

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061552.D
 Acq On : 3 Apr 2019 11:32
 Operator : VA/AP
 Sample : K2203-01
 Misc : 4.60µl/5ml/MSVOA D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

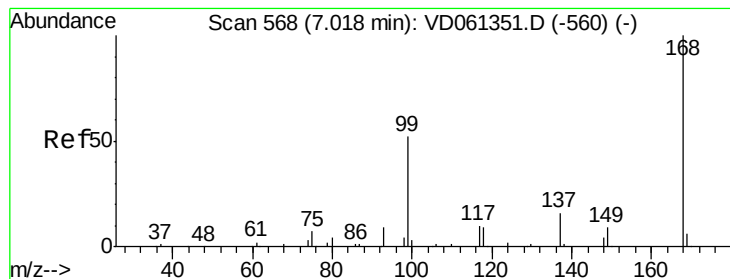
Quant Time: Apr 04 00:58:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	485431	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	770353	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	609002	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	238853	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	173693	41.89	ug/l	0.03
Spiked Amount			Recovery	=	83.78%	
35) Dibromofluoromethane	6.94	113	268532	45.61	ug/l	0.04
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	10.42	98	561701	39.78	ug/l	0.03
Spiked Amount			Recovery	=	79.56%	
62) 4-Bromofluorobenzene	13.56	95	217591	40.19	ug/l	0.01
Spiked Amount			Recovery	=	80.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.01	59	8977	34.761	ug/l #	76
16) Acetone	3.23	43	20502	19.233	ug/l	93
20) Methylene Chloride	3.83	84	36674	4.390	ug/l	98
25) 2-Butanone	6.16	43	11459	8.546	ug/l #	77
26) 2,2-Dichloropropane	6.16	77	13701	1.907	ug/l #	50
29) Tetrahydrofuran	6.46	42	1062	1.634	ug/l #	30
31) Cyclohexane	7.06	56	8985	1.258	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	37592	5.591	ug/l #	46
37) Ethyl Acetate	6.16	43	11681	4.062	ug/l #	2
38) Carbon Tetrachloride	7.06	117	49258	6.376	ug/l #	13
76) 1,2,3-Trichloropropane	13.56	75	84022	24.352	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	86133	81.876	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD061552.D

Acq: 3 Apr 2019 11:32

Instrument :

MSVOA_D

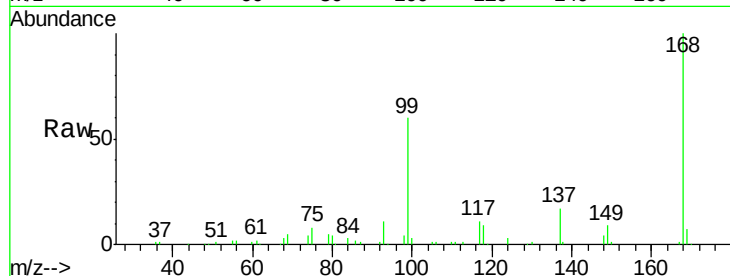
ClientSampleId :

Tot Ion:168 Resp: 485431

Ion Ratio Lower Upper

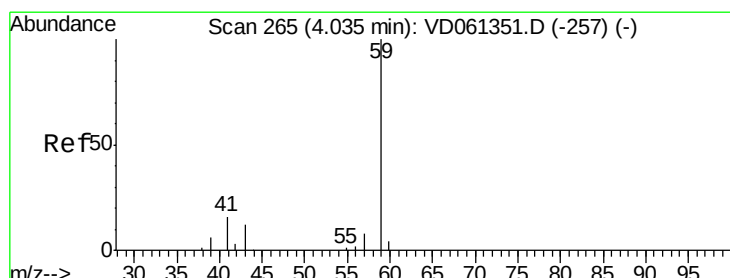
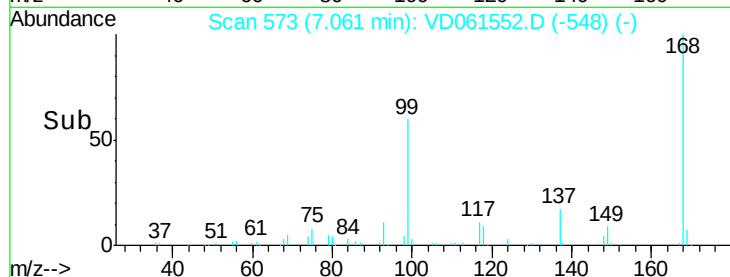
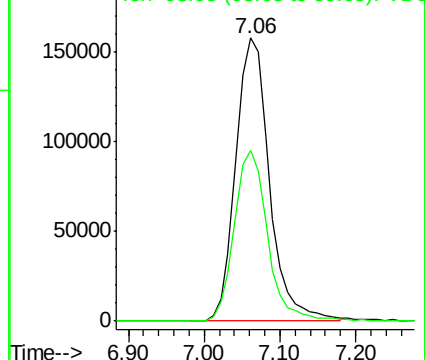
168 100

99 60.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 34.761 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.03 min

Lab File: VD061552.D

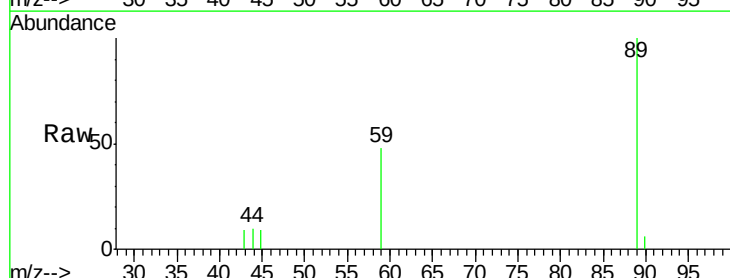
Acq: 3 Apr 2019 11:32

Tgt Ion: 59 Resp: 8977

Ion Ratio Lower Upper

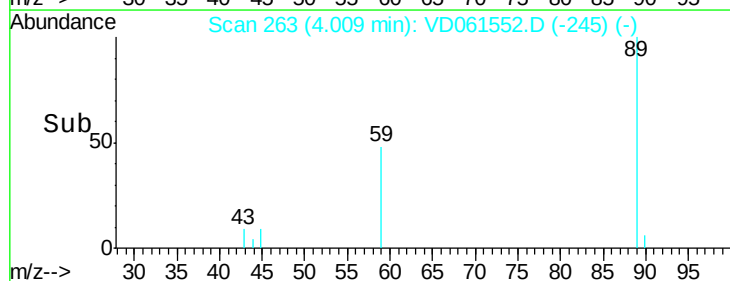
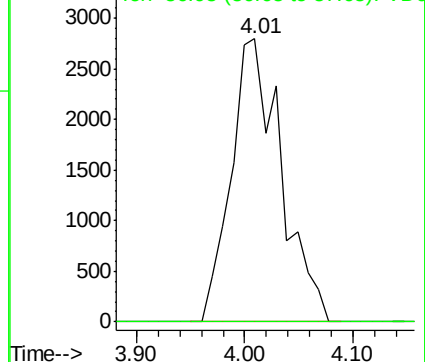
59 100

