

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061543.D
 Acq On : 3 Apr 2019 7:20
 Operator : VA/AP
 Sample : K2196-01
 Misc : 6.26g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-040119

Quant Time: Apr 03 08:39:27 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	7.07	168	386317	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	725515	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	475670	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	140264	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	214269	64.93	ug/l	0.04
Spiked Amount 50.000			Recovery	=	129.86%	
35) Dibromofluoromethane	6.94	113	290574	52.41	ug/l	0.04
Spiked Amount 50.000			Recovery	=	104.82%	
50) Toluene-d8	10.42	98	565377	42.52	ug/l	0.04
Spiked Amount 50.000			Recovery	=	85.04%	
62) 4-Bromofluorobenzene	13.57	95	166104	32.57	ug/l	0.02
Spiked Amount 50.000			Recovery	=	65.14%	

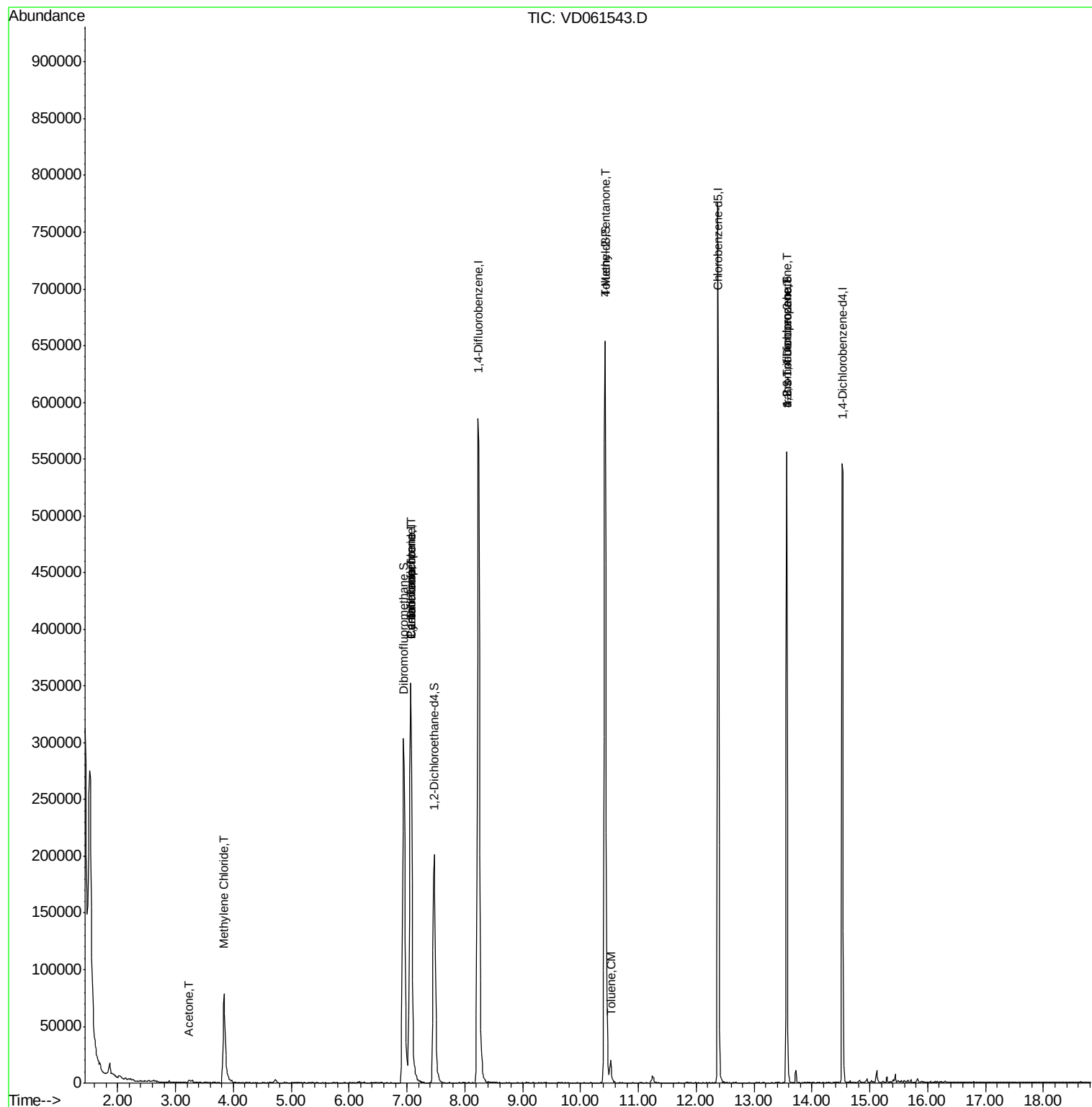
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	4556	5.370	ug/l #	89
20) Methylene Chloride	3.84	84	60192	11.175	ug/l	97
31) Cyclohexane	7.07	56	7242	1.274	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	29812	4.708	ug/l #	47
38) Carbon Tetrachloride	7.07	117	36868	5.067	ug/l #	13
51) 4-Methyl-2-Pentanone	10.42	43	2494	1.040	ug/l #	1
52) Toluene	10.52	92	11142	1.149	ug/l	91
76) 1,2,3-Trichloropropane	13.57	75	58567	28.906	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.57	75	62658	101.425	ug/l #	18

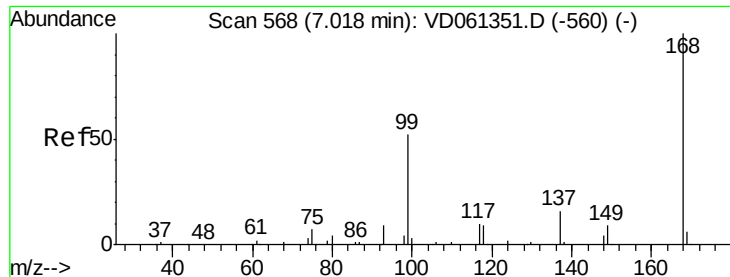
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.07 min Scan# 573

Delta R.T. 0.05 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

Instrument :

MSVOA_D

ClientSampleId :

