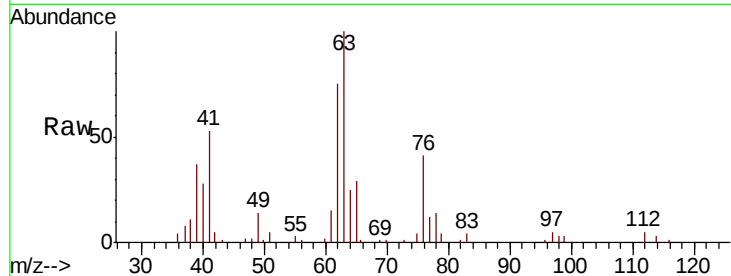
VD0321SBSD01

Tot Ion: 63 Resp: 131374

Ion Ratio Lower Upper

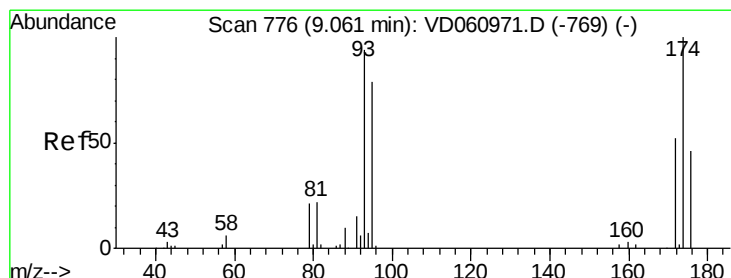
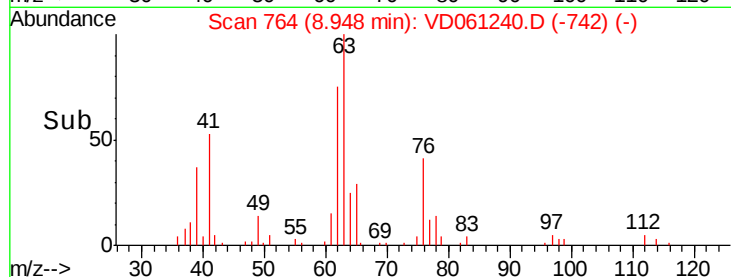
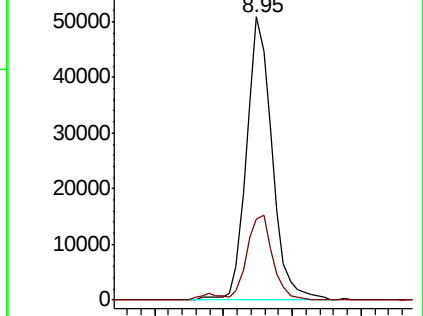
63 100

65 28.6 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.513 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

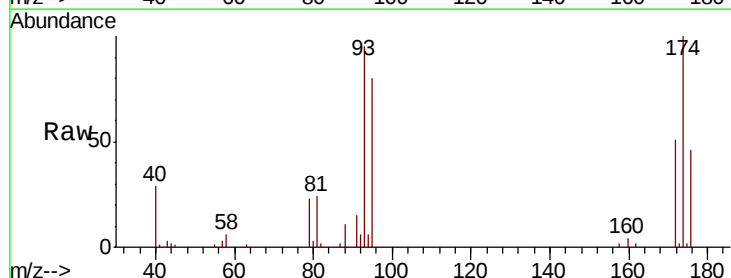
Tgt Ion: 93 Resp: 88653

Ion Ratio Lower Upper

93 100

95 84.6 67.4 101.0

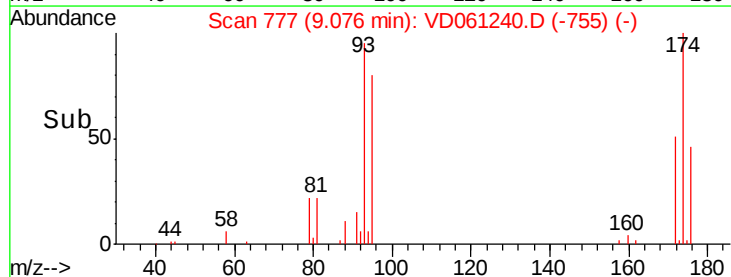
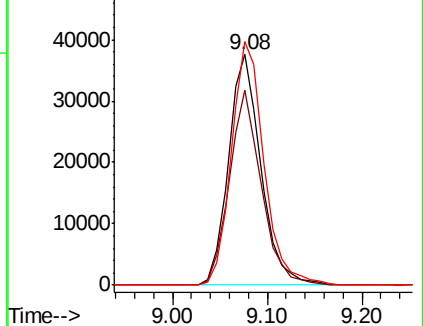
174 105.7 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.733 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBSD01

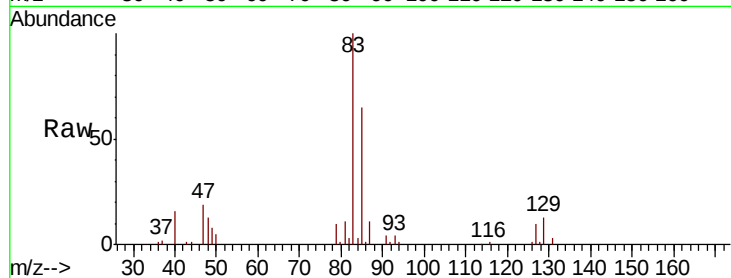
Tot Ion: 83 Resp: 184238

Ion Ratio Lower Upper

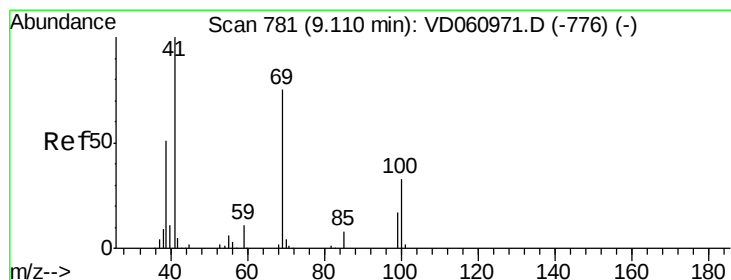
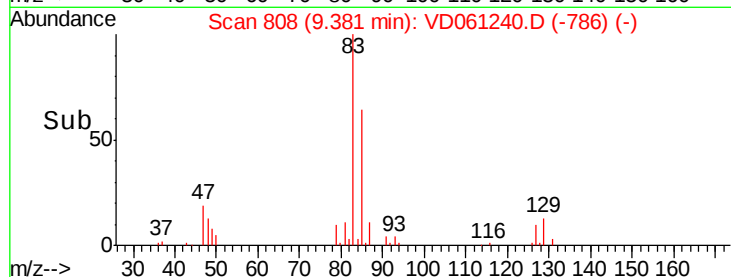
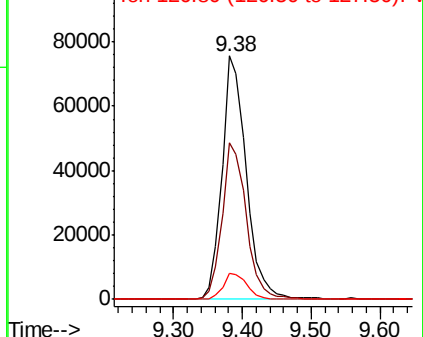
83 100

85 64.5 52.5 78.7

127 10.5 7.5 11.3



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



#48

Methyl methacrylate

Concen: 21.397 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

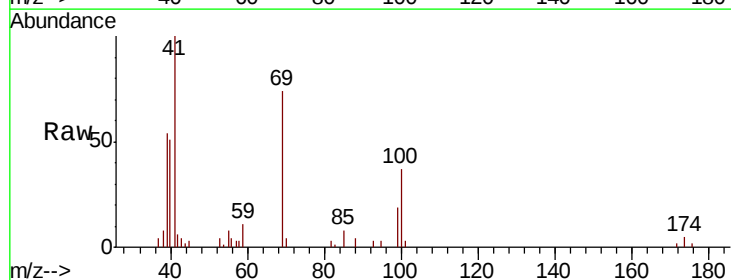
Tgt Ion: 41 Resp: 74045

Ion Ratio Lower Upper

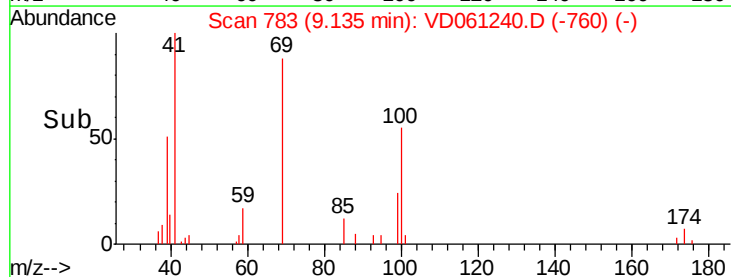
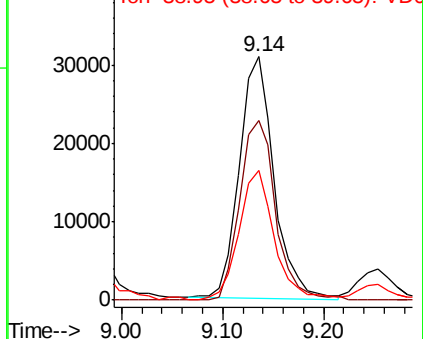
41 100

69 73.6 59.9 89.9

39 53.5 40.9 61.3



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





#49

1,4-Dioxane

Concen: 461.791 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBSD01

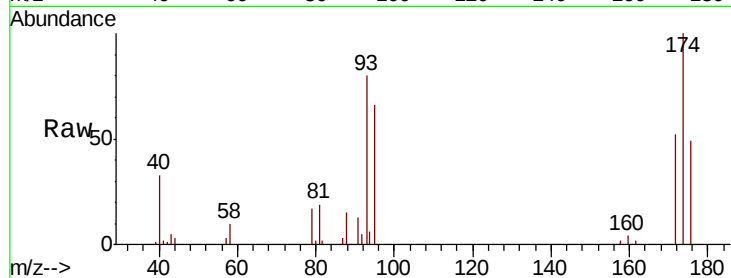
Tot Ion: 88 Resp: 16159

Ion Ratio Lower Upper

88 100

43 33.6 21.0 31.6#

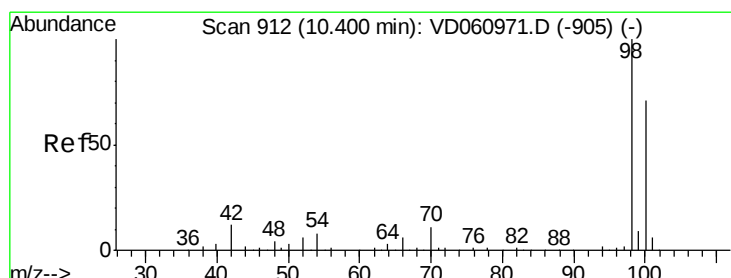
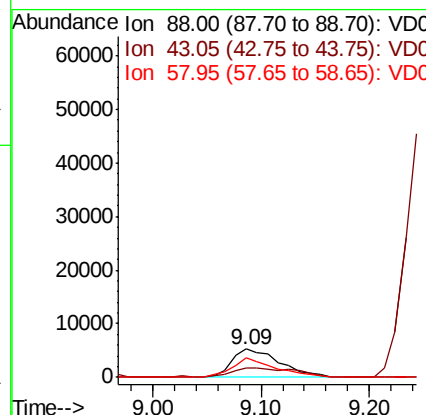
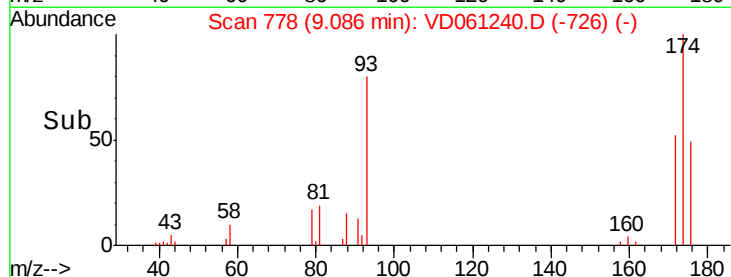
58 70.8 48.6 72.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 461.791 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061240.D

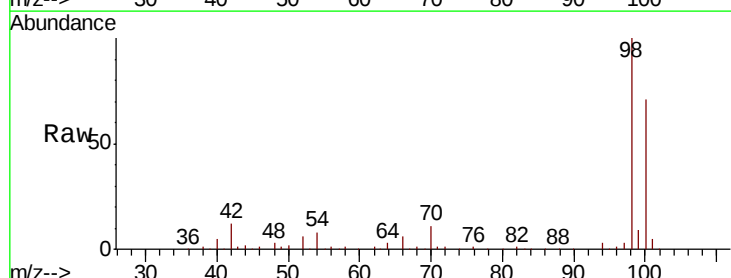
Acq: 21 Mar 2019 13:09

Tgt Ion: 98 Resp: 976031

Ion Ratio Lower Upper

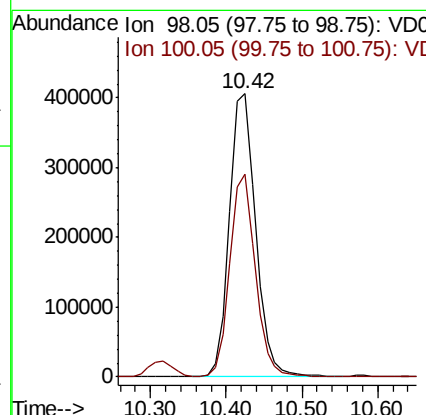
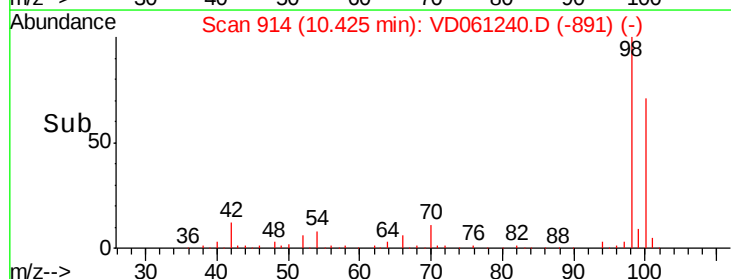
98 100

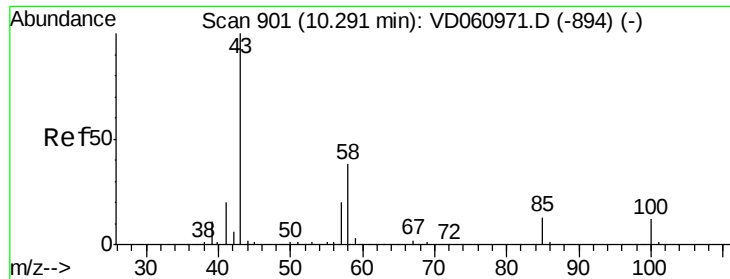
100 71.4 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 112.671 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

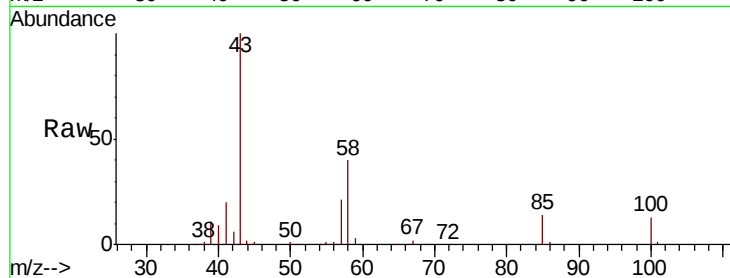
VD0321SBS01

Tot Ion: 43 Resp: 424239

Ion Ratio Lower Upper

43 100

58 40.1 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

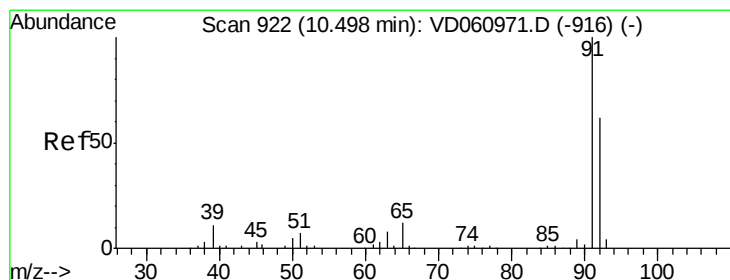
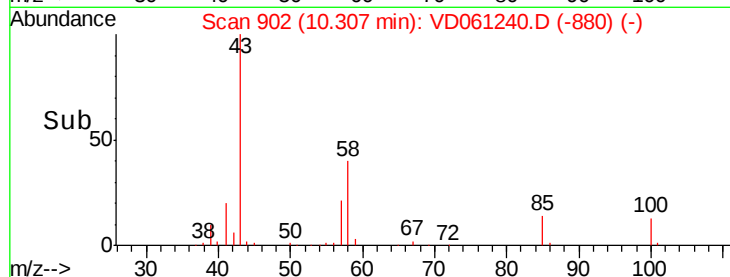
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.994 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061240.D