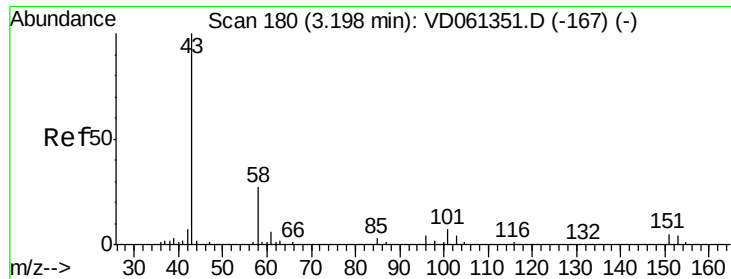
57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 19.233 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD061552.D

Acq: 3 Apr 2019 11:32

Instrument :

MSVOA_D

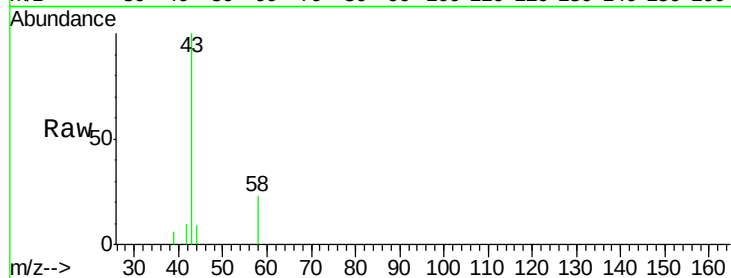
ClientSampleId :

Tot Ion: 43 Resp: 20502

Ion Ratio Lower Upper

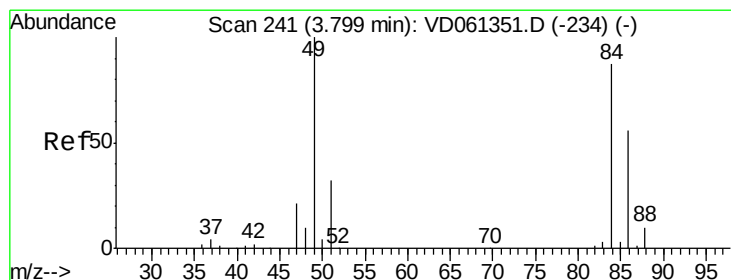
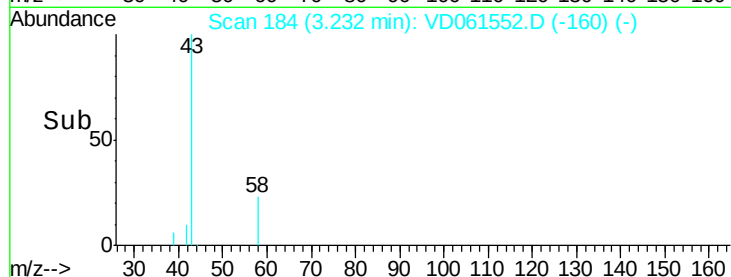
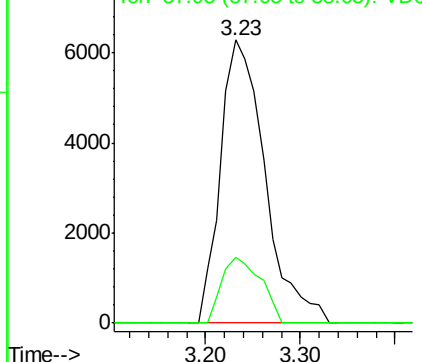
43 100

58 23.4 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 4.390 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061552.D

Acq: 3 Apr 2019 11:32

Tgt Ion: 84 Resp: 36674

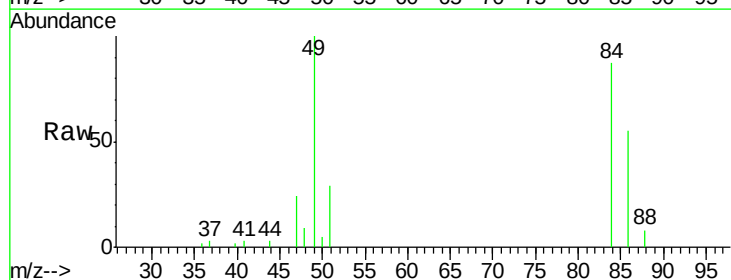
Ion Ratio Lower Upper

84 100

49 115.3 91.8 137.8

51 33.5 29.8 44.8

86 63.0 51.8 77.6

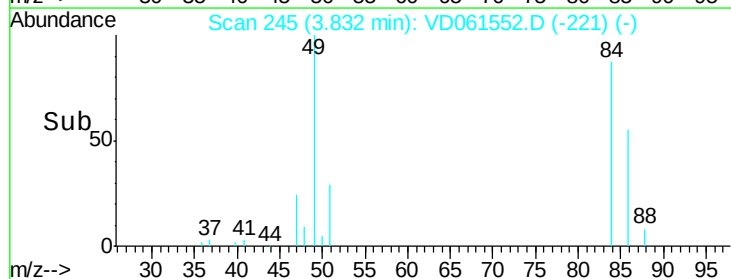
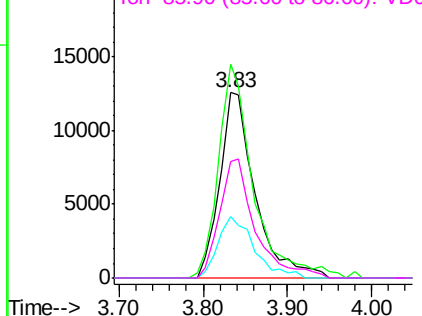


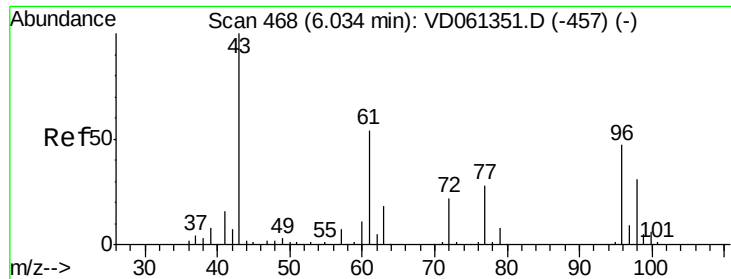
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

