

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061457.D
 Acq On : 31 Mar 2019 20:00
 Operator : VA/AP
 Sample : K2130-04RE
 Misc : 6.42g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:55:56 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	568668	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	974115	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	754558	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	275532	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	212218	43.69	ug/l	0.04
Spiked Amount			Recovery	=	87.38%	
35) Dibromofluoromethane	6.95	113	302778	40.67	ug/l	0.05
Spiked Amount			Recovery	=	81.34%	
50) Toluene-d8	10.43	98	766110	42.91	ug/l	0.04
Spiked Amount			Recovery	=	85.82%	
62) 4-Bromofluorobenzene	13.57	95	281156	41.07	ug/l	0.02
Spiked Amount			Recovery	=	82.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	10330	8.272	ug/l	99
20) Methylene Chloride	3.84	84	29786	2.431	ug/l	95
29) Tetrahydrofuran	6.49	42	1025	1.346	ug/l #	45
31) Cyclohexane	7.06	56	10807	1.292	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	42996	5.057	ug/l #	45
38) Carbon Tetrachloride	7.07	117	56514	5.785	ug/l #	13
51) 4-Methyl-2-Pentanone	10.43	43	3284	1.020	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	105410	26.484	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.94	105	20987	1.411	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.56	75	105970	87.323	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061457.D

Acq: 31 Mar 2019 20:00

Instrument :

MSVOA_D

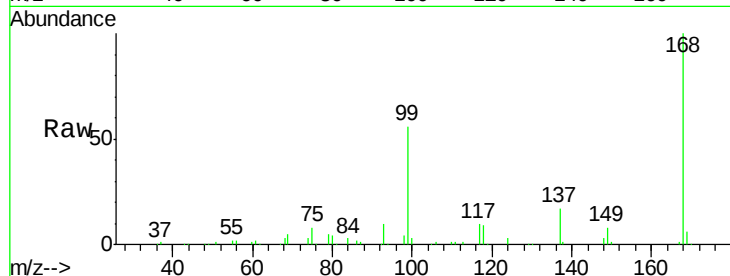
ClientSampleId :

Tot Ion:168 Resp: 568668

Ion Ratio Lower Upper

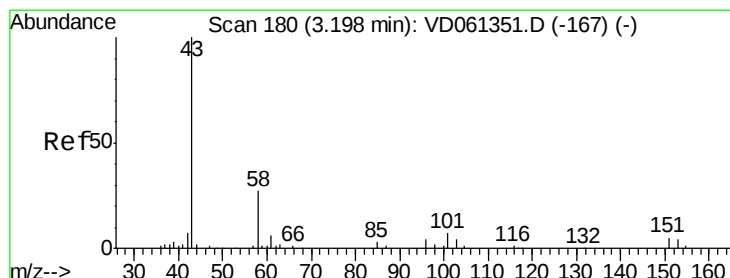
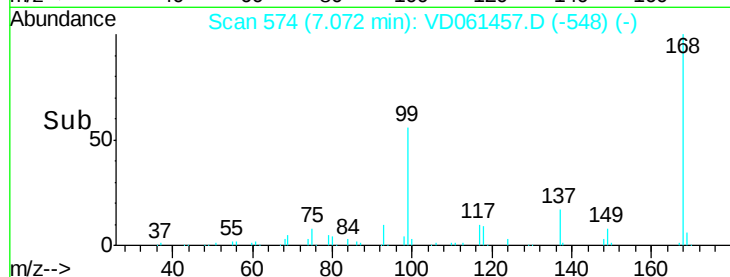
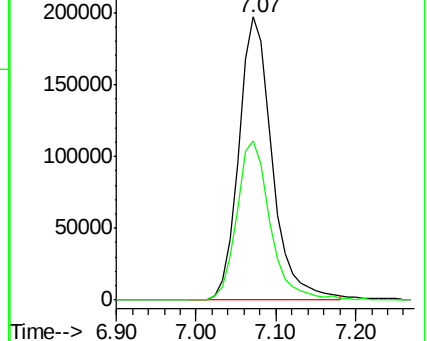
168 100

99 56.4 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: 8.272 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061457.D

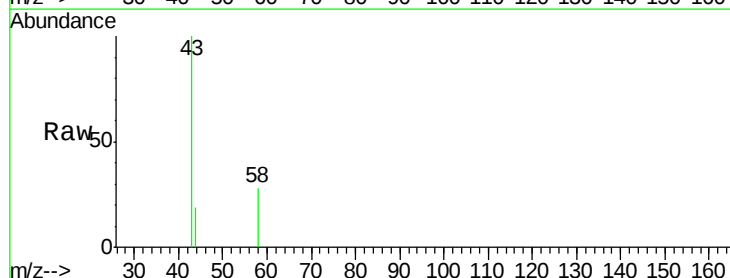
Acq: 31 Mar 2019 20:00

Tgt Ion: 43 Resp: 10330

Ion Ratio Lower Upper

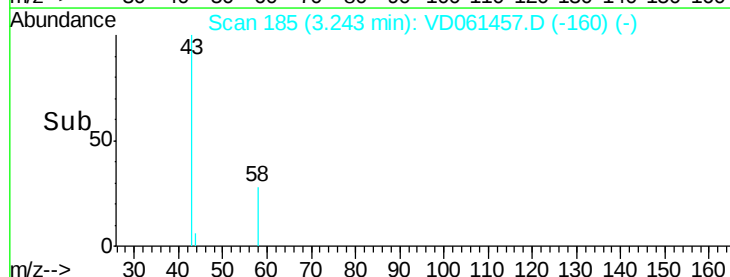
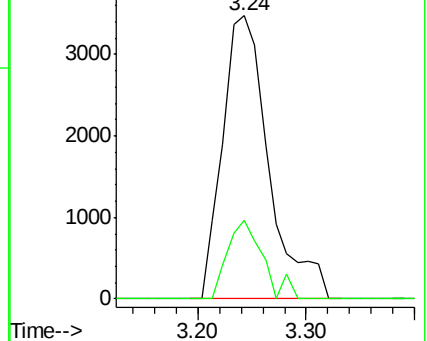
43 100