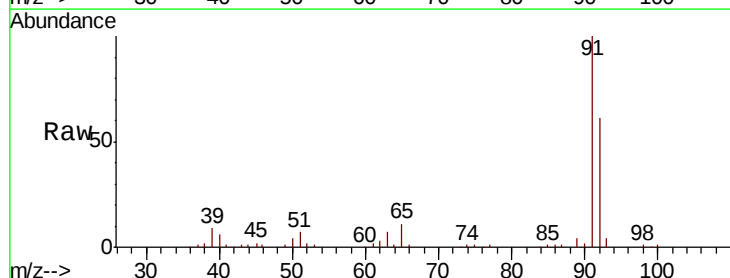
Acq: 21 Mar 2019 13:09

Tgt Ion: 92 Resp: 293776

Ion Ratio Lower Upper

92 100

91 163.4 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

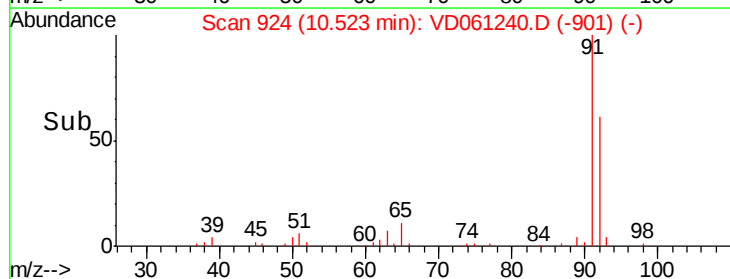
150000

100000

50000

0

Time-->

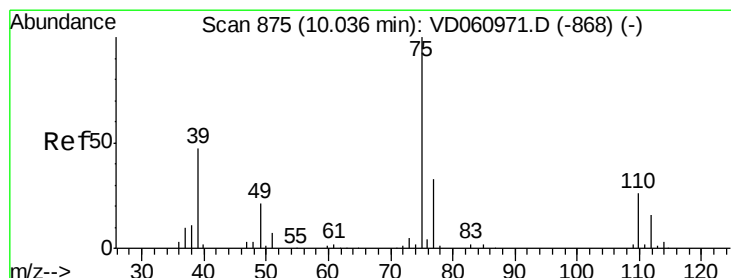
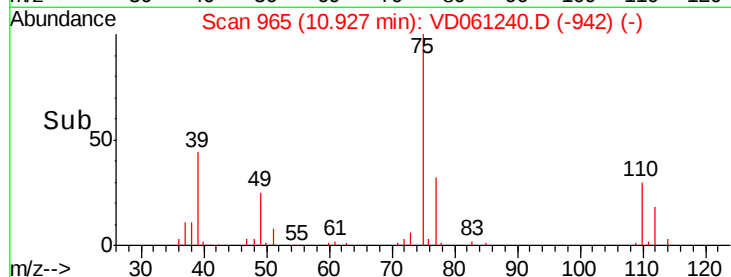
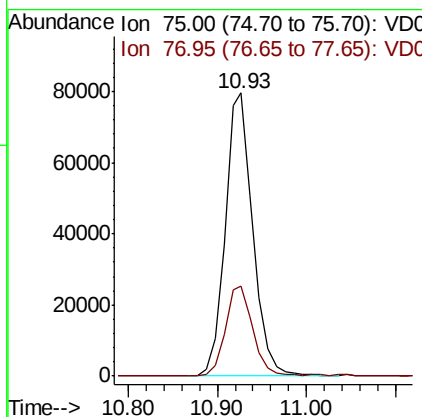
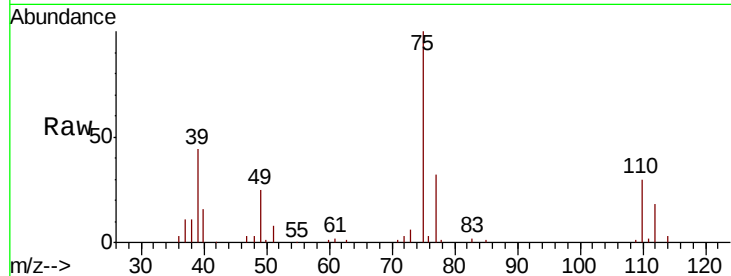




#53
 t-1,3-Dichloropropene
 Concen: 21.138 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.03 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

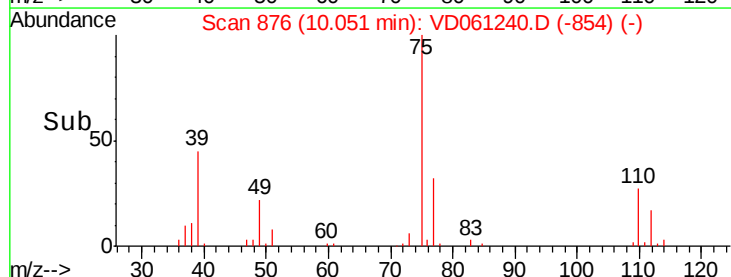
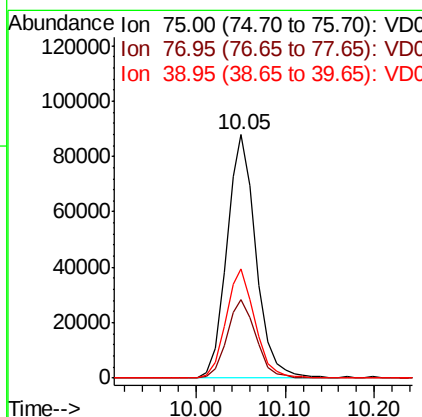
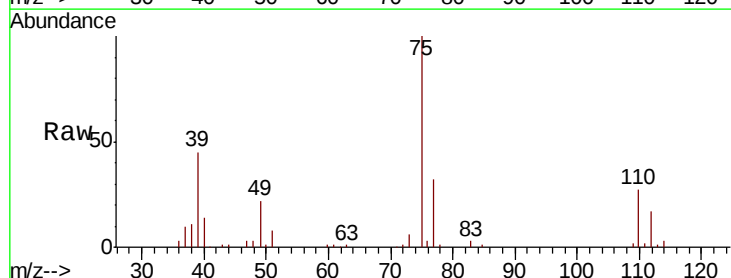
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBSD01

Tot Ion: 75 Resp: 171752
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.594 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion: 75 Resp: 201057
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.4
 39 44.8 37.8 56.8



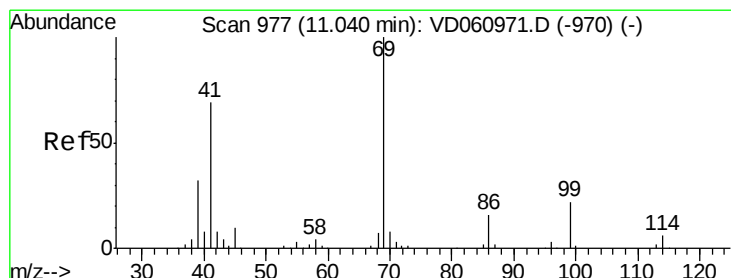
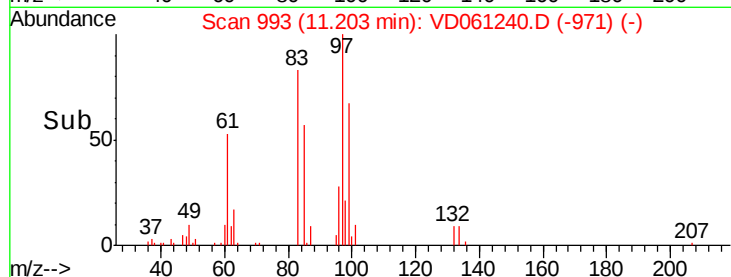
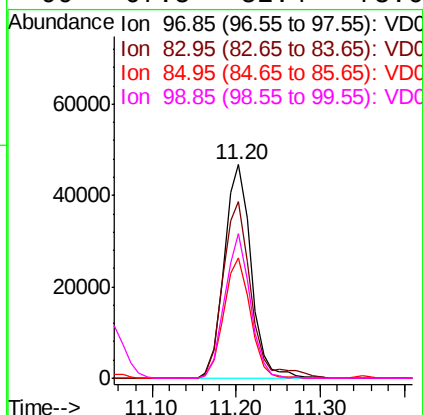
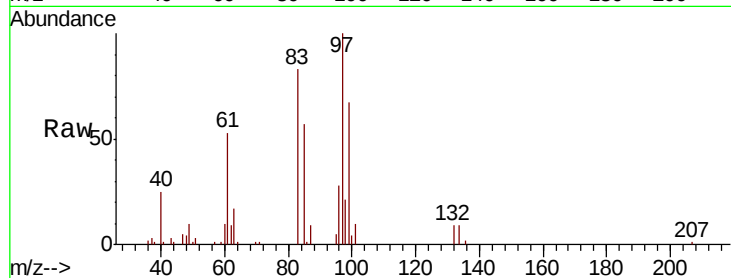


#55
 1,1,2-Trichloroethane
 Concen: 21.292 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBSD01

Tot Ion: 97 Resp: 104187

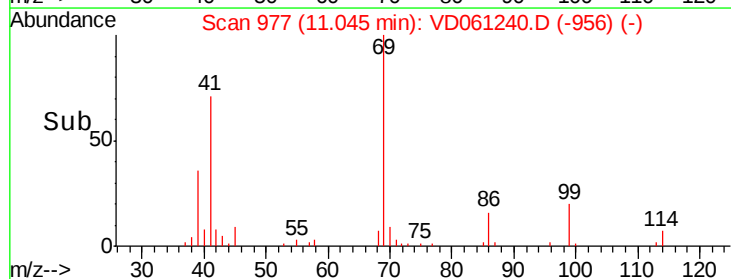
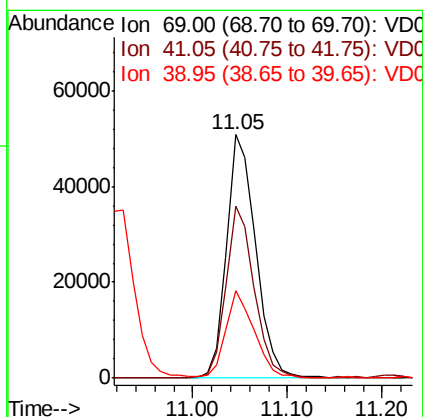
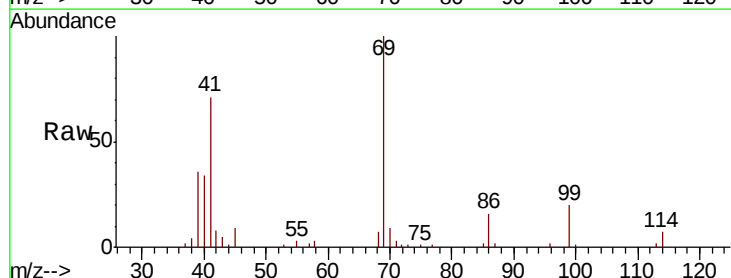
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.6	100.0
85	56.5	46.4	69.6
99	67.5	52.4	78.6

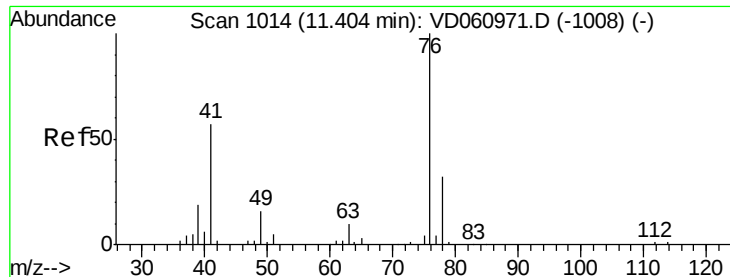


#56
 Ethyl methacrylate
 Concen: 21.099 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion: 69 Resp: 108063

Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.5	83.3
39	36.0	26.2	39.2





#57

1,3-Dichloropropane

Concen: 21.358 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

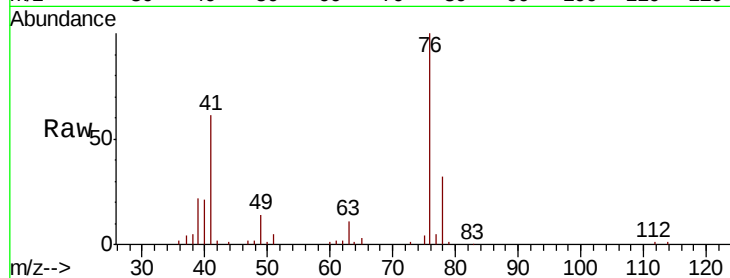
VD0321SBS01

Tot Ion: 76 Resp: 156181

Ion Ratio Lower Upper

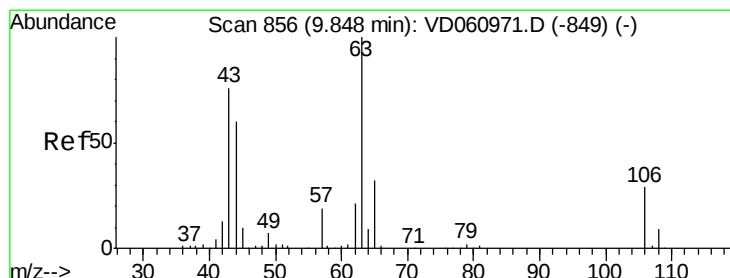
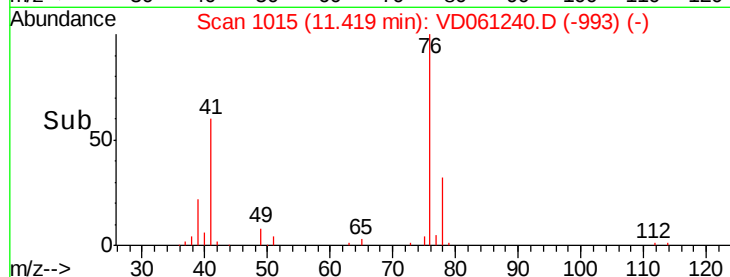
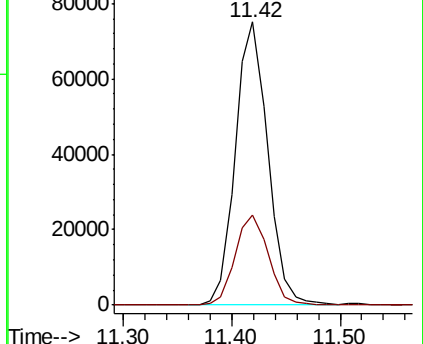
76 100

78 31.8 25.4 38.0



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: 99.838 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.03 min