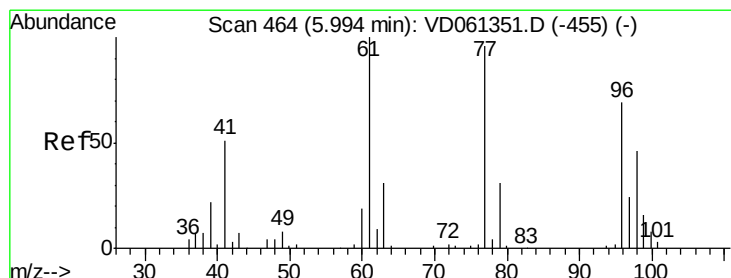
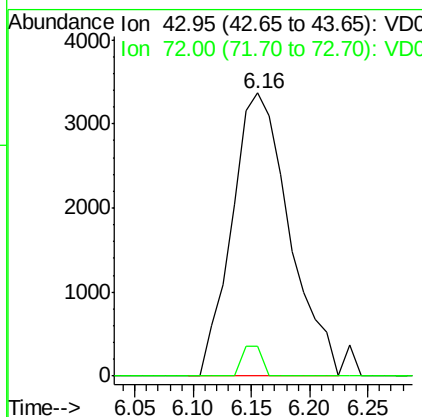
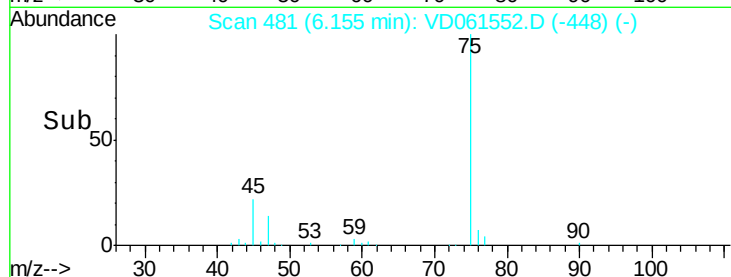
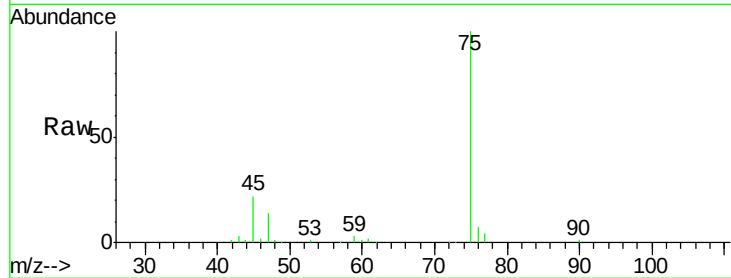




#25
2-Butanone
Concen: 8.546 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.12 min
Lab File: VD061552.D
Acq: 3 Apr 2019 11:32

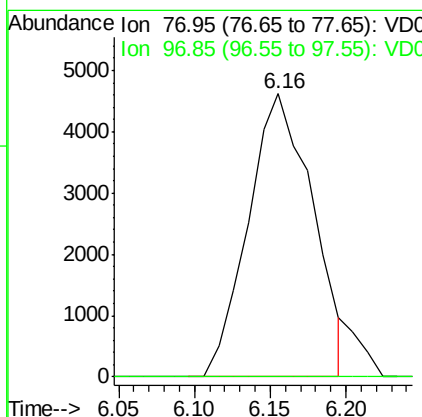
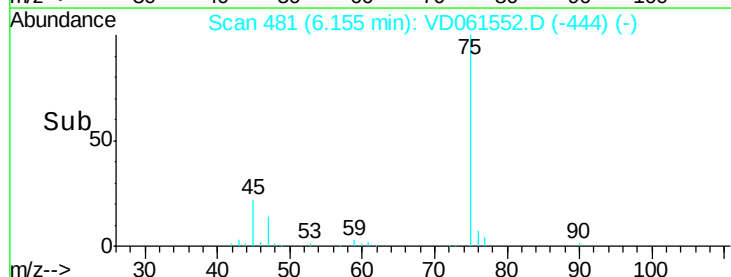
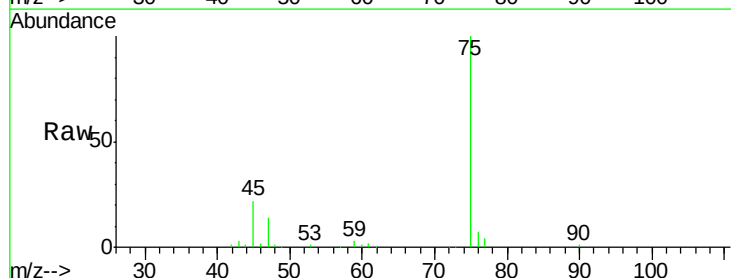
Instrument :
MSVOA_D
ClientSampleId :

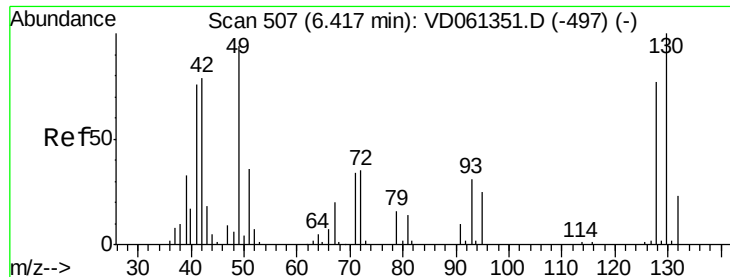
Tot Ion: 43 Resp: 11459
Ion Ratio Lower Upper
43 100
72 10.6 17.2 25.8#



#26
2,2-Dichloropropane
Concen: 1.907 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.16 min
Lab File: VD061552.D
Acq: 3 Apr 2019 11:32

Tgt Ion: 77 Resp: 13701
Ion Ratio Lower Upper
77 100
97 0.0 12.7 38.0#





#29

Tetrahydrofuran

Concen: 1.634 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD061552.D

Acq: 3 Apr 2019 11:32

Instrument :

MSVOA_D

ClientSampleId :

