

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061175.D
 Acq On : 19 Mar 2019 6:53
 Operator : VA/AP
 Sample : K1970-06
 Misc : 6.43g/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

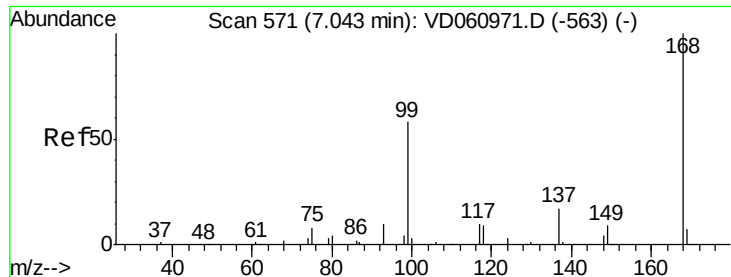
Quant Time: Mar 19 08:23:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	73143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	150699	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	172803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	79182	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	80815	132.74	ug/l	0.00
Spiked Amount			Recovery	=	265.48%	
35) Dibromofluoromethane	6.92	113	87672	78.39	ug/l	0.00
Spiked Amount			Recovery	=	156.78%	
50) Toluene-d8	10.39	98	166241	59.19	ug/l	0.00
Spiked Amount			Recovery	=	118.38%	
62) 4-Bromofluorobenzene	13.54	95	85258	78.24	ug/l	0.00
Spiked Amount			Recovery	=	156.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	5523	142.495	ug/l #	75
16) Acetone	3.21	43	47214	271.188	ug/l	94
18) Methyl Acetate	3.66	43	587	1.713	ug/l #	59
20) Methylene Chloride	3.81	84	3405	Below Cal	#	66
25) 2-Butanone	6.07	43	1720	8.706	ug/l #	55
26) 2,2-Dichloropropane	6.12	77	10393	9.964	ug/l #	50
29) Tetrahydrofuran	6.13	42	1124	10.478	ug/l #	33
36) 1,1-Dichloropropene	7.03	75	5408	4.163	ug/l #	39
37) Ethyl Acetate	6.14	43	9199	15.091	ug/l #	1
38) Carbon Tetrachloride	7.03	117	7073	4.943	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.54	75	31736	94.494	ug/l #	17
90) Hexachloroethane	15.08	117	1353	1.013	ug/l #	13
95) Naphthalene	16.12	128	3894	2.547	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061175.D

Acq: 19 Mar 2019 6:53

Instrument :

MSVOA_D

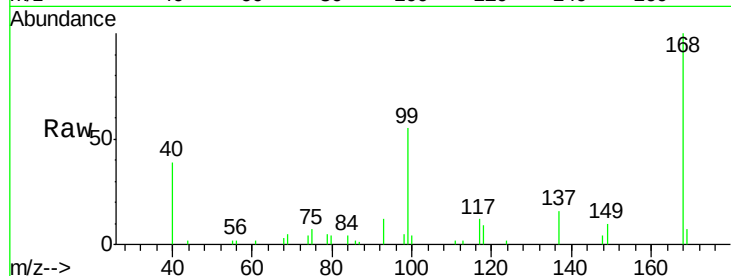
ClientSampleId :

Tot Ion:168 Resp: 73143

Ion Ratio Lower Upper

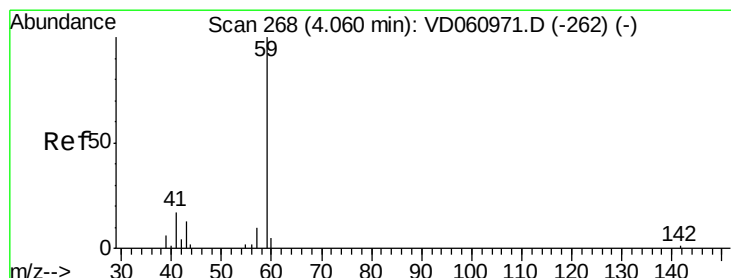
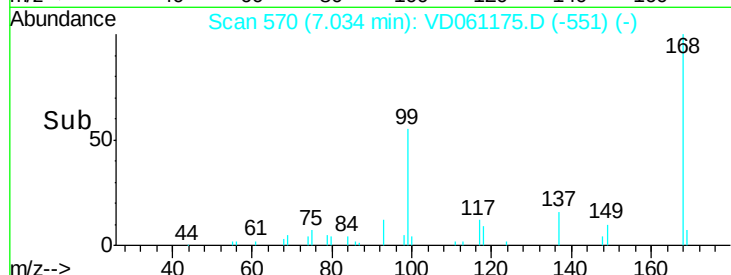
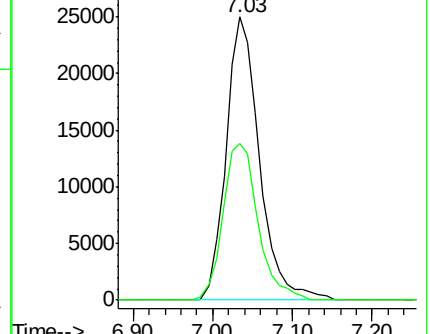
168 100

99 55.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 142.495 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.08 min

Lab File: VD061175.D

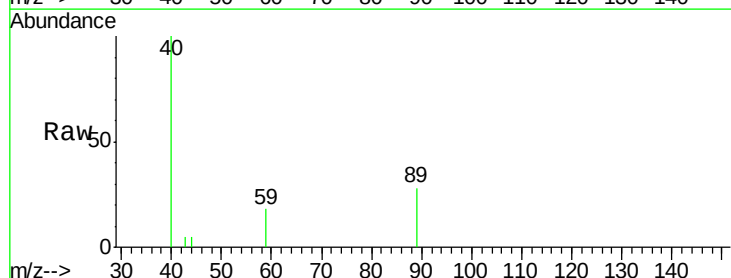
Acq: 19 Mar 2019 6:53

Tgt Ion: 59 Resp: 5523

Ion Ratio Lower Upper

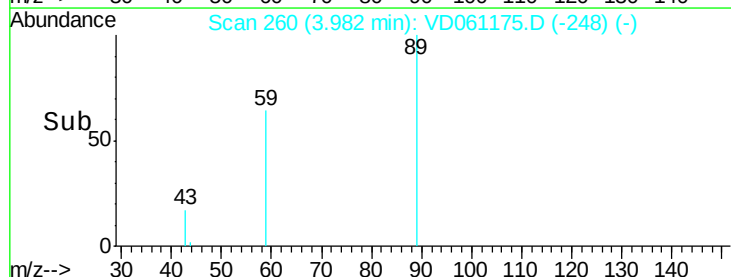
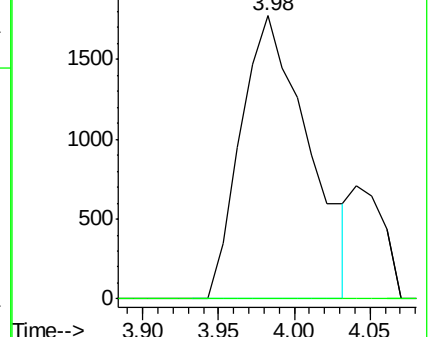
59 100