Lab File: VD061240.D

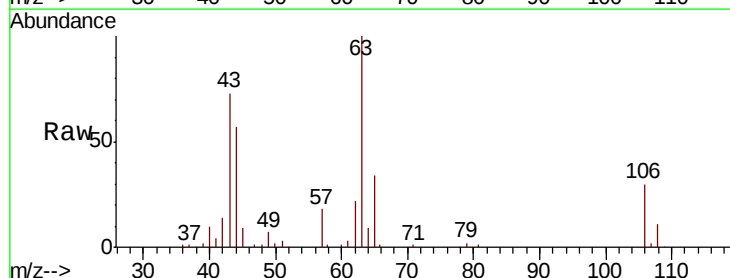
Acq: 21 Mar 2019 13:09

Tgt Ion: 63 Resp: 270669

Ion Ratio Lower Upper

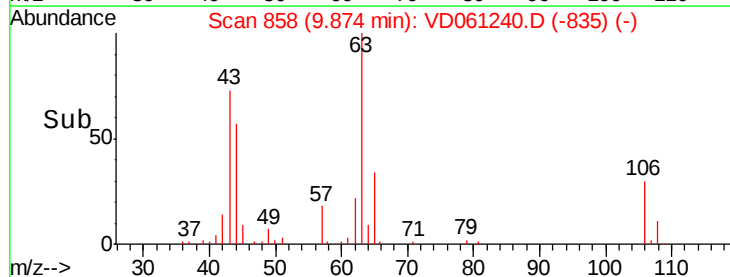
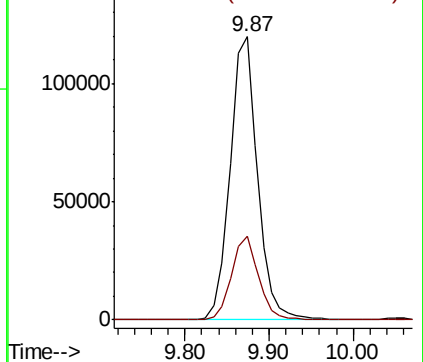
63 100

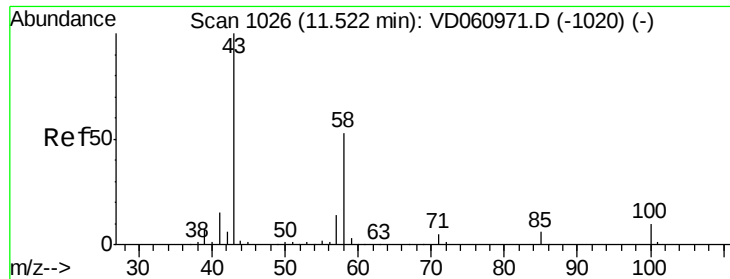
106 29.6 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

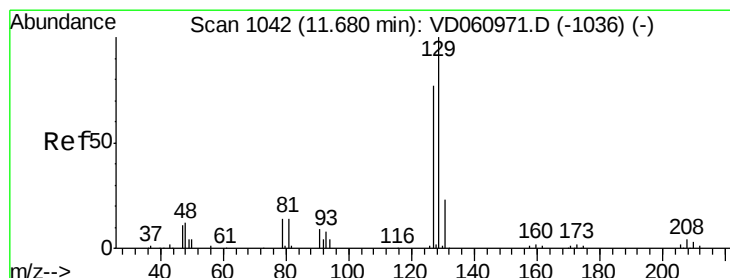
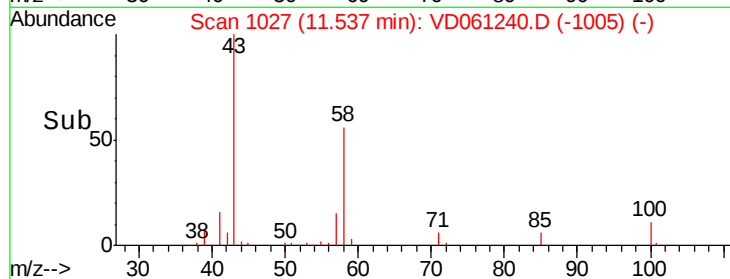
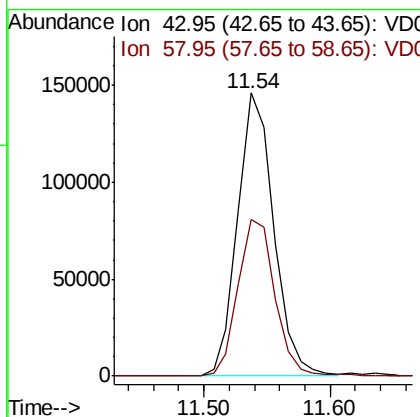
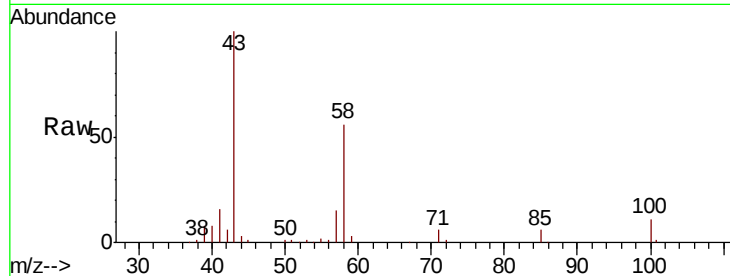




#59
2-Hexanone
Concen: 105.509 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

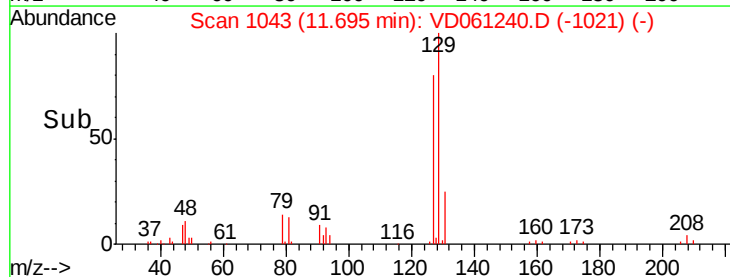
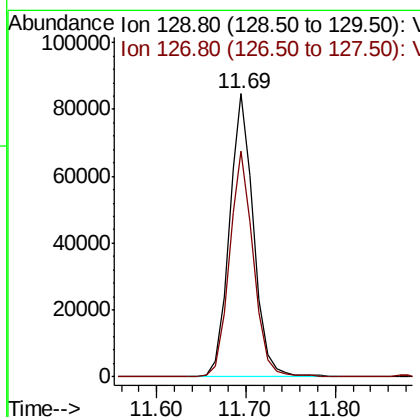
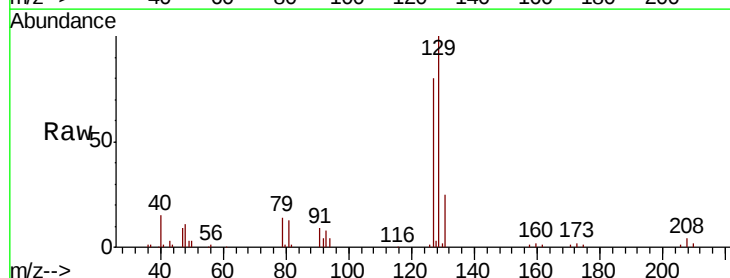
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBSD01

Tot Ion: 43 Resp: 290603
Ion Ratio Lower Upper
43 100
58 55.5 26.5 79.5



#60
Dibromochloromethane
Concen: 22.279 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion: 129 Resp: 160442
Ion Ratio Lower Upper
129 100
127 79.7 38.3 114.9

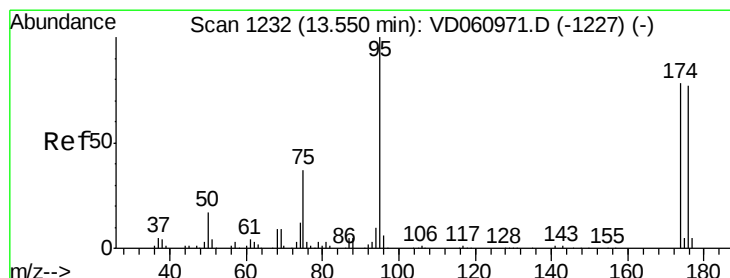
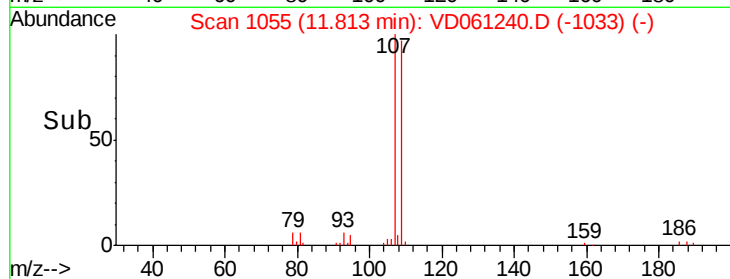
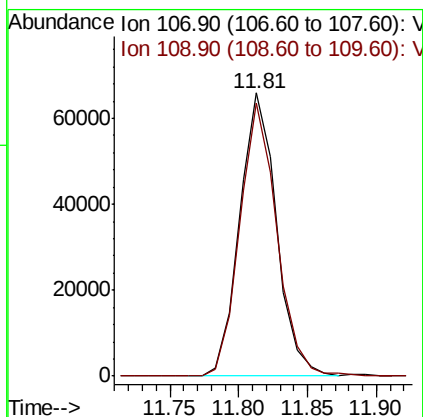
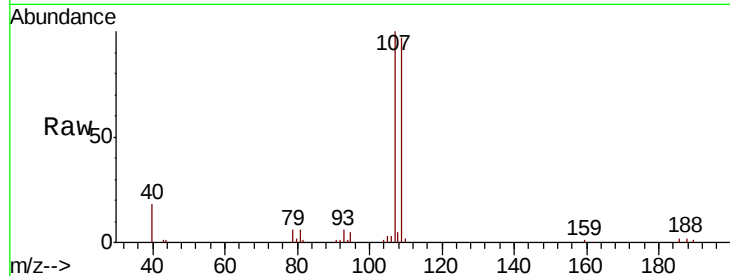




#61
 1,2-Dibromoethane
 Concen: 21.546 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

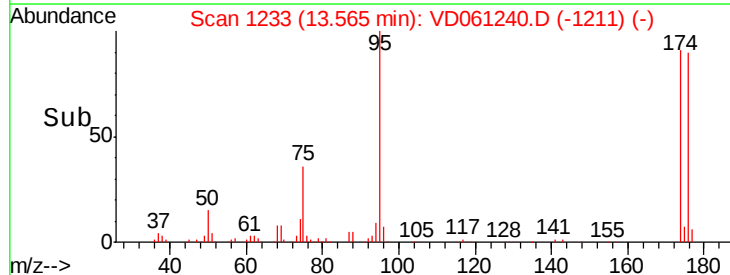
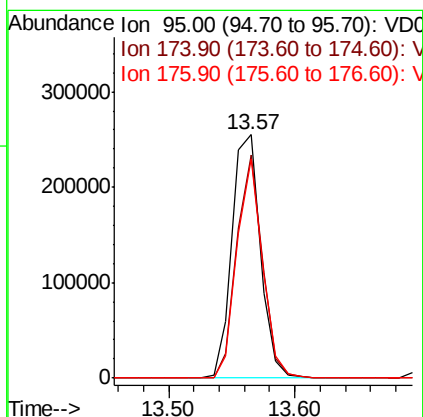
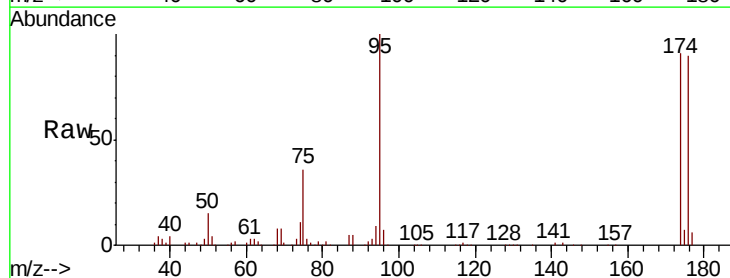
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBSD01

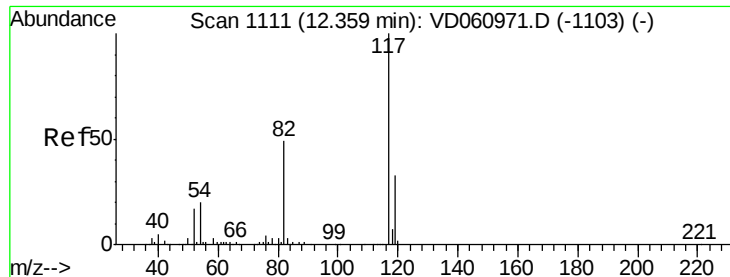
Tot Ion:107 Resp: 122644
 Ion Ratio Lower Upper
 107 100
 109 96.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 21.546 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion: 95 Resp: 395343
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 155.6
 176 90.0 0.0 153.8

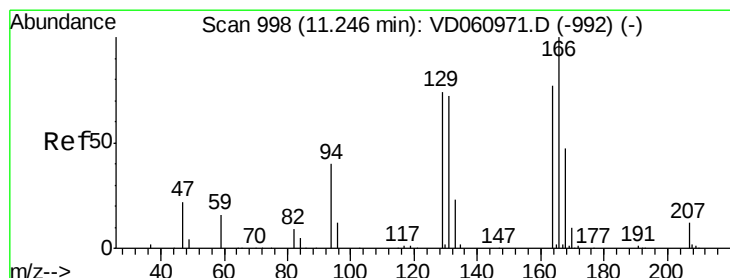
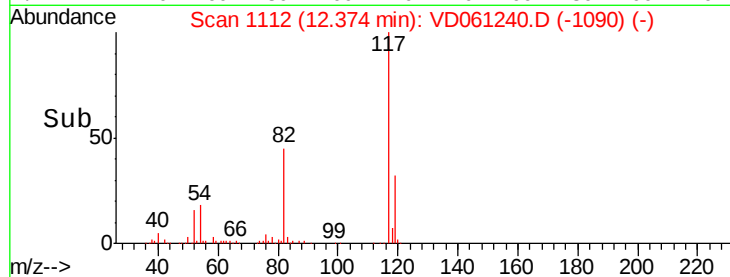
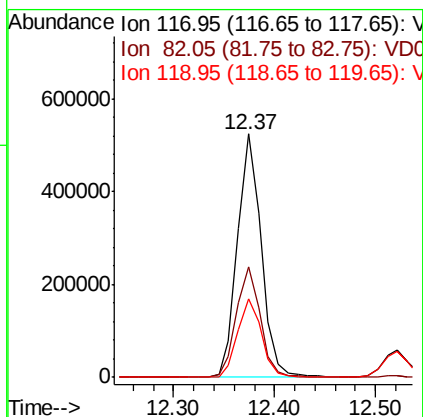
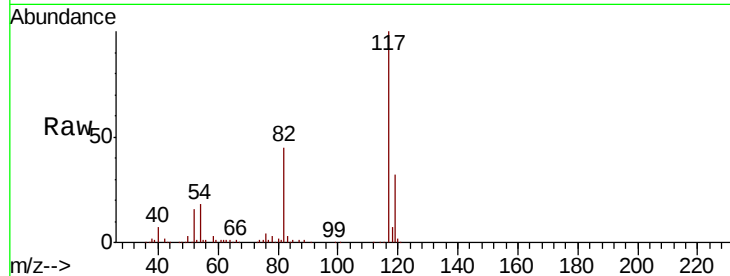