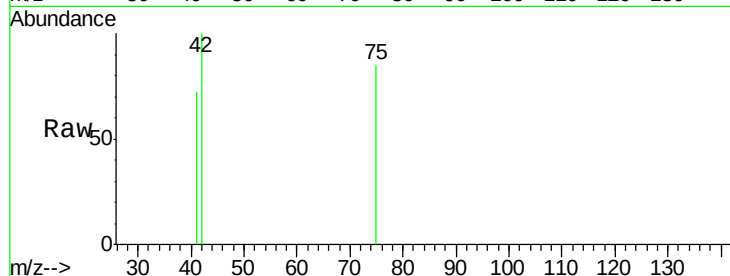
Tot Ion: 42 Resp: 1062

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

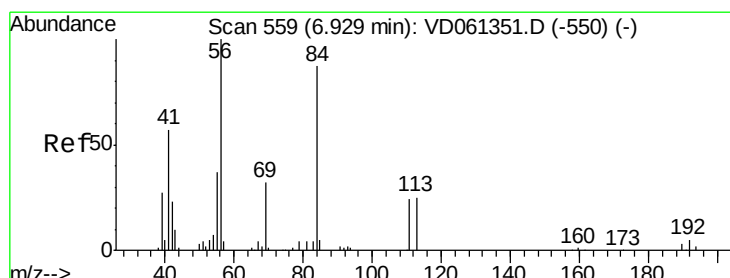
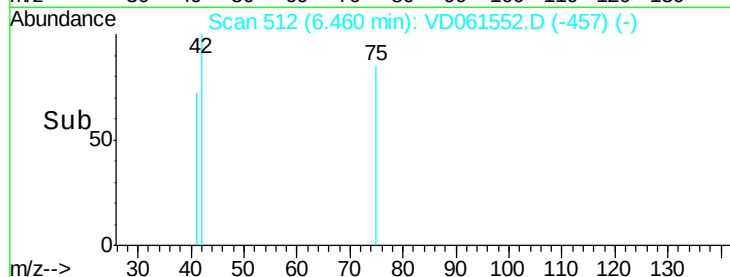
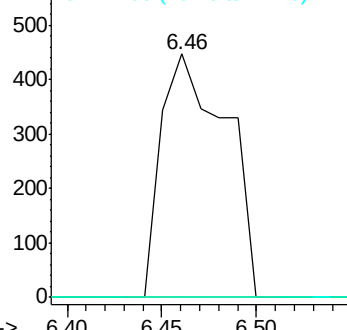
71 0.0 36.7 55.1#



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



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD061552.D

Acq: 3 Apr 2019 11:32

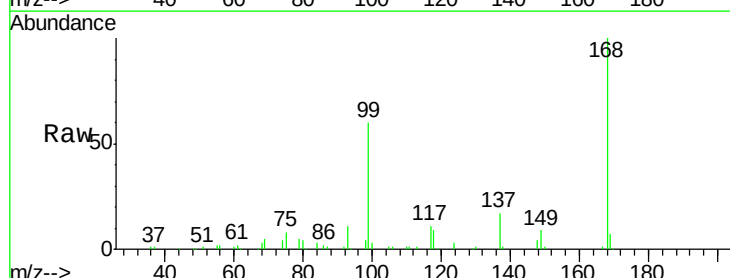
Tgt Ion: 56 Resp: 8985

Ion Ratio Lower Upper

56 100

69 222.1 25.7 38.5#

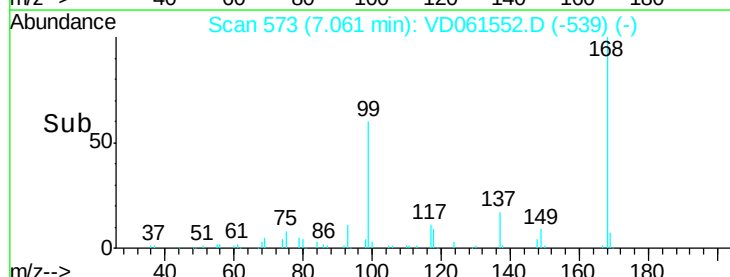
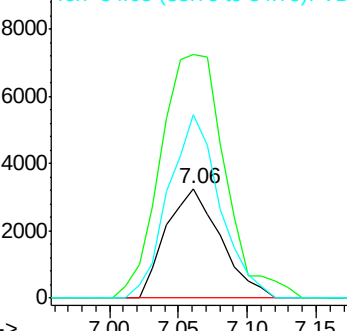
84 167.3 70.6 105.8#

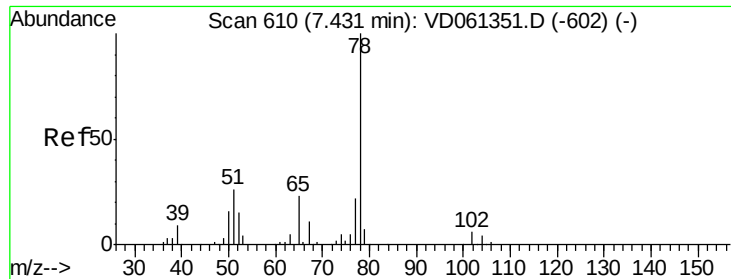


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

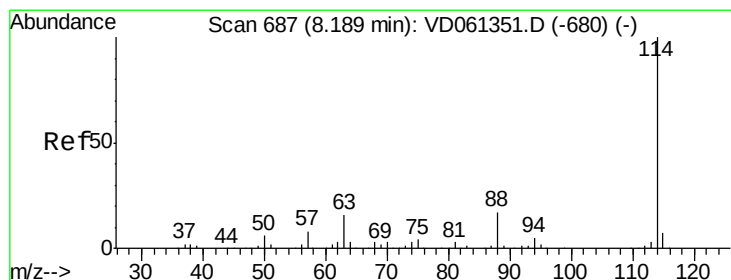
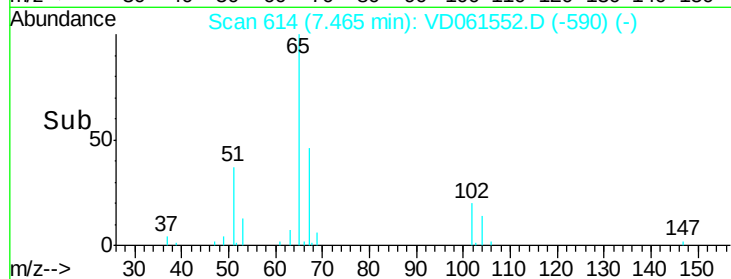
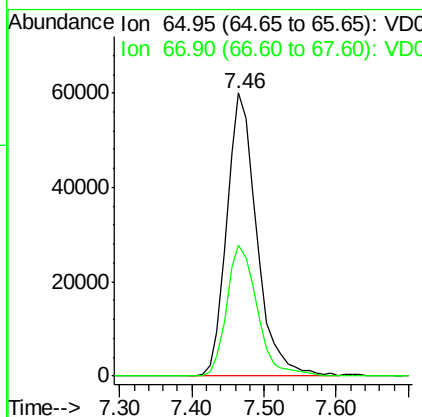
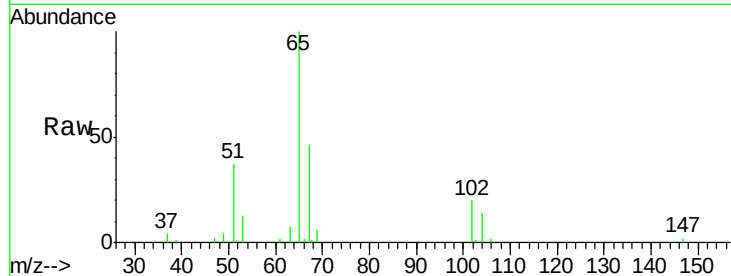




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.03 min
 Lab File: VD061552.D
 Acq: 3 Apr 2019 11:32