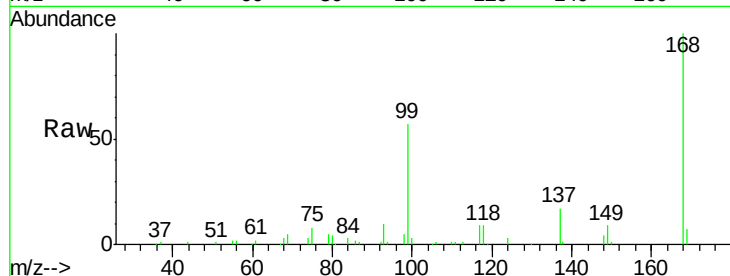
HD-01-040119

Tot Ion:168 Resp: 386317

Ion Ratio Lower Upper

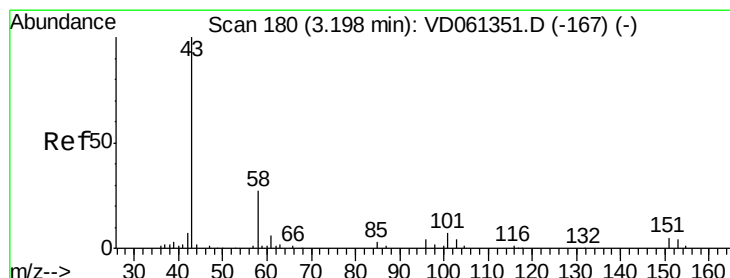
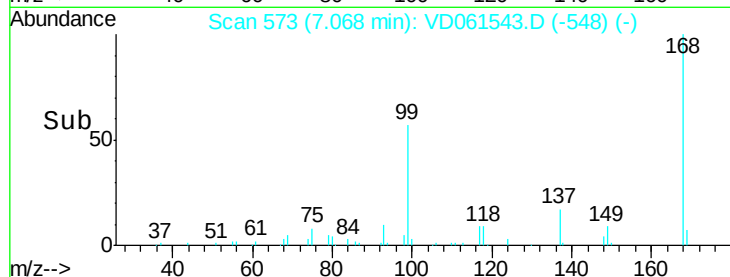
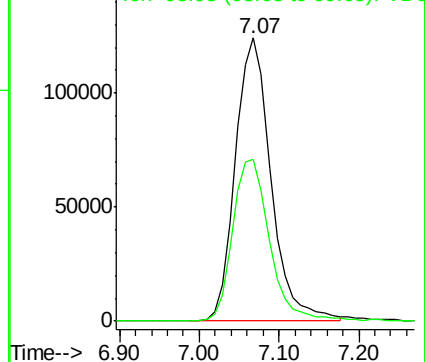
168 100

99 57.2 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: 5.370 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061543.D

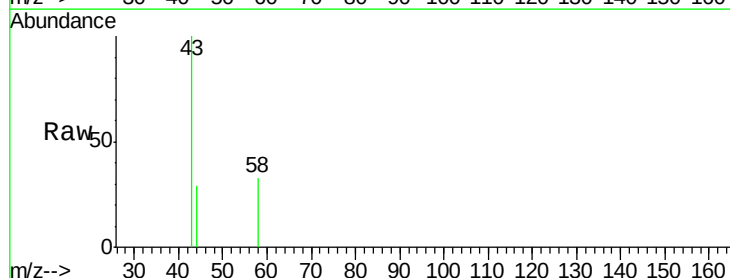
Acq: 3 Apr 2019 7:20

Tgt Ion: 43 Resp: 4556

Ion Ratio Lower Upper

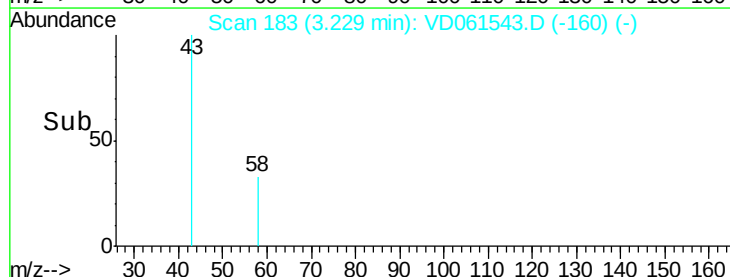
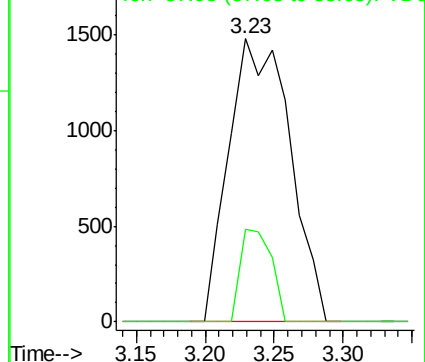
43 100

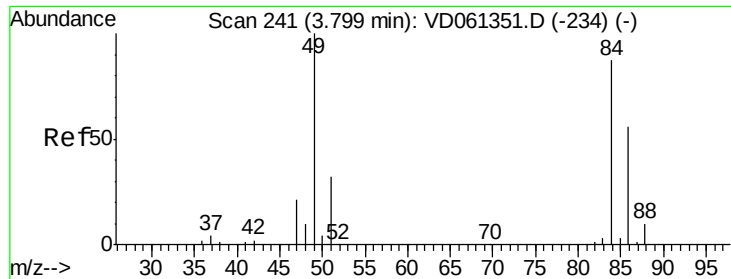
58 32.7 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

