

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061566.D
 Acq On : 3 Apr 2019 20:11
 Operator : VA/AP
 Sample : K2209-09
 Misc : 1.81g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:51:29 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

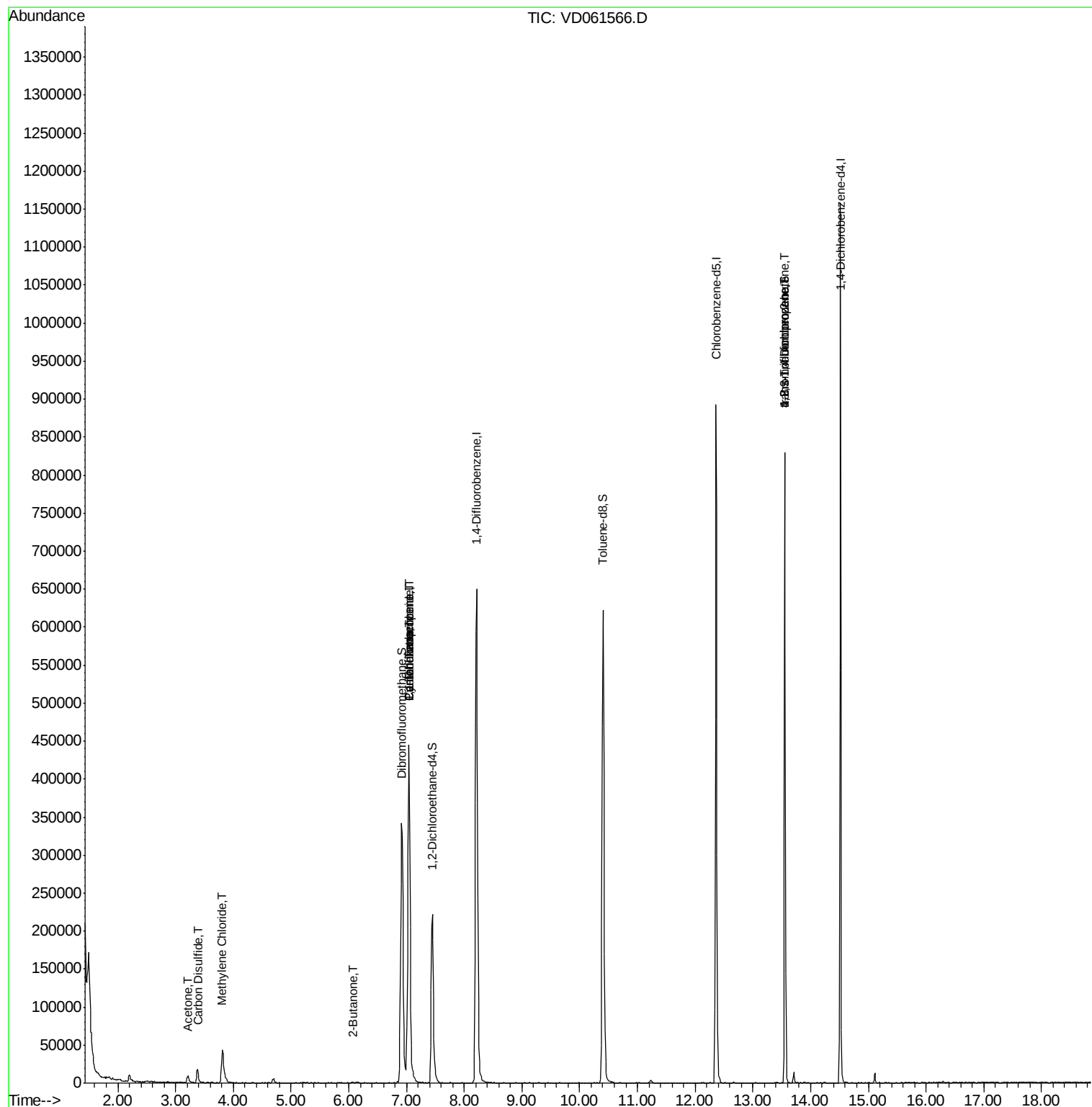
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	464192	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	795129	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	583985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	257093	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	229917	57.98	ug/l	0.02
Spiked Amount 50.000			Recovery	=	115.96%	
35) Dibromofluoromethane	6.92	113	328734	54.10	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.20%	
50) Toluene-d8	10.40	98	609791	41.84	ug/l	0.02
Spiked Amount 50.000			Recovery	=	83.68%	
62) 4-Bromofluorobenzene	13.55	95	257096	46.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.00%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	16990	16.668	ug/l	91
17) Carbon Disulfide	3.38	76	31961	1.974	ug/l	97
20) Methylene Chloride	3.81	84	35984	4.556	ug/l	97
25) 2-Butanone	6.07	43	1832	1.429	ug/l #	54
31) Cyclohexane	7.03	56	7897	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	32531	4.688	ug/l #	46
38) Carbon Tetrachloride	7.04	117	44653	5.600	ug/l #	14
76) 1,2,3-Trichloropropane	13.55	75	72532	19.531	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	96482	85.206	ug/l #	18

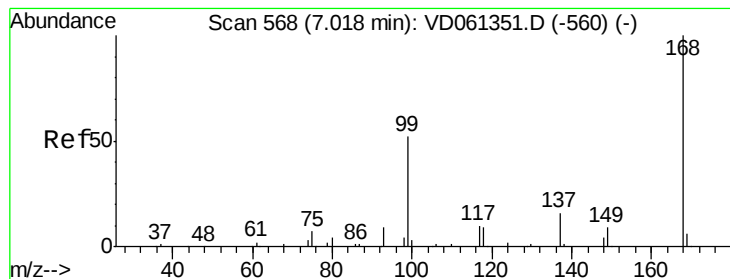
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061566.D

Acq: 3 Apr 2019 20:11

Instrument :

MSVOA_D

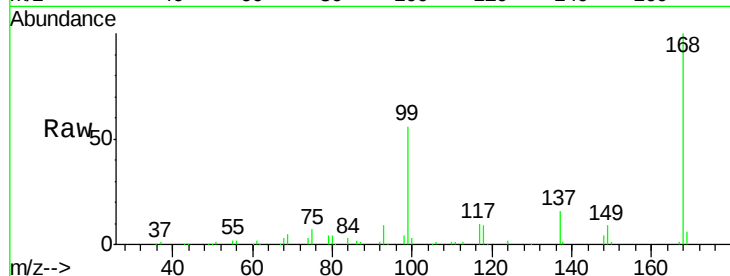
ClientSampleId :