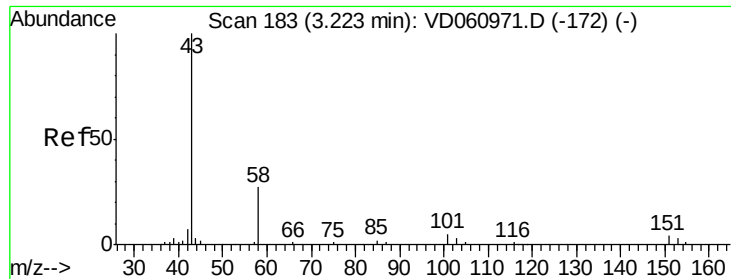
57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

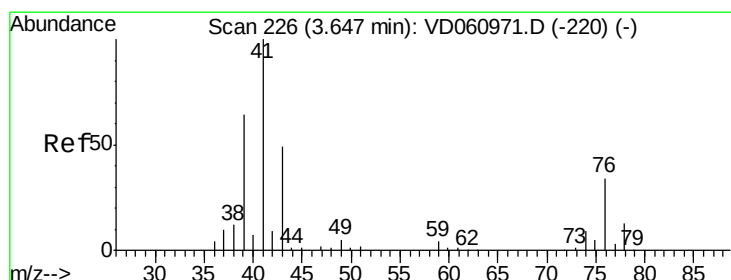
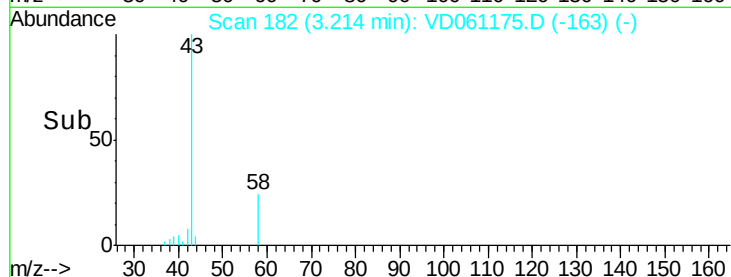
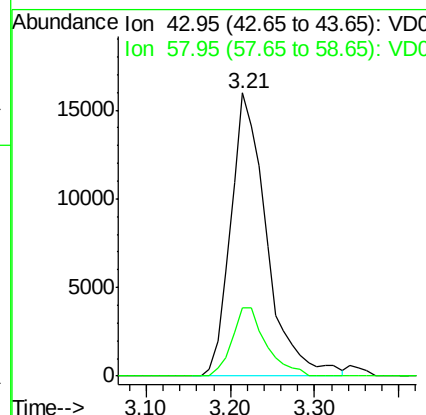
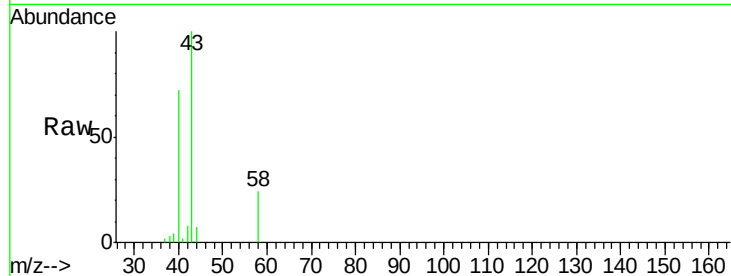




#16
 Acetone
 Concen: 271.188 ug/l
 RT: 3.21 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD061175.D
 Acq: 19 Mar 2019 6:53

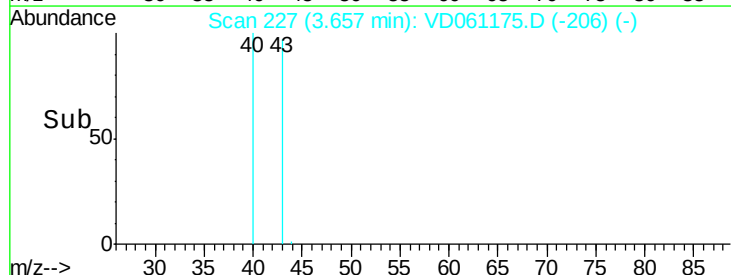
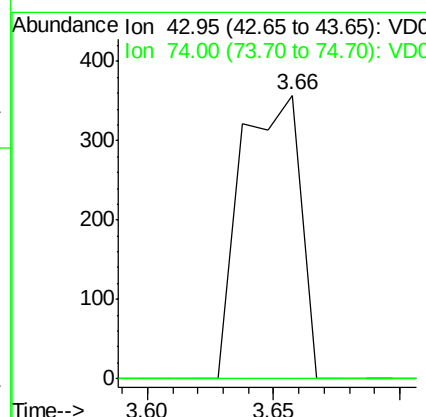
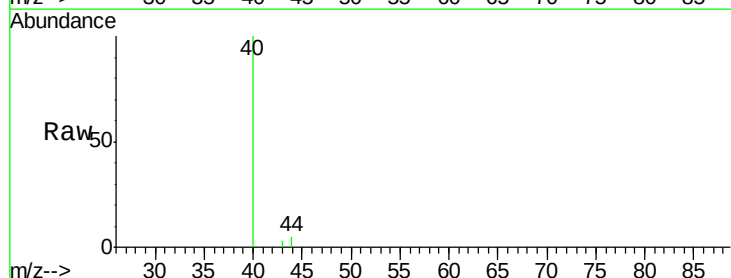
Instrument :
 MSVOA_D
 ClientSampleId :

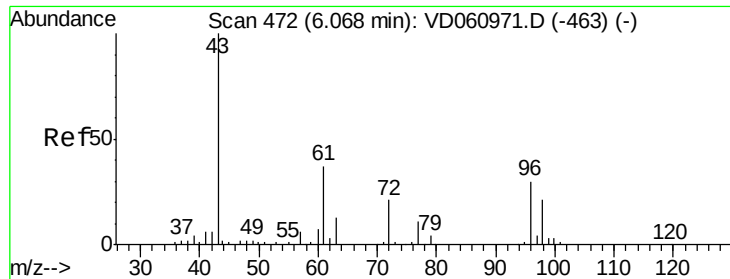
Tot Ion: 43 Resp: 47214
 Ion Ratio Lower Upper
 43 100
 58 24.0 21.6 32.4



#18
 Methyl Acetate
 Concen: 1.713 ug/l
 RT: 3.66 min Scan# 227
 Delta R.T. 0.01 min
 Lab File: VD061175.D
 Acq: 19 Mar 2019 6:53

Tgt Ion: 43 Resp: 587
 Ion Ratio Lower Upper
 43 100
 74 0.0 14.6 21.8#





#25

2-Butanone

Concen: 8.706 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061175.D

Acq: 19 Mar 2019 6:53

Instrument :