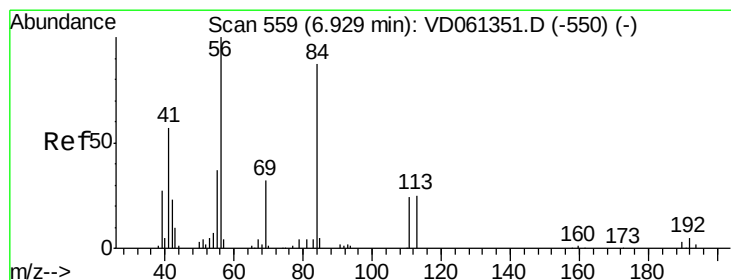
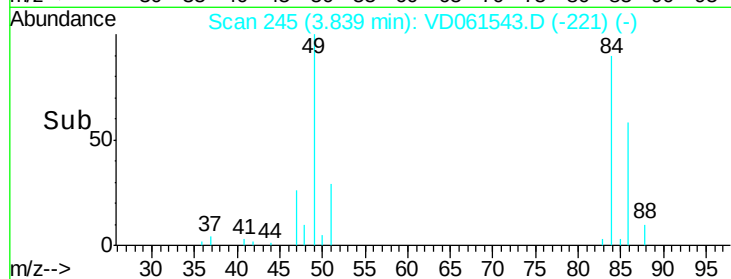
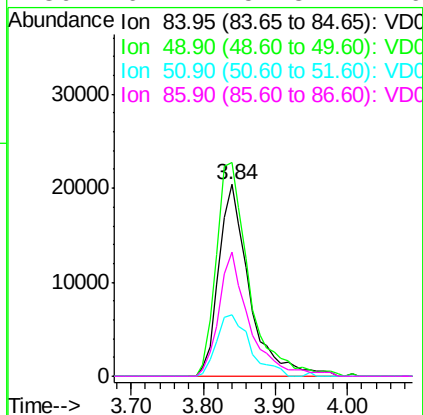
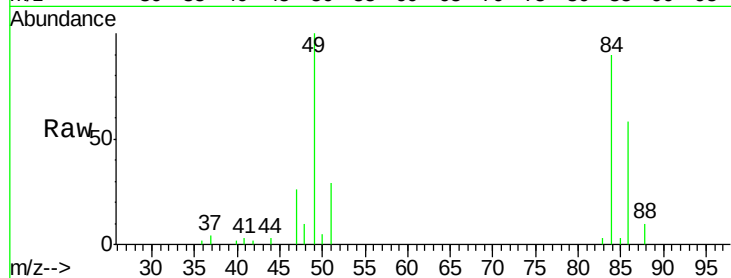




#20
Methylene Chloride
Concen: 11.175 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

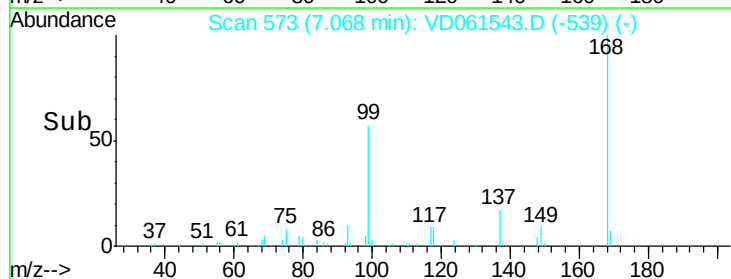
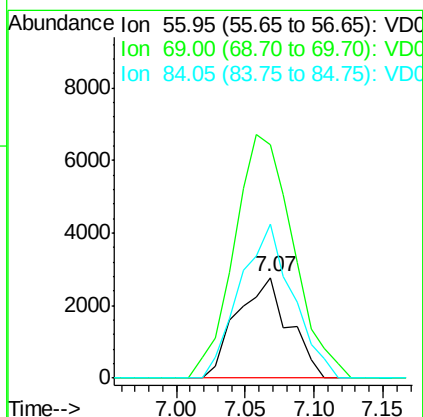
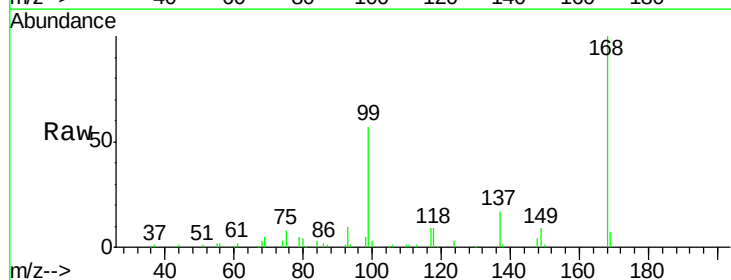
Instrument :
MSVOA_D
ClientSampleId :
HD-01-040119

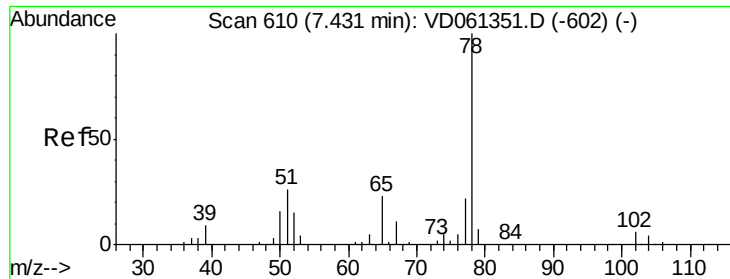
Tot Ion:	84	Resp:	60192
Ion	Ratio	Lower	Upper
84	100		
49	111.4	91.8	137.8
51	31.8	29.8	44.8
86	64.7	51.8	77.6



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.14 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

Tgt Ion:	56	Resp:	7242
Ion	Ratio	Lower	Upper
56	100		
69	230.9	25.7	38.5#
84	152.3	70.6	105.8#

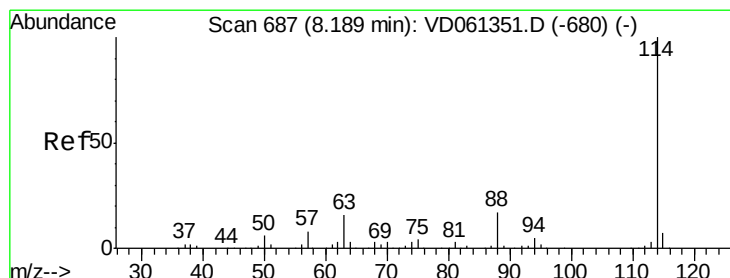
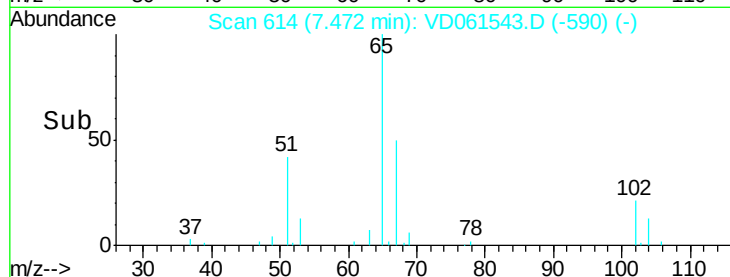
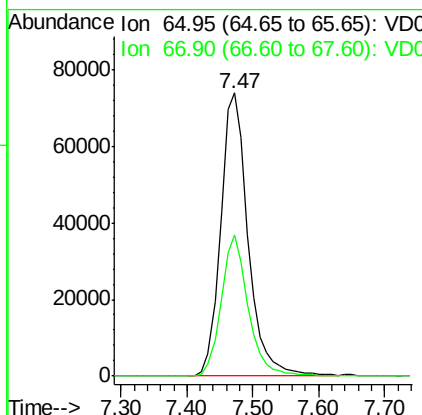
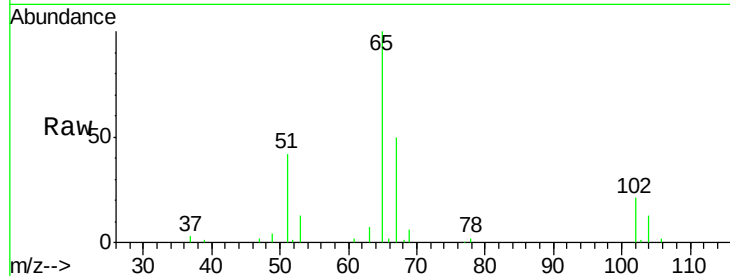