Tot Ion:168 Resp: 464192

Ion Ratio Lower Upper

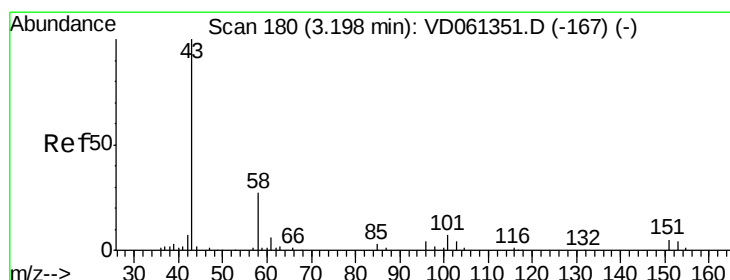
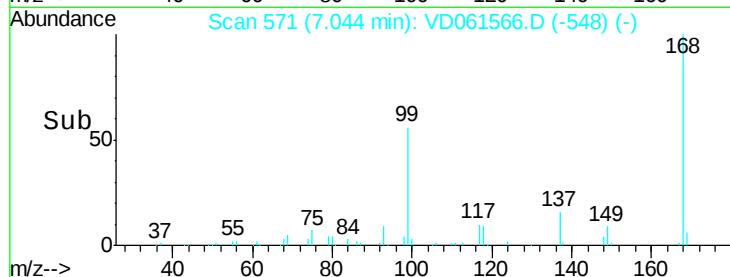
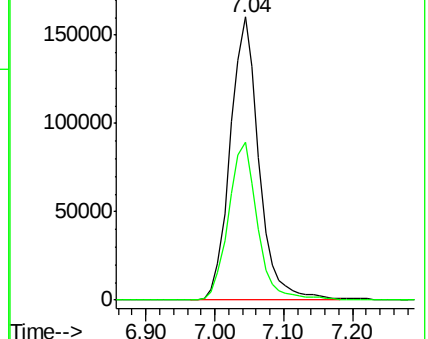
168 100

99 55.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 16.668 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061566.D

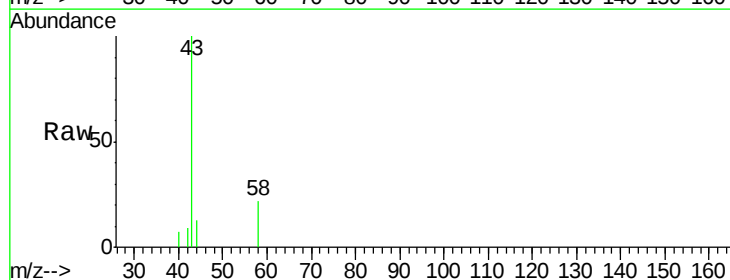
Acq: 3 Apr 2019 20:11

Tgt Ion: 43 Resp: 16990

Ion Ratio Lower Upper

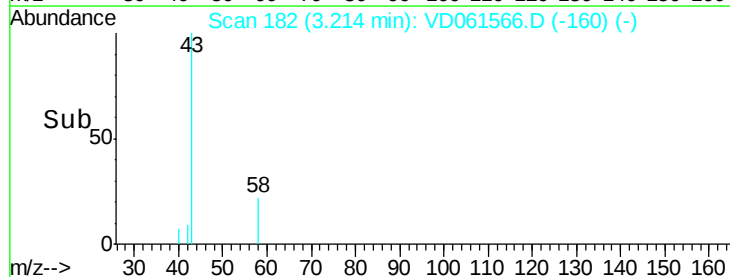
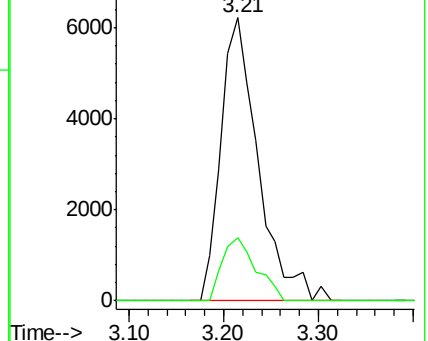
43 100

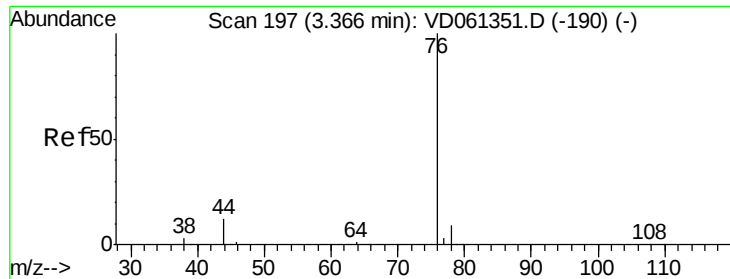
58 22.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 1.974 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD061566.D

Acq: 3 Apr 2019 20:11

Instrument :

MSVOA_D

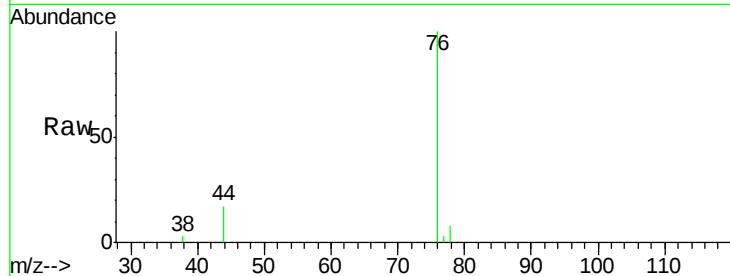
ClientSampleId :