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

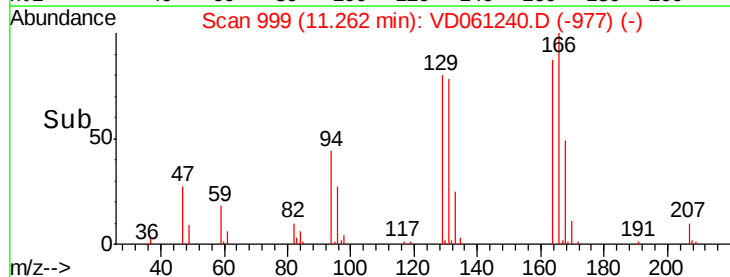
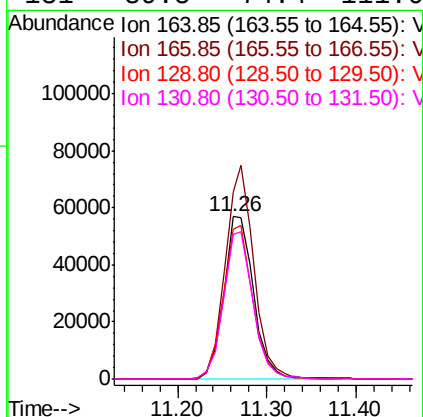
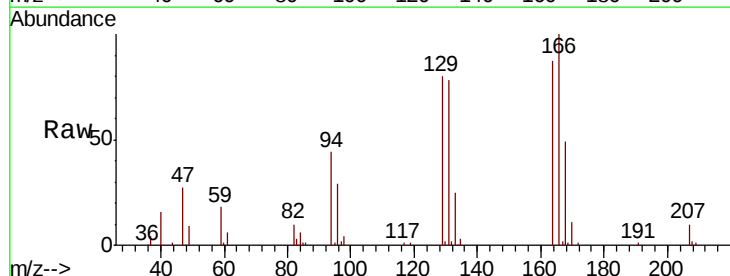
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBSD01

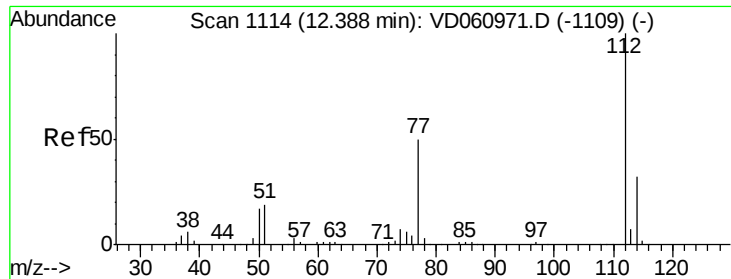
Tot Ion:117 Resp: 860044
Ion Ratio Lower Upper
117 100
82 45.4 38.9 58.3
119 32.3 26.6 39.8



#64
Tetrachloroethene
Concen: 23.069 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion:164 Resp: 133930
Ion Ratio Lower Upper
164 100
166 115.5 103.4 155.0
129 92.1 76.9 115.3
131 89.5 74.4 111.6

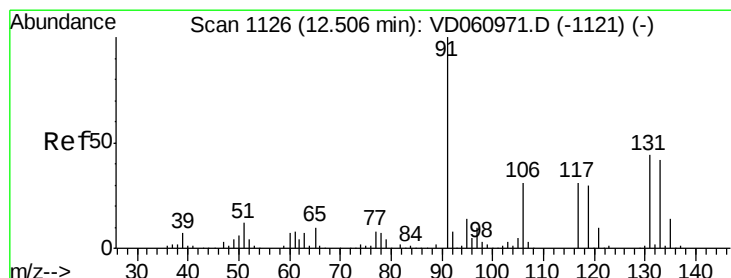
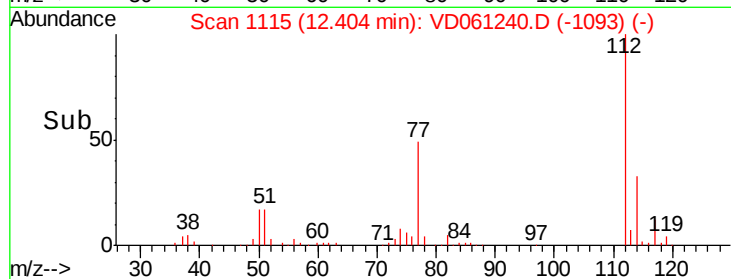
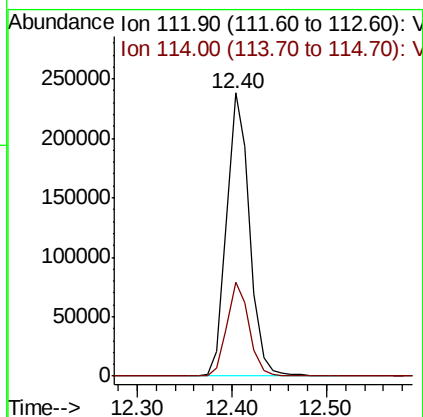
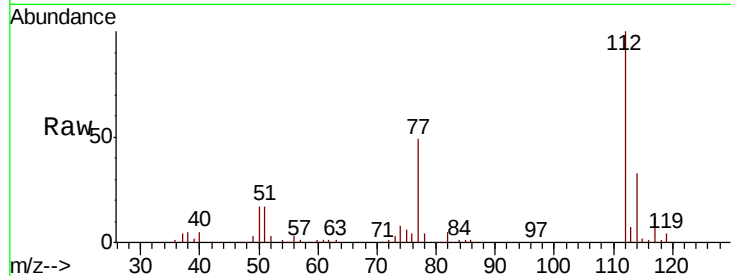




#65
Chlorobenzene
Concen: 23.546 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

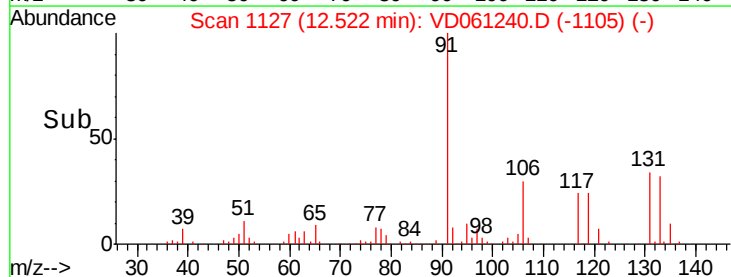
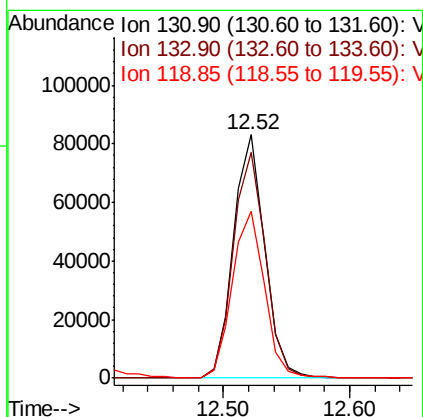
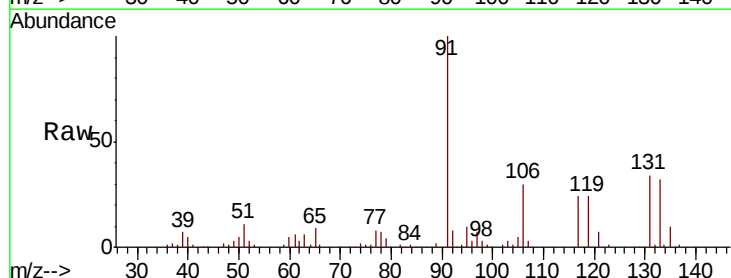
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBSD01

Tot Ion:112 Resp: 396992
Ion Ratio Lower Upper
112 100
114 33.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.601 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion:131 Resp: 141840
Ion Ratio Lower Upper
131 100
133 92.7 47.8 143.3
119 68.4 34.3 102.9

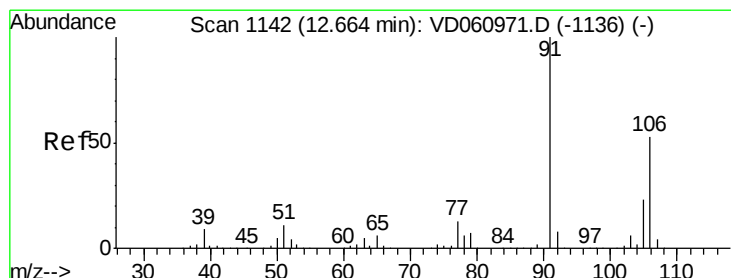
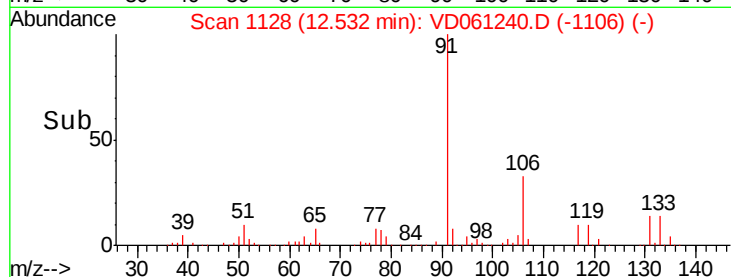
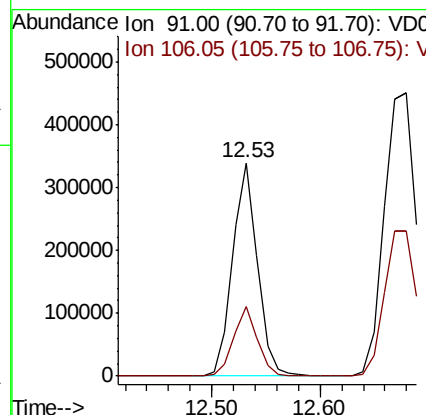
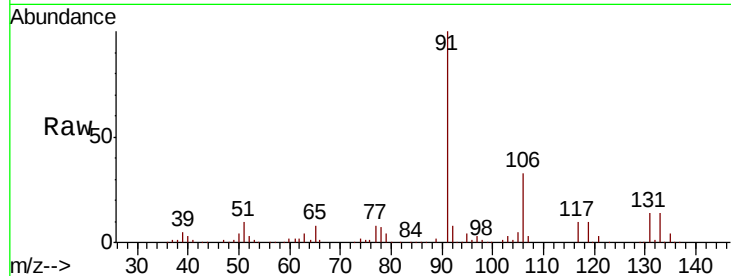




#67
Ethyl Benzene
Concen: 21.670 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

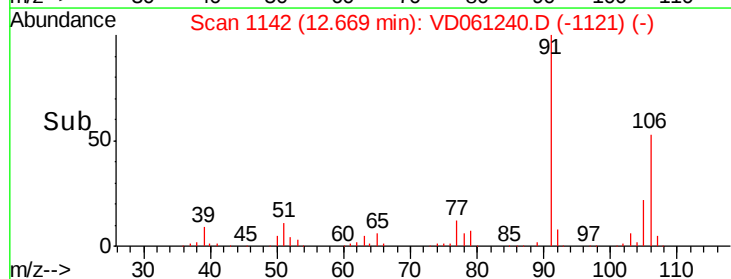
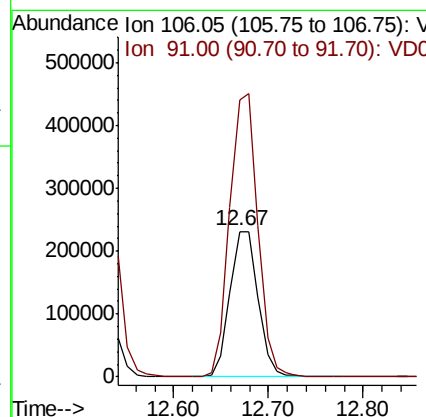
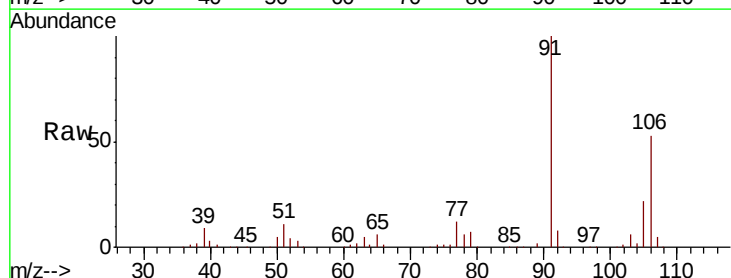
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

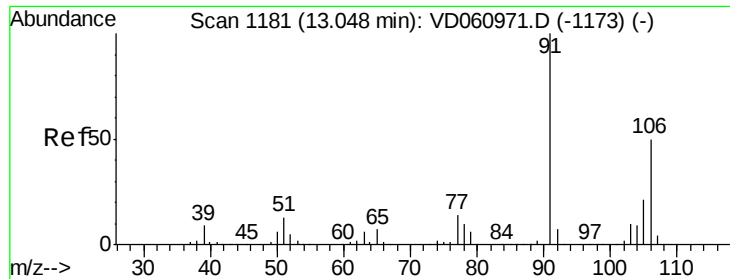
Tot Ion: 91 Resp: 543937
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5



#68
m/p-Xylenes
Concen: 48.543 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion: 106 Resp: 478247
Ion Ratio Lower Upper
106 100
91 190.4 152.0 228.0

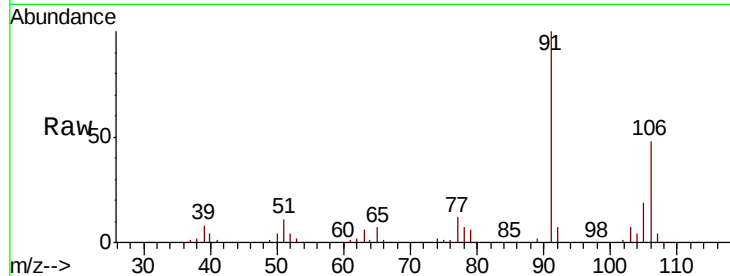




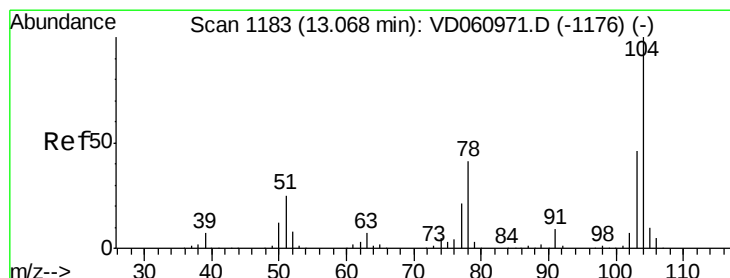
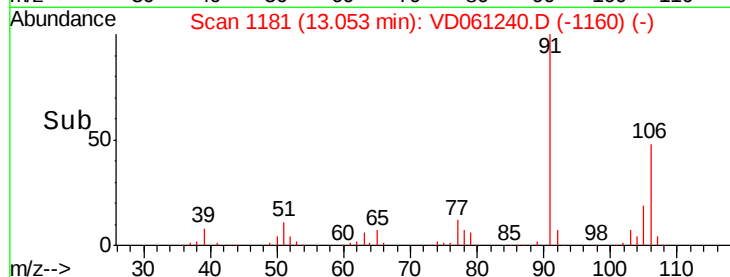
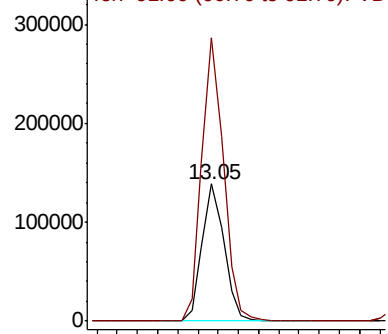
#69
o-Xylene
Concen: 21.932 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

Tot Ion:106 Resp: 212396
Ion Ratio Lower Upper
106 100
91 206.4 99.8 299.3

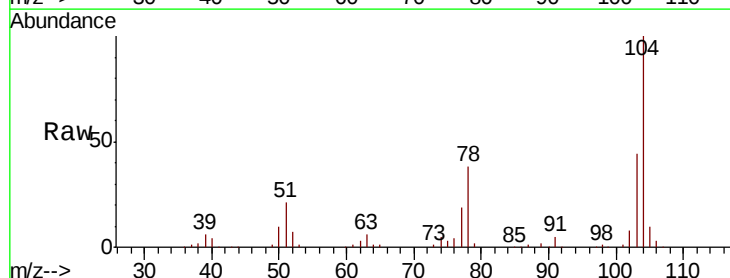


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

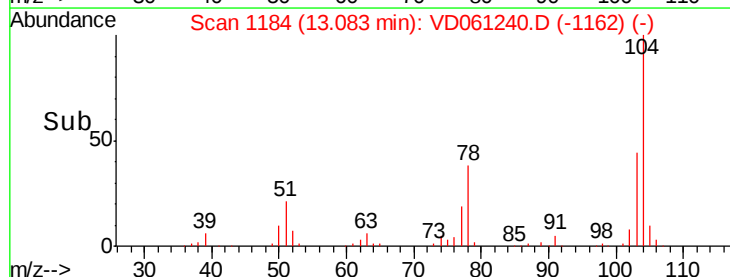
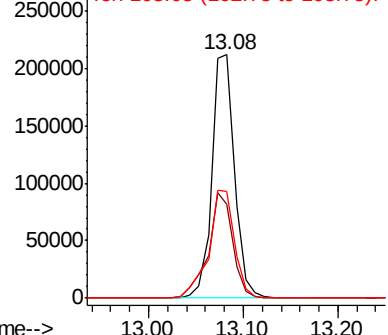