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD061543.D
 Acq: 3 Apr 2019 7:20

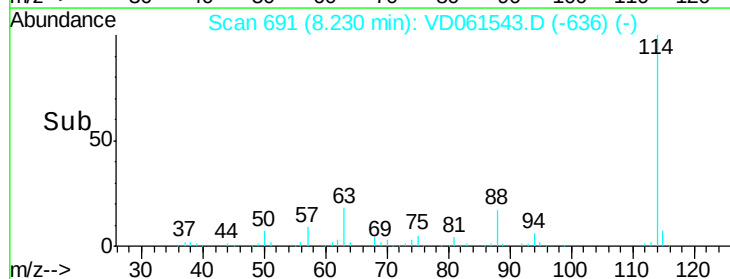
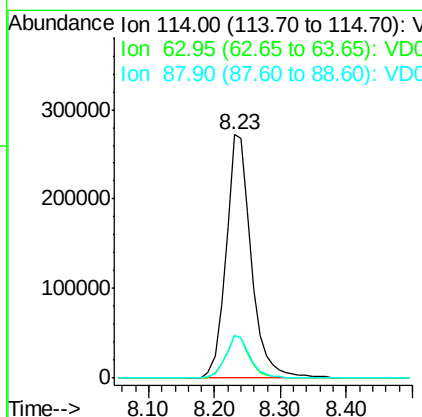
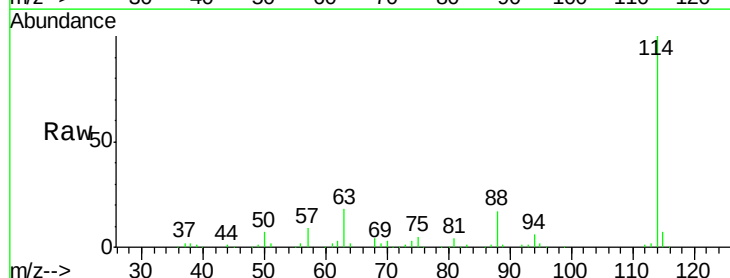
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-040119

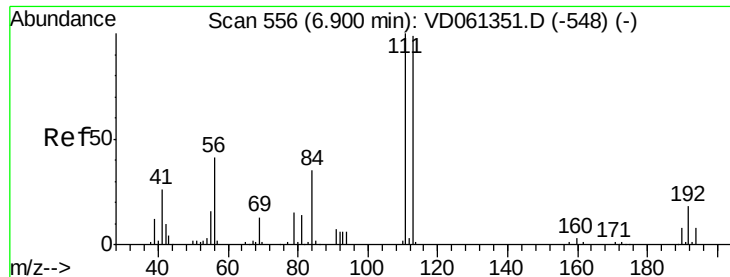
Tot Ion: 65 Resp: 214269
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061543.D
 Acq: 3 Apr 2019 7:20

Tgt Ion: 114 Resp: 725515
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 31.6
 88 17.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

Instrument :

MSVOA_D

ClientSampleId :

HD-01-040119

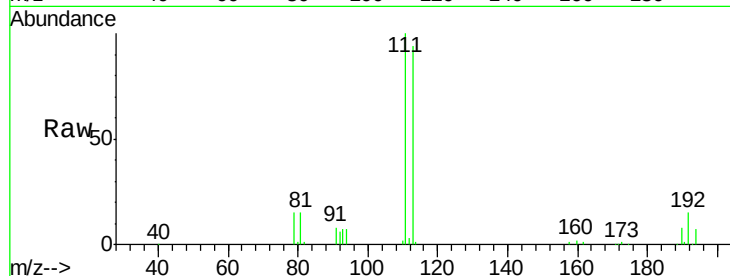
Tot Ion:113 Resp: 290574

Ion Ratio Lower Upper

113 100

111 106.8 81.0 121.6

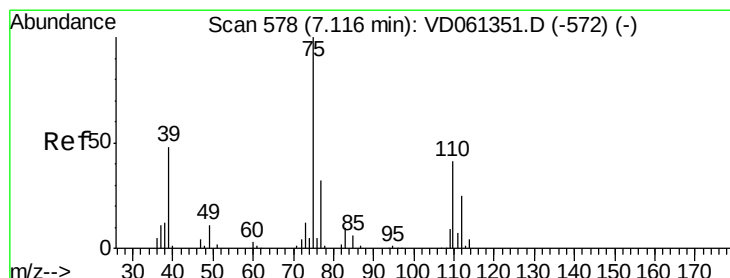
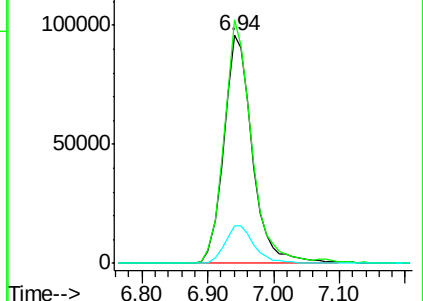
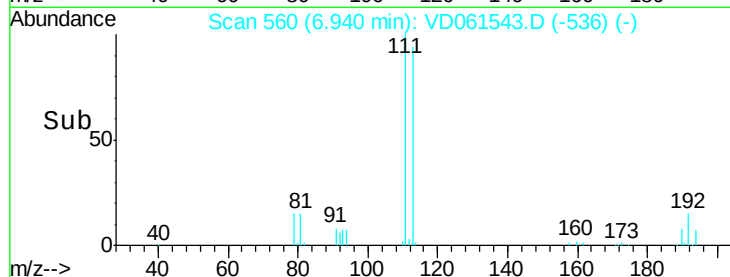
192 16.4 14.4 21.6