MSVOA_D

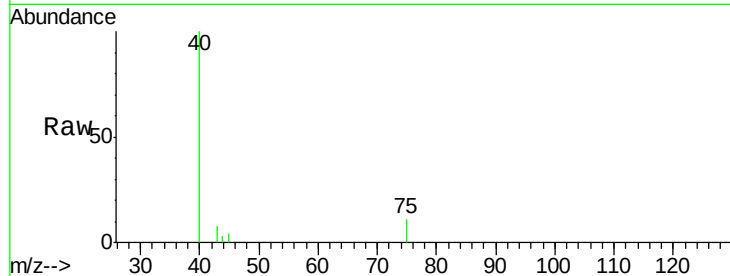
ClientSampled :

Tot Ion: 43 Resp: 1720

Ion Ratio Lower Upper

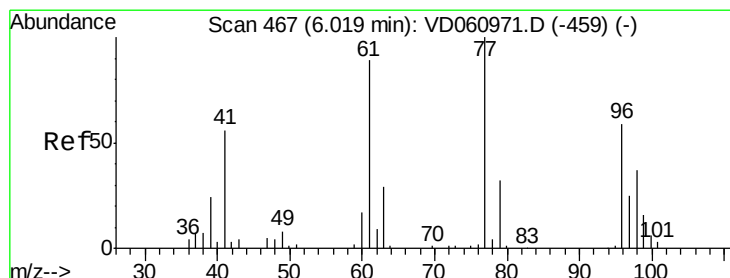
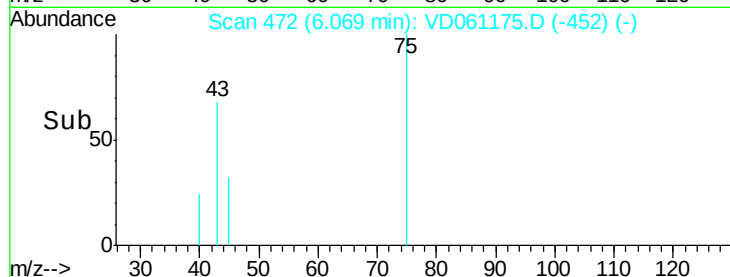
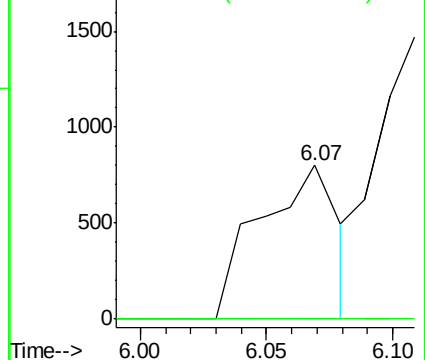
43 100

72 0.0 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: 9.964 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.10 min

Lab File: VD061175.D

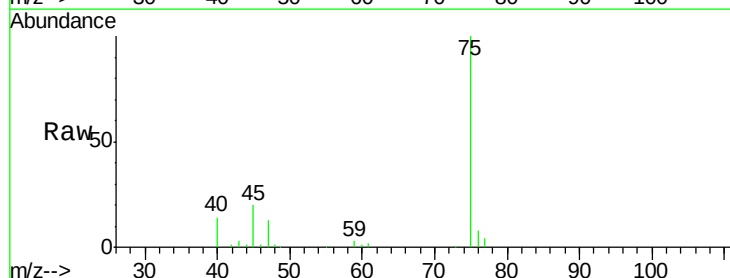
Acq: 19 Mar 2019 6:53

Tgt Ion: 77 Resp: 10393

Ion Ratio Lower Upper

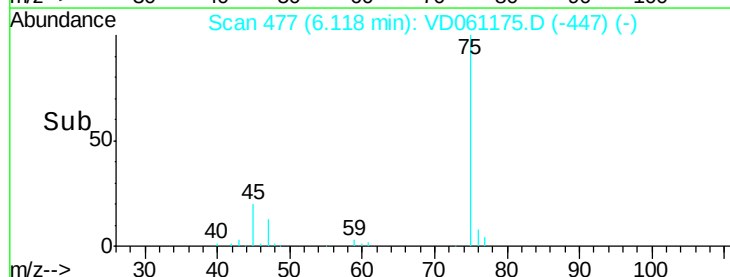
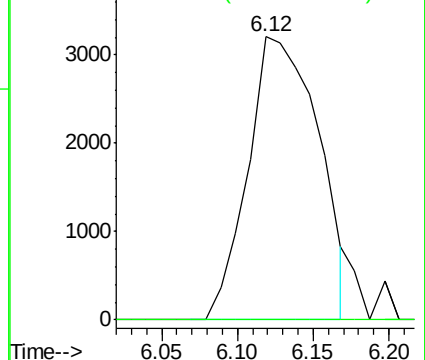
77 100

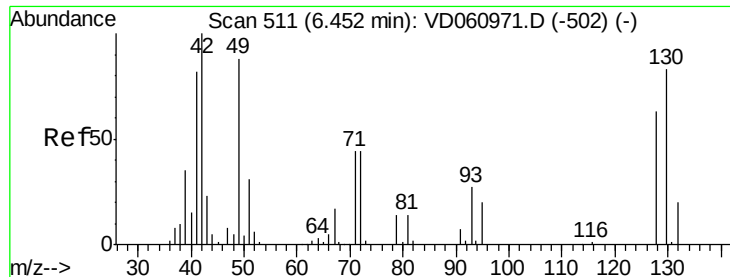
97 0.0 12.6 37.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#29

Tetrahydrofuran

Concen: 10.478 ug/l

RT: 6.13 min Scan# 478

Delta R.T. -0.32 min

Lab File: VD061175.D

Acq: 19 Mar 2019 6:53

Instrument :

MSVOA_D

ClientSampleId :

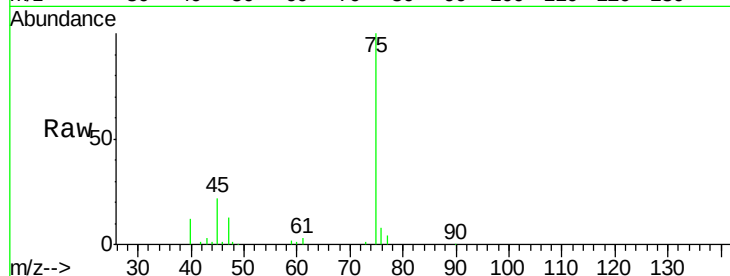
Tot Ion: 42 Resp: 1124

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

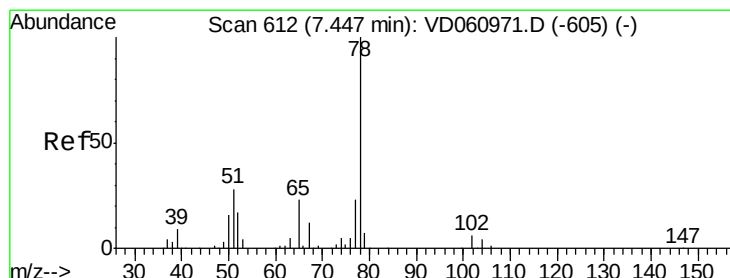
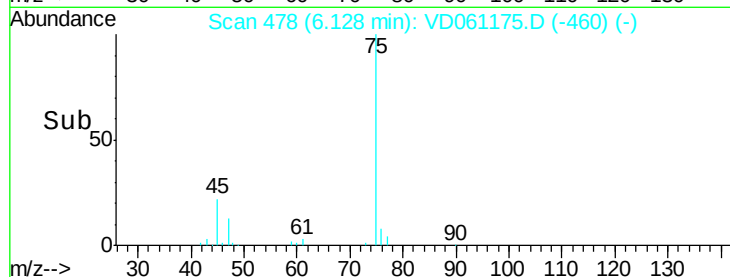
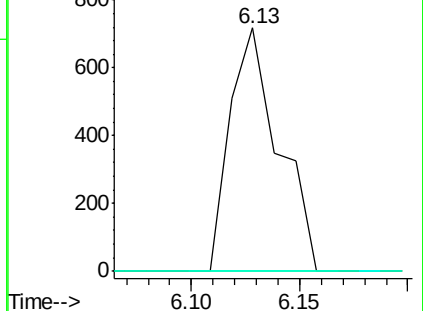
71 0.0 33.8 50.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061175.D

