

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060934.D
 Acq On : 4 Mar 2019 20:09
 Operator : VA/AP
 Sample : K1714-07
 Misc : 7.08g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-0-2

Quant Time: Mar 05 01:34:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	571748	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1049602	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	856843	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	384154	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	226600	47.94	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	95.88%	
35) Dibromofluoromethane	6.94	113	371862	44.19	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	88.38%	
50) Toluene-d8	10.42	98	830376	39.66	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	79.32%	
62) 4-Bromofluorobenzene	13.56	95	340506	43.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.06%	

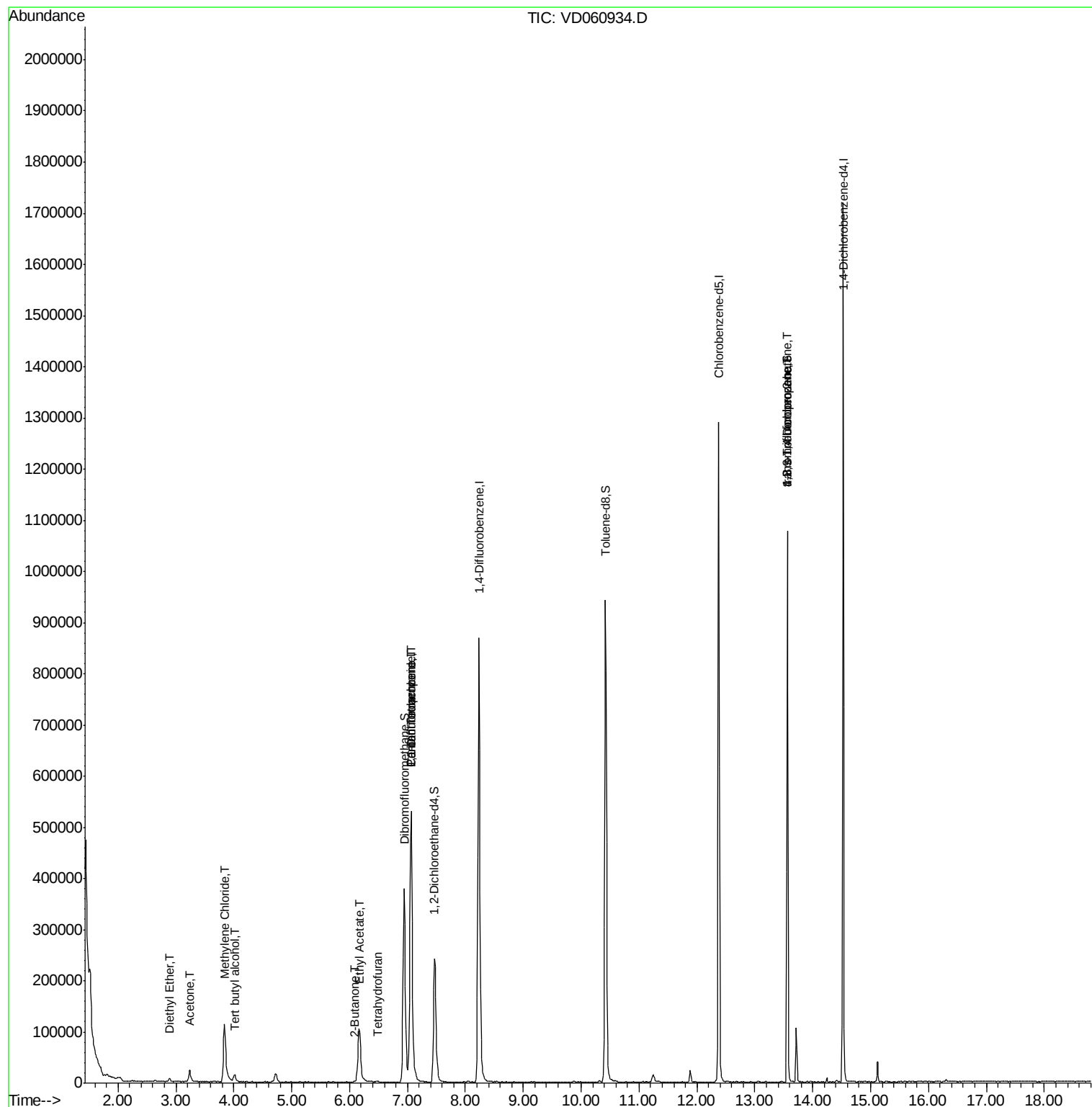
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.89	74	2704	1.075	ug/l	94
11) Tert butyl alcohol	4.02	59	11947	33.914	ug/l #	77
16) Acetone	3.24	43	45708	28.963	ug/l	96
20) Methylene Chloride	3.84	84	89369	8.950	ug/l	99
25) 2-Butanone	6.09	43	2433	1.243	ug/l #	55
29) Tetrahydrofuran	6.48	42	2062	2.046	ug/l #	58
36) 1,1-Dichloropropene	7.06	75	43108	4.467	ug/l #	45
37) Ethyl Acetate	6.17	43	7218	1.455	ug/l #	1
38) Carbon Tetrachloride	7.06	117	54474	5.254	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	94503	15.183	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	121498	65.956	ug/l #	20
89) n-Butylbenzene	14.81	91	510	Below Cal	#	29

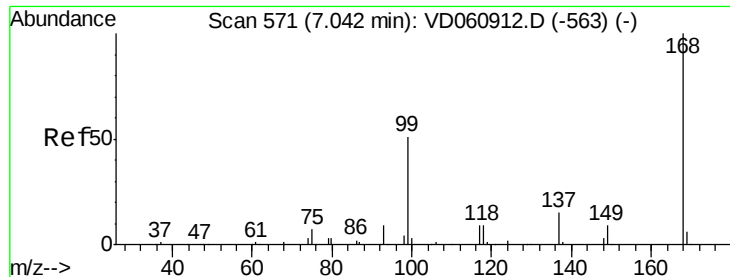
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060934.D