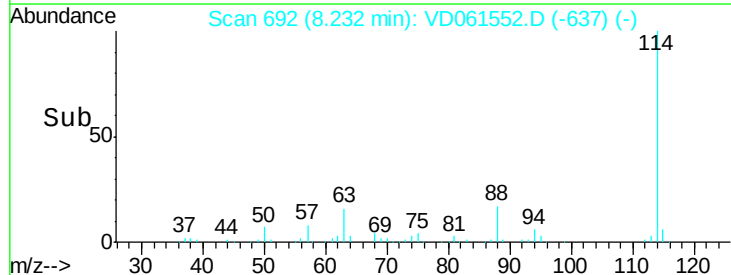
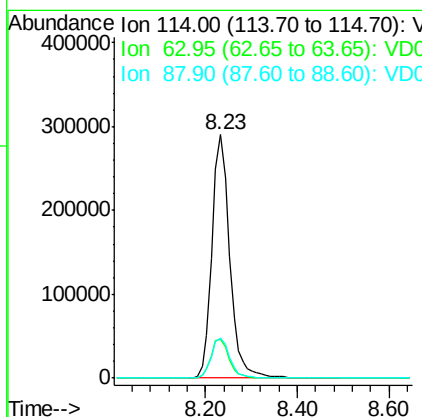
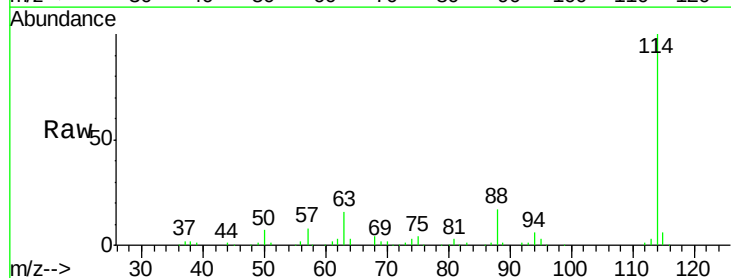
Instrument :
 MSVOA_D
 ClientSampleId :

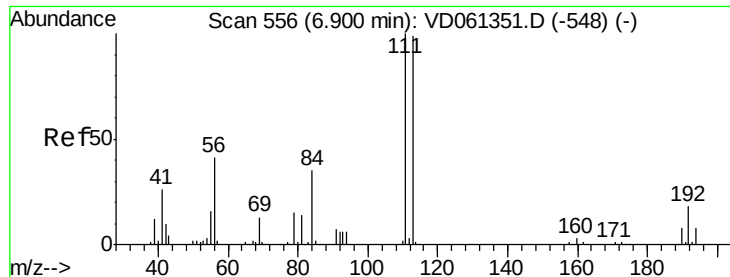
Tot Ion: 65 Resp: 173693
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD061552.D
 Acq: 3 Apr 2019 11:32

Tgt Ion: 114 Resp: 770353
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.6
 88 16.6 0.0 33.4

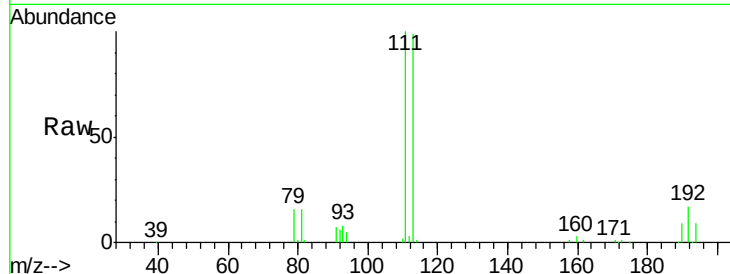




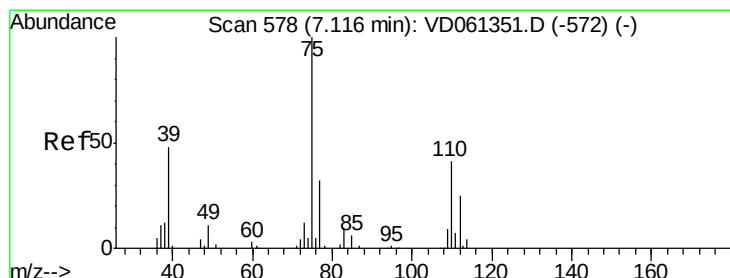
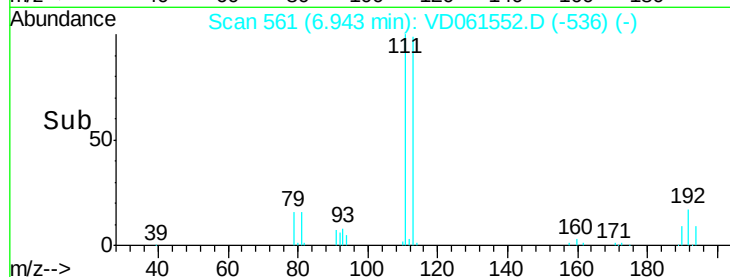
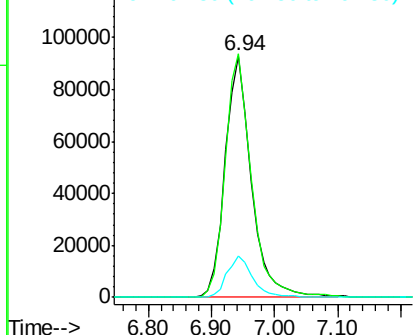
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.04 min
 Lab File: VD061552.D
 Acq: 3 Apr 2019 11:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 268532
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.0 121.6
 192 17.2 14.4 21.6

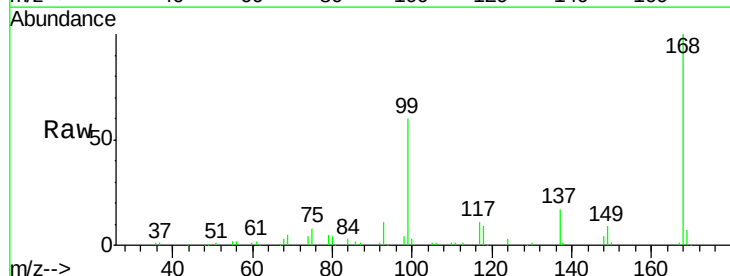


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

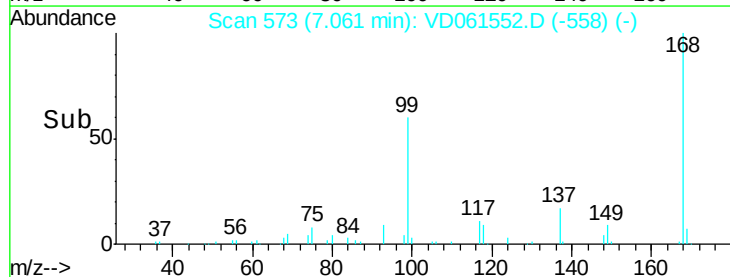
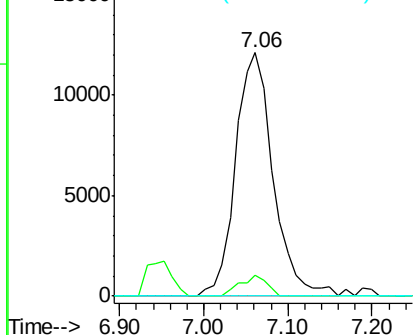