Tot Ion: 76 Resp: 31961

Ion Ratio Lower Upper

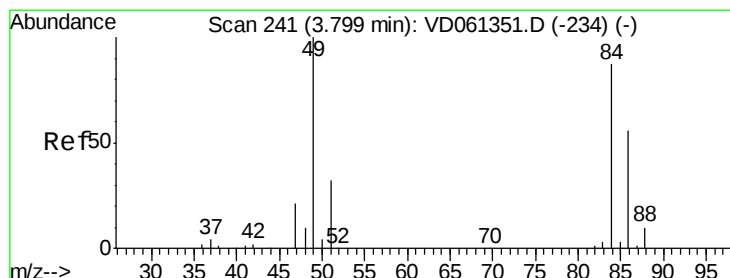
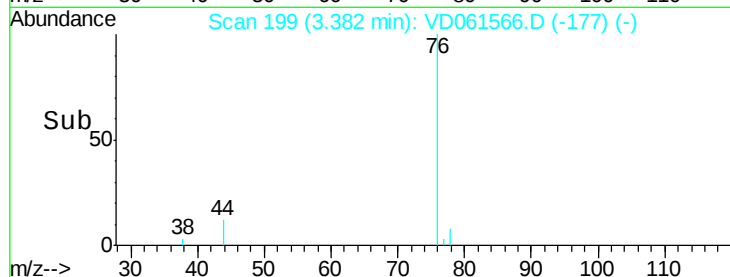
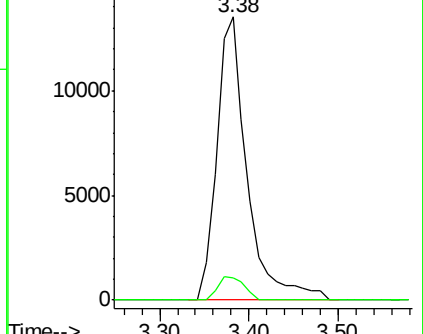
76 100

78 7.8 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 4.556 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD061566.D

Acq: 3 Apr 2019 20:11

Tgt Ion: 84 Resp: 35984

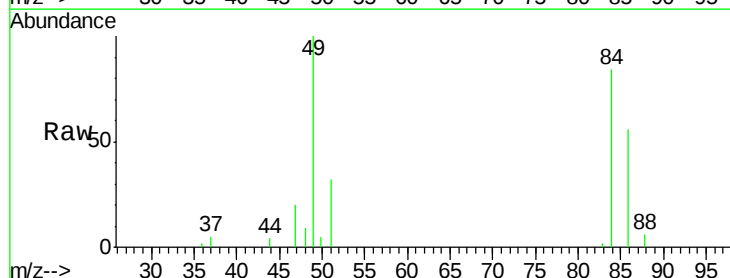
Ion Ratio Lower Upper

84 100

49 118.5 91.8 137.8

51 38.4 29.8 44.8

86 66.8 51.8 77.6

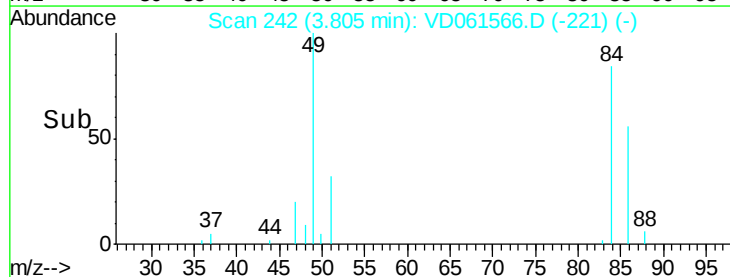
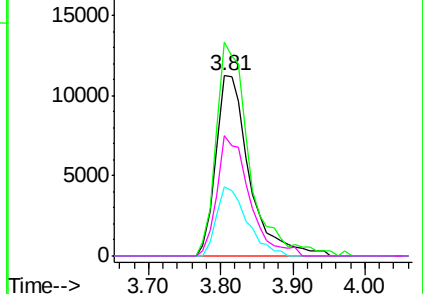


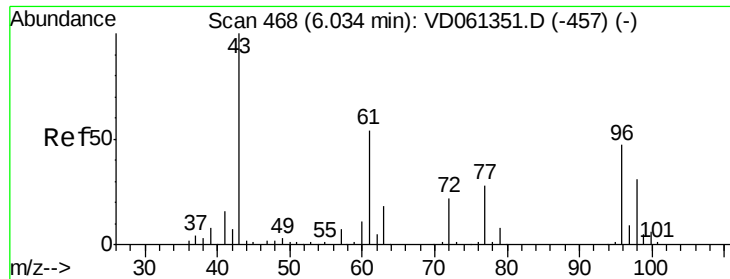
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.429 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.04 min

Lab File: VD061566.D

Acq: 3 Apr 2019 20:11

Instrument :

MSVOA_D

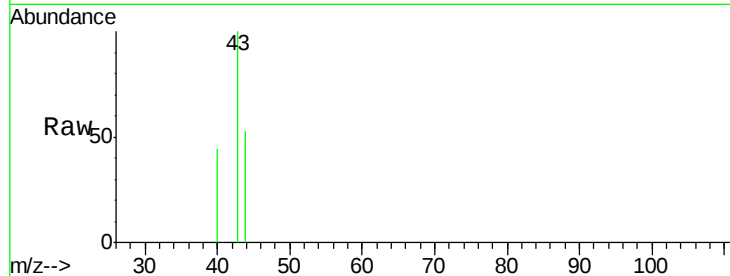
ClientSampleId :

Tot Ion: 43 Resp: 1832

Ion Ratio Lower Upper

43 100

72 0.0 17.2 25.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.07

800

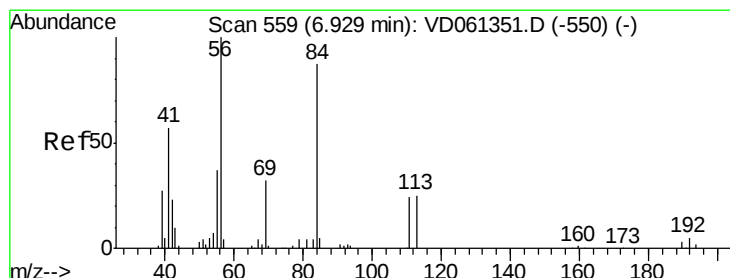
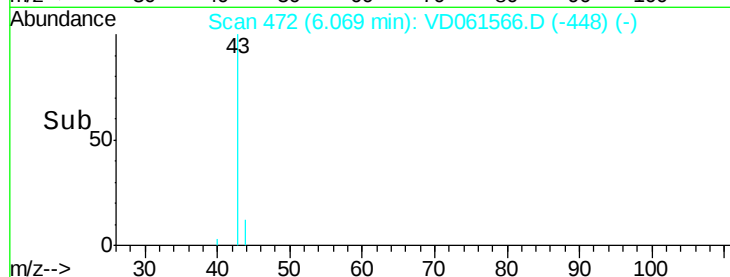
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 1.156 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD061566.D