Acq: 4 Mar 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

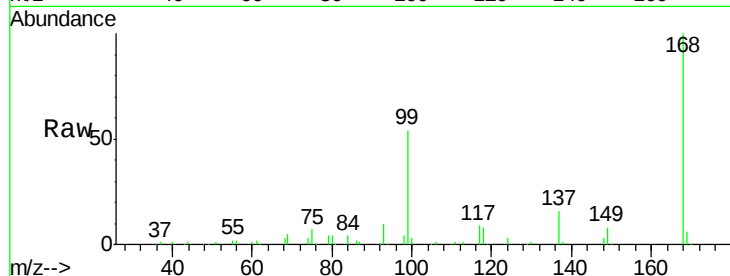
SB-B-0-2

Tot Ion:168 Resp: 571748

Ion Ratio Lower Upper

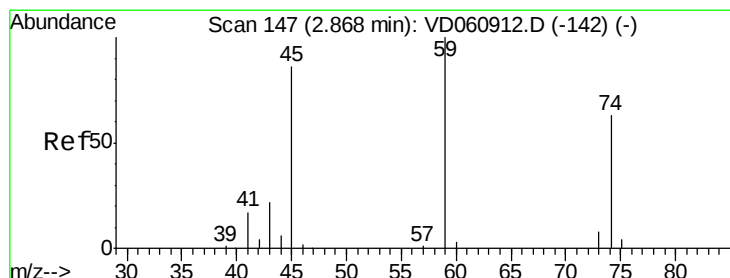
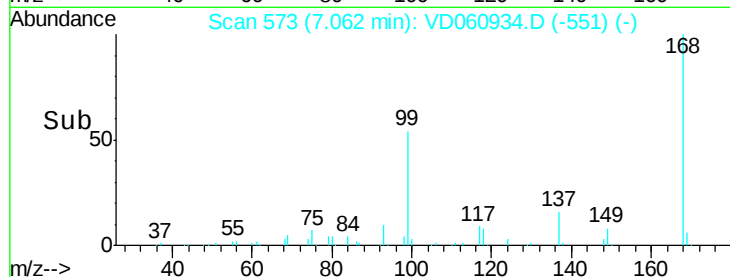
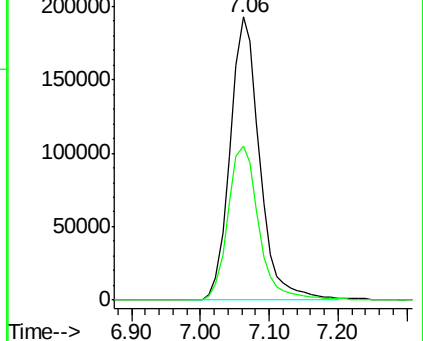
168 100

99 54.2 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.075 ug/l

RT: 2.89 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD060934.D

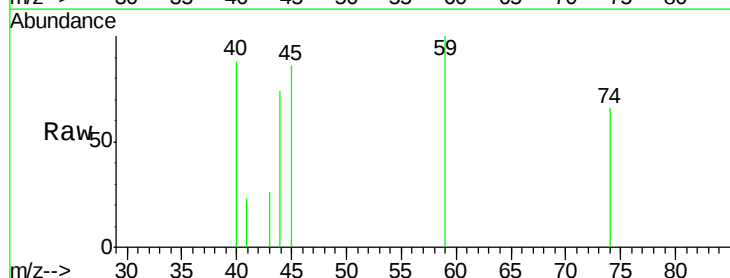
Acq: 4 Mar 2019 20:09

Tgt Ion: 74 Resp: 2704

Ion Ratio Lower Upper

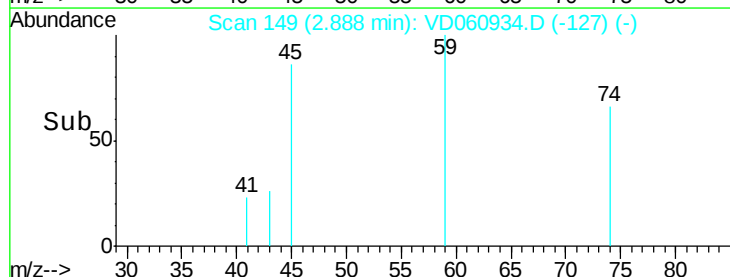
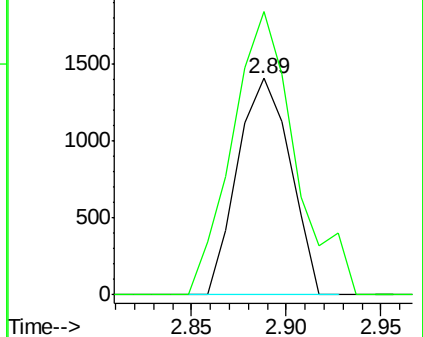
74 100

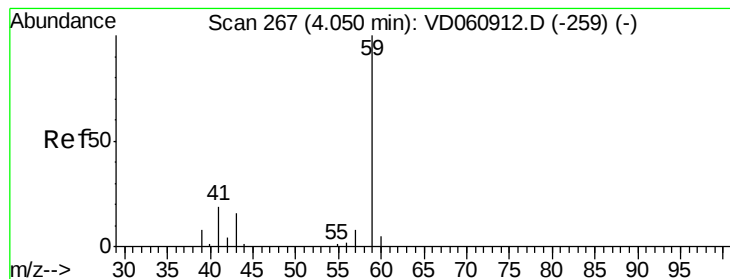
45 130.8 68.8 206.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



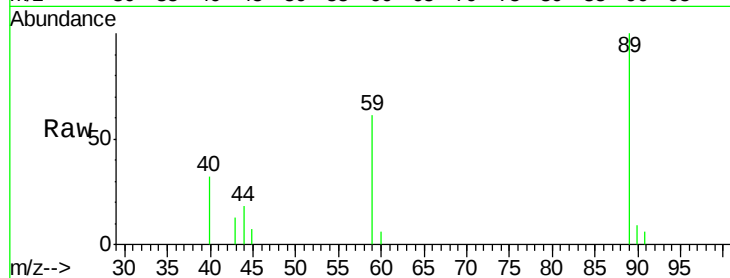


#11

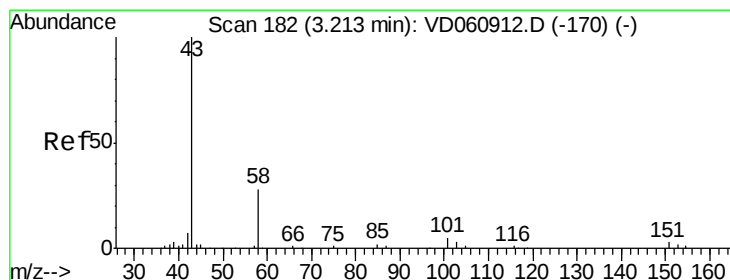
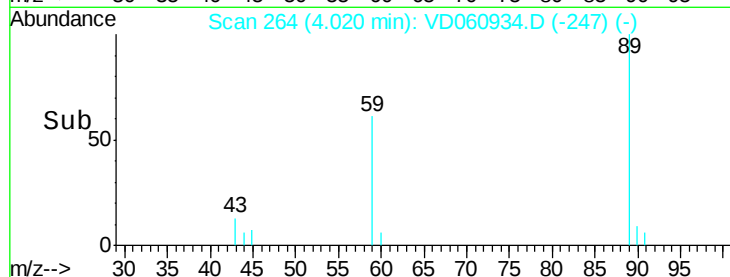
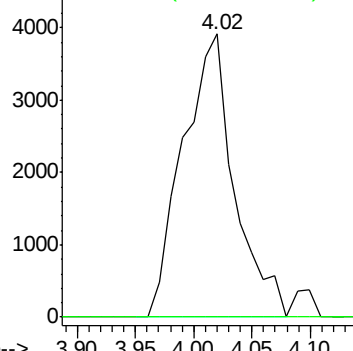
Tert butyl alcohol
 Concen: 33.914 ug/l
 RT: 4.02 min Scan# 264
 Delta R.T. -0.03 min
 Lab File: VD060934.D
 Acq: 4 Mar 2019 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-0-2