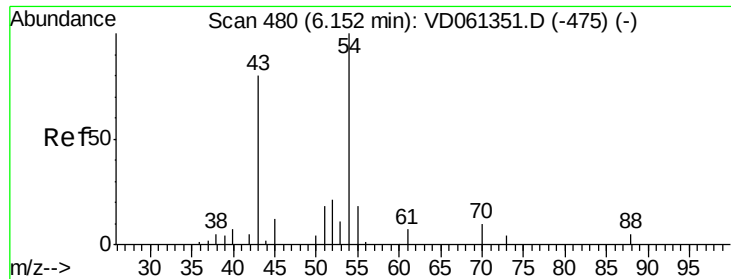
#36
 1,1-Dichloropropene
 Concen: 5.591 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.06 min
 Lab File: VD061552.D
 Acq: 3 Apr 2019 11:32

Tgt Ion: 75 Resp: 37592
 Ion Ratio Lower Upper
 75 100
 110 8.3 20.4 61.3#
 77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 4.062 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.00 min

Lab File: VD061552.D

Acq: 3 Apr 2019 11:32

Instrument :

MSVOA_D

ClientSampleId :

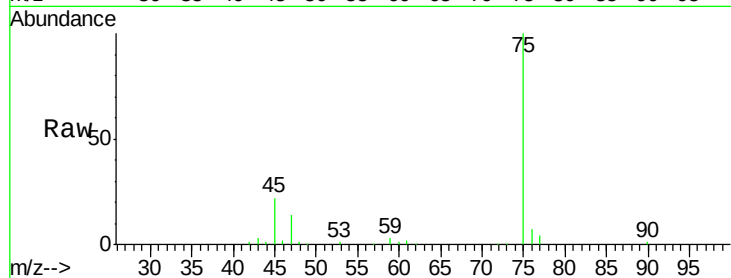
Tot Ion: 43 Resp: 11681

Ion Ratio Lower Upper

43 100

61 77.8 13.8 20.8#

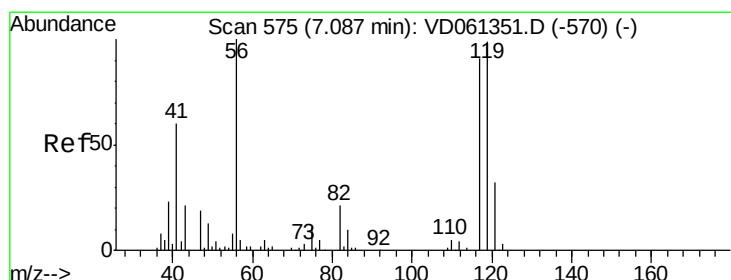
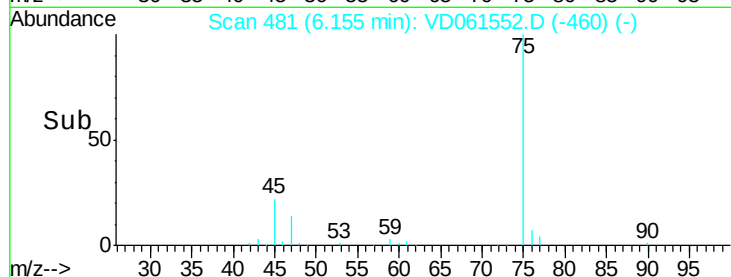
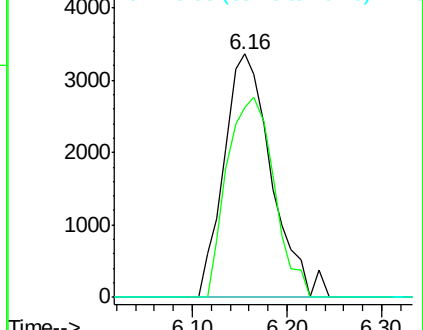
70 0.0 7.8 11.8#



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: 6.376 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD061552.D

Acq: 3 Apr 2019 11:32

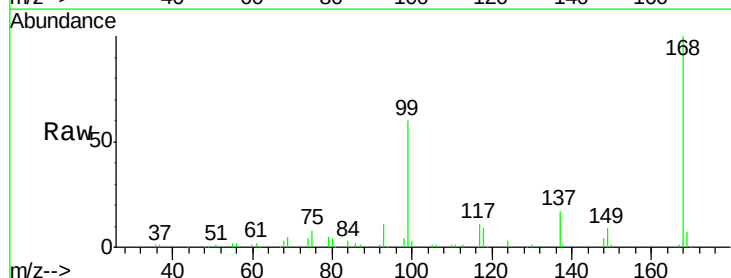
Tgt Ion: 117 Resp: 49258

Ion Ratio Lower Upper

117 100

119 4.1 80.1 120.1#

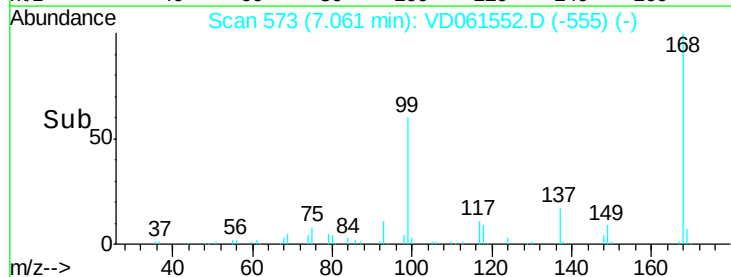
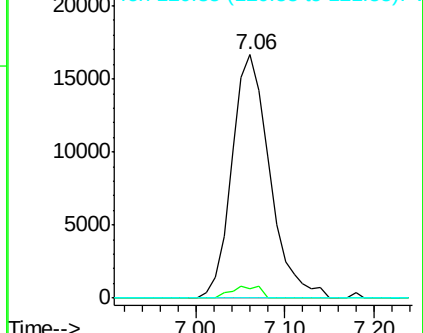
121 0.0 25.6 38.4#