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: 4.708 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

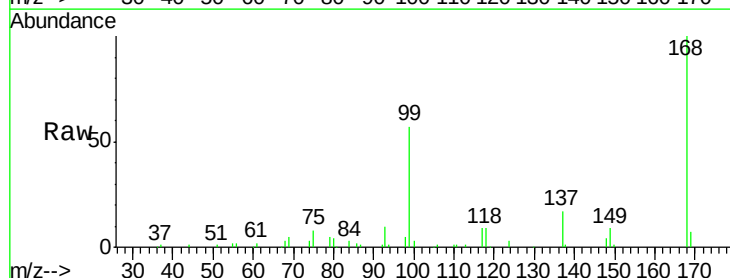
Tgt Ion: 75 Resp: 29812

Ion Ratio Lower Upper

75 100

110 9.0 20.4 61.3#

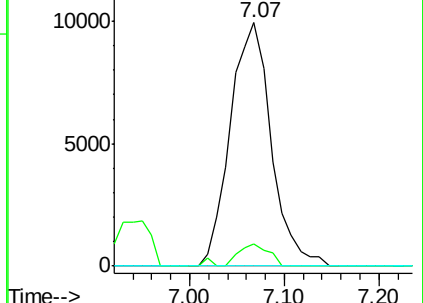
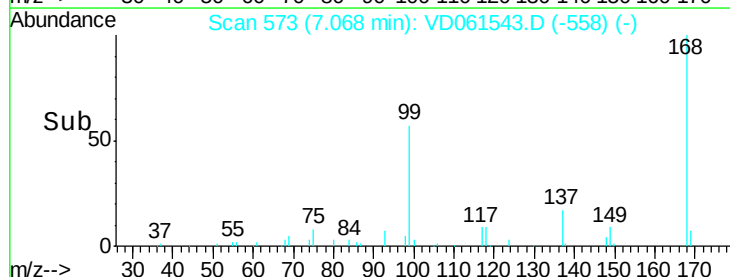
77 0.0 24.9 37.3#

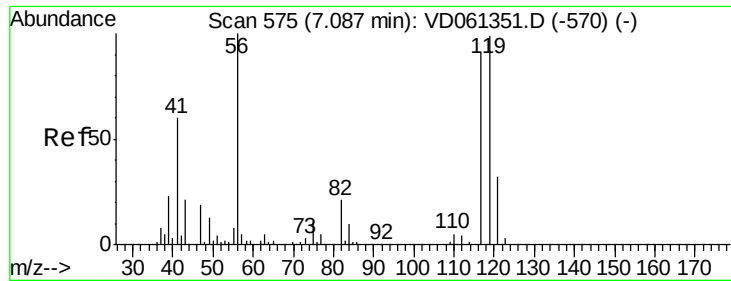


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.067 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

Instrument :

MSVOA_D

ClientSampleId :

HD-01-040119

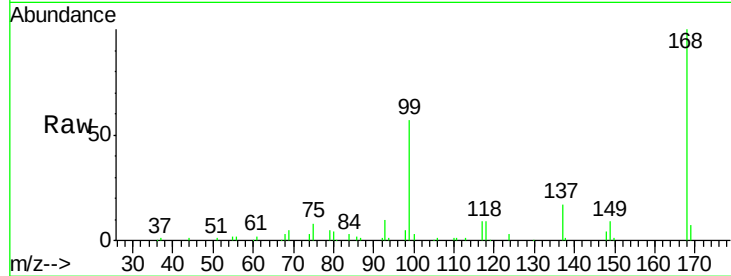
Tot Ion:117 Resp: 36868

Ion Ratio Lower Upper

117 100

119 3.0 80.1 120.1#

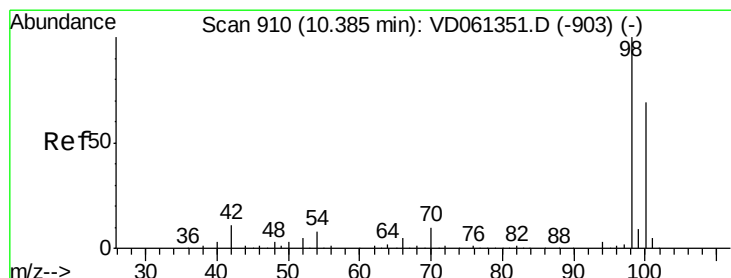
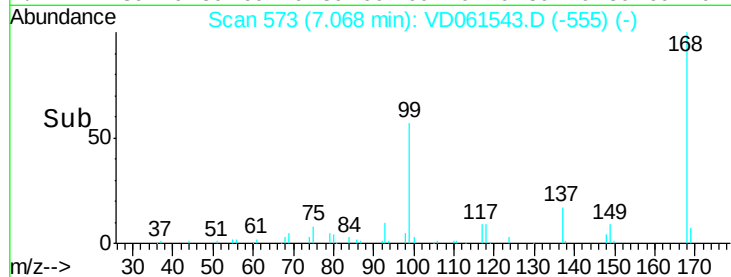
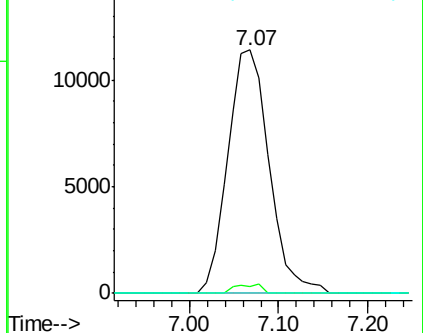
121 0.0 25.6 38.4#