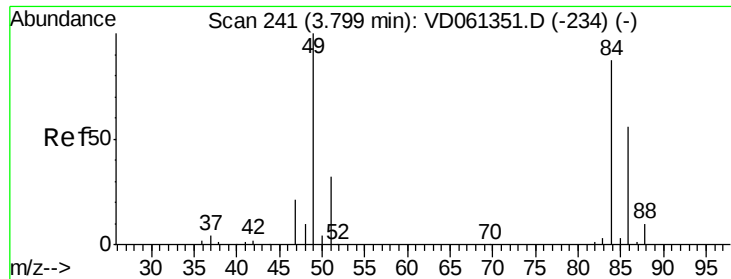
58 27.6 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

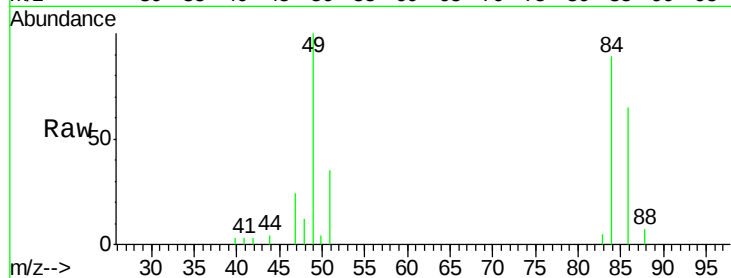




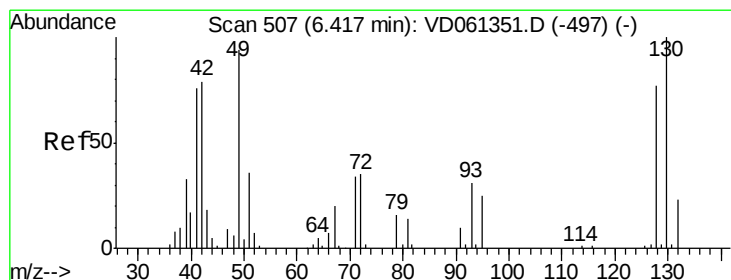
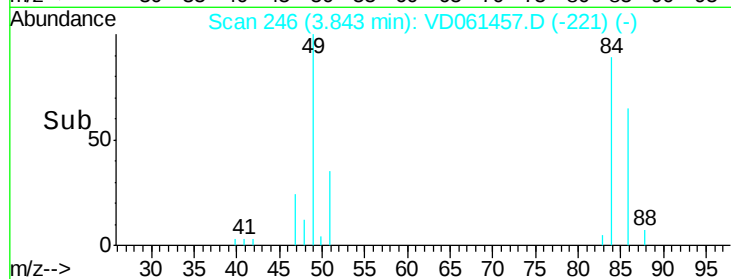
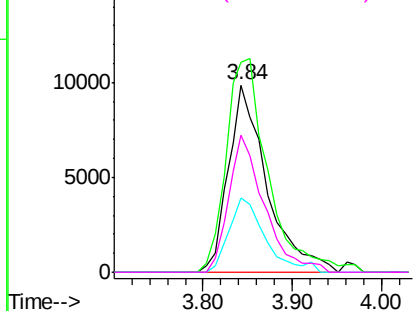
#20
Methvlene Chloride
Concen: 2.431 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061457.D
Acq: 31 Mar 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 29786
Ion Ratio Lower Upper
84 100
49 112.2 91.8 137.8
51 39.7 29.8 44.8
86 73.3 51.8 77.6

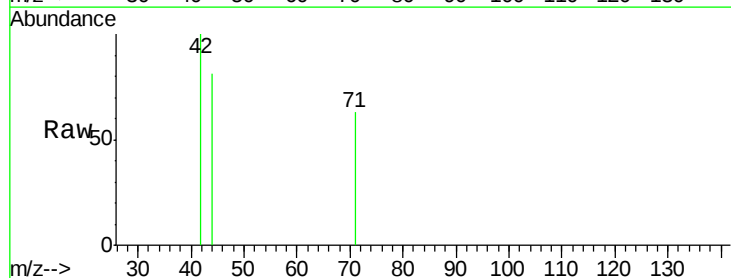


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

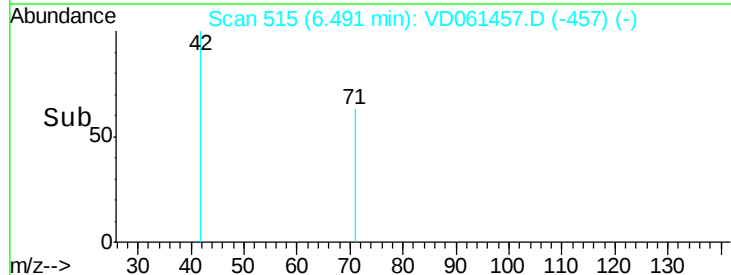
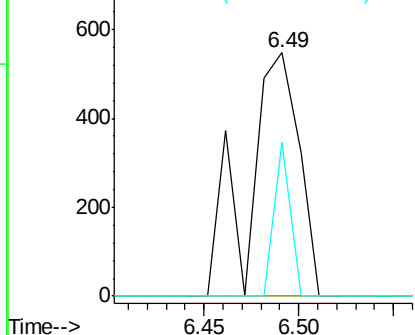


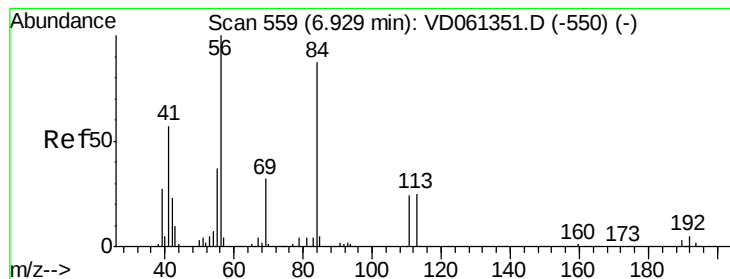
#29
Tetrahydrofuran
Concen: 1.346 ug/l
RT: 6.49 min Scan# 515
Delta R.T. 0.07 min
Lab File: VD061457.D
Acq: 31 Mar 2019 20:00