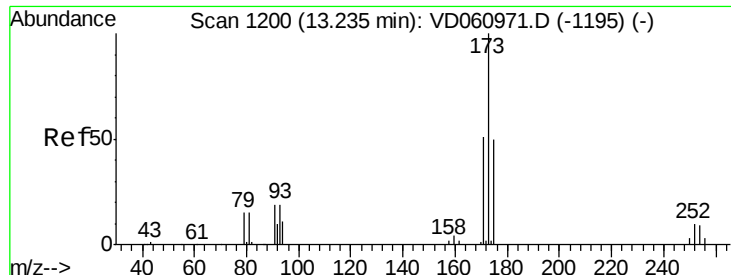
#70
Styrene
Concen: 22.135 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion:104 Resp: 350030
Ion Ratio Lower Upper
104 100
78 38.4 33.0 49.4
103 43.9 37.1 55.7



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





#71

Bromoform

Concen: 23.276 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

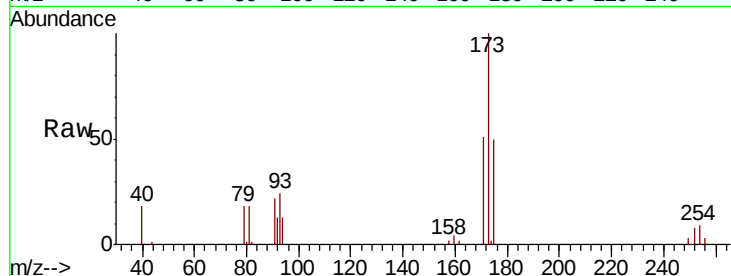
Tot Ion:173 Resp: 90241

Ion Ratio Lower Upper

173 100

175 50.4 24.9 74.8

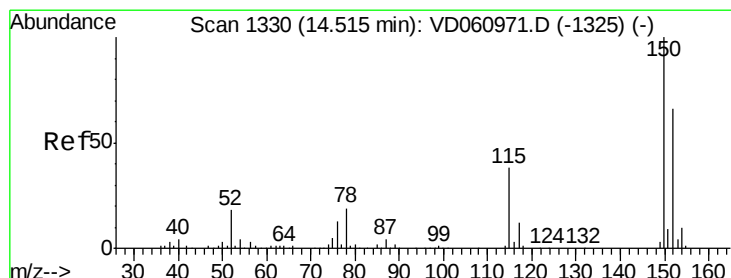
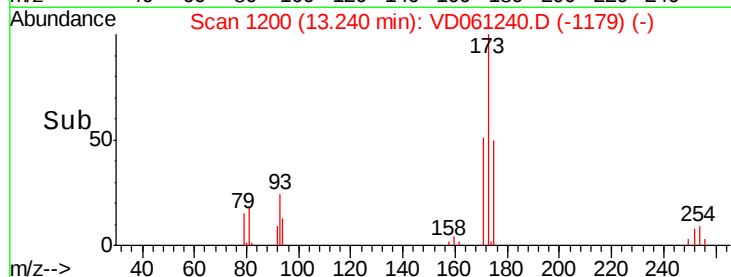
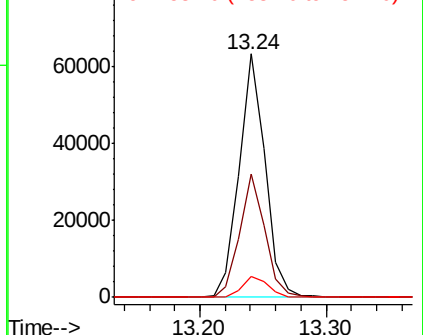
254 8.6 7.3 10.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

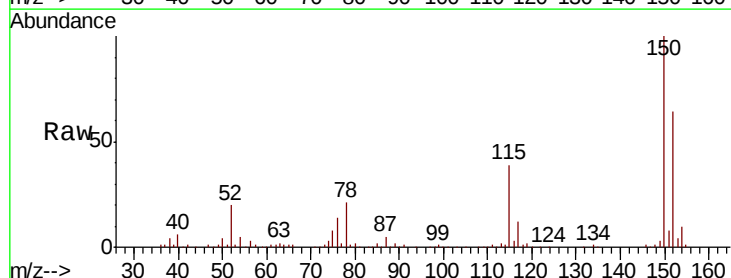
Tgt Ion:152 Resp: 392490

Ion Ratio Lower Upper

152 100

115 61.7 28.6 85.9

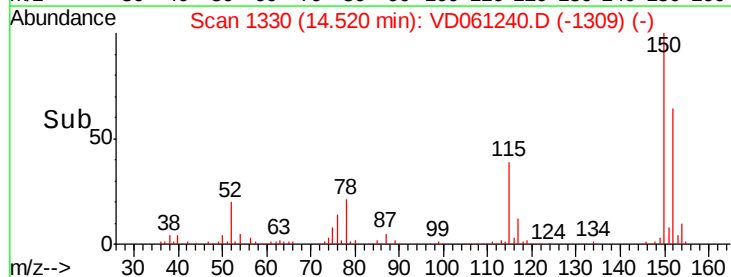
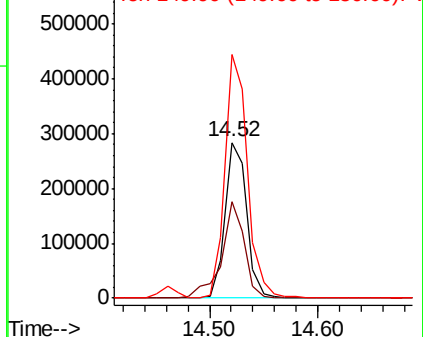
150 156.6 0.0 310.6

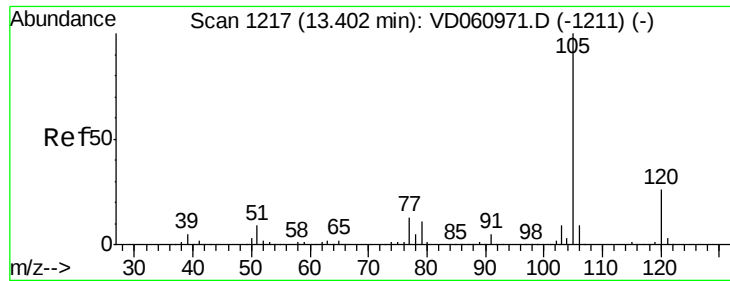


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.743 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

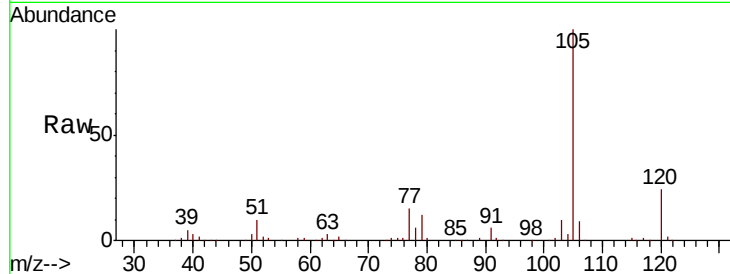
VD0321SBS01

Tot Ion:105 Resp: 530163

Ion Ratio Lower Upper

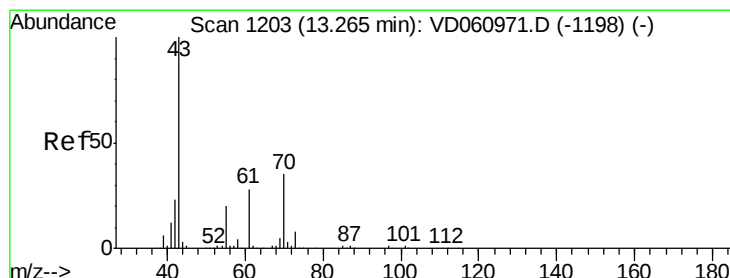
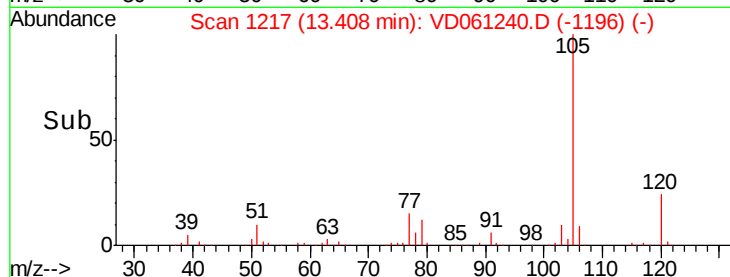
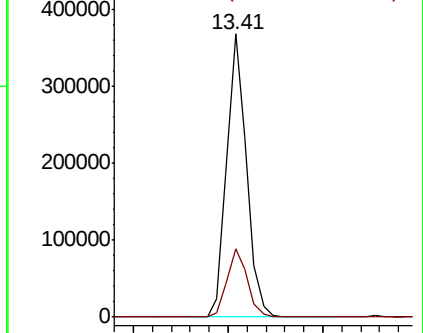
105 100

120 24.4 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.569 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Tgt Ion: 43 Resp: 163825

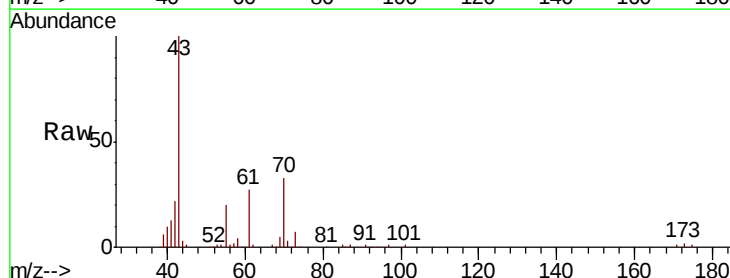
Ion Ratio Lower Upper

43 100

70 33.4 27.7 41.5

55 19.9 16.2 24.2

61 27.0 22.3 33.5

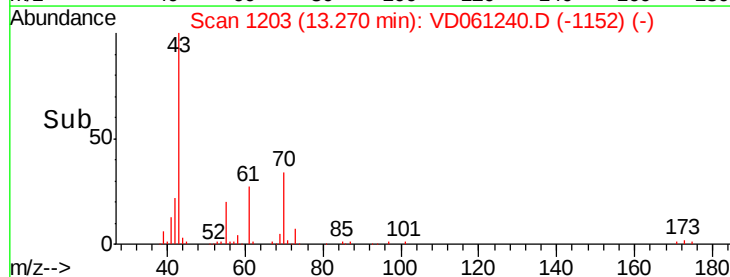
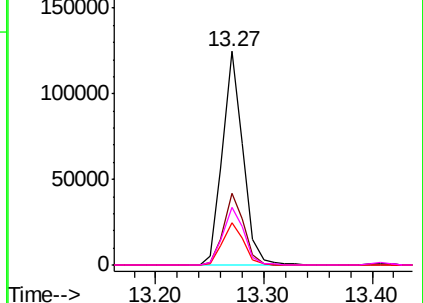


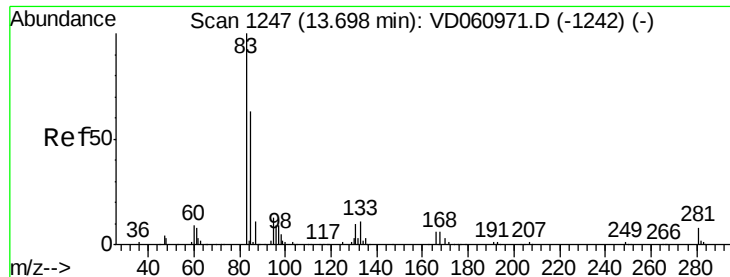
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.967 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

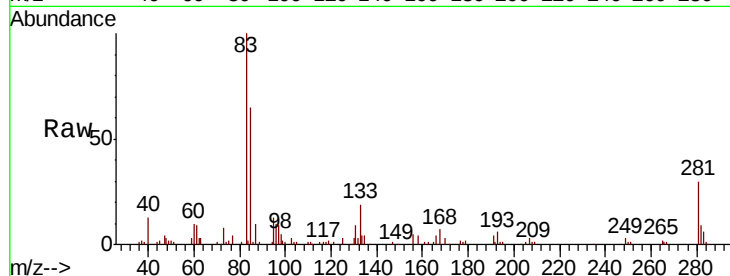
Tot Ion: 83 Resp: 115713

Ion Ratio Lower Upper

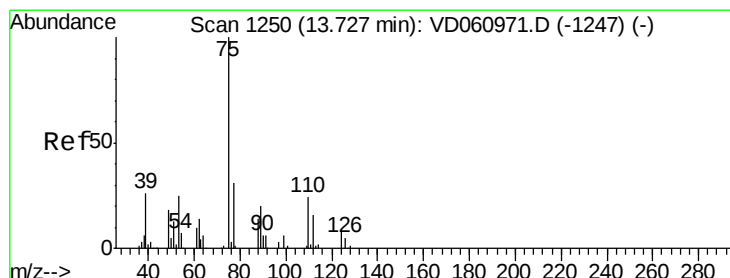
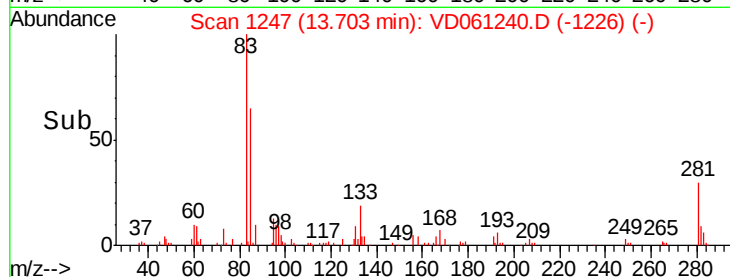
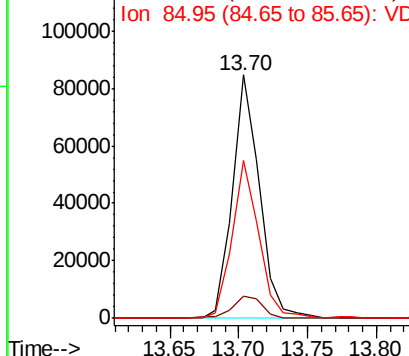
83 100

131 8.9 5.1 15.3

85 64.8 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.040 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061240.D

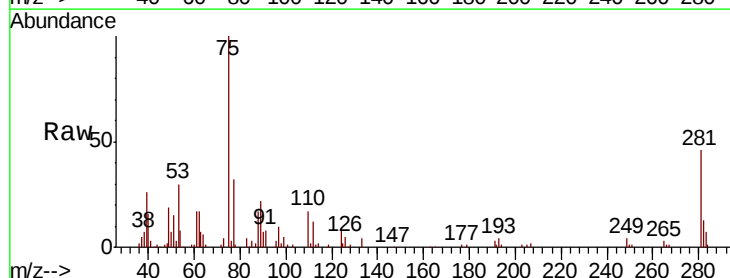
Acq: 21 Mar 2019 13:09

Tgt Ion: 75 Resp: 124451

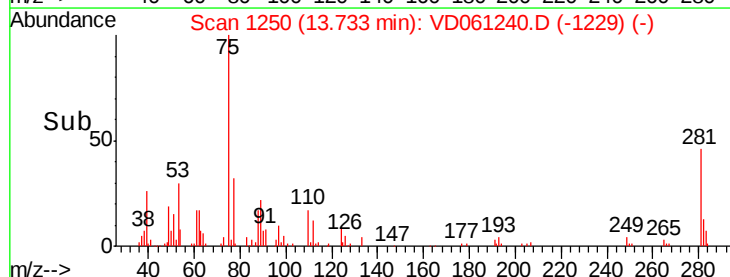
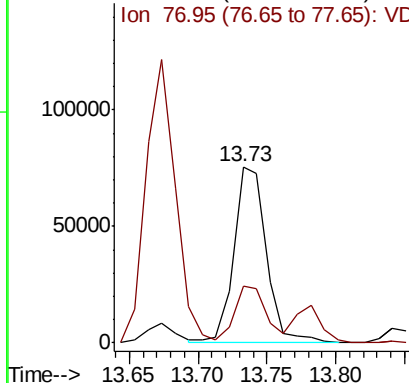
Ion Ratio Lower Upper