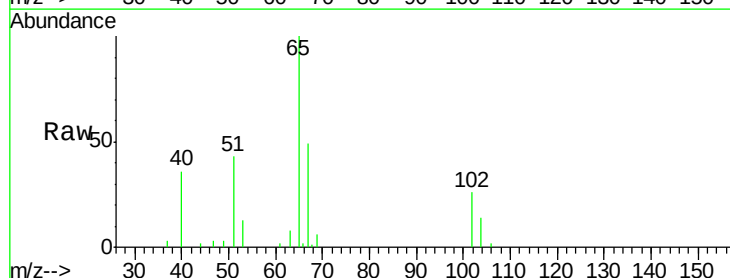
Acq: 19 Mar 2019 6:53

Tgt Ion: 65 Resp: 80815

Ion Ratio Lower Upper

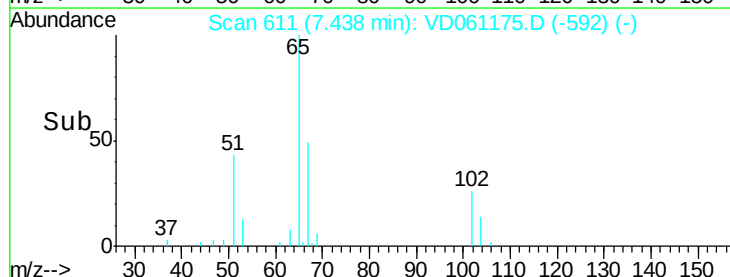
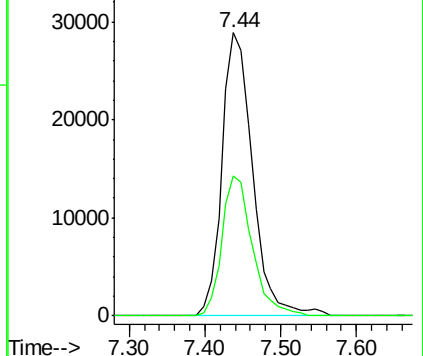
65 100

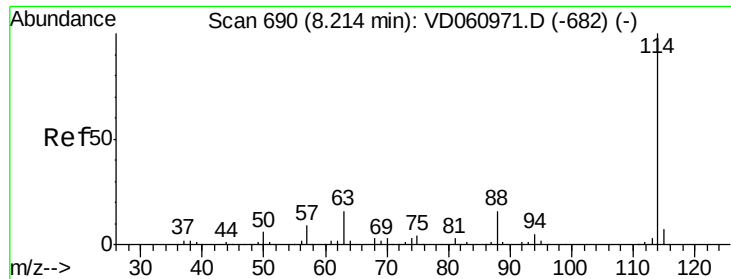
67 49.5 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

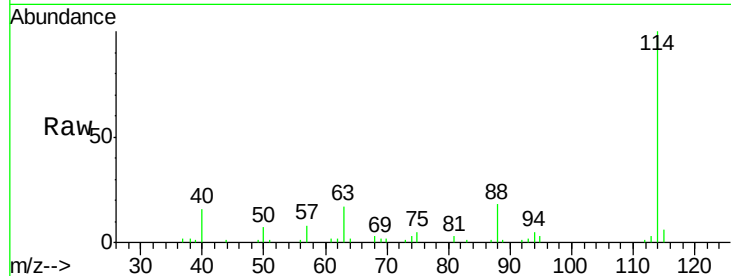




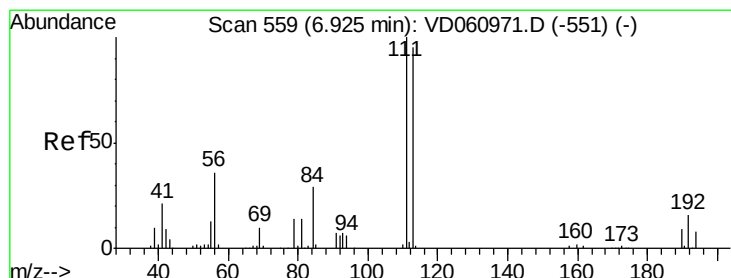
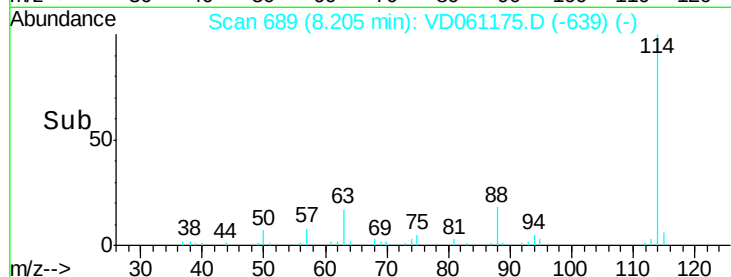
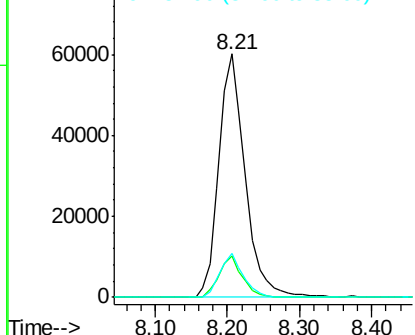
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061175.D
 Acq: 19 Mar 2019 6:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 150699
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 31.4
 88 18.0 0.0 33.0