Tot Ion: 59 Resp: 11947
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#



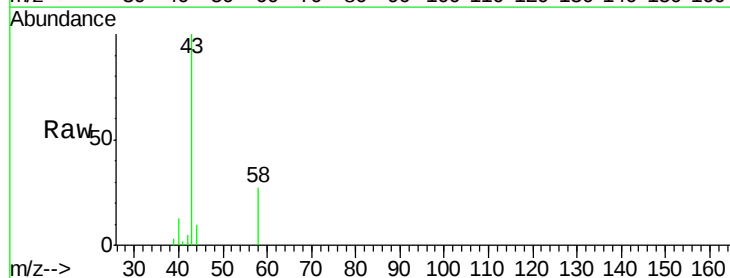
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



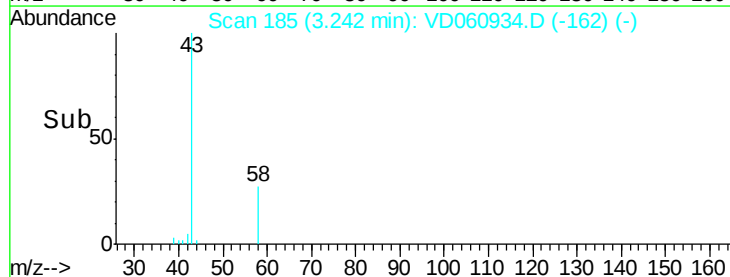
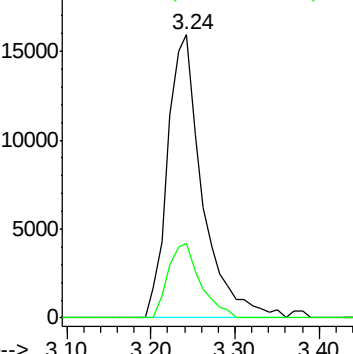
#16

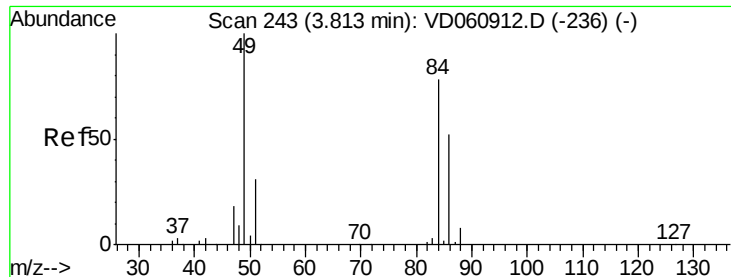
Acetone
 Concen: 28.963 ug/l
 RT: 3.24 min Scan# 185
 Delta R.T. 0.03 min
 Lab File: VD060934.D
 Acq: 4 Mar 2019 20:09

Tgt Ion: 43 Resp: 45708
 Ion Ratio Lower Upper
 43 100
 58 26.6 22.8 34.2



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

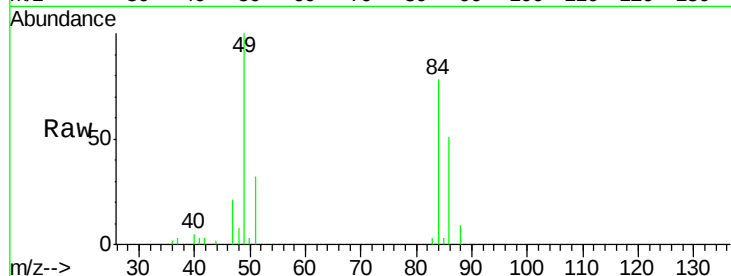




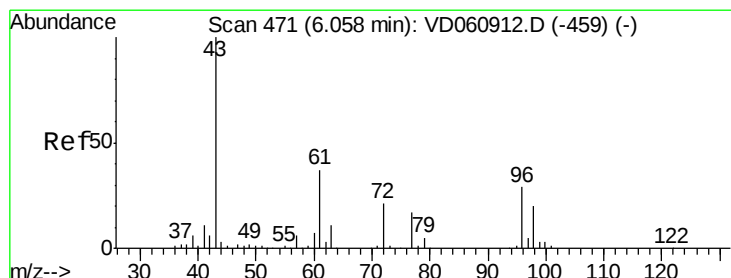
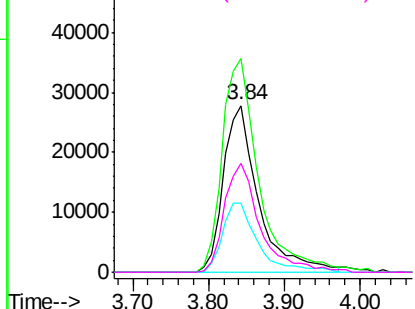
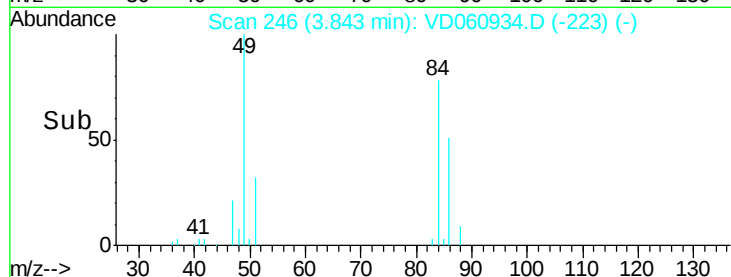
#20
Methvlene Chloride
Concen: 8.950 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060934.D
Acq: 4 Mar 2019 20:09

Instrument :
MSVOA_D
ClientSampleId :
SB-B-0-2

Tot Ion: 84 Resp: 89369
Ion Ratio Lower Upper
84 100
49 128.2 102.4 153.6
51 41.4 31.9 47.9
86 65.0 53.1 79.7

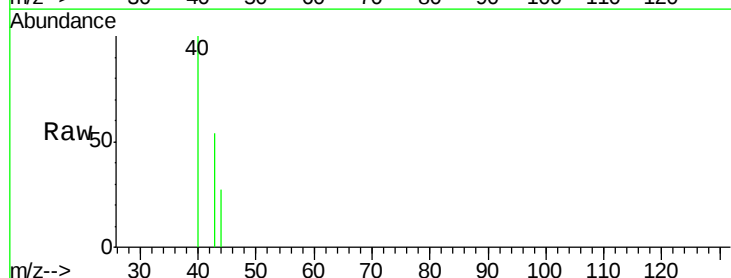


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

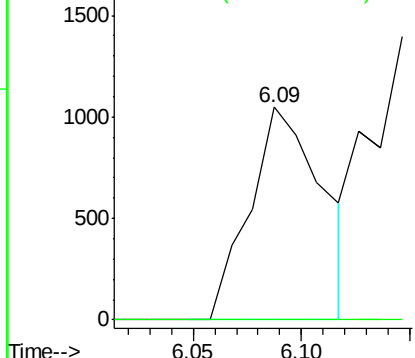
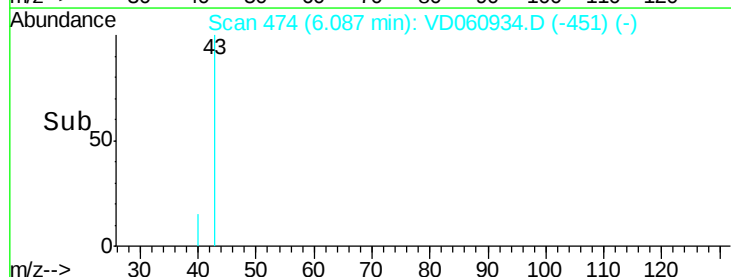