75 100

77 32.1 16.6 49.7



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





#77

Bromobenzene

Concen: 20.470 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBSD01

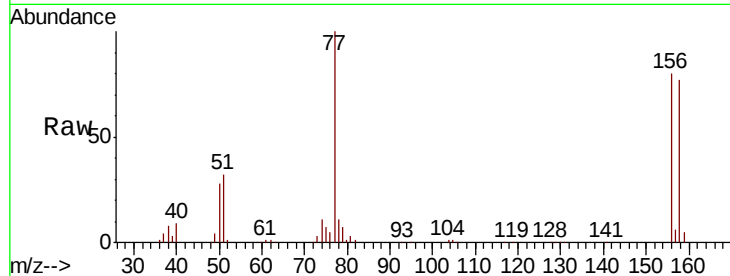
Tot Ion:156 Resp: 147805

Ion Ratio Lower Upper

156 100

77 124.8 55.5 166.7

158 96.6 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

150000

100000

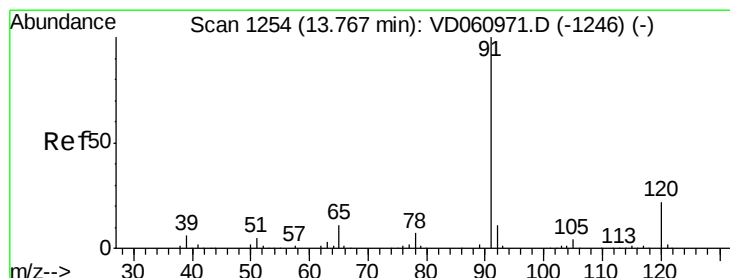
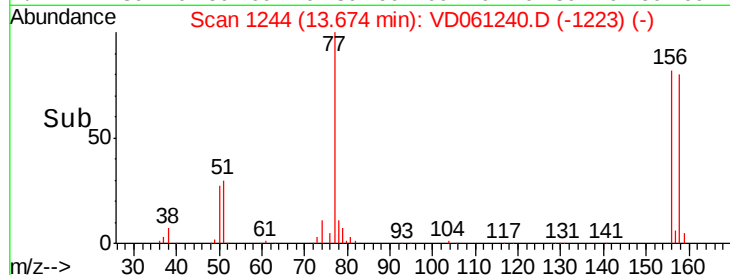
50000

0

13.67

13.60 13.65 13.70 13.75

Time-->



#78

n-propylbenzene

Concen: 19.376 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061240.D

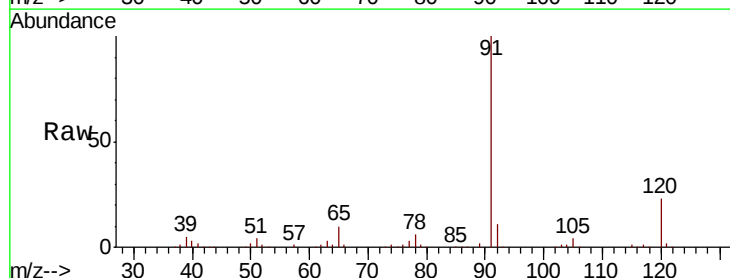
Acq: 21 Mar 2019 13:09

Tgt Ion: 91 Resp: 641609

Ion Ratio Lower Upper

91 100

120 23.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

500000

400000

300000

200000

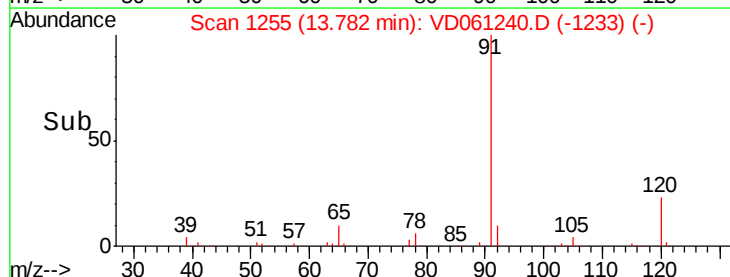
100000

0

13.78

13.70 13.80

Time-->





#79

2-Chlorotoluene

Concen: 20.861 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

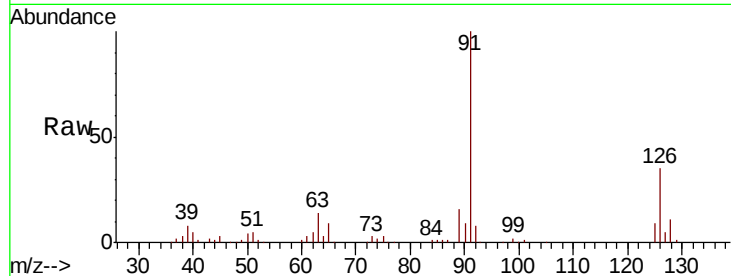
VD0321SBSD01

Tot Ion: 91 Resp: 380318

Ion Ratio Lower Upper

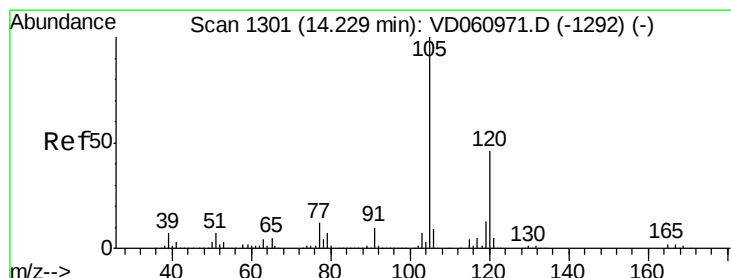
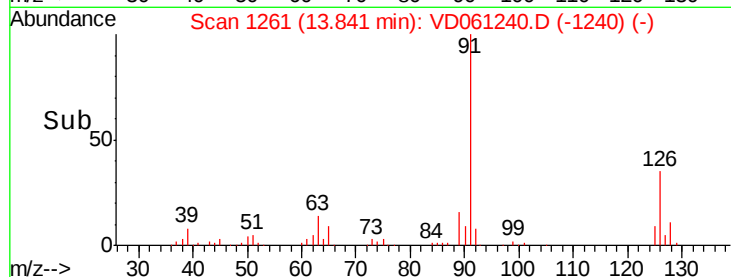
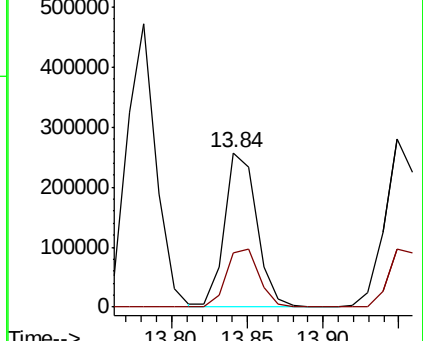
91 100

126 35.4 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.340 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.02 min

Lab File: VD061240.D

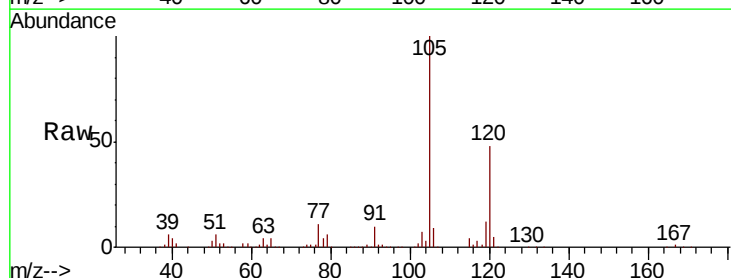
Acq: 21 Mar 2019 13:09

Tgt Ion: 105 Resp: 479729

Ion Ratio Lower Upper

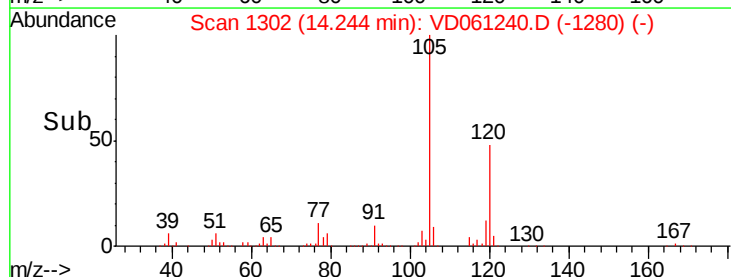
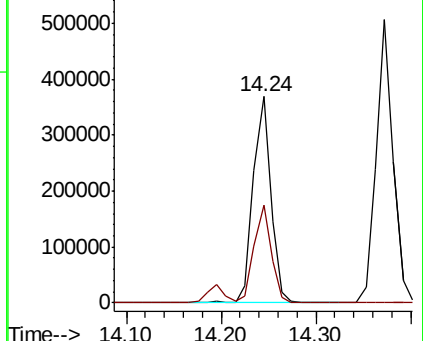
105 100

120 47.6 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.034 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBSD01

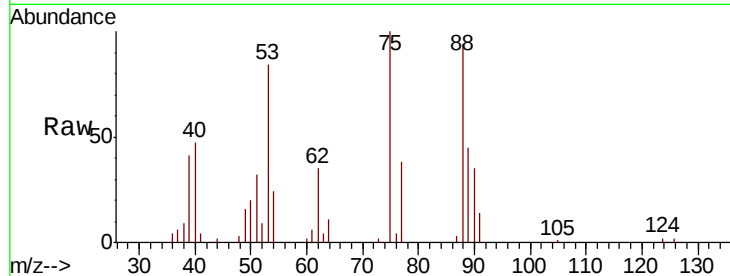
Tot Ion: 75 Resp: 33352

Ion Ratio Lower Upper

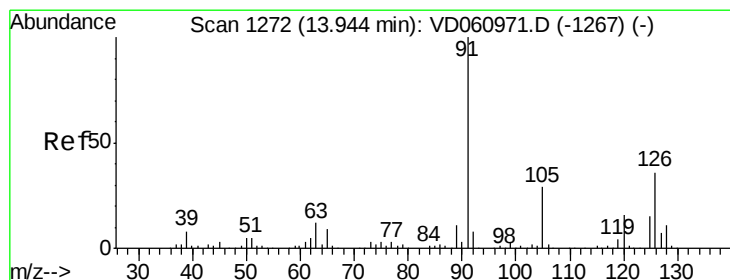
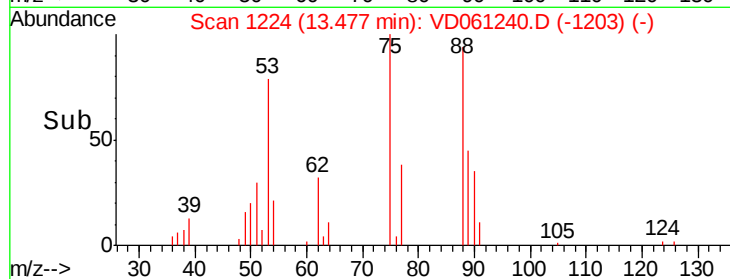
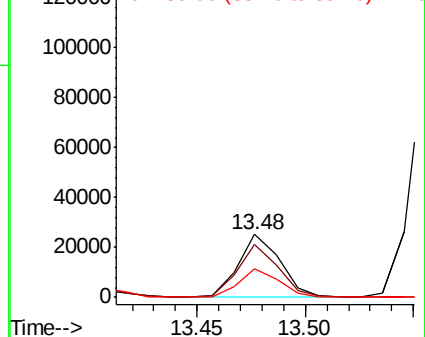
75 100

53 84.0 64.4 96.6

89 45.2 34.8 52.2



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



#82

4-Chlorotoluene

Concen: 19.911 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061240.D

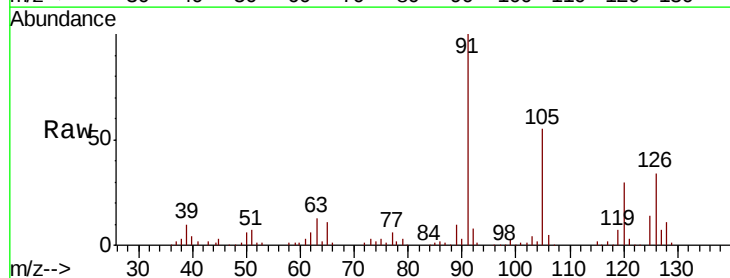
Acq: 21 Mar 2019 13:09

Tgt Ion: 91 Resp: 429117

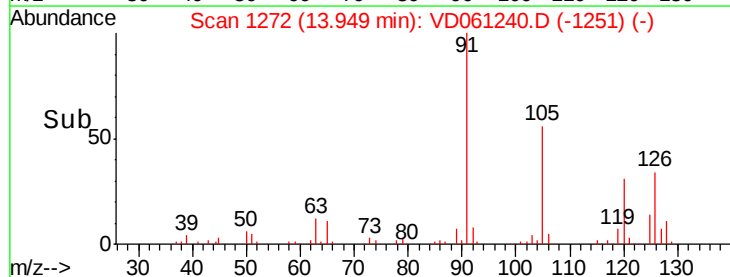
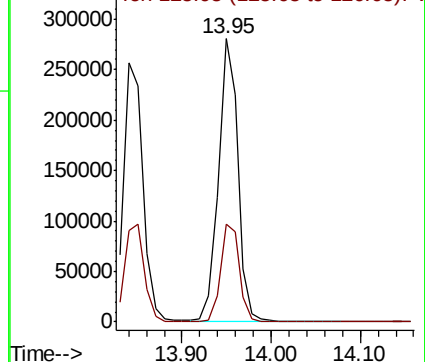
Ion Ratio Lower Upper

91 100

126 34.5 18.0 54.0



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

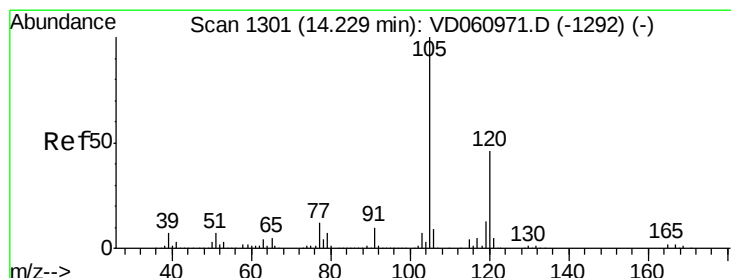
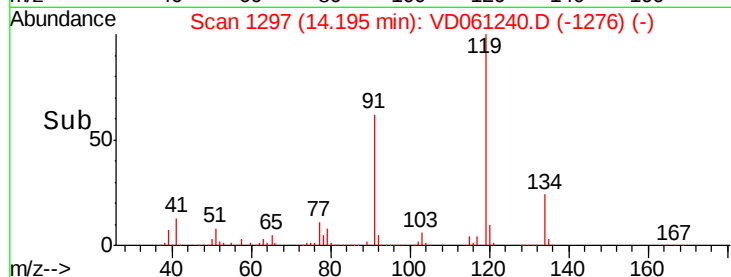
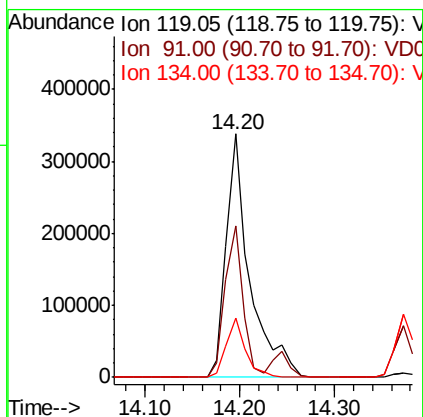
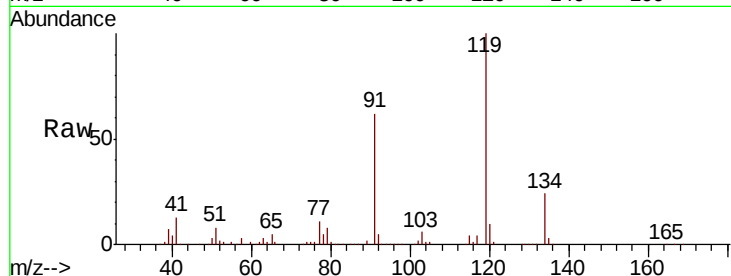