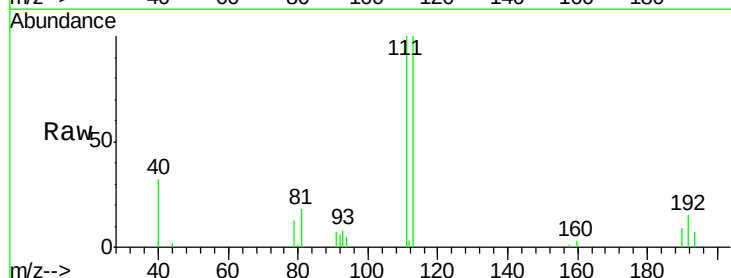


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

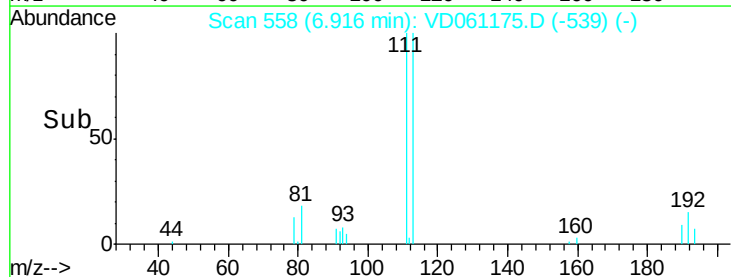
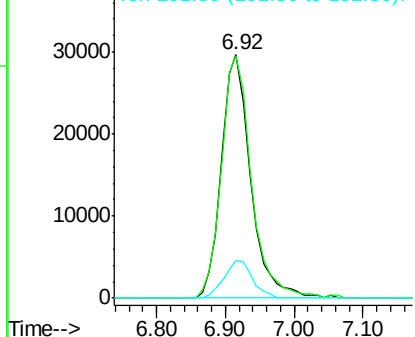


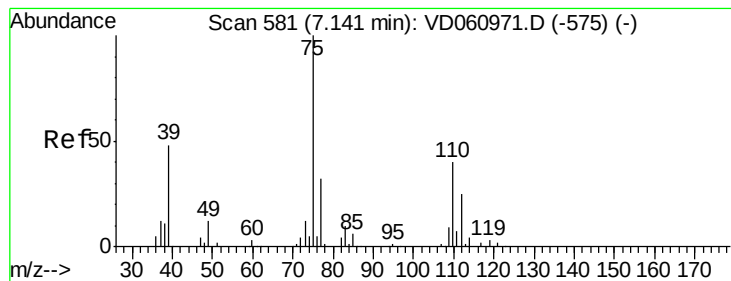
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061175.D
 Acq: 19 Mar 2019 6:53

Tgt Ion:113 Resp: 87672
 Ion Ratio Lower Upper
 113 100
 111 99.8 84.2 126.4
 192 15.3 13.1 19.7



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





#36

1,1-Dichloropropene

Concen: 4.163 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061175.D

Acq: 19 Mar 2019 6:53

Instrument :

MSVOA_D

ClientSampleId :

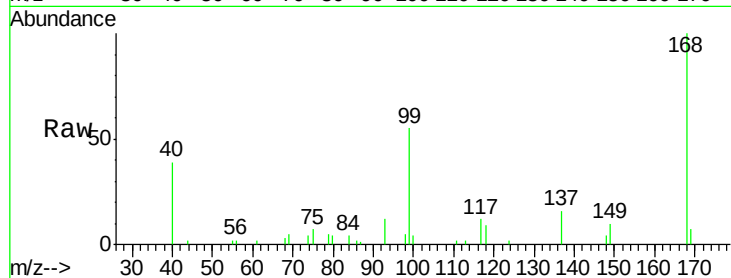
Tot Ion: 75 Resp: 5408

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.1#

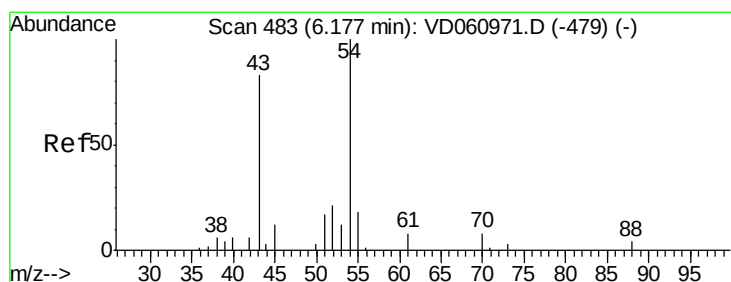
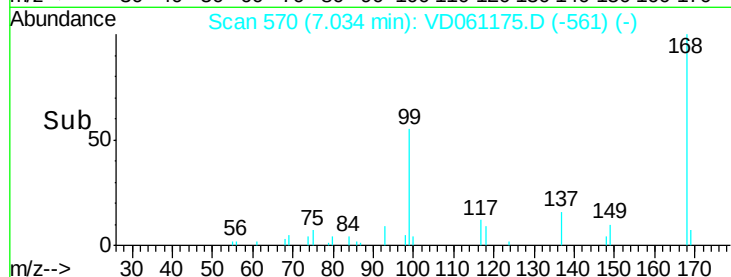
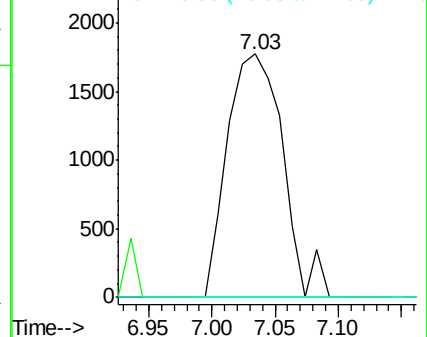
77 0.0 24.7 37.1#



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: 15.091 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.04 min

Lab File: VD061175.D

Acq: 19 Mar 2019 6:53

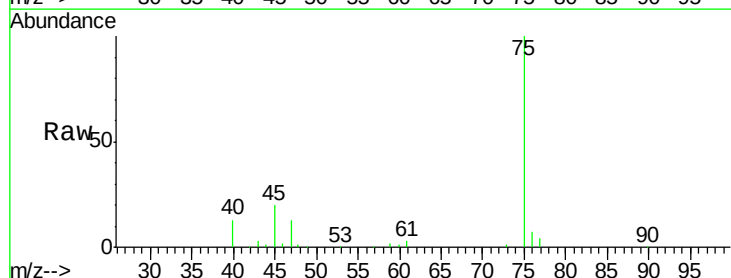
Tgt Ion: 43 Resp: 9199

Ion Ratio Lower Upper

43 100

61 87.6 13.7 20.5#

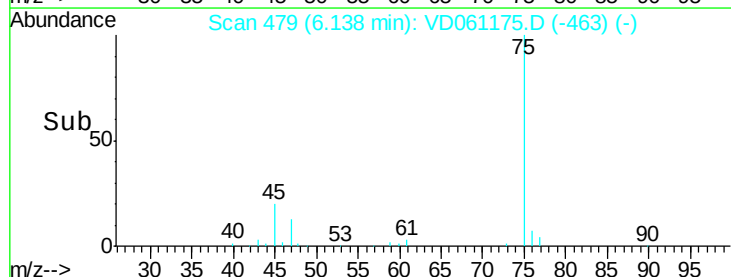
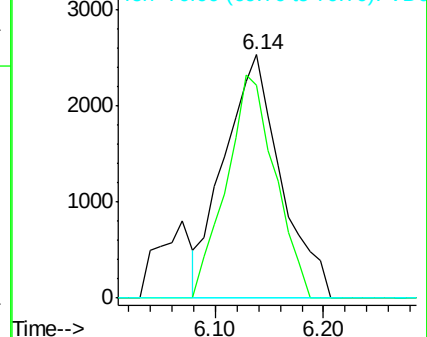
70 0.0 7.1 10.7#