Tgt Ion: 42 Resp: 1025
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 20.0 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: 1.292 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD061457.D

Acq: 31 Mar 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :

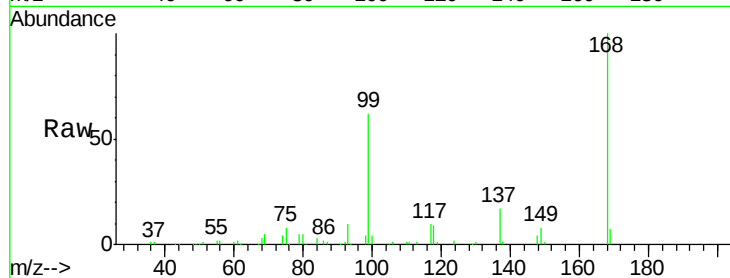
Tot Ion: 56 Resp: 10807

Ion Ratio Lower Upper

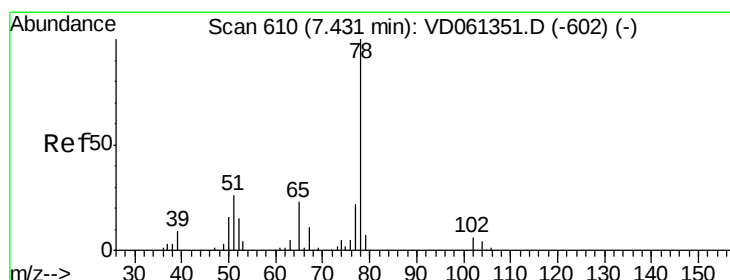
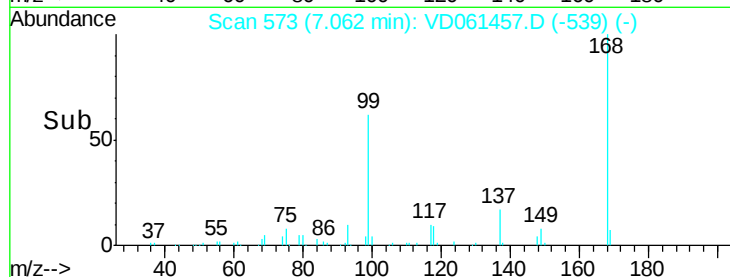
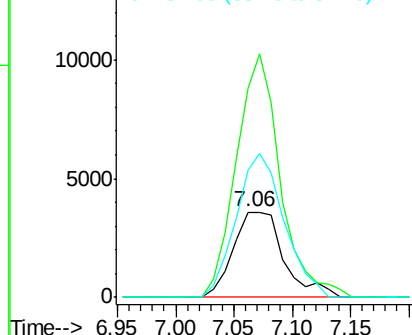
56 100

69 246.3 25.7 38.5#

84 149.4 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: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD061457.D

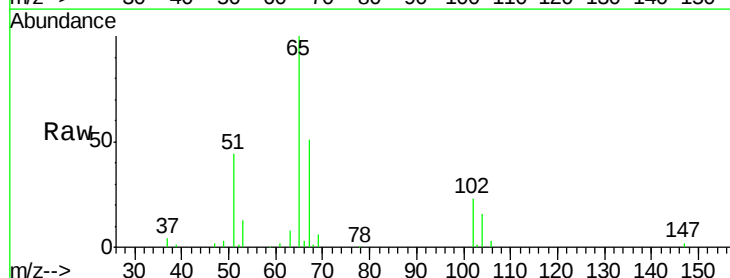
Acq: 31 Mar 2019 20:00

Tgt Ion: 65 Resp: 212218

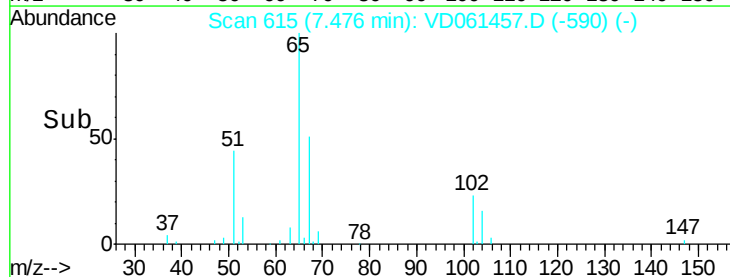
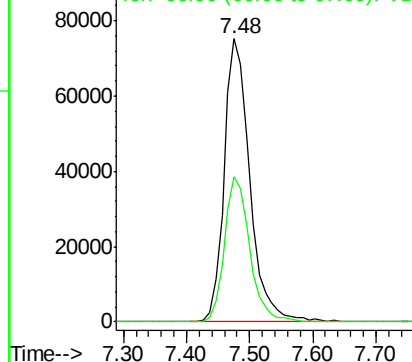
Ion Ratio Lower Upper