#83
 tert-Butylbenzene
 Concen: 24.776 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

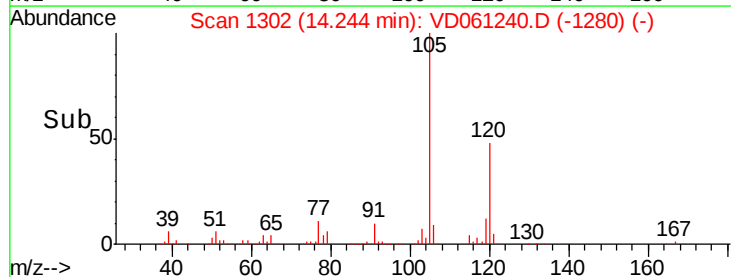
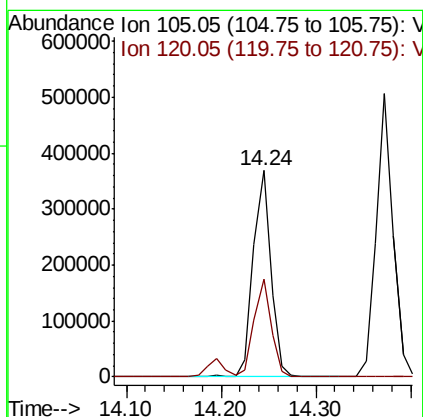
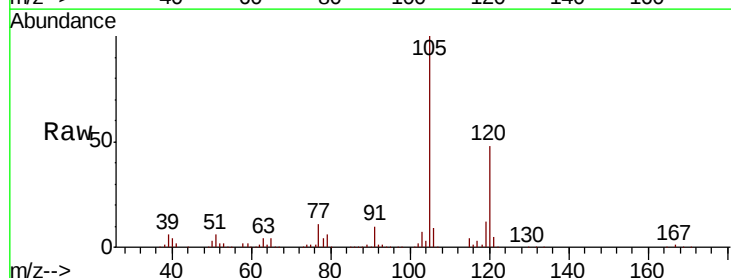
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBSD01

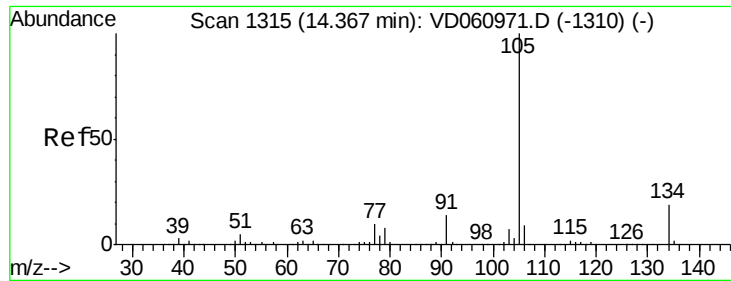
Tot Ion:119 Resp: 582244
 Ion Ratio Lower Upper
 119 100
 91 62.4 30.1 90.3
 134 24.2 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.340 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion:105 Resp: 479729
 Ion Ratio Lower Upper
 105 100
 120 47.6 22.9 68.5





#85

sec-Butylbenzene

Concen: 22.216 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

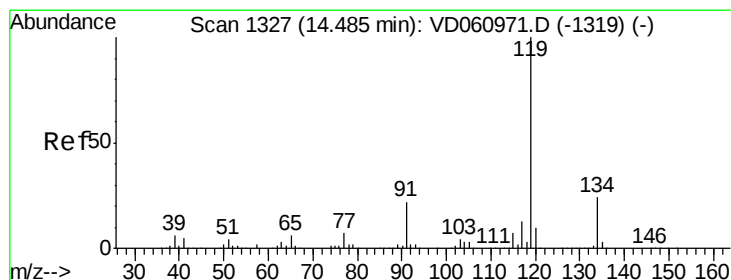
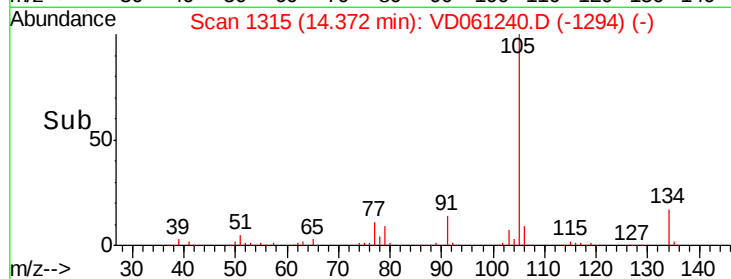
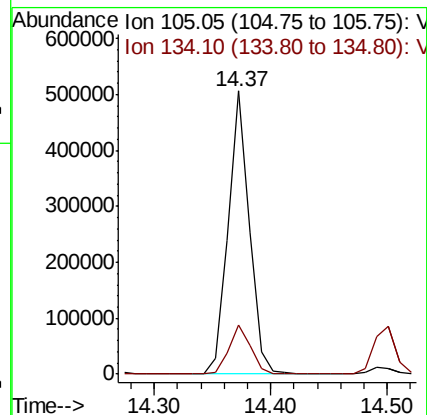
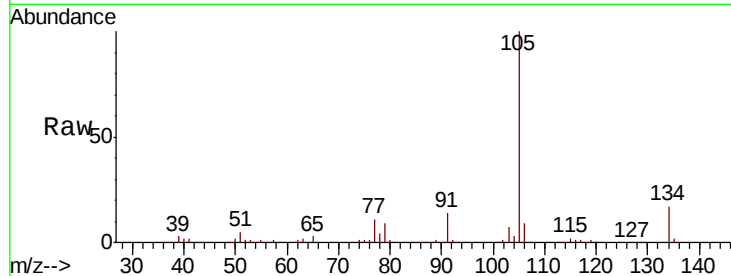
VD0321SBS01

Tot Ion:105 Resp: 637374

Ion Ratio Lower Upper

105 100

134 17.4 9.4 28.2



#86

p-Isopropyltoluene

Concen: 19.535 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

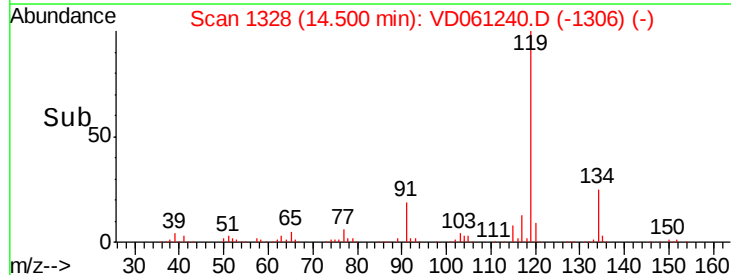
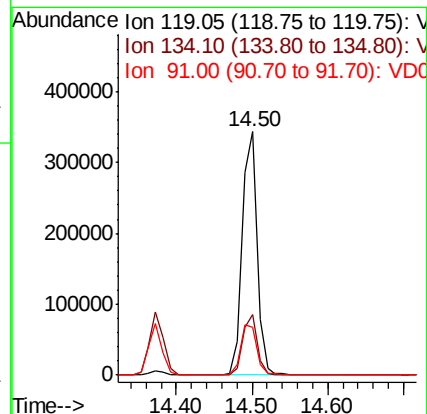
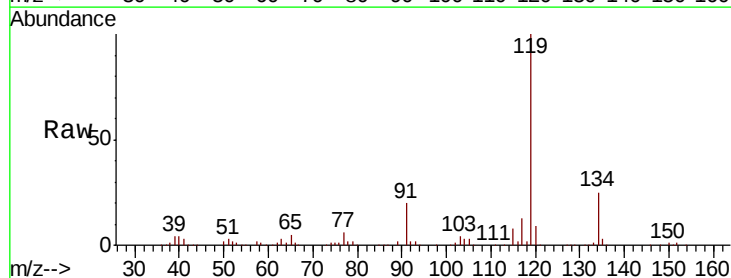
Tgt Ion:119 Resp: 458104

Ion Ratio Lower Upper

119 100

134 24.9 12.0 36.1

91 19.5 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 21.503 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

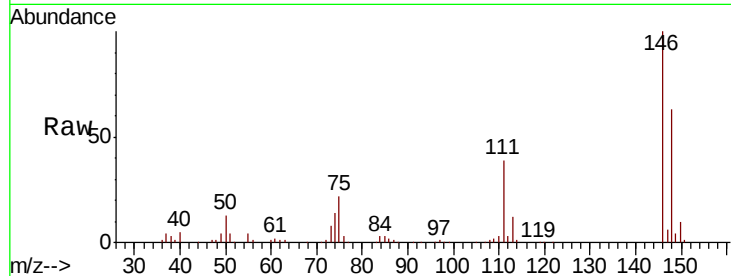
Tot Ion:146 Resp: 277251

Ion Ratio Lower Upper

146 100

111 39.0 18.4 55.4

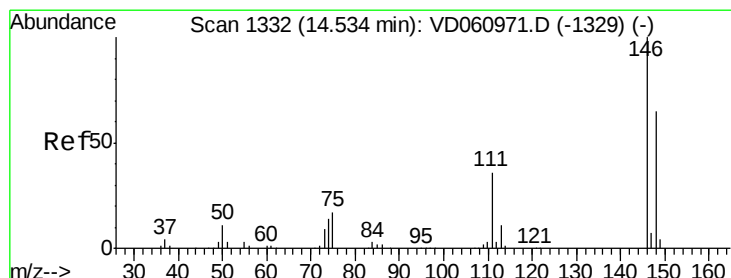
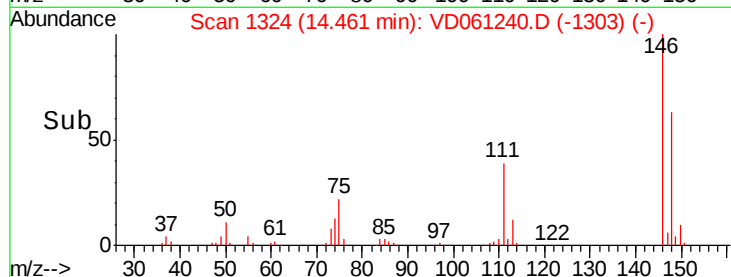
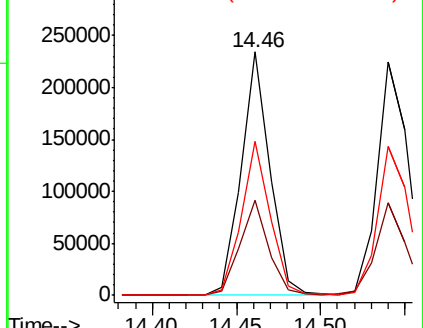
148 63.1 32.5 97.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.758 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

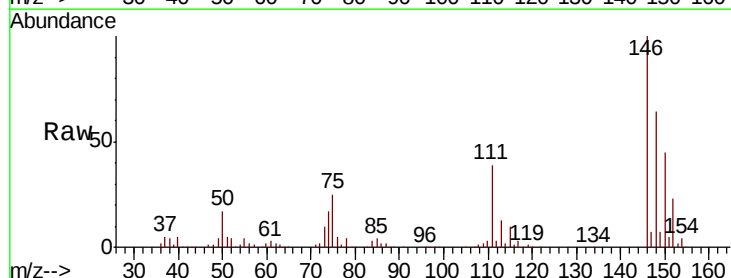
Tgt Ion:146 Resp: 288352

Ion Ratio Lower Upper

146 100

111 39.4 18.4 55.2

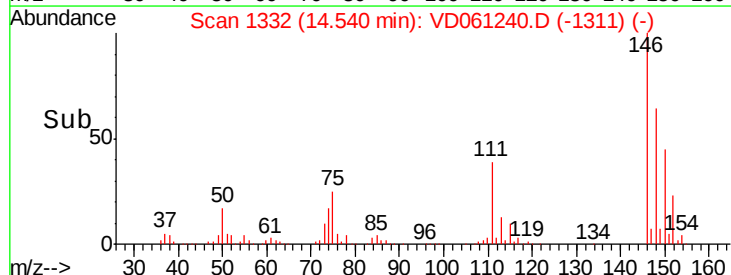
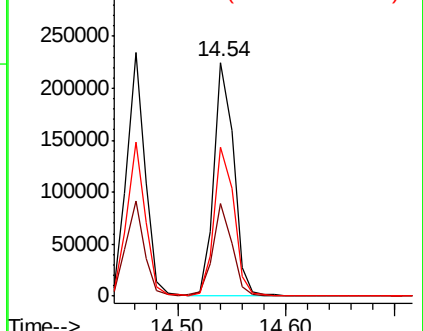
148 63.7 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.045 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.02 min

Lab File: VD061240.D

Acq: 21 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

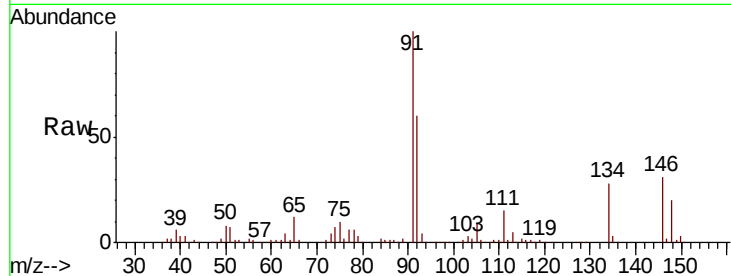
Tot Ion: 91 Resp: 496453

Ion Ratio Lower Upper

91 100

92 59.9 30.6 91.8

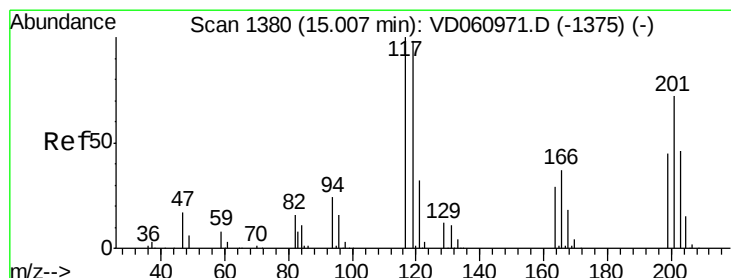
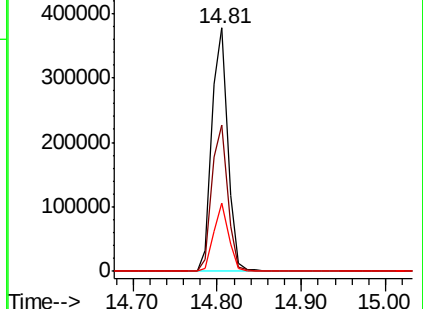
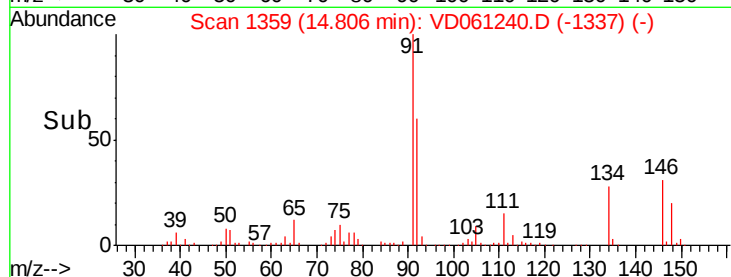
134 28.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 21.231 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061240.D