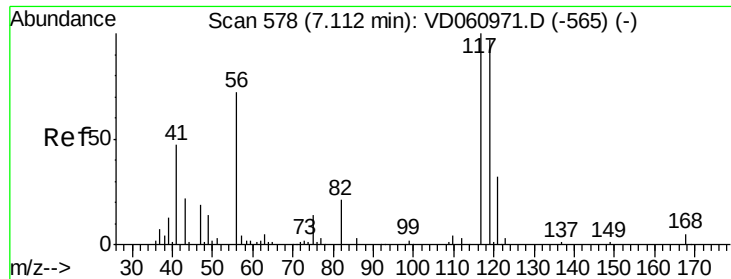


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

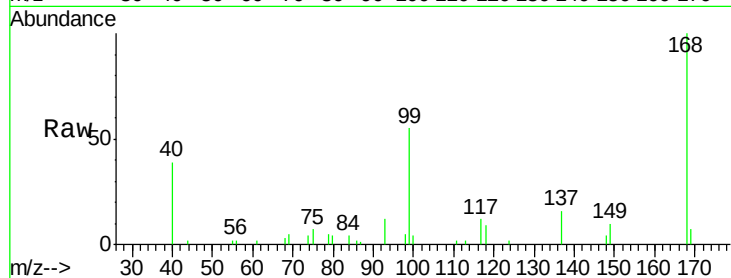




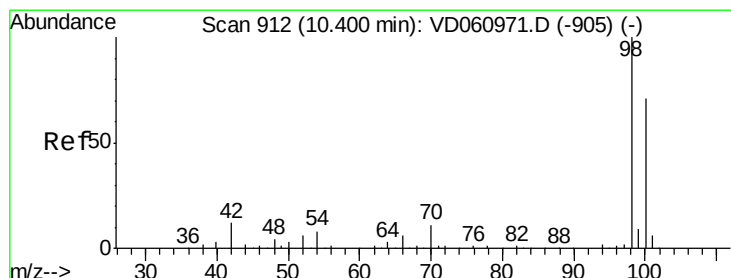
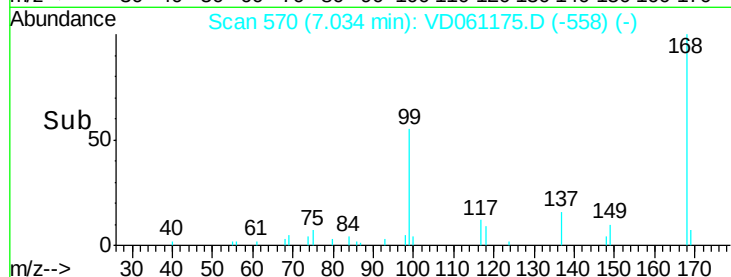
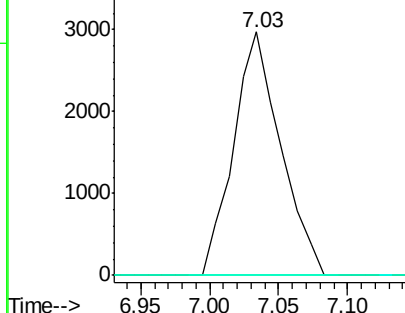
#38
Carbon Tetrachloride
Concen: 4.943 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061175.D
Acq: 19 Mar 2019 6:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 7073
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.8#
121 0.0 25.3 37.9#

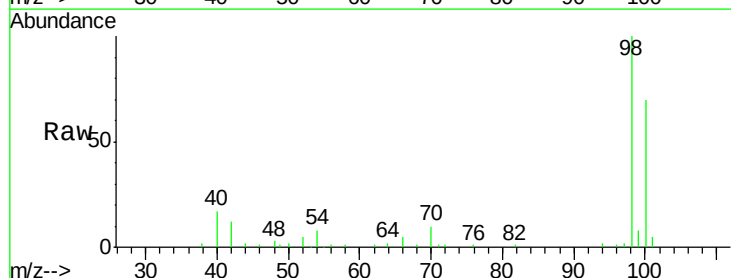


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

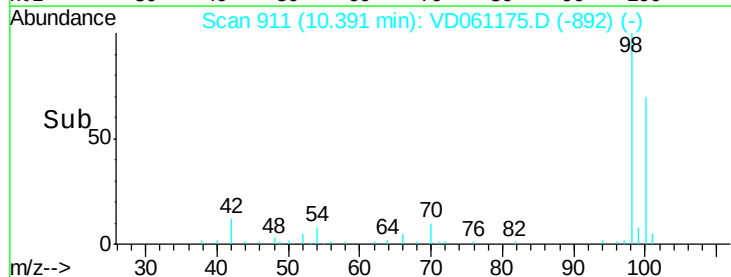
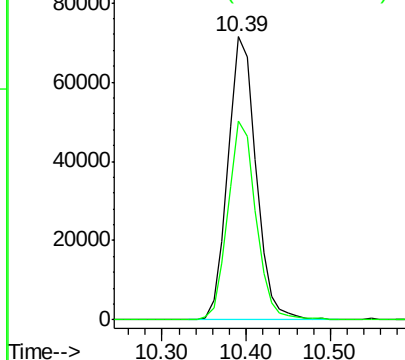


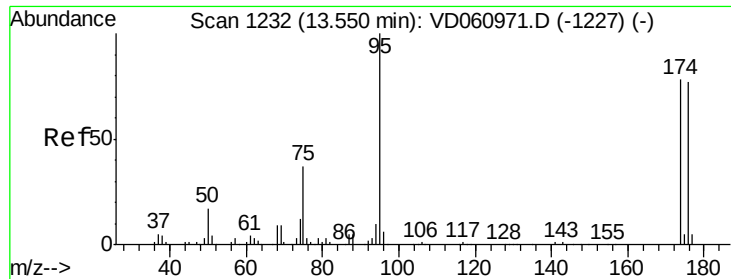
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061175.D
Acq: 19 Mar 2019 6:53