Acq: 3 Apr 2019 20:11

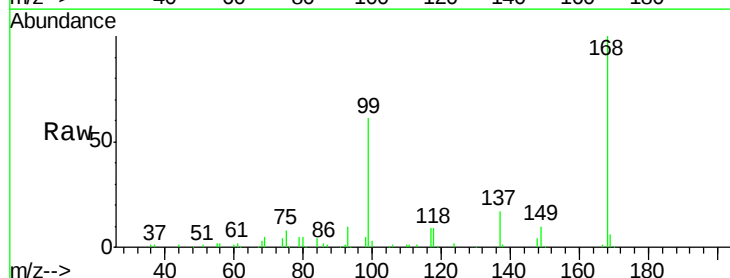
Tgt Ion: 56 Resp: 7897

Ion Ratio Lower Upper

56 100

69 235.3 25.7 38.5#

84 176.2 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

10000

8000

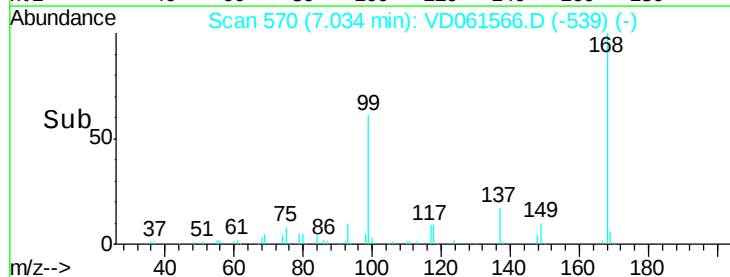
6000

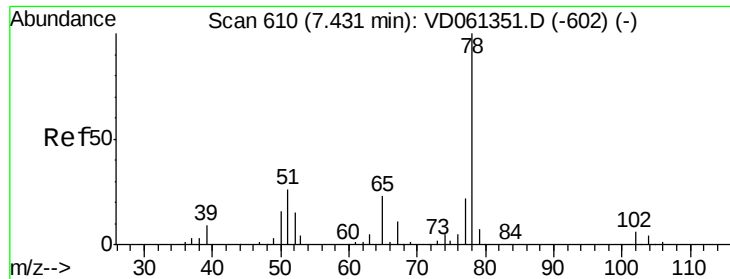
4000

2000

0

Time-->

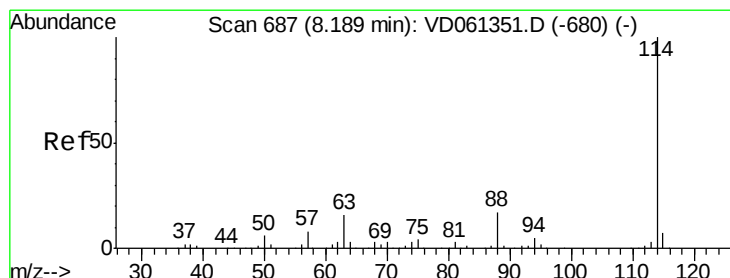
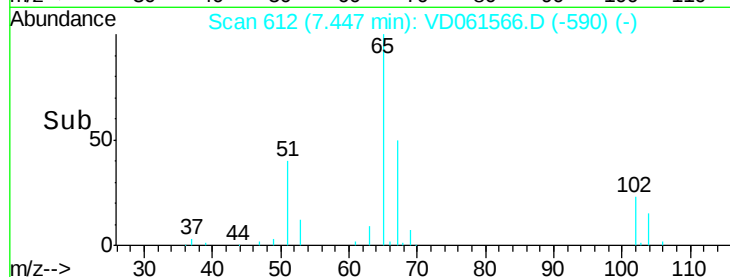
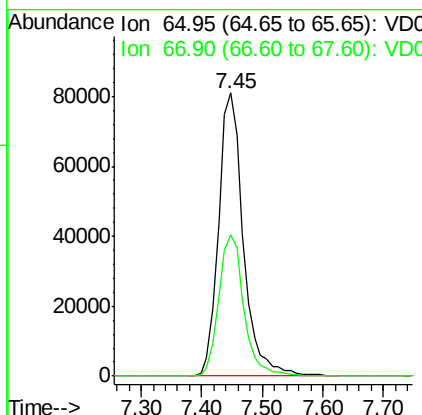
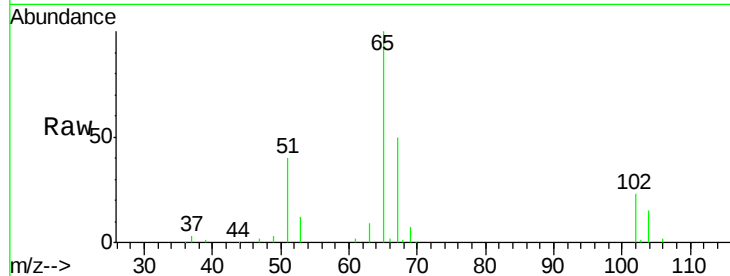




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD061566.D
 Acq: 3 Apr 2019 20:11