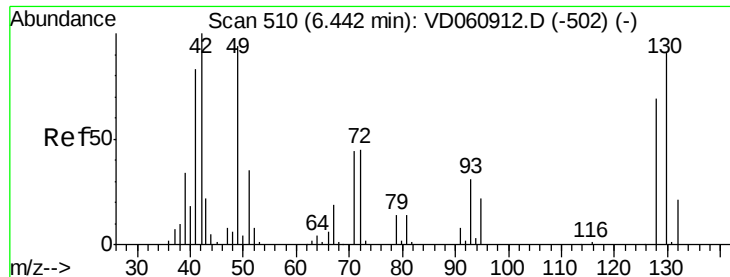
#25
2-Butanone
Concen: 1.243 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.03 min
Lab File: VD060934.D
Acq: 4 Mar 2019 20:09

Tgt Ion: 43 Resp: 2433
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 2.046 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD060934.D

Acq: 4 Mar 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

SB-B-0-2

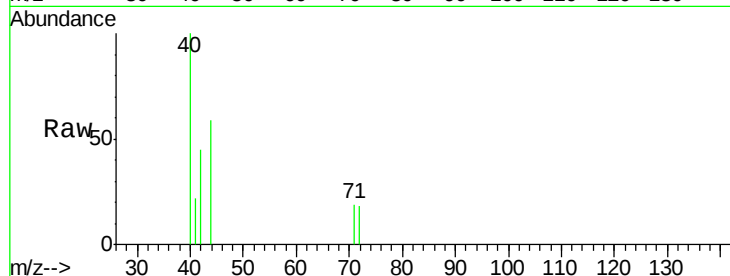
Tot Ion: 42 Resp: 2062

Ion Ratio Lower Upper

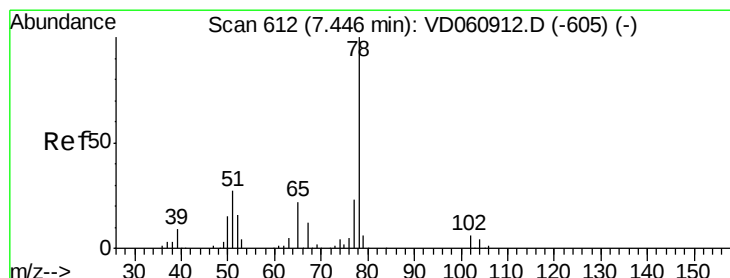
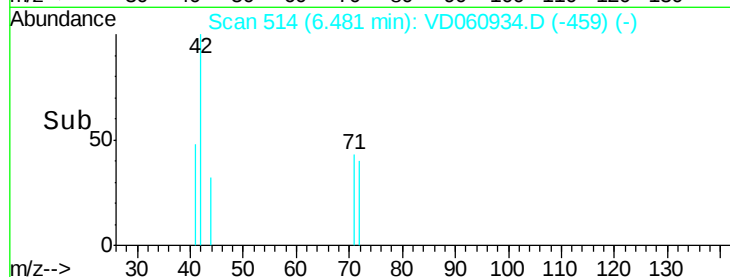
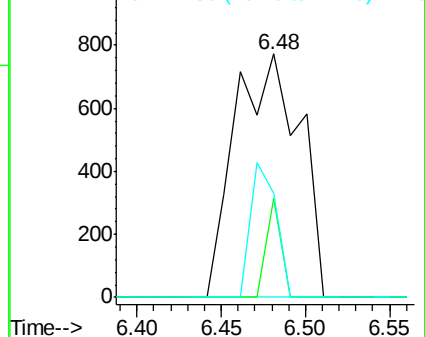
42 100

72 9.0 33.8 50.6#

71 21.7 33.5 50.3#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060934.D

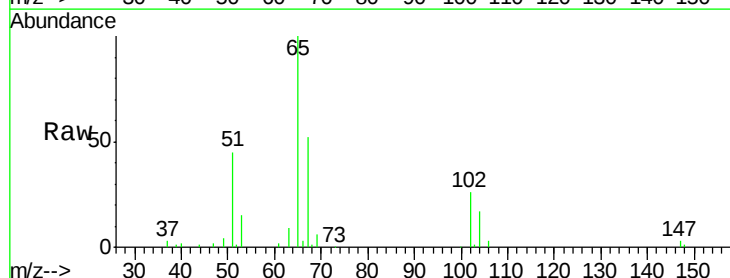
Acq: 4 Mar 2019 20:09

Tgt Ion: 65 Resp: 226600

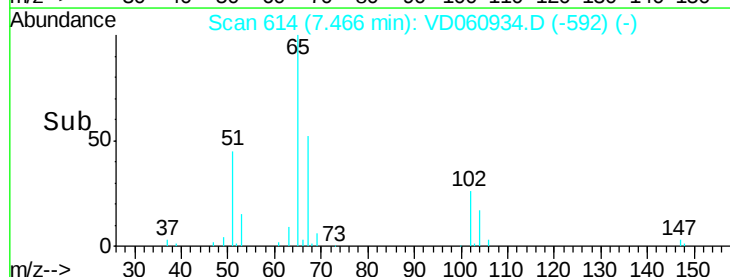
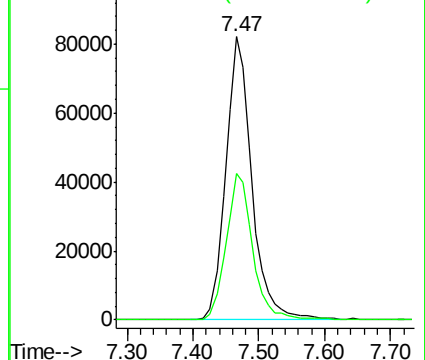
Ion Ratio Lower Upper