Tgt Ion: 98 Resp: 166241
Ion Ratio Lower Upper
98 100
100 70.2 57.4 86.2



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

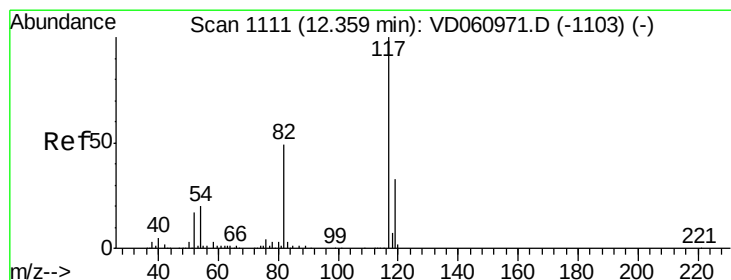
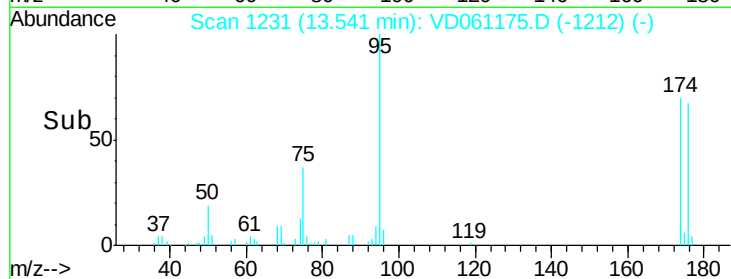
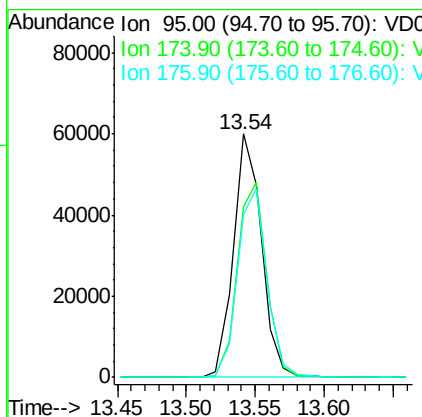
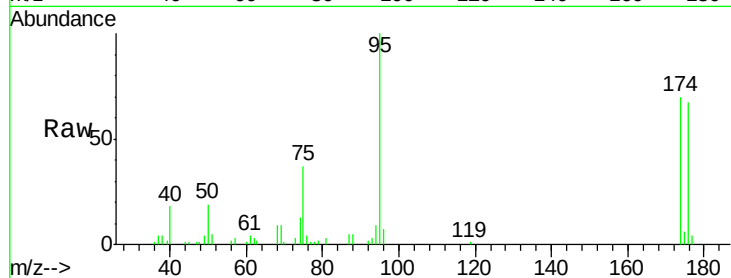




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061175.D
Acq: 19 Mar 2019 6:53

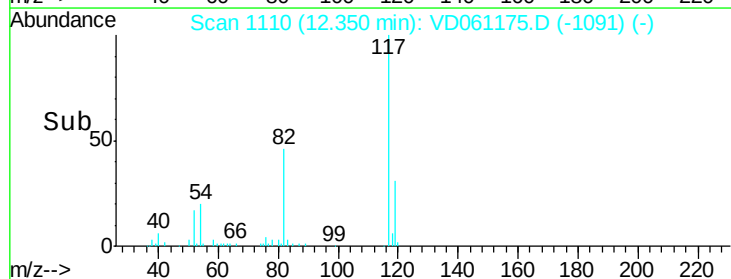
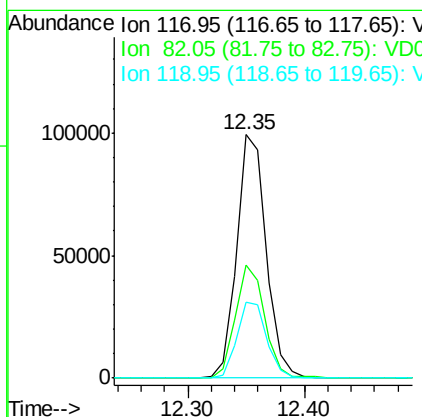
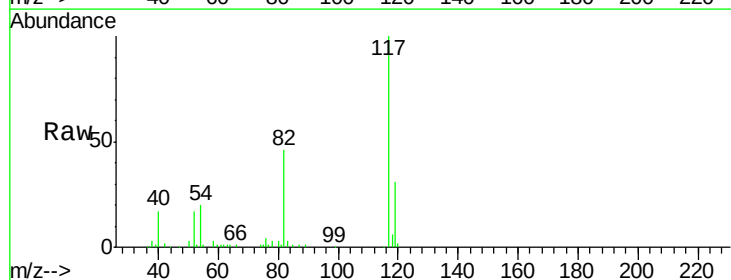
Instrument :
MSVOA_D
ClientSampleId :

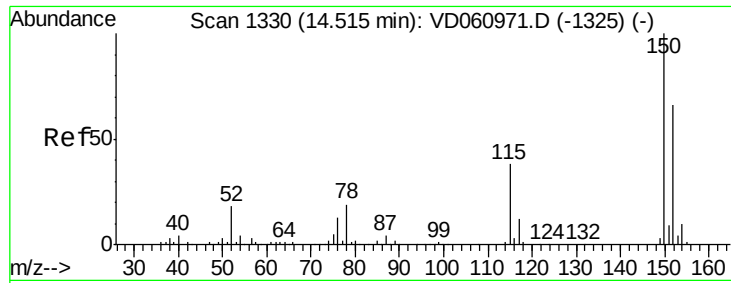
Tot Ion	95	Resp	85258
Ion Ratio	100	Lower	Upper
174	69.9	0.0	155.6
176	66.9	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061175.D
Acq: 19 Mar 2019 6:53

Tgt Ion	117	Resp	172803
Ion Ratio	100	Lower	Upper
82	46.5	38.9	58.3
119	31.3	26.6	39.8

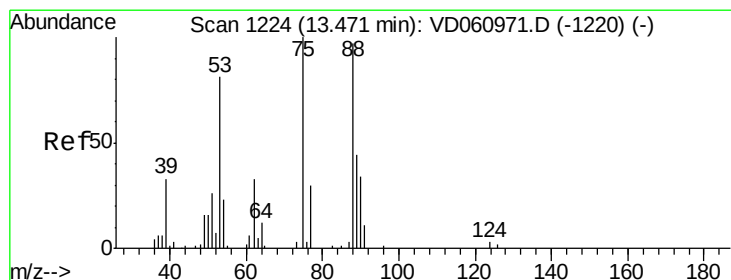
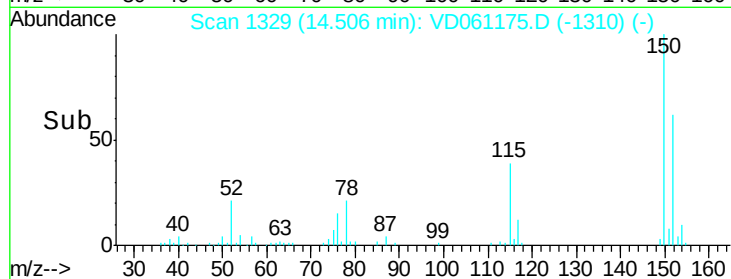
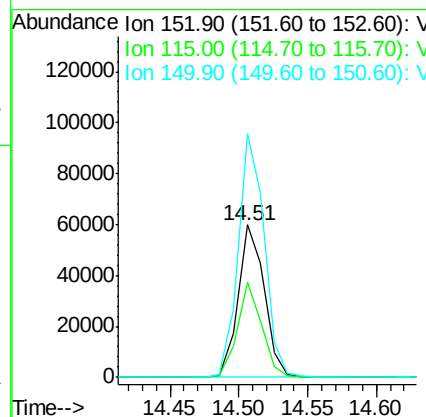
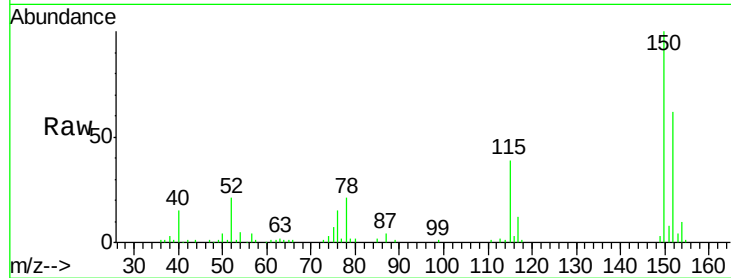