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. 0.04 min

Lab File: VD061543.D

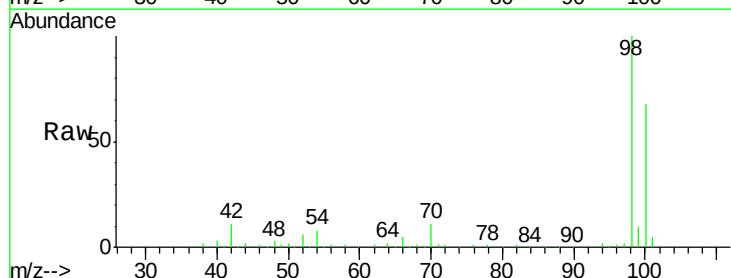
Acq: 3 Apr 2019 7:20

Tgt Ion: 98 Resp: 565377

Ion Ratio Lower Upper

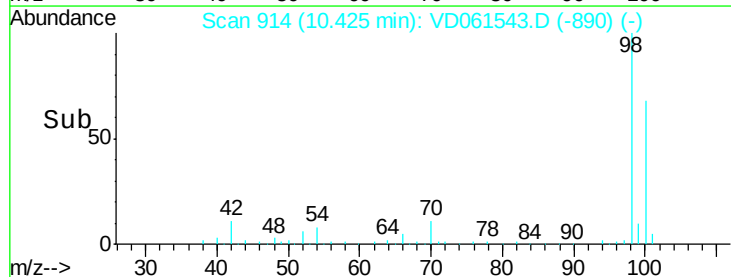
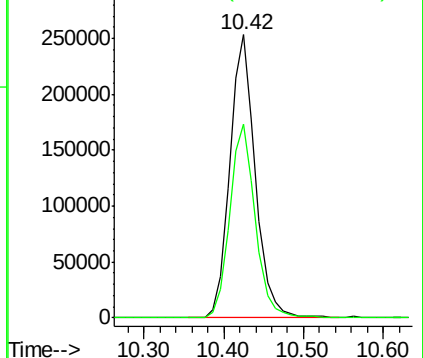
98 100

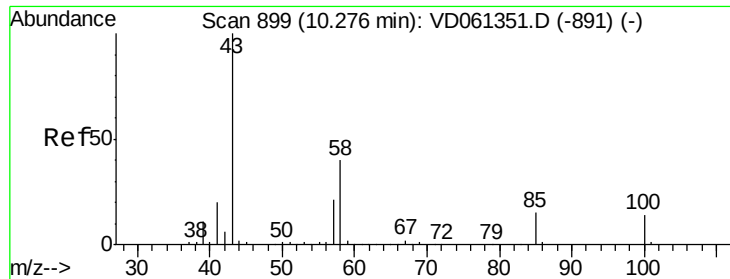
100 68.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.040 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.14 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

Instrument :

MSVOA_D

ClientSampleId :

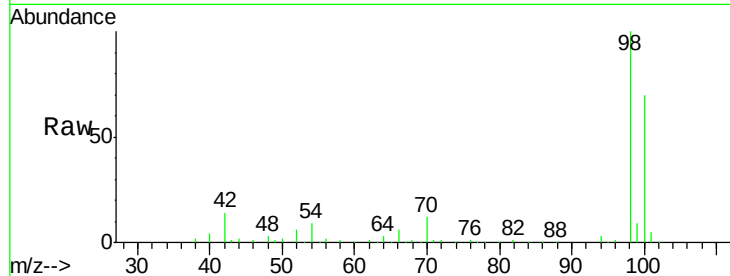
HD-01-040119

Tot Ion: 43 Resp: 2494

Ion Ratio Lower Upper

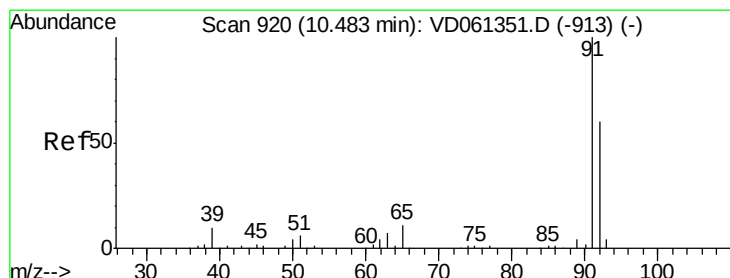
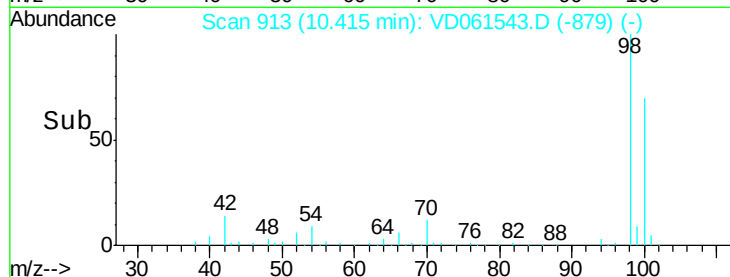
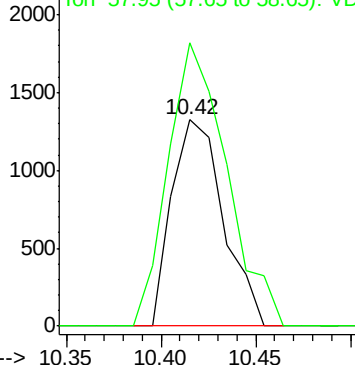
43 100

58 137.3 31.8 47.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 1.149 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.04 min

Lab File: VD061543.D

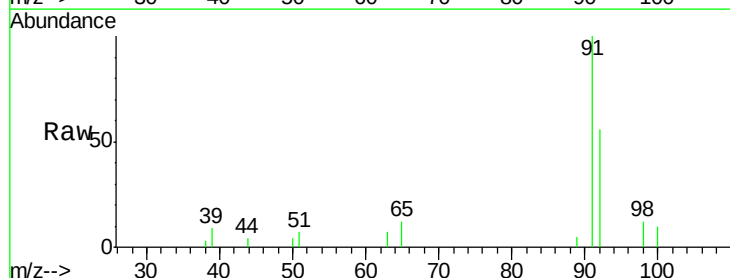
Acq: 3 Apr 2019 7:20

Tgt Ion: 92 Resp: 11142

Ion Ratio Lower Upper

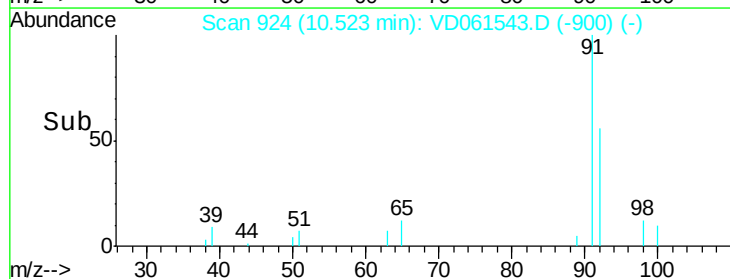
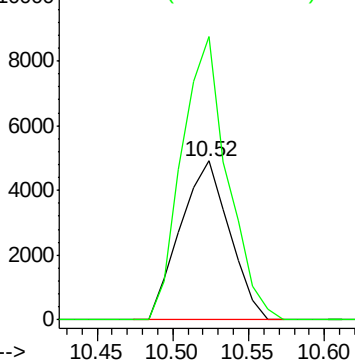
92 100