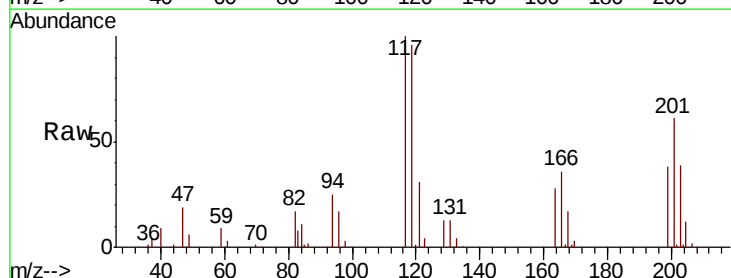
Acq: 21 Mar 2019 13:09

Tgt Ion: 117 Resp: 140589

Ion Ratio Lower Upper

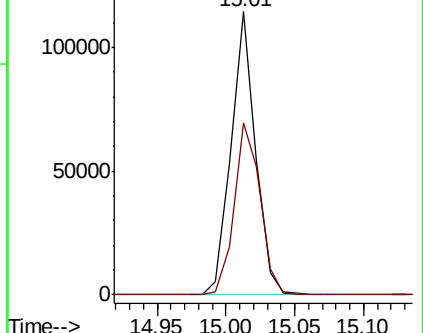
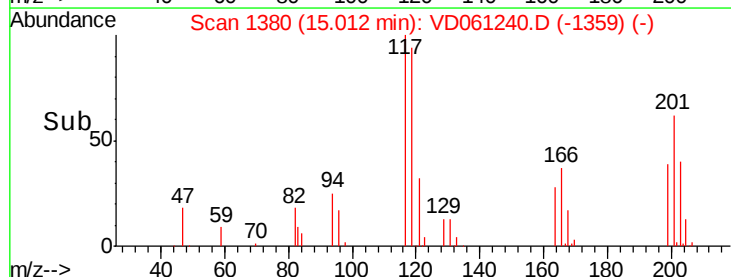
117 100

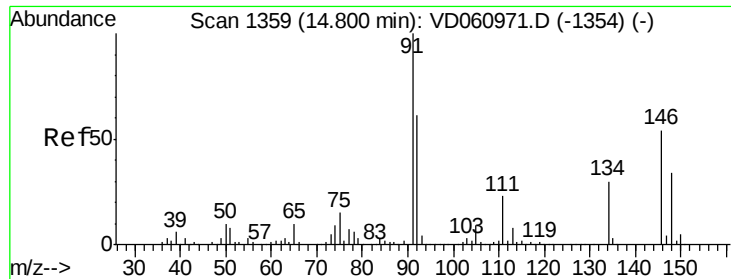
201 60.8 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

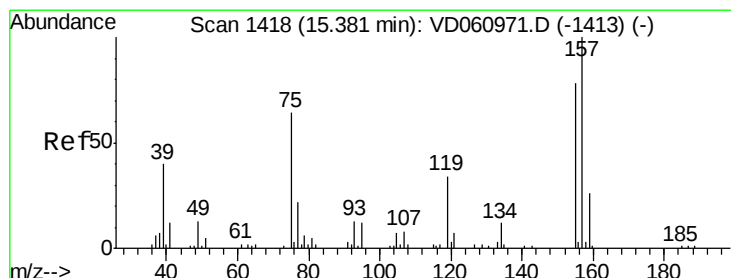
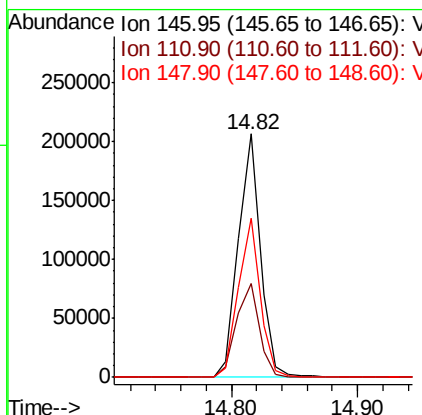
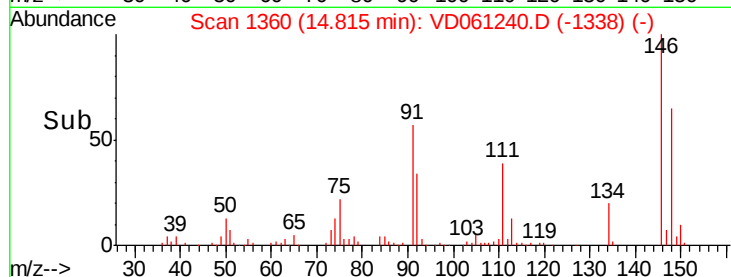
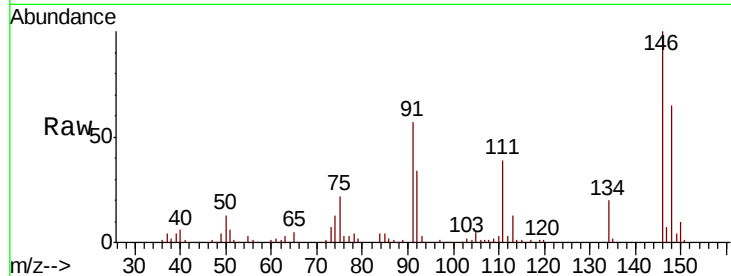




#91
 1,2-Dichlorobenzene
 Concen: 23.209 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

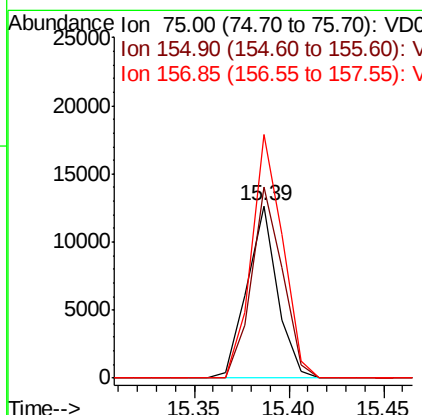
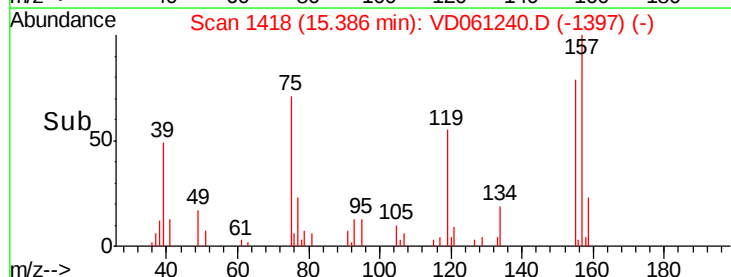
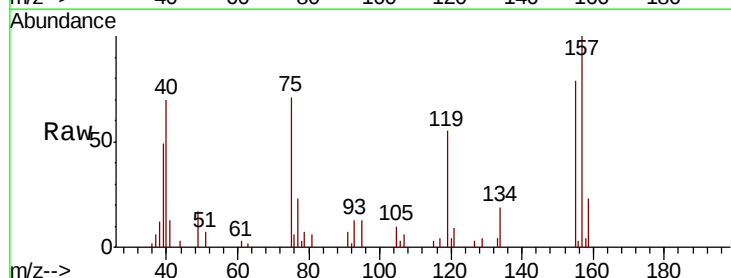
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBSD01

Tot Ion:146 Resp: 249462
 Ion Ratio Lower Upper
 146 100
 111 38.8 21.5 64.5
 148 65.2 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.246 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion: 75 Resp: 14129
 Ion Ratio Lower Upper
 75 100
 155 111.0 61.2 183.5
 157 141.3 78.3 234.8

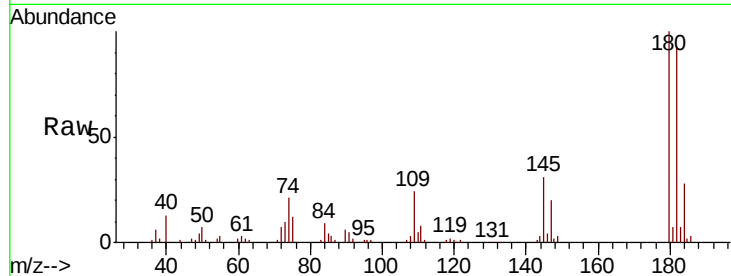




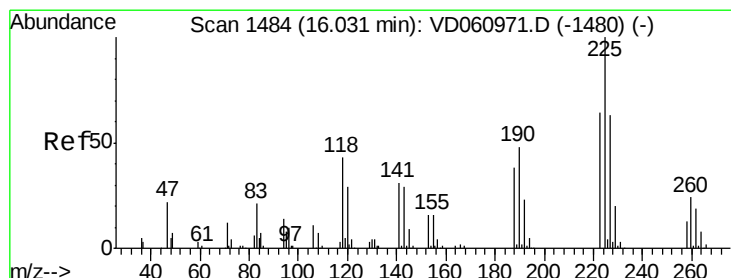
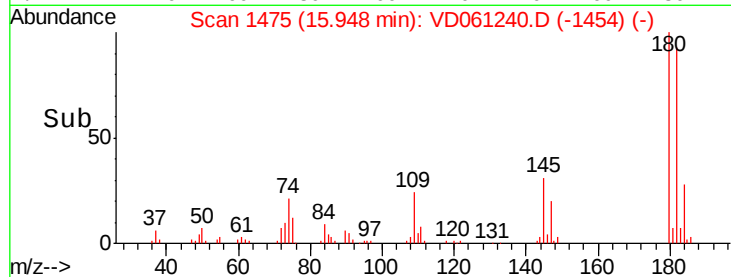
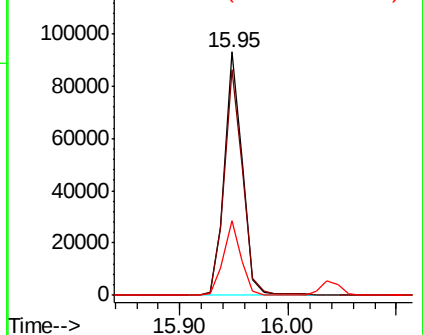
#93
 1,2,4-Trichlorobenzene
 Concen: 21.532 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

Tot Ion:180 Resp: 107366
 Ion Ratio Lower Upper
 180 100
 182 92.7 47.3 142.0
 145 30.9 14.4 43.0

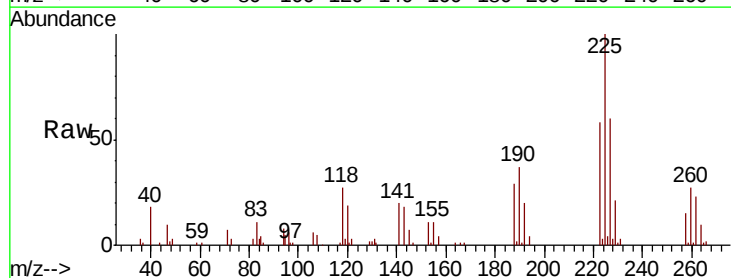


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

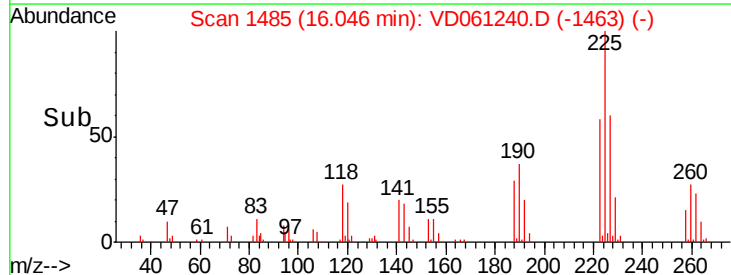
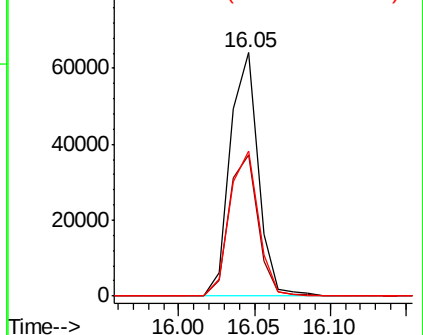


#94
 Hexachlorobutadiene
 Concen: 21.807 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD061240.D
 Acq: 21 Mar 2019 13:09

Tgt Ion:225 Resp: 82247
 Ion Ratio Lower Upper
 225 100
 223 58.2 31.8 95.3
 227 59.8 31.4 94.0



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

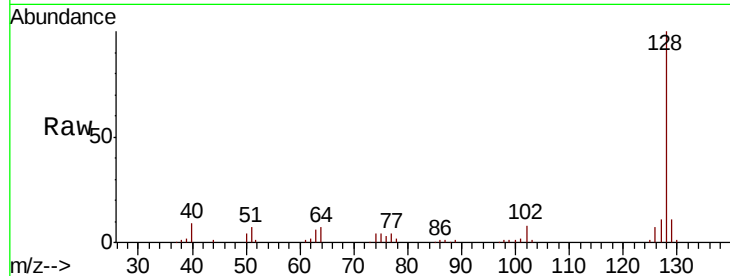




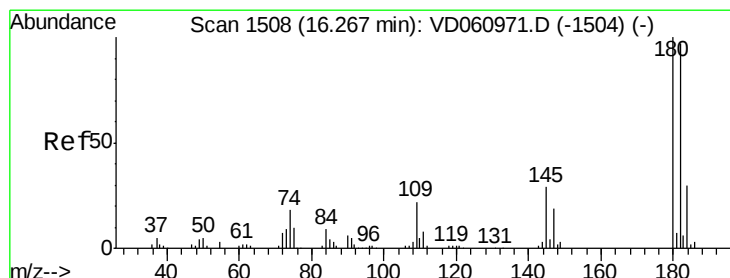
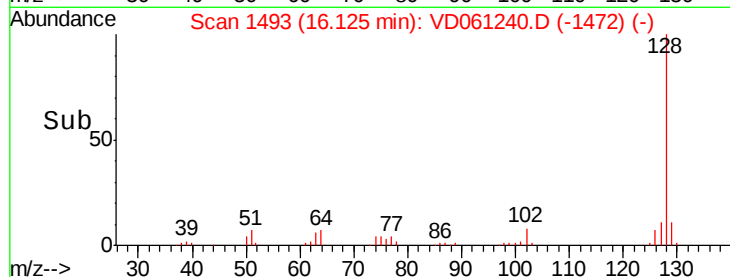
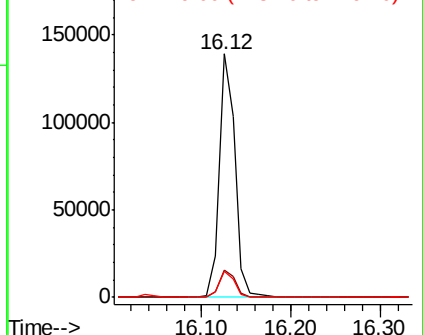
#95
Naphthalene
Concen: 22.568 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0321SBSD01

Tot Ion:128 Resp: 171002
Ion Ratio Lower Upper
128 100
127 11.1 9.8 14.8
129 10.7 8.5 12.7

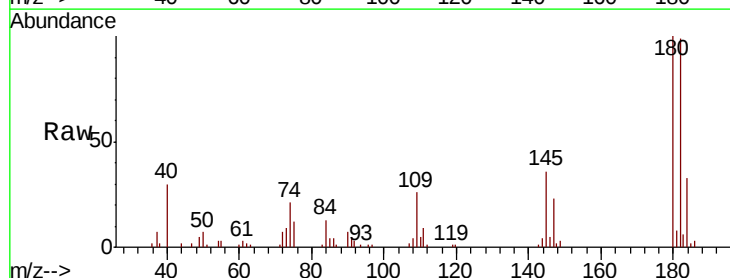


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.967 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061240.D
Acq: 21 Mar 2019 13:09

Tgt Ion:180 Resp: 44248
Ion Ratio Lower Upper
180 100
182 99.3 48.6 145.8
145 35.8 14.3 42.9



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