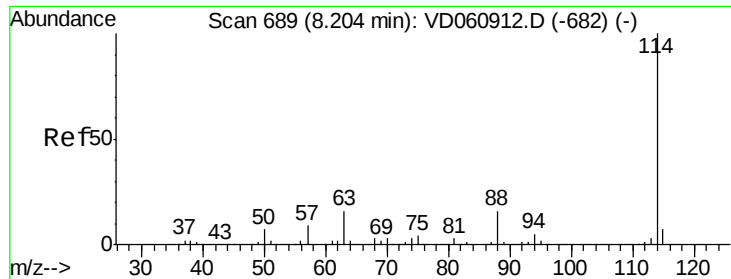
65 100

67 51.6 0.0 109.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

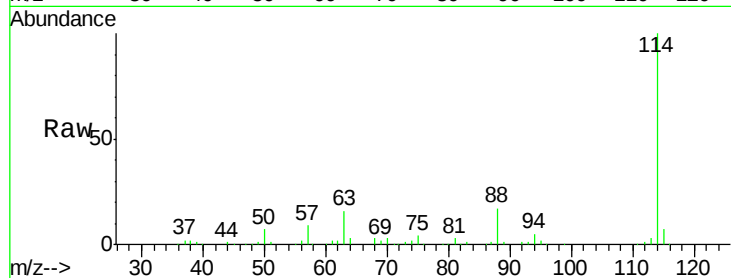




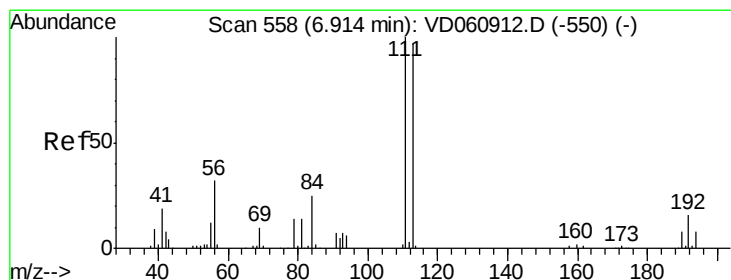
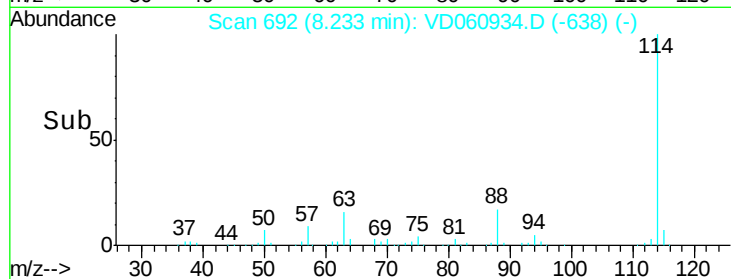
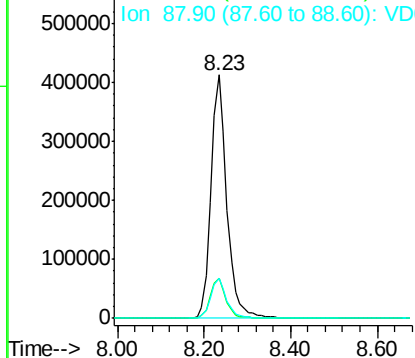
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD060934.D
 Acq: 4 Mar 2019 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-0-2

Tot Ion:114 Resp: 1049602
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.0
 88 16.5 0.0 32.8

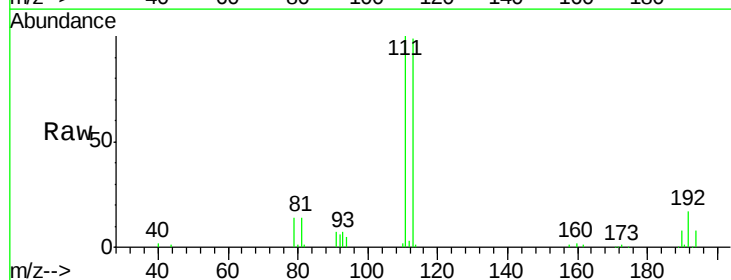


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

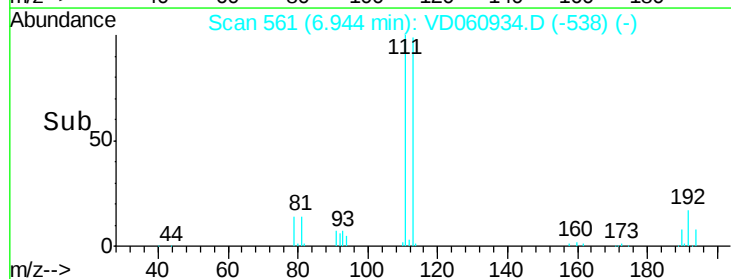
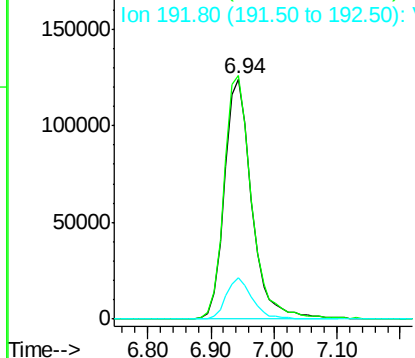


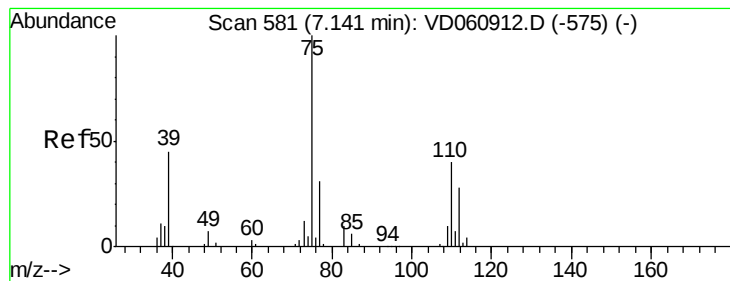
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.03 min
 Lab File: VD060934.D
 Acq: 4 Mar 2019 20:09

Tgt Ion:113 Resp: 371862
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.6 124.0
 192 17.3 13.4 20.2



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





#36

1,1-Dichloropropene

Concen: 4.467 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD060934.D

Acq: 4 Mar 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

SB-B-0-2

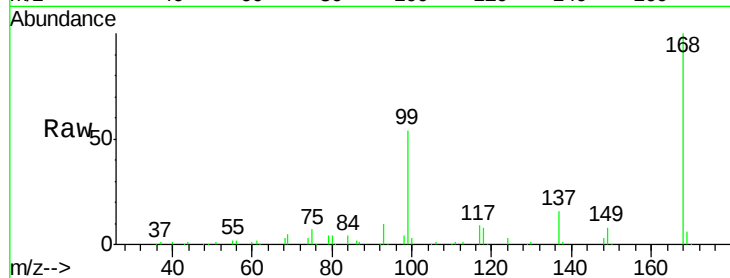
Tot Ion: 75 Resp: 43108

Ion Ratio Lower Upper

75 100

110 6.4 19.9 59.7#

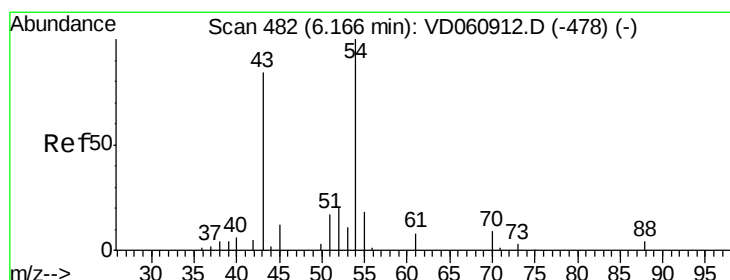
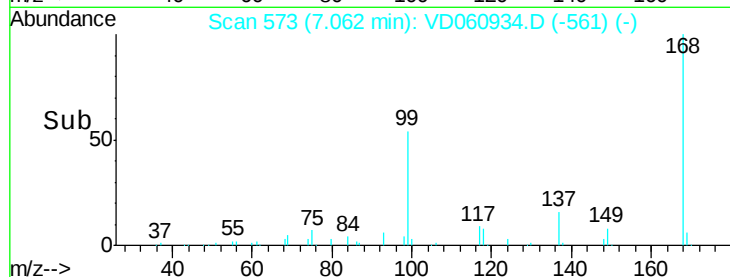
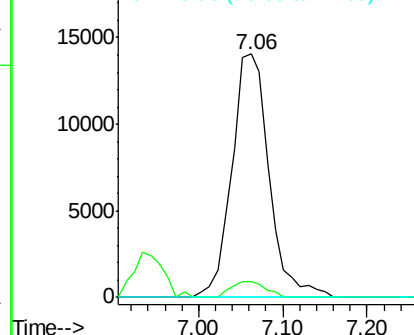
77 0.0 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.455 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD060934.D