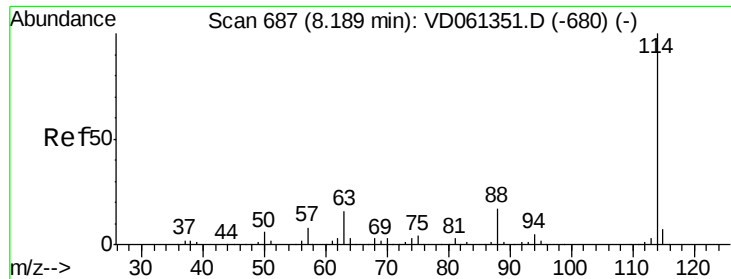
65 100

67 51.3 0.0 99.8



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

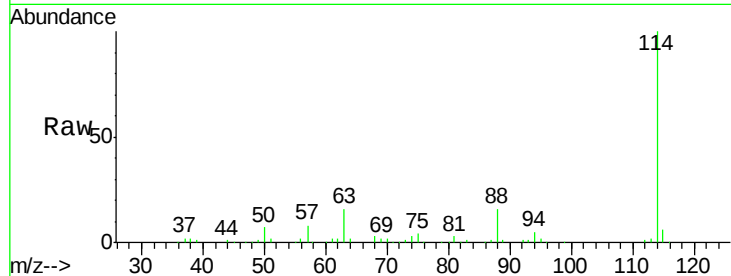




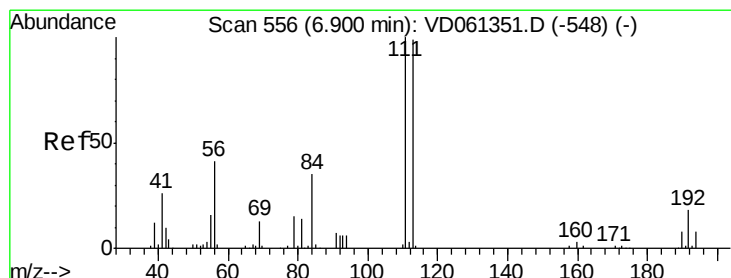
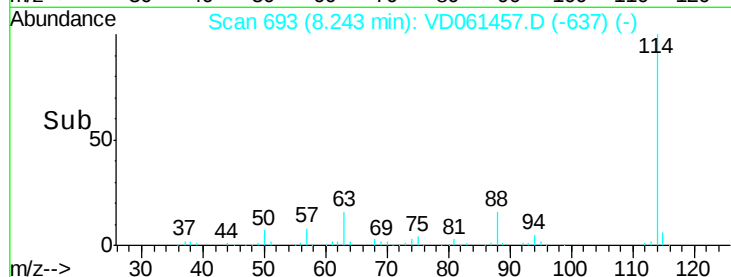
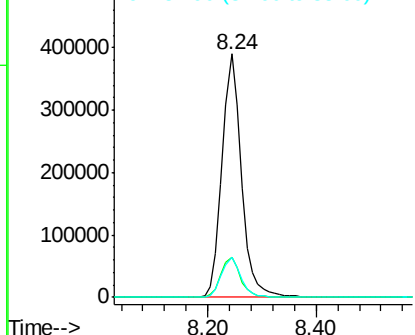
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.05 min
 Lab File: VD061457.D
 Acq: 31 Mar 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 974115
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.6
 88 16.4 0.0 33.4

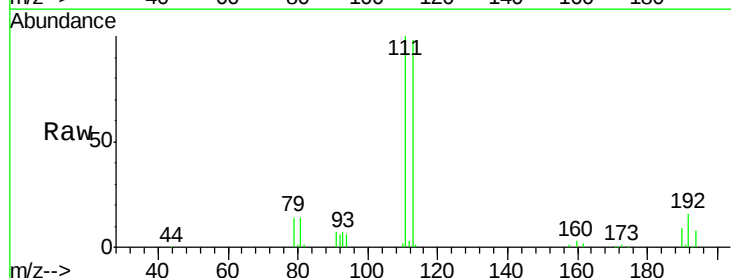


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

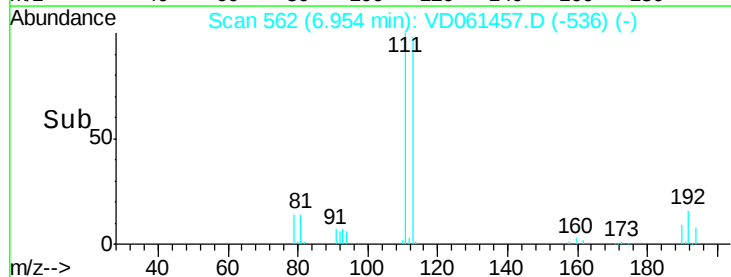
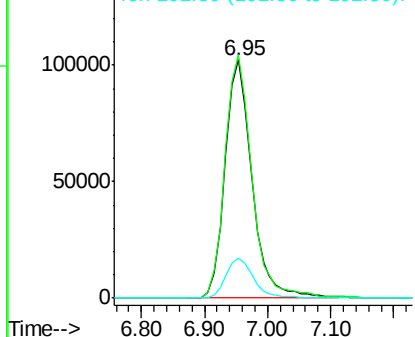


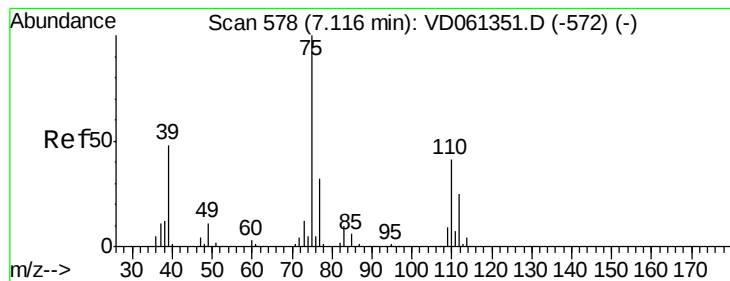
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 562
 Delta R.T. 0.05 min
 Lab File: VD061457.D
 Acq: 31 Mar 2019 20:00

Tgt Ion:113 Resp: 302778
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.6
 192 16.7 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: 5.057 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD061457.D

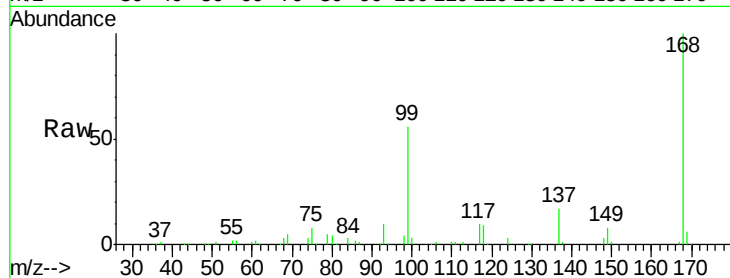
Acq: 31 Mar 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