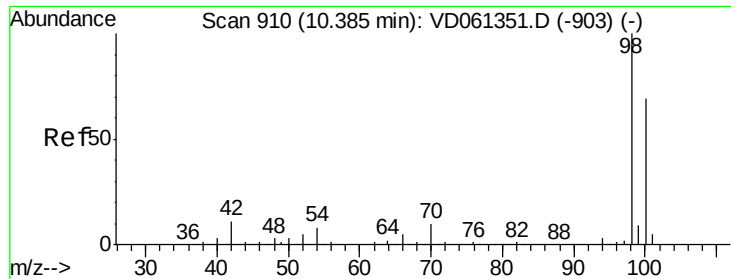


Abundance Ion 116.85 (116.55 to 117.55): V

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. 0.03 min

Lab File: VD061552.D

Acq: 3 Apr 2019 11:32

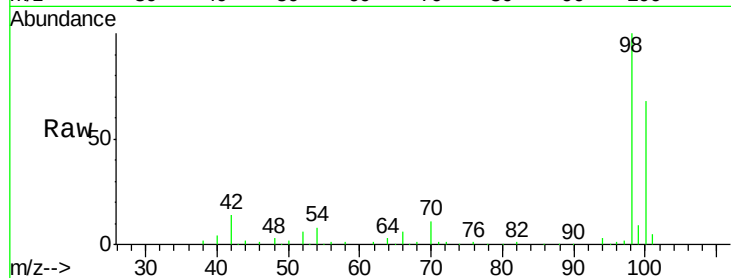
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 561701

Ion Ratio Lower Upper

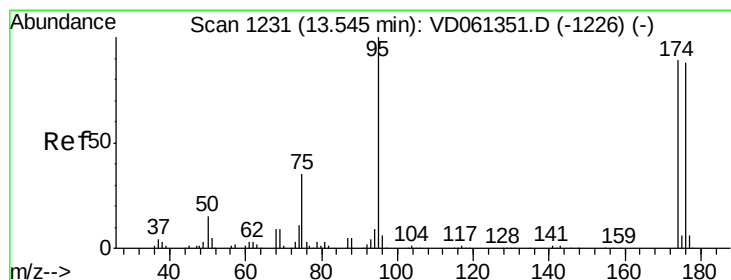
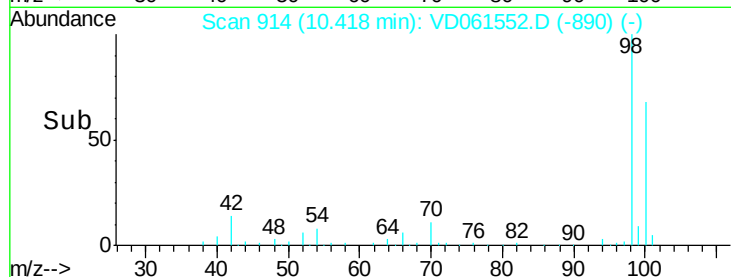
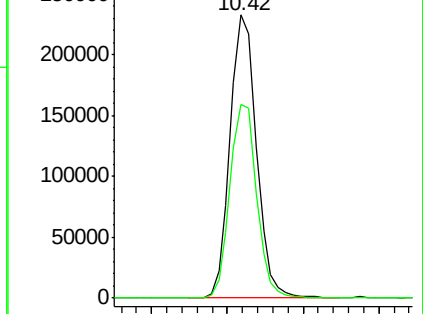
98 100

100 68.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061552.D

Acq: 3 Apr 2019 11:32

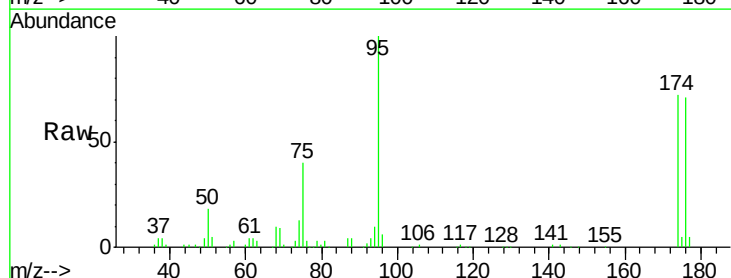
Tgt Ion: 95 Resp: 217591

Ion Ratio Lower Upper

95 100

174 71.8 0.0 178.0

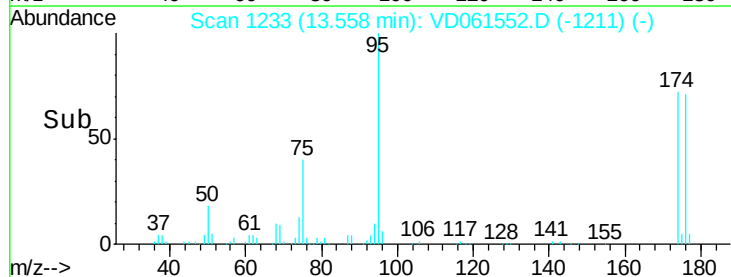
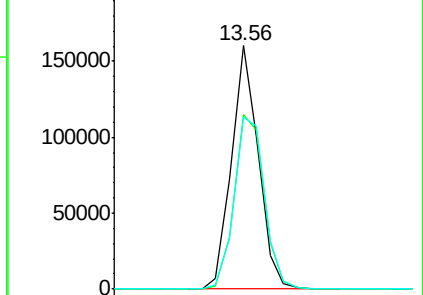
176 70.8 0.0 175.0