Acq: 4 Mar 2019 20:09

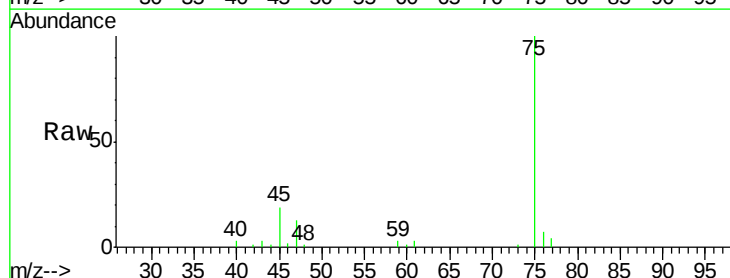
Tgt Ion: 43 Resp: 7218

Ion Ratio Lower Upper

43 100

61 83.2 12.1 18.1#

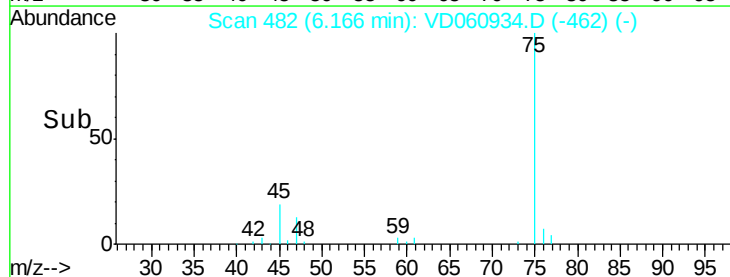
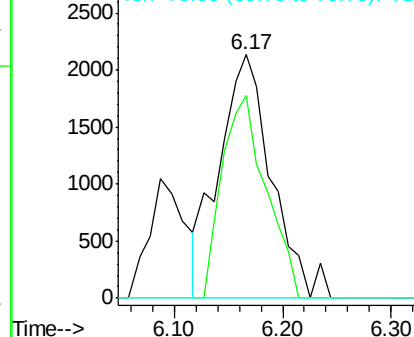
70 0.0 7.3 10.9#

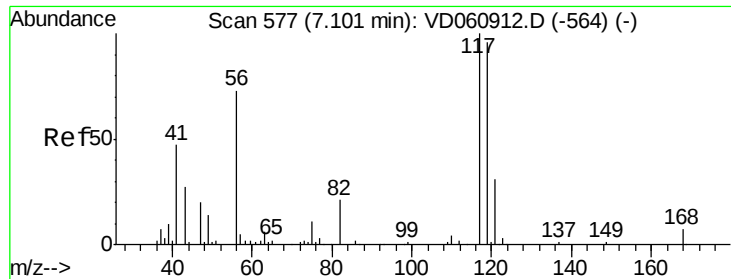


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

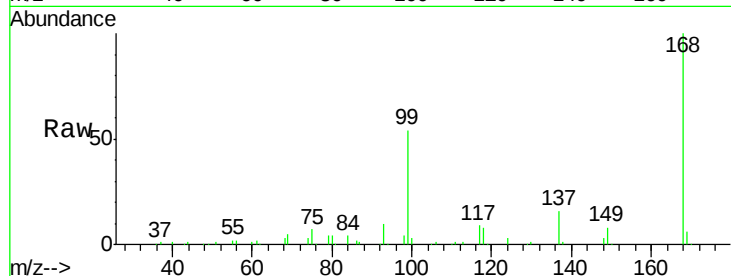




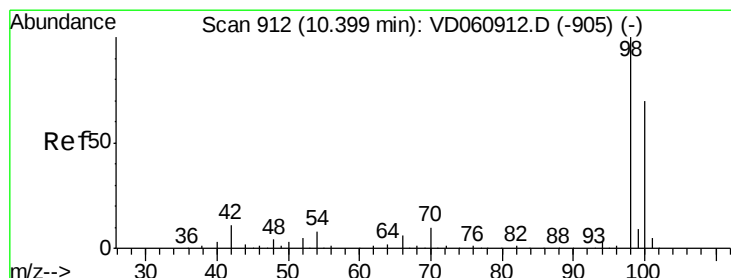
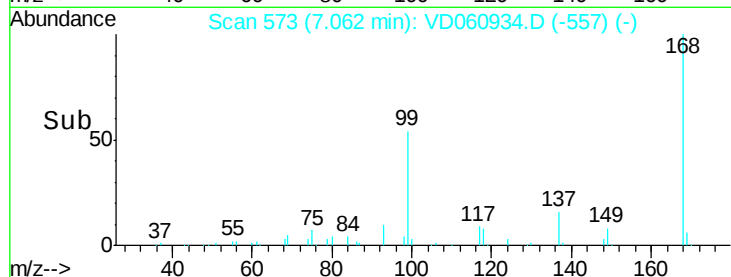
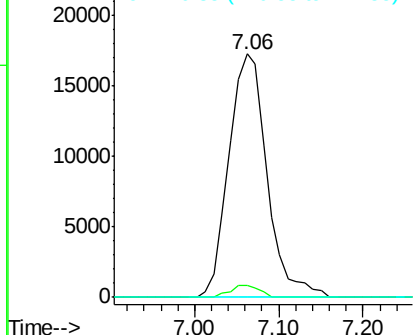
#38
Carbon Tetrachloride
Concen: 5.254 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD060934.D
Acq: 4 Mar 2019 20:09

Instrument :
MSVOA_D
ClientSampleId :
SB-B-0-2

Tot Ion:117 Resp: 54474
Ion Ratio Lower Upper
117 100
119 4.7 76.9 115.3#
121 0.0 24.5 36.7#

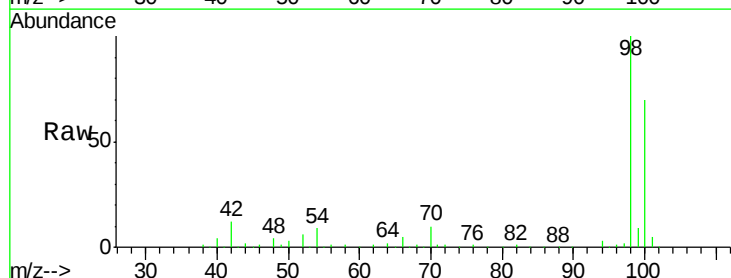


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

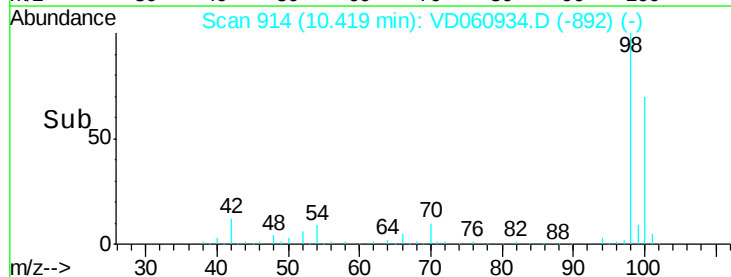
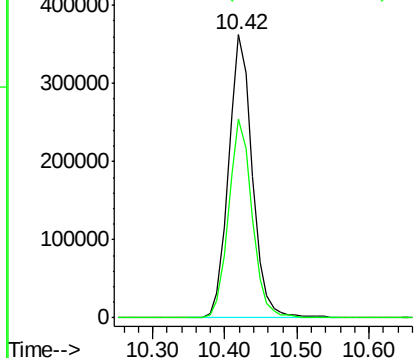