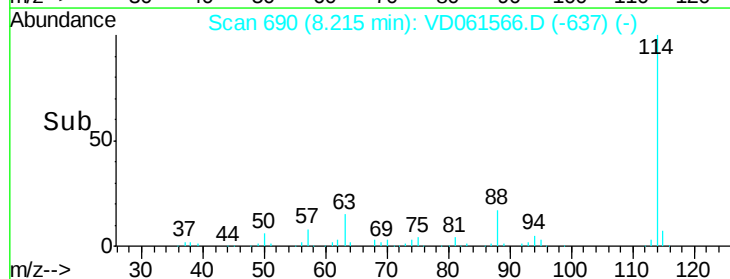
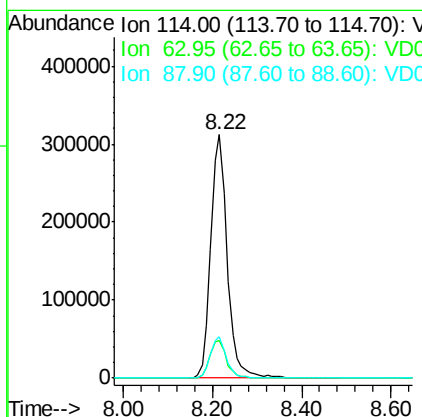
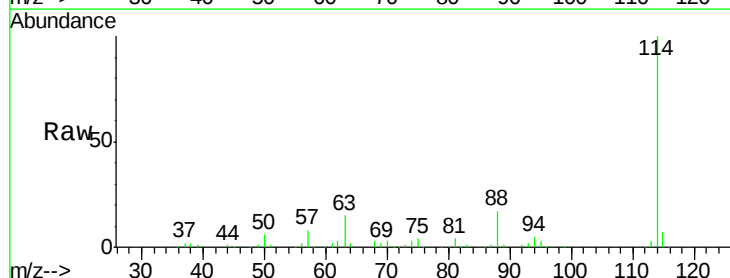
Instrument :
 MSVOA_D
 ClientSampled :

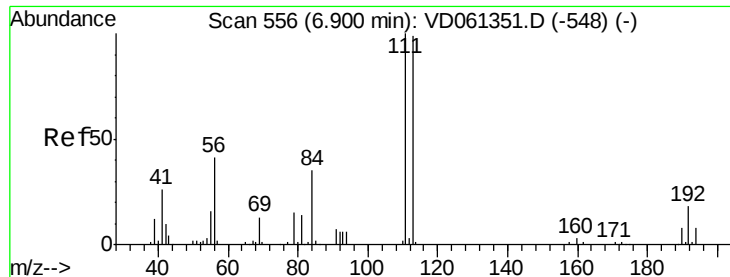
Tot Ion: 65 Resp: 229917
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD061566.D
 Acq: 3 Apr 2019 20:11

Tgt Ion: 114 Resp: 795129
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.6
 88 16.9 0.0 33.4

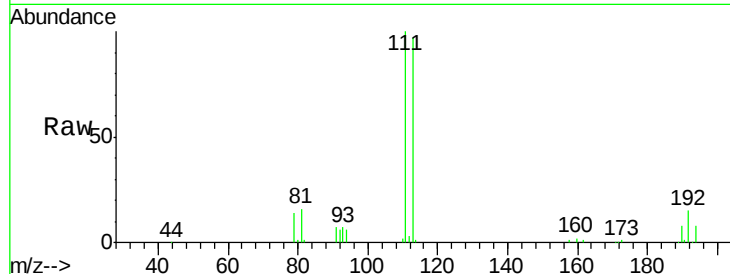




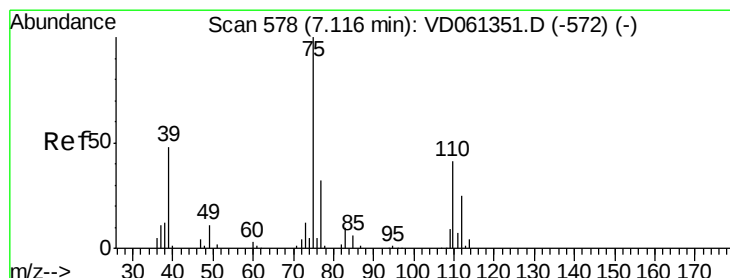
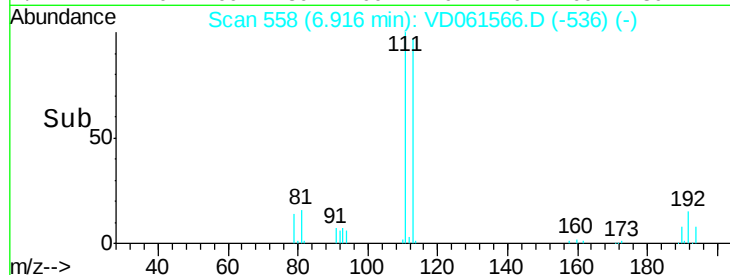
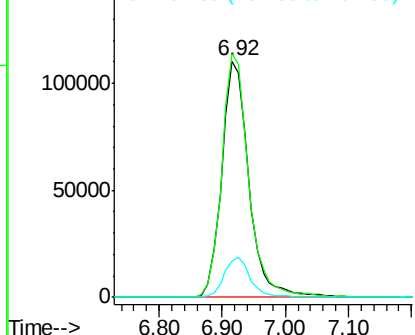
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD061566.D
 Acq: 3 Apr 2019 20:11

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 328734
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.0 121.6
 192 15.3 14.4 21.6

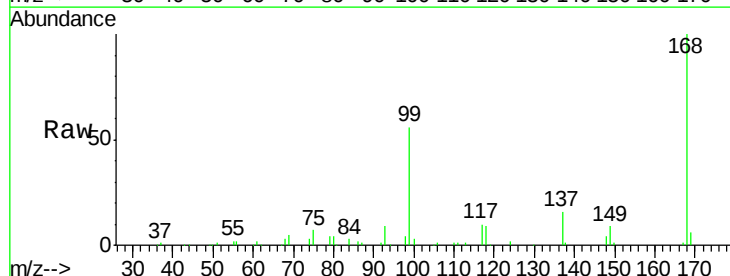


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

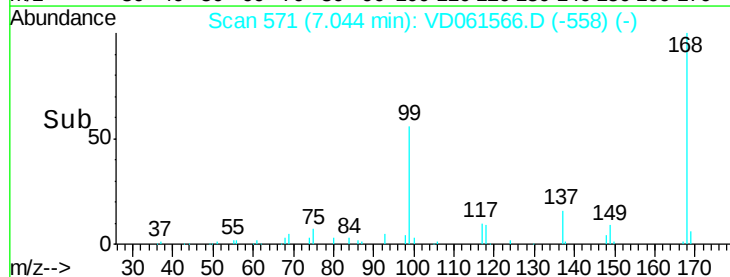
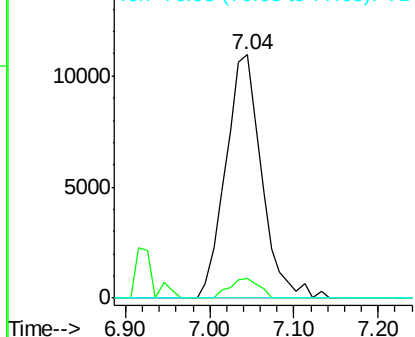