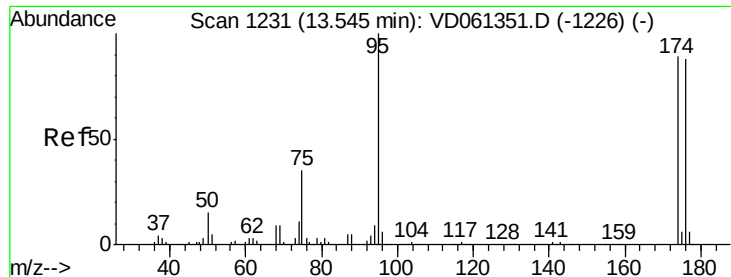
91 178.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

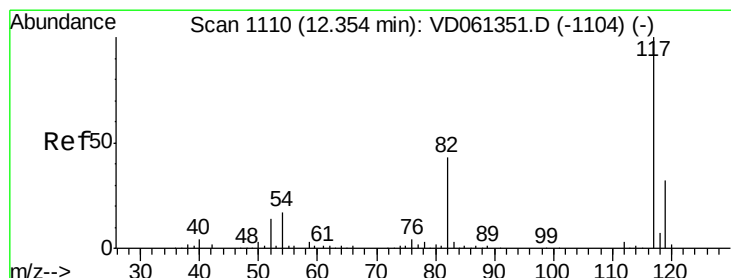
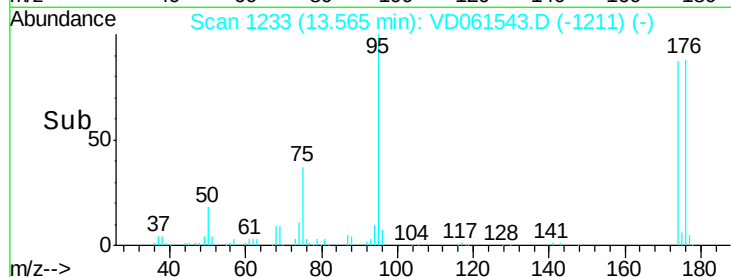
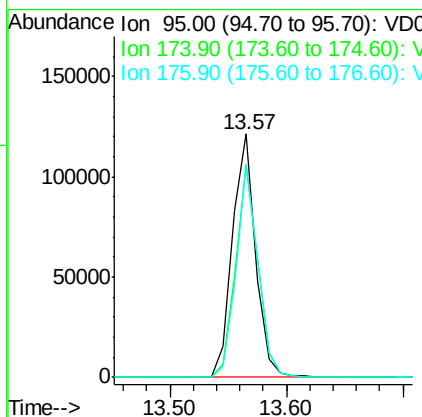
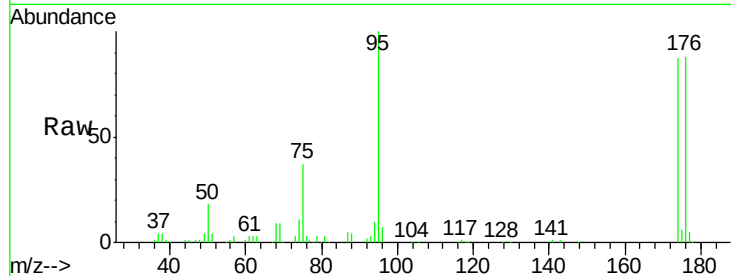




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

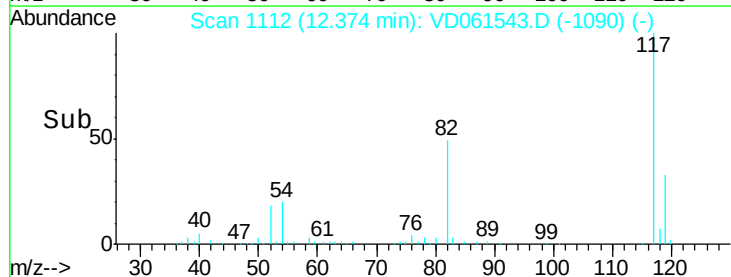
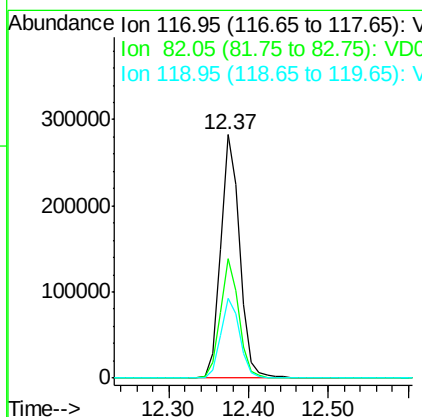
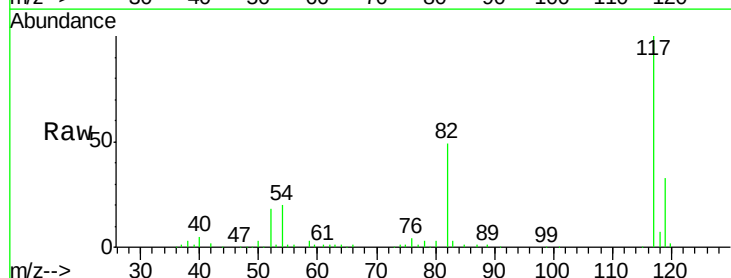
Instrument :
MSVOA_D
ClientSampleId :
HD-01-040119

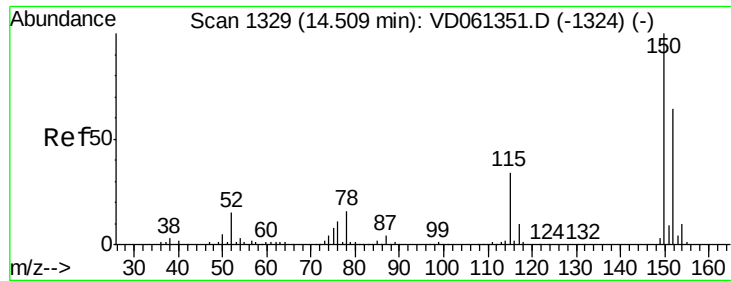
Tot Ion: 95 Resp: 166104
Ion Ratio Lower Upper
95 100
174 87.4 0.0 178.0
176 87.6 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