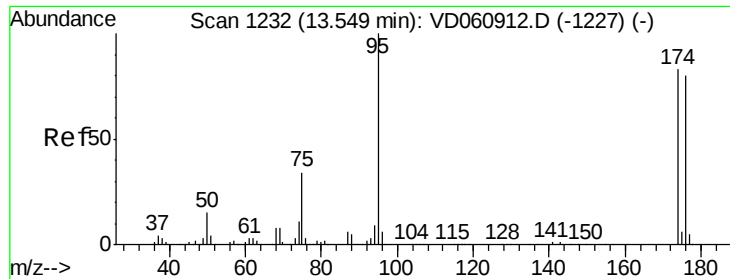
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD060934.D
Acq: 4 Mar 2019 20:09

Tgt Ion: 98 Resp: 830376
Ion Ratio Lower Upper
98 100
100 70.5 57.0 85.4



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

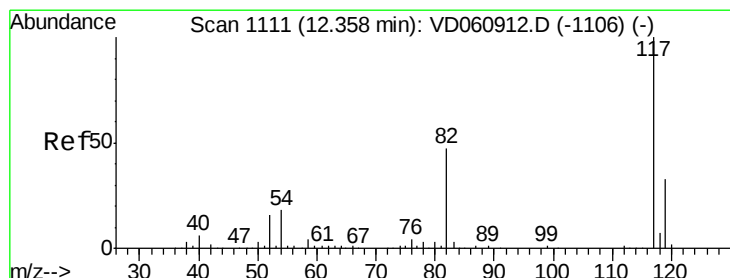
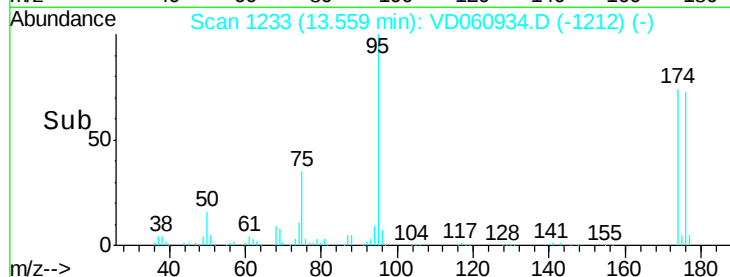
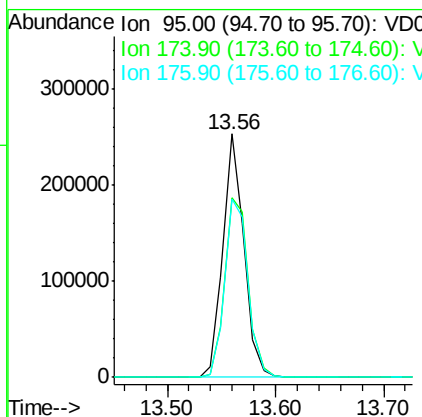
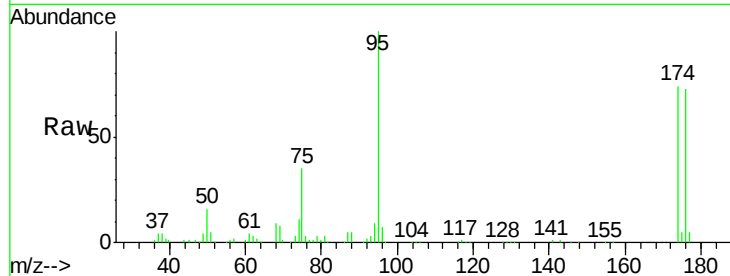




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD060934.D
Acq: 4 Mar 2019 20:09

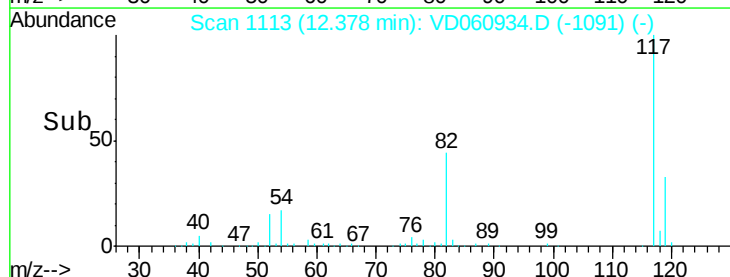
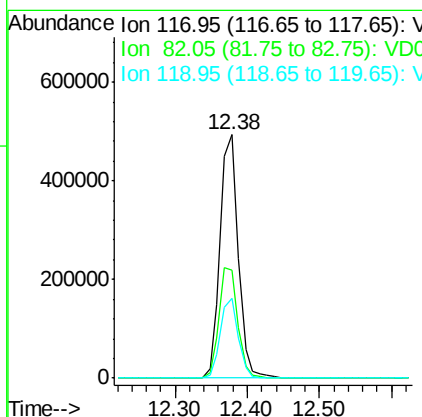
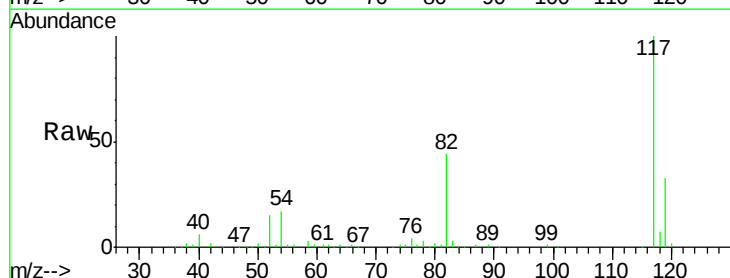
Instrument :
MSVOA_D
ClientSampleId :
SB-B-0-2

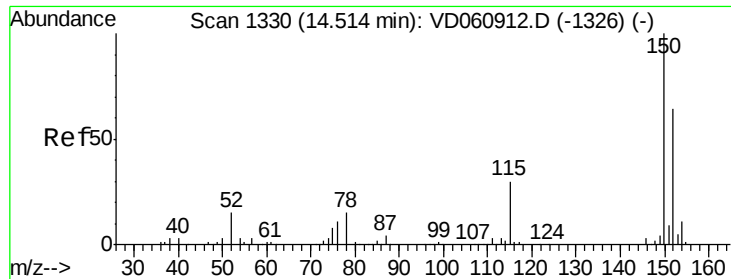
Tot Ion: 95 Resp: 340506
Ion Ratio Lower Upper
95 100
174 73.6 0.0 165.6
176 73.0 0.0 160.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060934.D
Acq: 4 Mar 2019 20:09