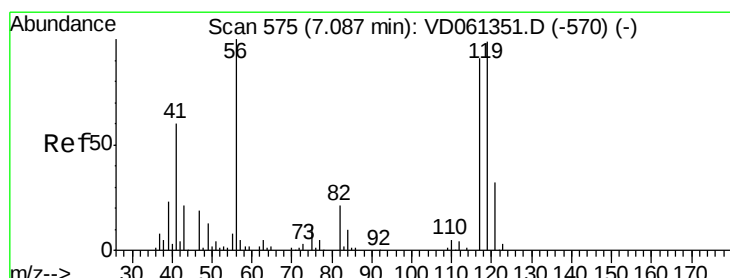
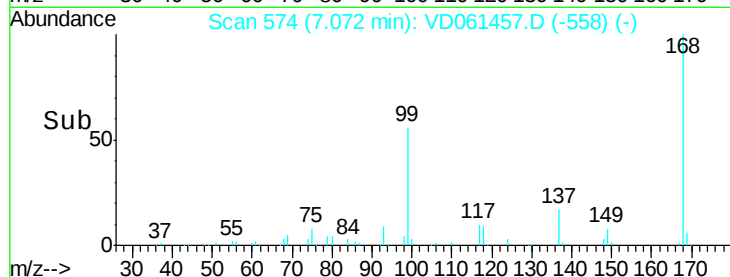
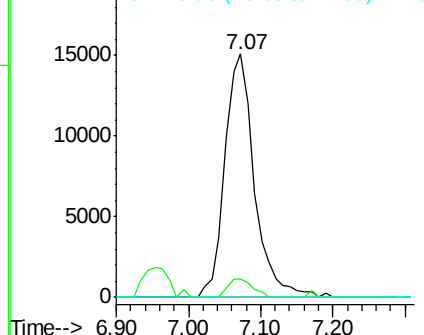
Tot Ion:	75	Resp:	42996
Ion	Ratio	Lower	Upper
75	100		
110	7.5	20.4	61.3#
77	0.0	24.9	37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.785 ug/l

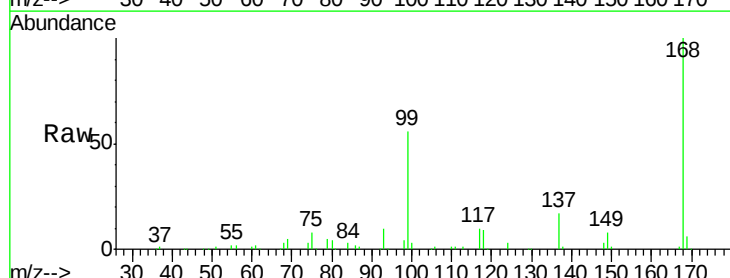
RT: 7.07 min Scan# 574

Delta R.T. -0.01 min

Lab File: VD061457.D

Acq: 31 Mar 2019 20:00

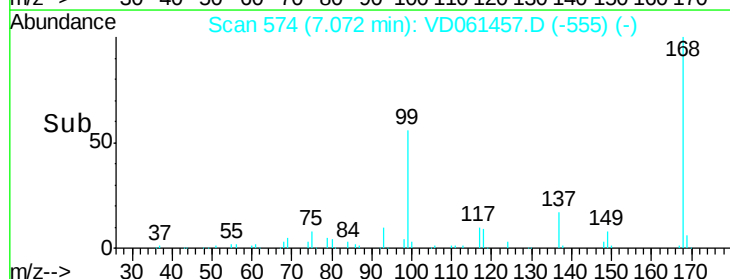
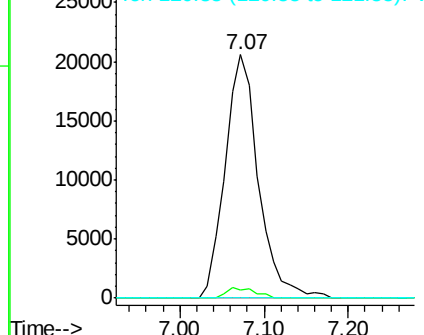
Tgt Ion:	117	Resp:	56514
Ion	Ratio	Lower	Upper
117	100		
119	3.2	80.1	120.1#
121	0.0	25.6	38.4#

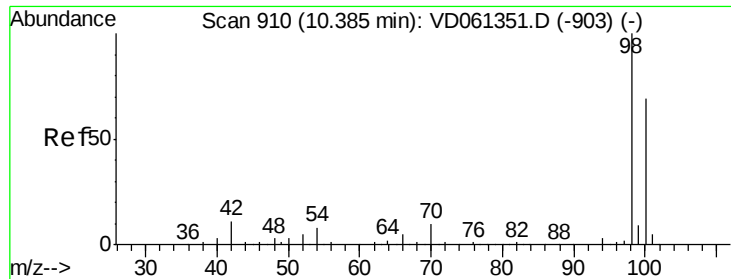


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

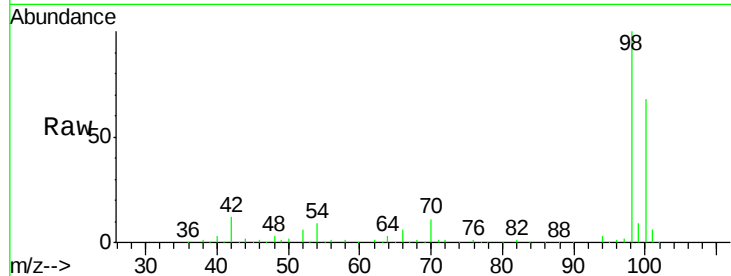




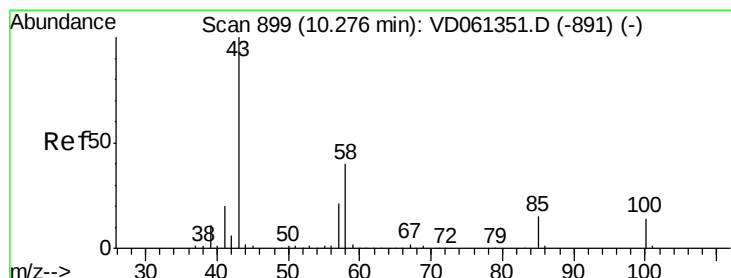
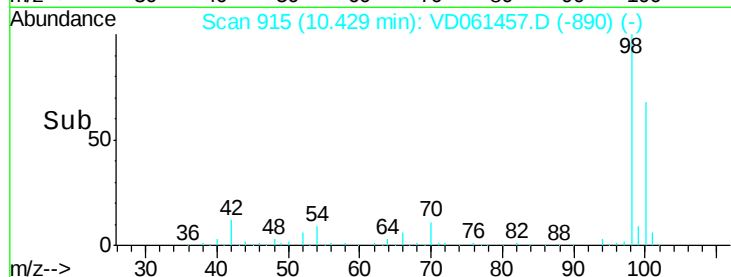
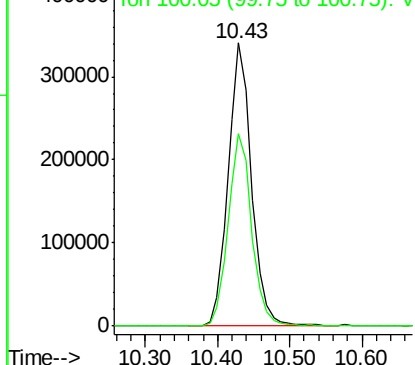
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.04 min
Lab File: VD061457.D
Acq: 31 Mar 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 766110
Ion Ratio Lower Upper
98 100
100 68.2 56.2 84.2