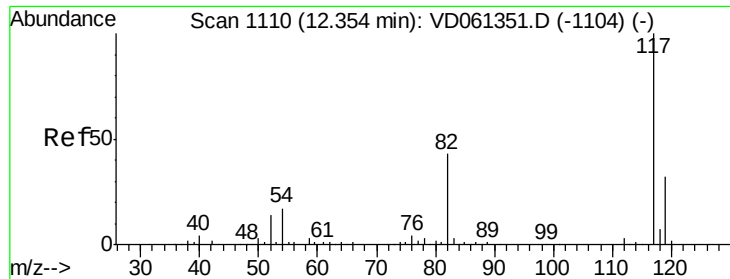


Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

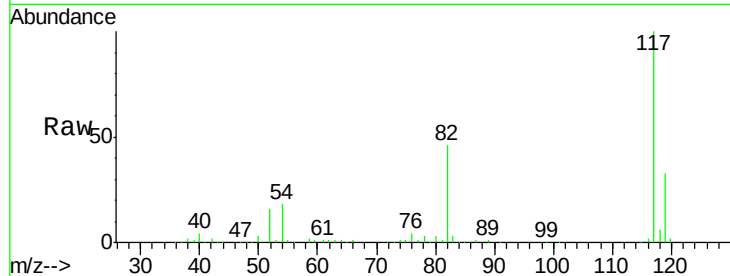




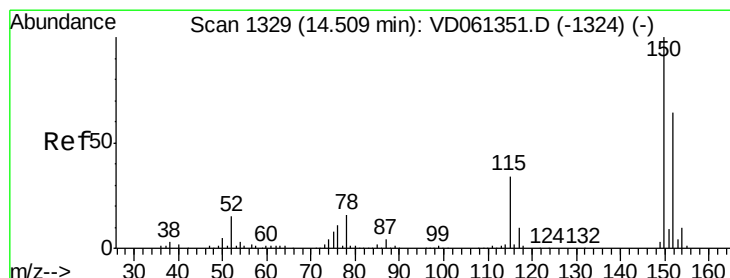
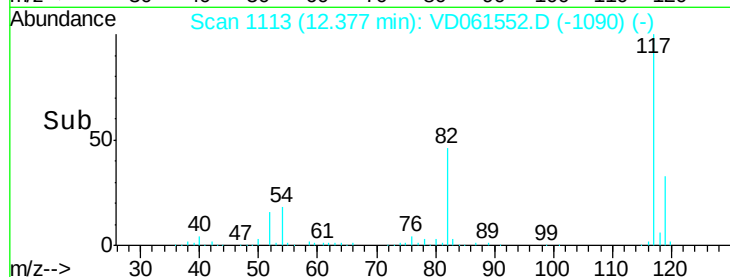
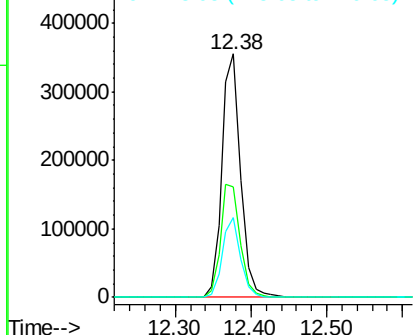
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061552.D
Acq: 3 Apr 2019 11:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 609002
Ion Ratio Lower Upper
117 100
82 45.6 34.4 51.6
119 32.9 25.8 38.6

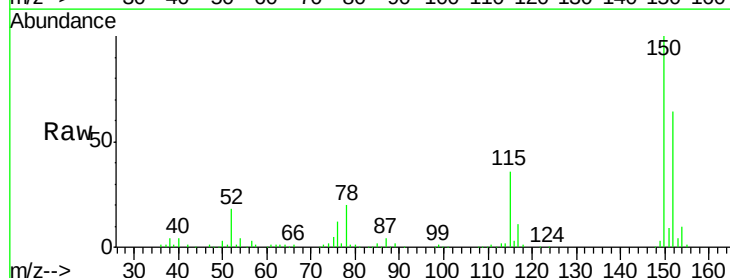


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

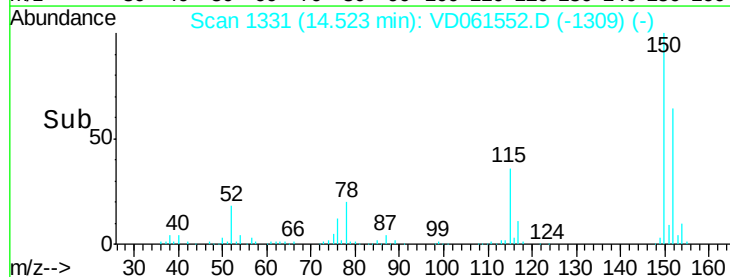
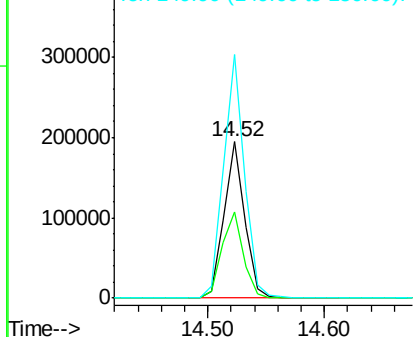


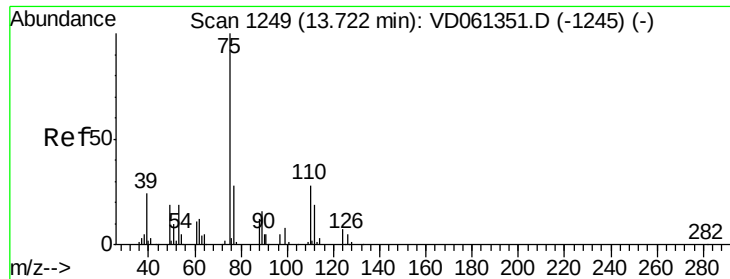
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061552.D
Acq: 3 Apr 2019 11:32

Tgt Ion:152 Resp: 238853
Ion Ratio Lower Upper
152 100
115 55.3 26.9 80.6
150 155.8 0.0 318.0



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

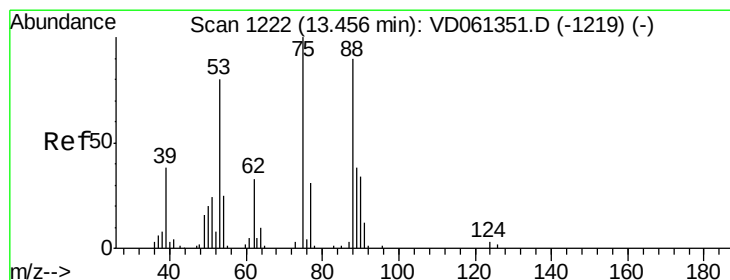
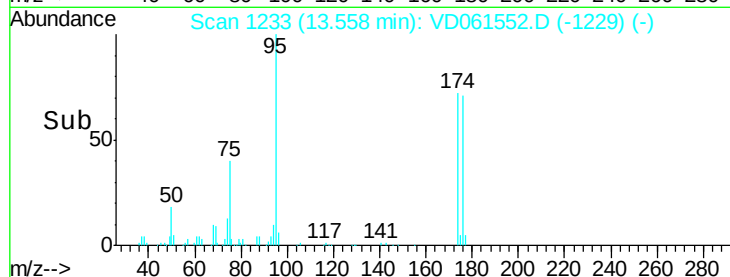
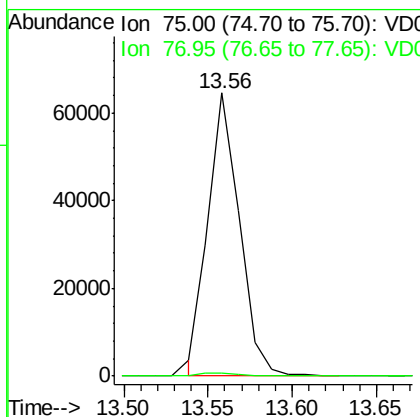
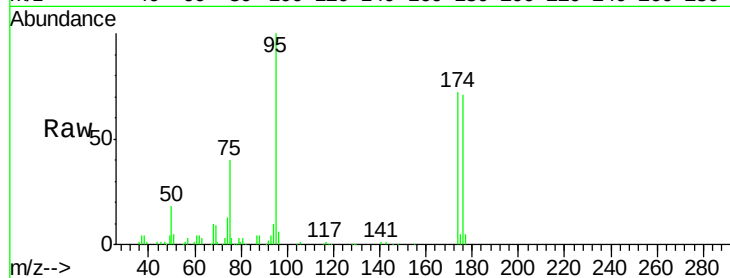




#76
 1,2,3-Trichloropropane
 Concen: 24.352 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD061552.D
 Acq: 3 Apr 2019 11:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 84022
 Ion Ratio Lower Upper
 75 100
 77 1.0 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.876 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.10 min
 Lab File: VD061552.D
 Acq: 3 Apr 2019 11:32

Tgt Ion: 75 Resp: 86133
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