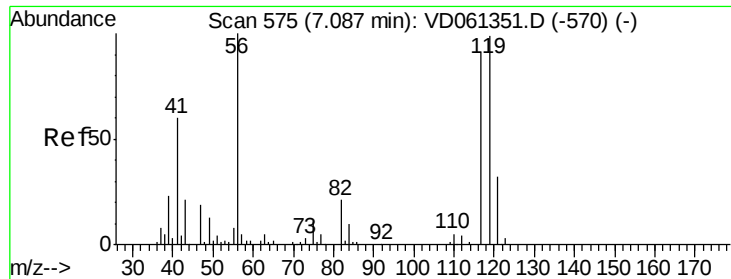
#36
 1,1-Dichloropropene
 Concen: 4.688 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061566.D
 Acq: 3 Apr 2019 20:11

Tgt Ion: 75 Resp: 32531
 Ion Ratio Lower Upper
 75 100
 110 8.1 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

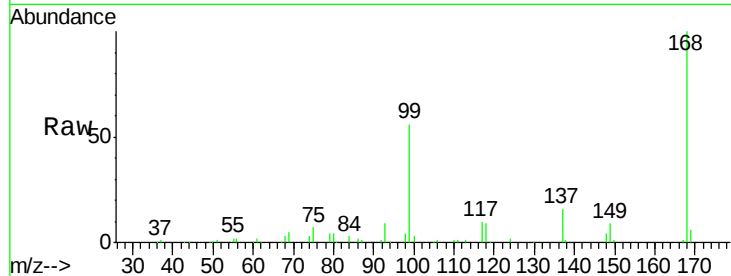




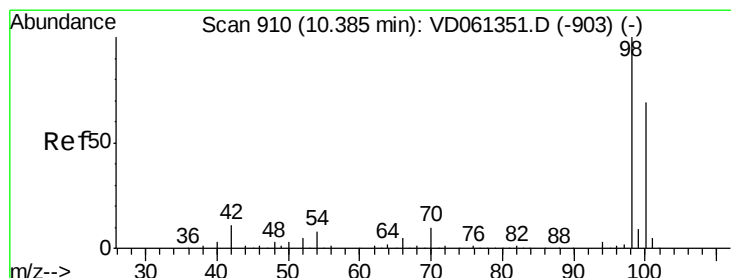
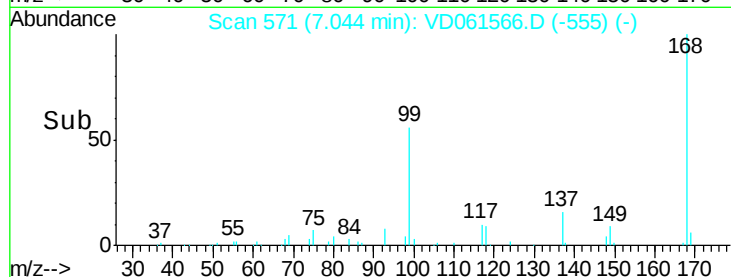
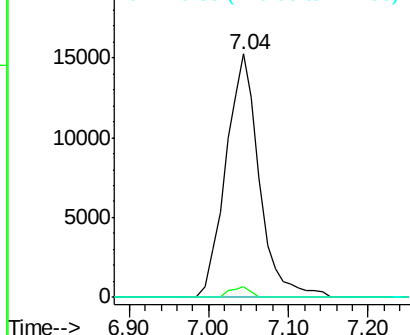
#38
Carbon Tetrachloride
Concen: 5.600 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD061566.D
Acq: 3 Apr 2019 20:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 44653
Ion Ratio Lower Upper
117 100
119 4.5 80.1 120.1#
121 0.0 25.6 38.4#

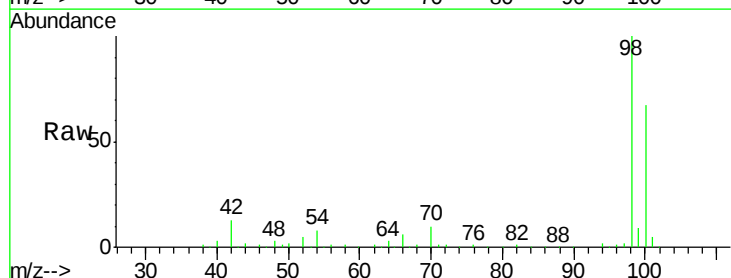


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

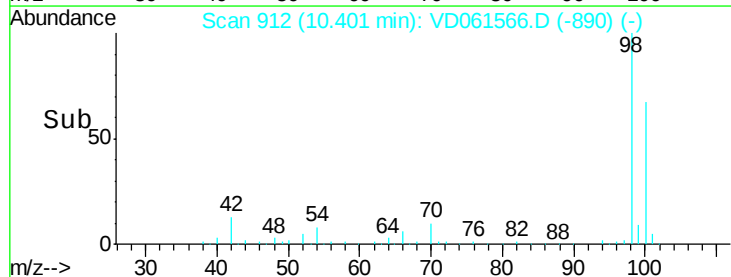
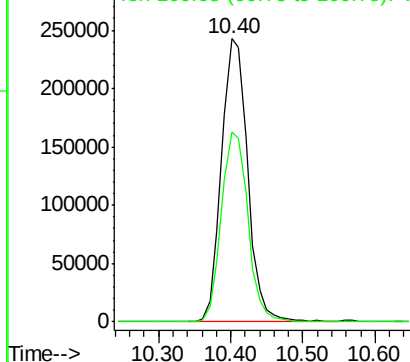


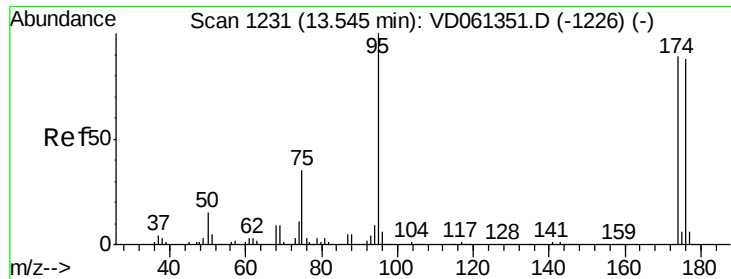
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061566.D
Acq: 3 Apr 2019 20:11