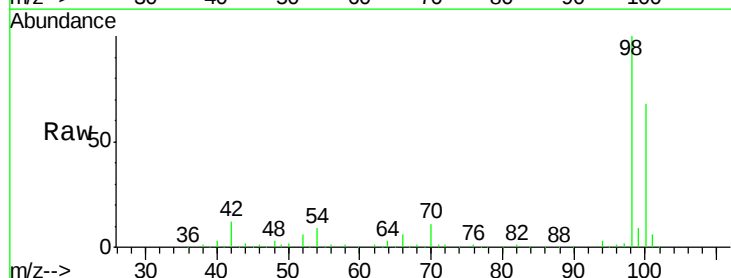


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

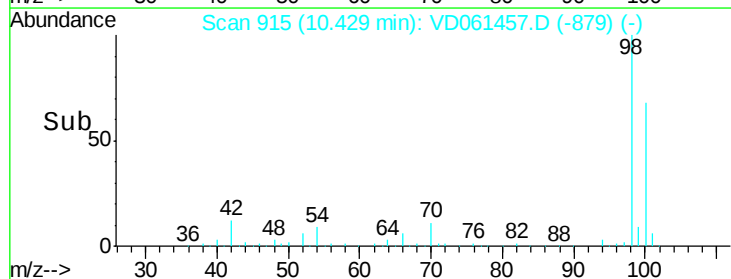
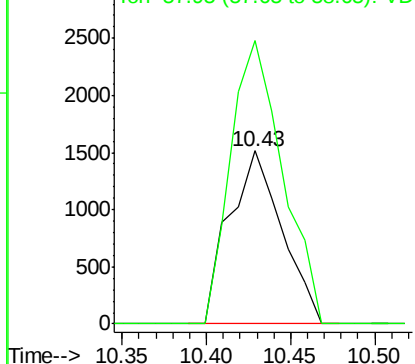


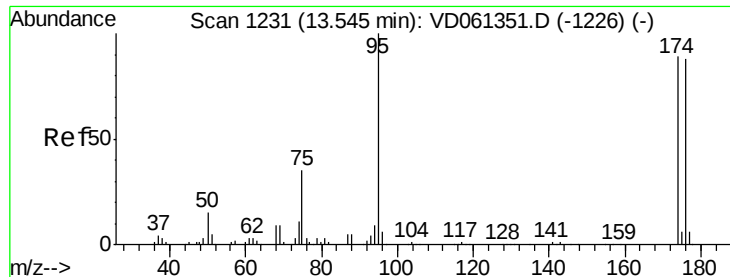
#51
4-Methyl-2-Pentanone
Concen: 1.020 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.15 min
Lab File: VD061457.D
Acq: 31 Mar 2019 20:00

Tgt Ion: 43 Resp: 3284
Ion Ratio Lower Upper
43 100
58 163.3 31.8 47.8#



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

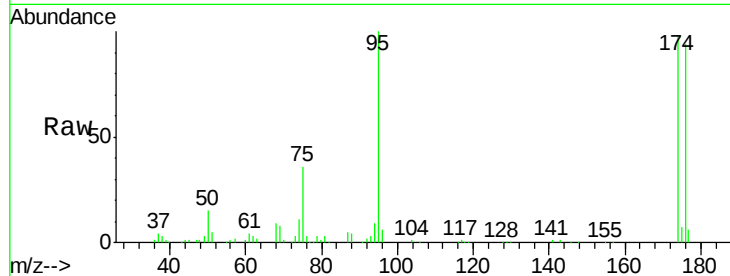




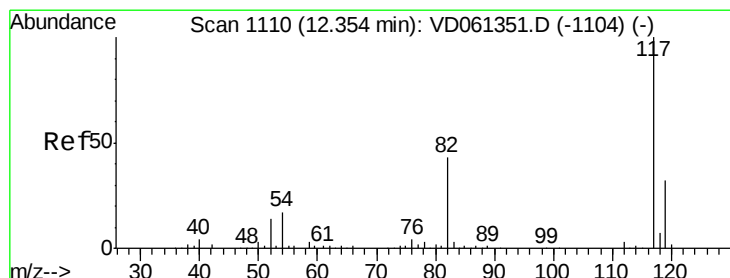
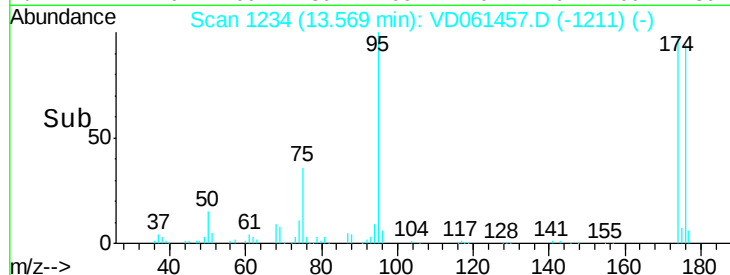
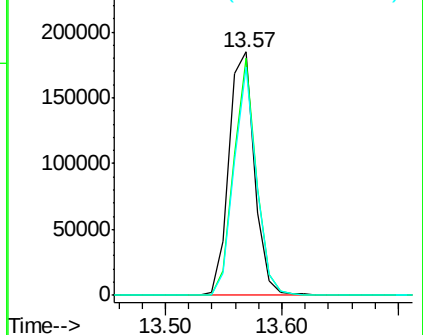
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD061457.D
Acq: 31 Mar 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 281156
Ion Ratio Lower Upper
95 100
174 97.7 0.0 178.0
176 94.0 0.0 175.0