Tgt Ion: 117 Resp: 475670
Ion Ratio Lower Upper
117 100
82 49.2 34.4 51.6
119 32.8 25.8 38.6

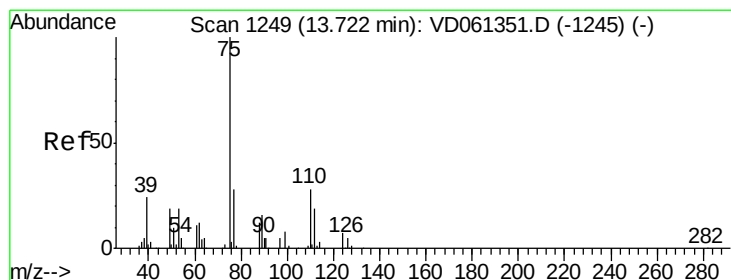
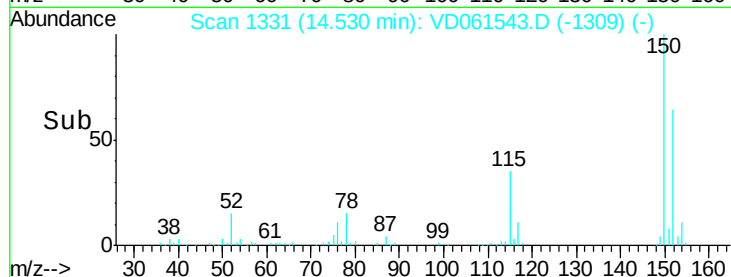
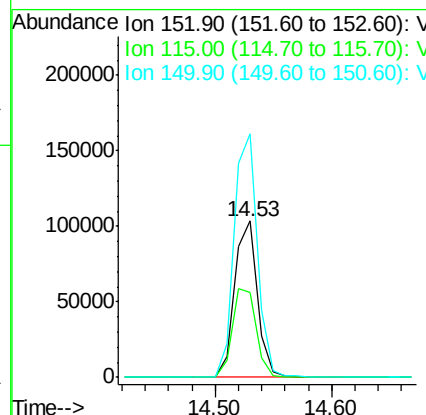
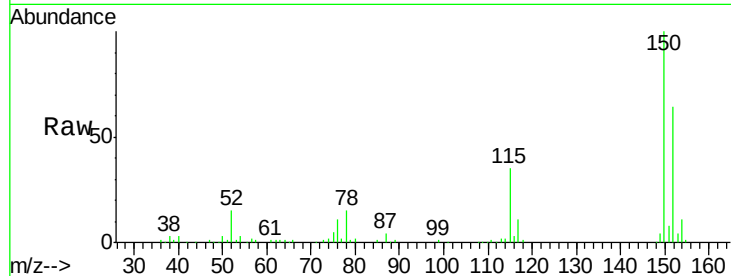




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.02 min
 Lab File: VD061543.D
 Acq: 3 Apr 2019 7:20

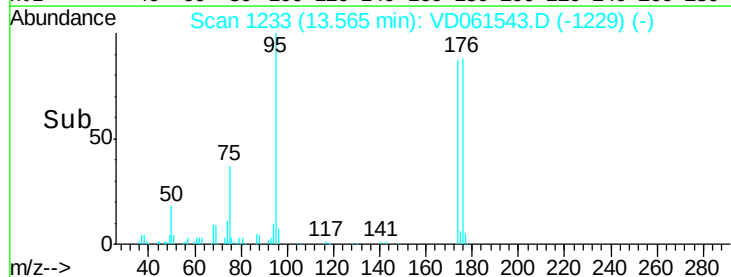
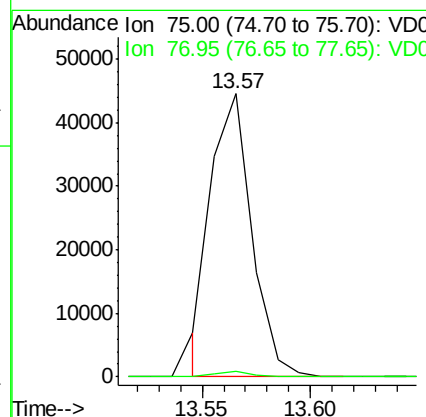
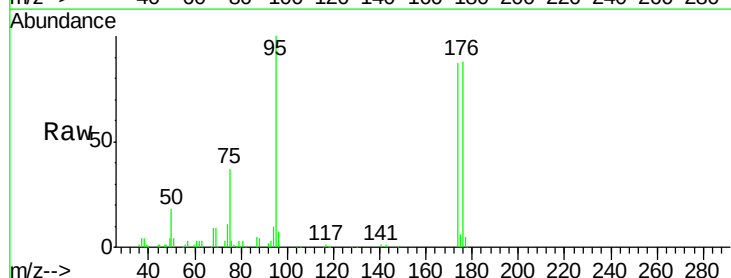
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-040119

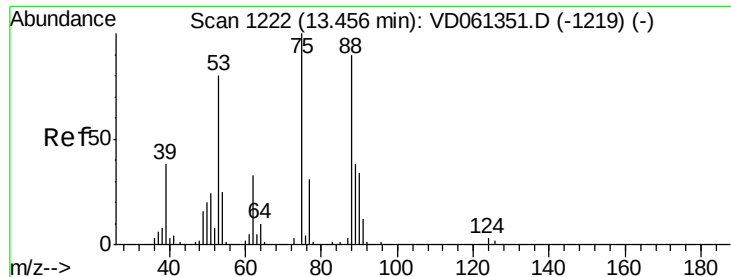
Tot Ion:152 Resp: 140264
 Ion Ratio Lower Upper
 152 100
 115 54.4 26.9 80.6
 150 155.6 0.0 318.0



#76
 1,2,3-Trichloropropane
 Concen: 28.906 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD061543.D
 Acq: 3 Apr 2019 7:20

Tgt Ion: 75 Resp: 58567
 Ion Ratio Lower Upper
 75 100
 77 1.9 16.2 48.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 101.425 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

Instrument :

MSVOA_D

ClientSampleId :

HD-01-040119

Tot Ion: 75 Resp: 62658

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