Tgt Ion: 98 Resp: 609791
Ion Ratio Lower Upper
98 100
100 67.0 56.2 84.2



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

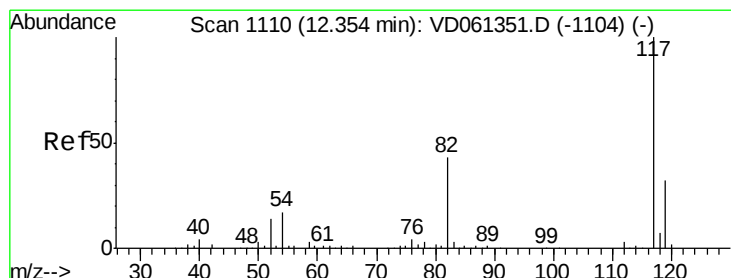
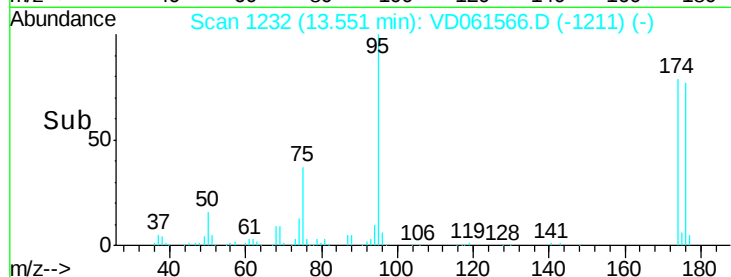
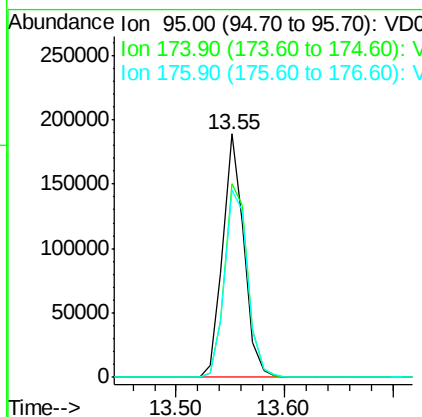
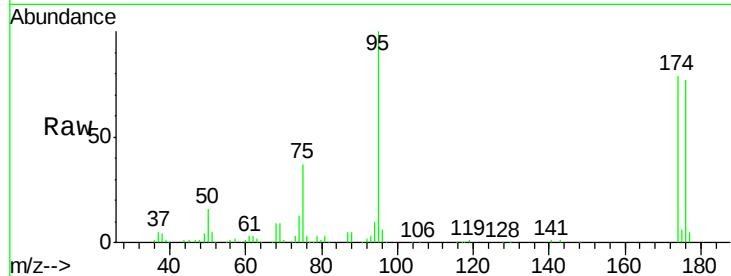




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061566.D
Acq: 3 Apr 2019 20:11

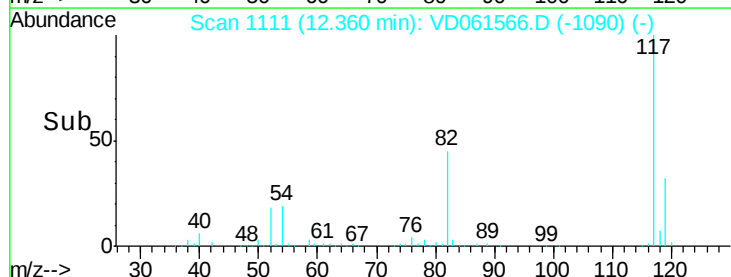
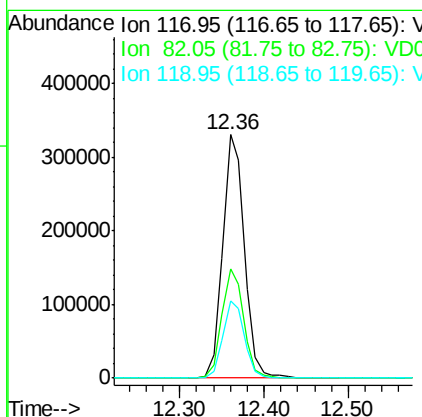
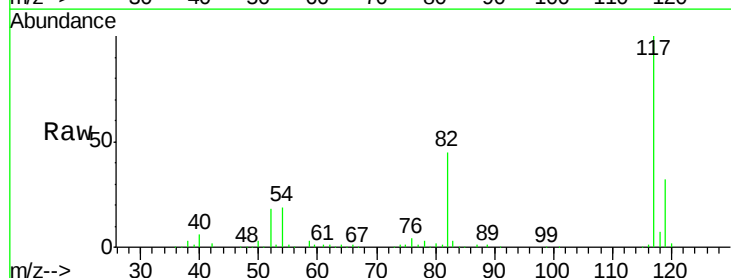
Instrument :
MSVOA_D
ClientSampleId :

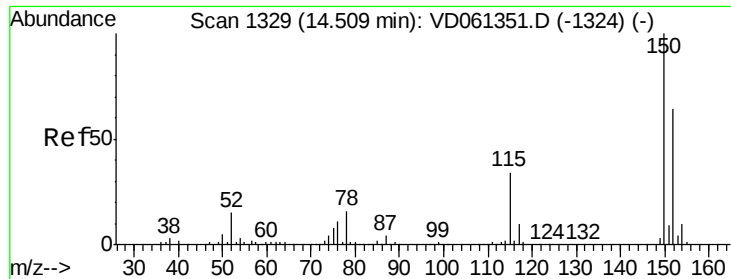
Tot Ion: 95 Resp: 257096
Ion Ratio Lower Upper
95 100
174 79.4 0.0 178.0
176 77.1 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061566.D
Acq: 3 Apr 2019 20:11

Tgt Ion: 117 Resp: 583985
Ion Ratio Lower Upper
117 100
82 44.7 34.4 51.6
119 31.6 25.8 38.6