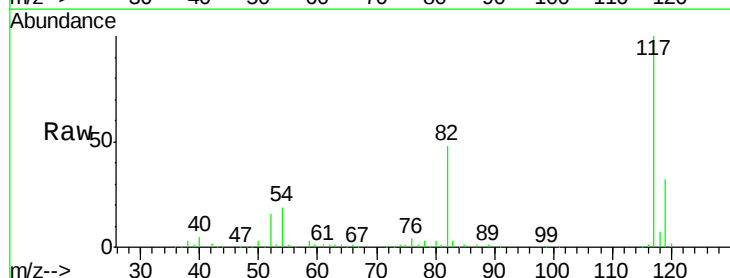


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

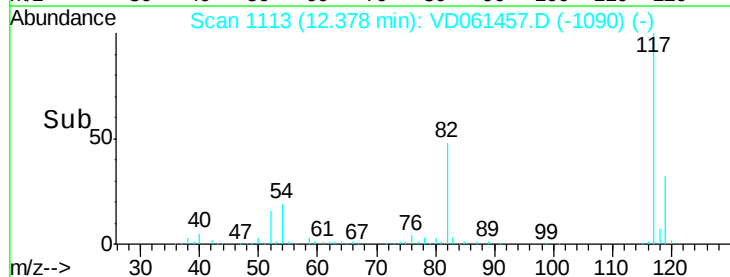
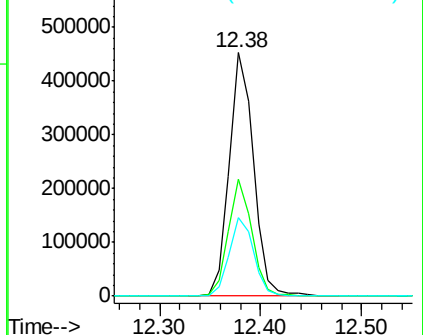


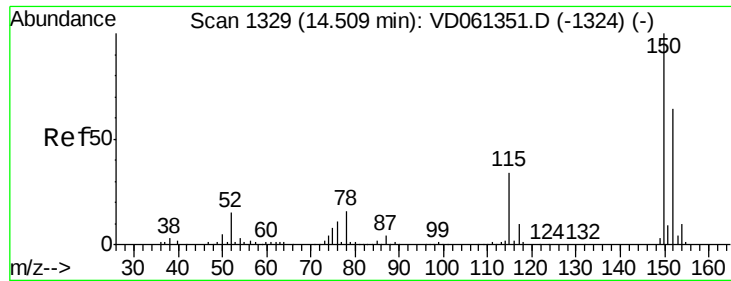
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061457.D
Acq: 31 Mar 2019 20:00

Tgt Ion: 117 Resp: 754558
Ion Ratio Lower Upper
117 100
82 47.9 34.4 51.6
119 32.1 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: VD061457.D

Acq: 31 Mar 2019 20:00

Instrument :

MSVOA_D

ClientSampled :

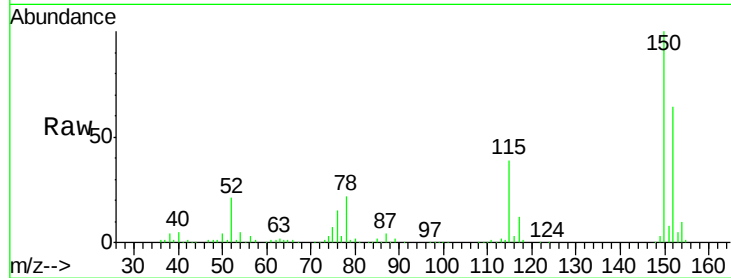
Tot Ion:152 Resp: 275532

Ion Ratio Lower Upper

152 100

115 60.9 26.9 80.6

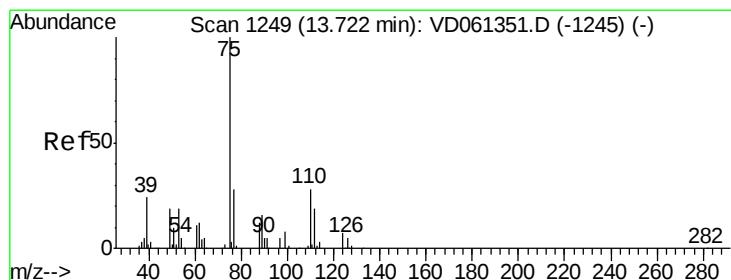
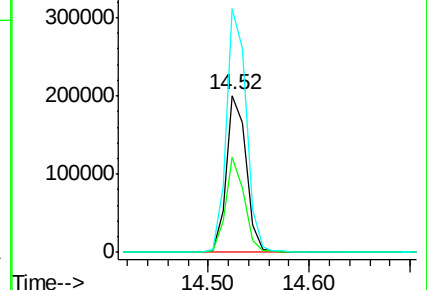
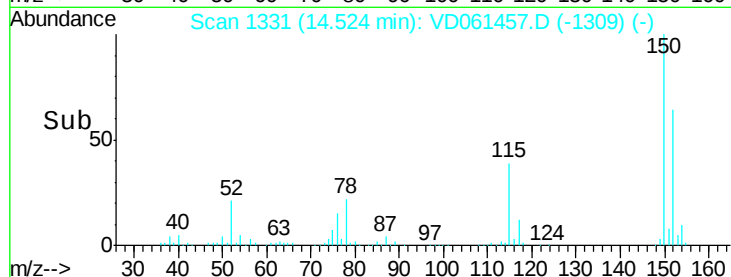
150 155.4 0.0 318.0



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: 26.484 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061457.D