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061175.D
 Acq: 19 Mar 2019 6:53

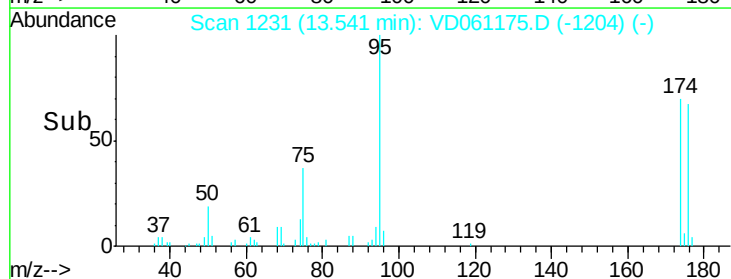
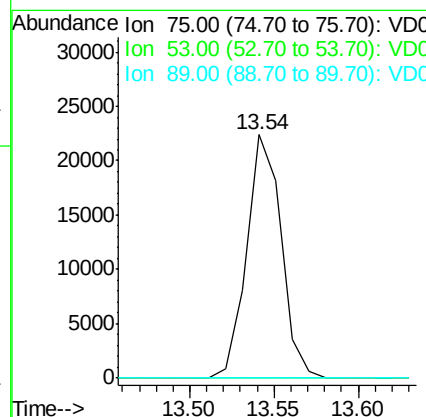
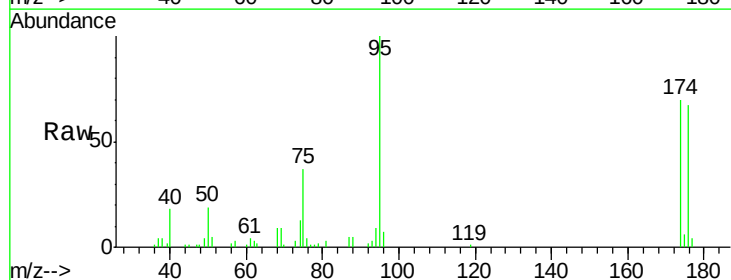
Instrument :
 MSVOA_D
 ClientSampled :

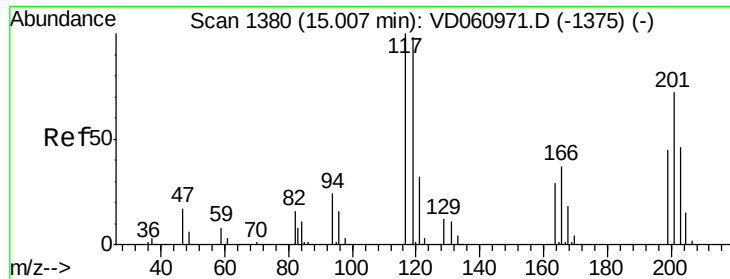
Tot Ion:152 Resp: 79182
 Ion Ratio Lower Upper
 152 100
 115 62.2 28.6 85.9
 150 160.0 0.0 310.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.494 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.07 min
 Lab File: VD061175.D
 Acq: 19 Mar 2019 6:53

Tgt Ion: 75 Resp: 31736
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#





#90

Hexachloroethane

Concen: 1.013 ug/l

RT: 15.08 min Scan# 1387

Delta R.T. 0.07 min

Lab File: VD061175.D

Acq: 19 Mar 2019 6:53

Instrument :

MSVOA_D

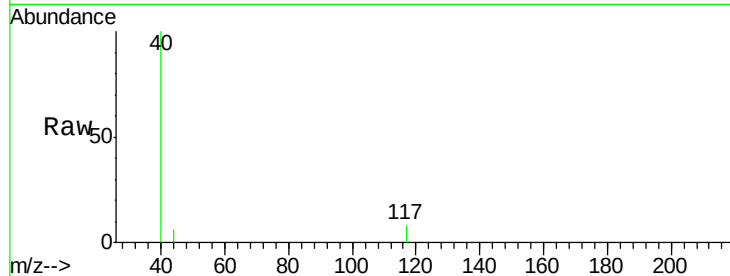
ClientSampleId :

Tot Ion:117 Resp: 1353

Ion Ratio Lower Upper

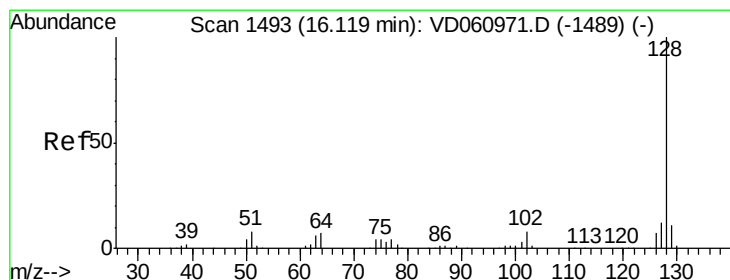
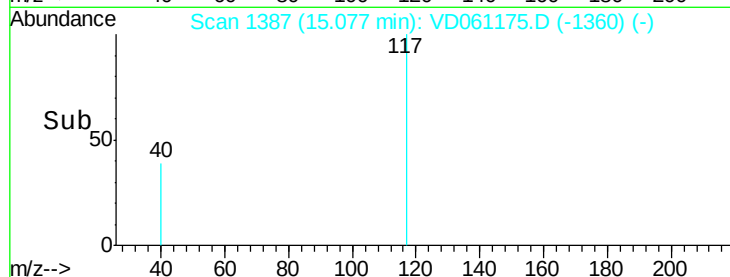
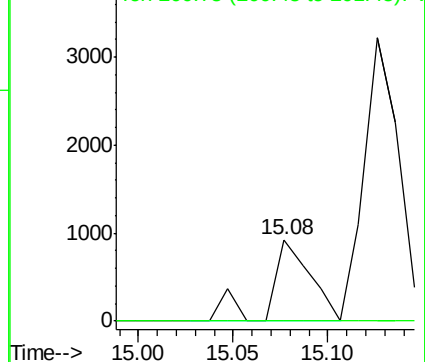
117 100

201 0.0 36.2 108.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#95

Naphthalene

Concen: 2.547 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061175.D

Acq: 19 Mar 2019 6:53

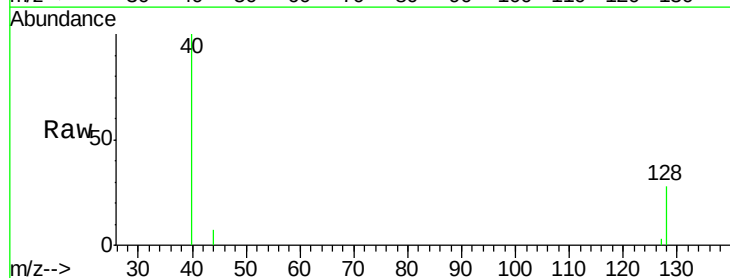
Tgt Ion:128 Resp: 3894

Ion Ratio Lower Upper

128 100

127 10.8 9.8 14.8

129 0.0 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