Tgt Ion: 117 Resp: 856843
Ion Ratio Lower Upper
117 100
82 44.1 37.5 56.3
119 32.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060934.D

Acq: 4 Mar 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

SB-B-0-2

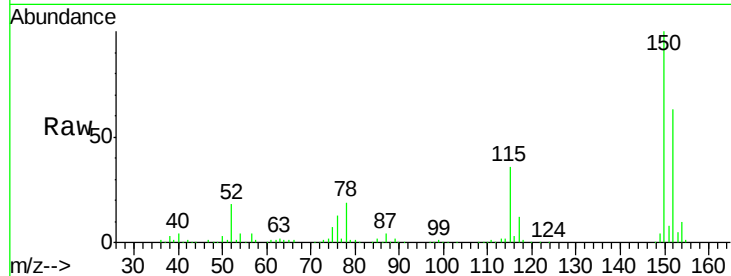
Tot Ion:152 Resp: 384154

Ion Ratio Lower Upper

152 100

115 56.3 27.6 82.8

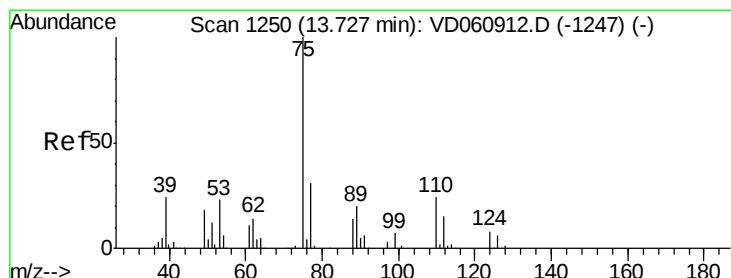
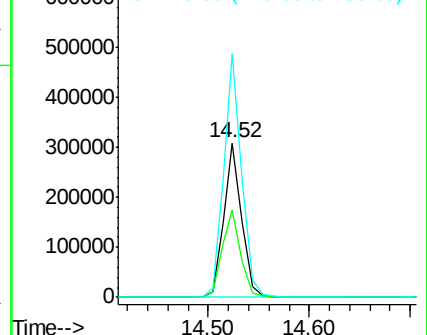
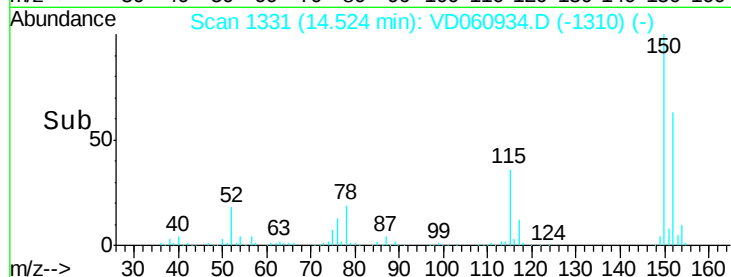
150 157.6 0.0 312.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 15.183 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD060934.D

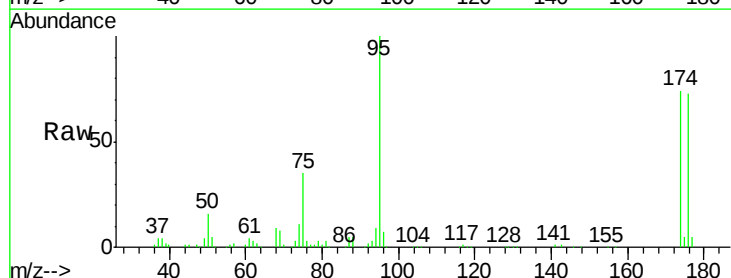
Acq: 4 Mar 2019 20:09

Tgt Ion: 75 Resp: 94503

Ion Ratio Lower Upper

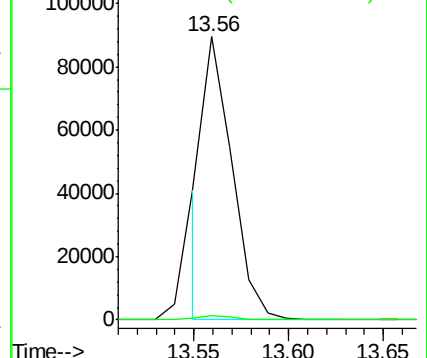
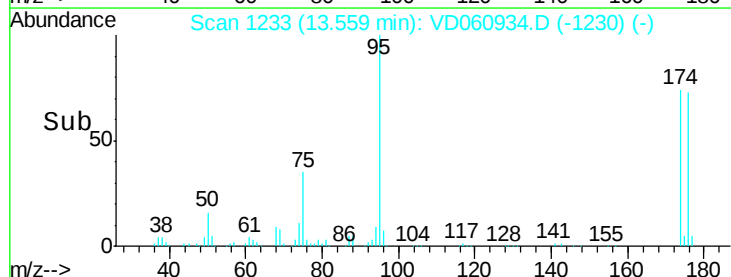
75 100

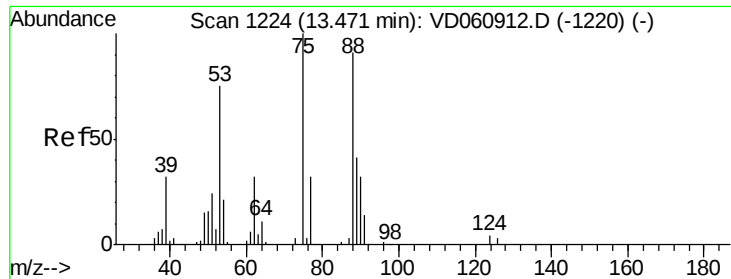
77 1.7 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 65.956 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060934.D

Acq: 4 Mar 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

SB-B-0-2

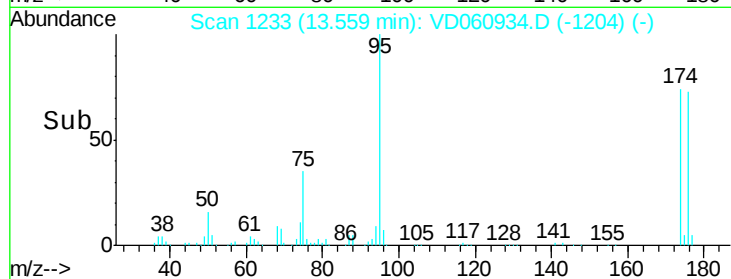
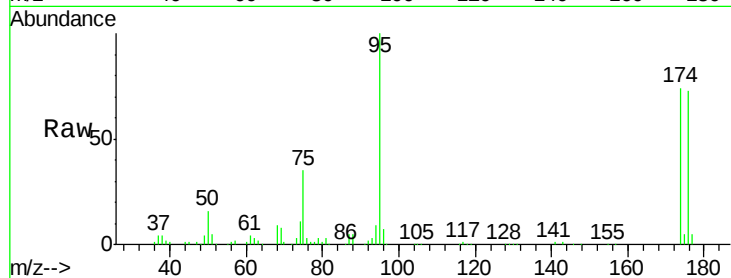
Tot Ion: 75 Resp: 121498

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#



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