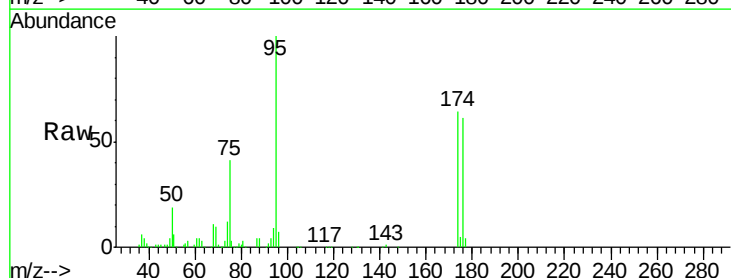
Acq: 31 Mar 2019 20:00

Tgt Ion: 75 Resp: 105410

Ion Ratio Lower Upper

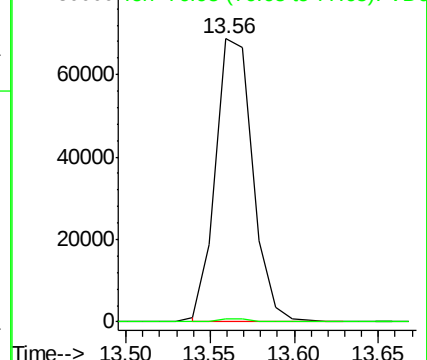
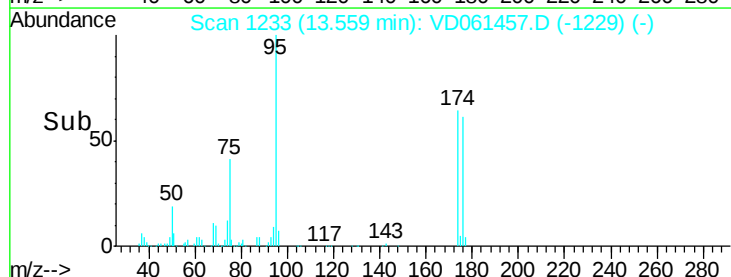
75 100

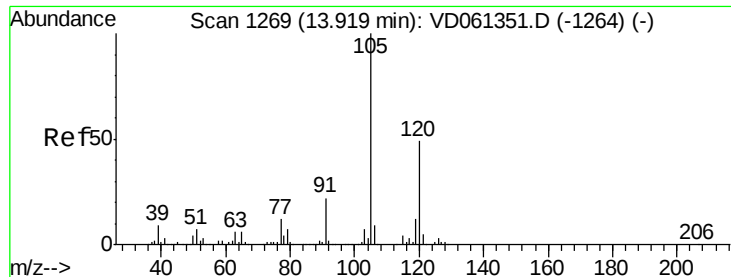
77 1.1 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#80

1,3,5-Trimethylbenzene

Concen: 1.411 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.02 min

Lab File: VD061457.D

Acq: 31 Mar 2019 20:00

Instrument :

MSVOA_D

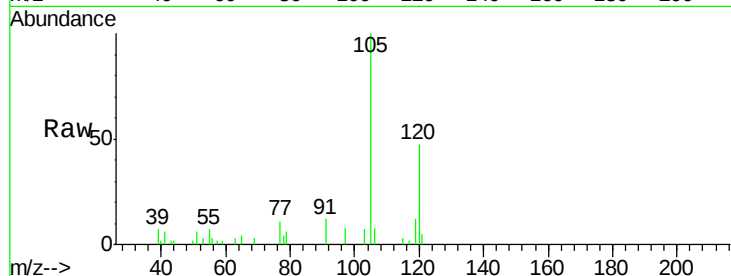
ClientSampleId :

Tot Ion:105 Resp: 20987

Ion Ratio Lower Upper

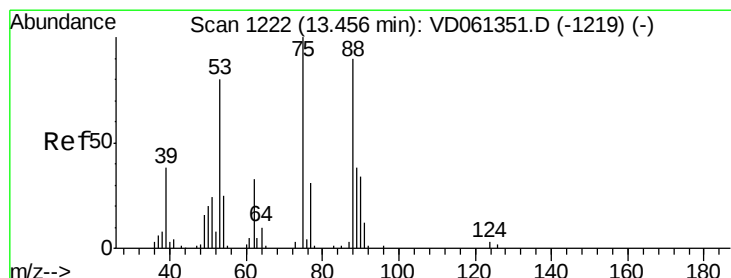
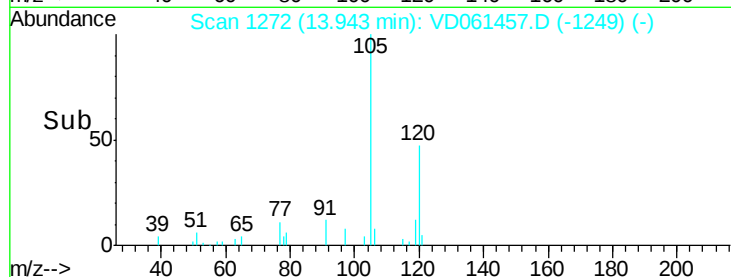
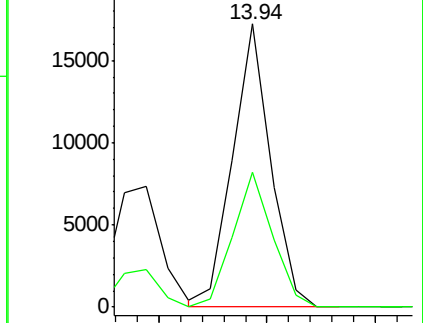
105 100

120 47.4 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 87.323 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061457.D

Acq: 31 Mar 2019 20:00

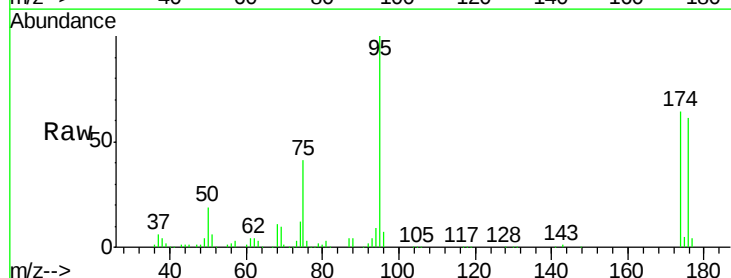
Tgt Ion: 75 Resp: 105970

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