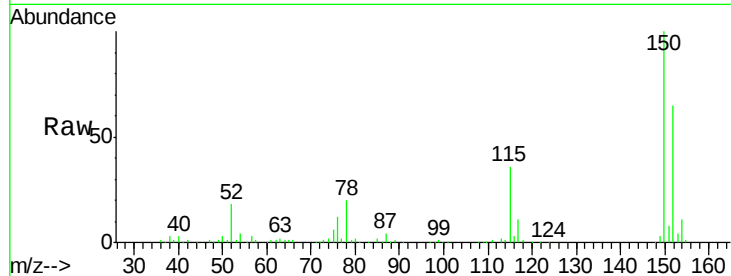


#72

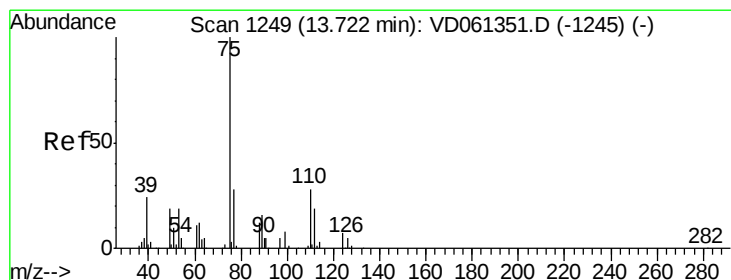
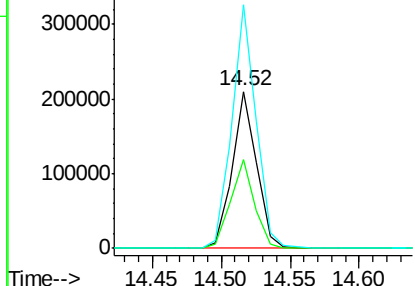
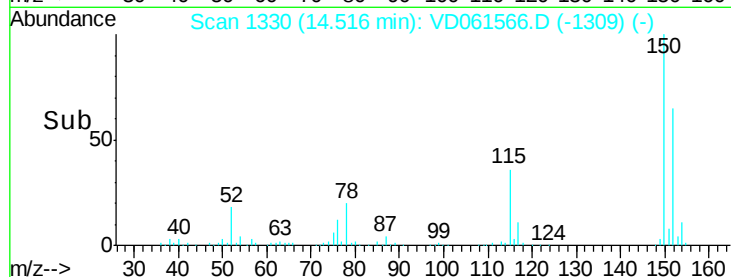
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061566.D
Acq: 3 Apr 2019 20:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 257093
Ion Ratio Lower Upper
152 100
115 56.3 26.9 80.6
150 154.9 0.0 318.0



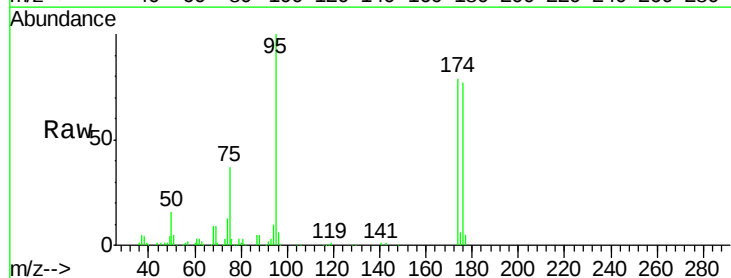
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



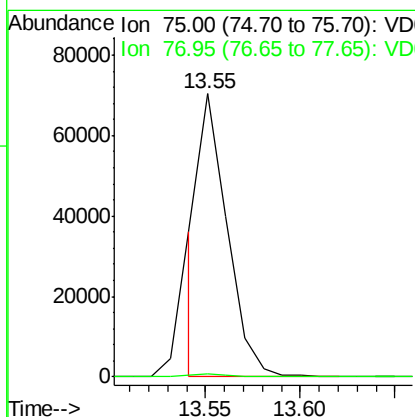
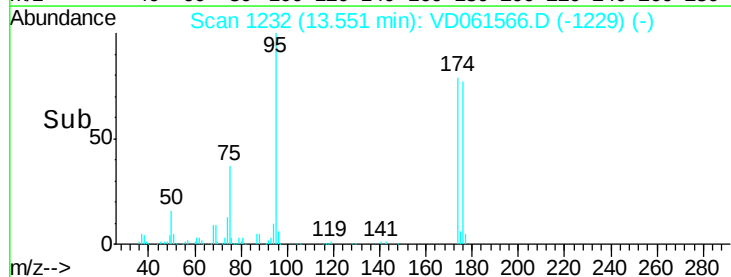
#76

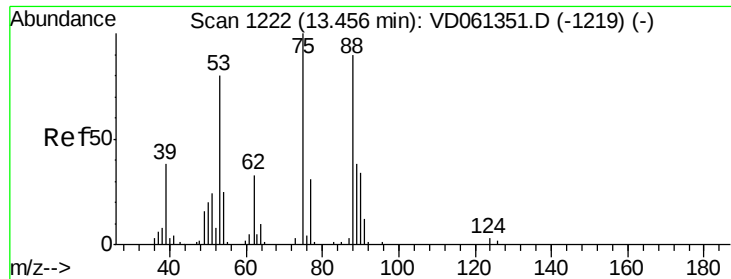
1,2,3-Trichloropropane
Concen: 19.531 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.17 min
Lab File: VD061566.D
Acq: 3 Apr 2019 20:11

Tgt Ion: 75 Resp: 72532
Ion Ratio Lower Upper
75 100
77 1.2 16.2 48.5#



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: 85.206 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061566.D

Acq: 3 Apr 2019 20:11

Instrument :

MSVOA_D

ClientSampleId :

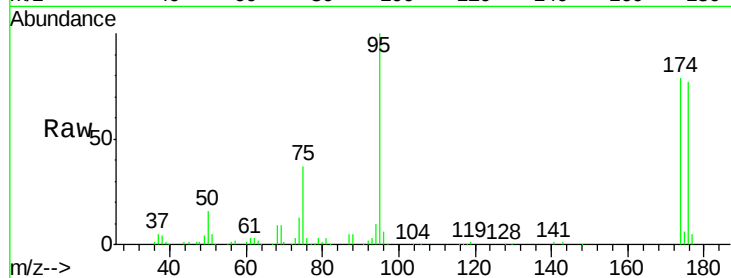
Tot Ion: 75 Resp: 96482

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

