

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061459.D
 Acq On : 31 Mar 2019 20:55
 Operator : VA/AP
 Sample : K2131-04RE
 Misc : 7.01g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:56:19 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	534541	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	918005	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	686822	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	298458	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	219473	48.06	ug/l	0.04
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	6.95	113	307216	43.79	ug/l	0.05
Spiked Amount	50.000		Recovery	=	87.58%	
50) Toluene-d8	10.42	98	761778	45.27	ug/l	0.04
Spiked Amount	50.000		Recovery	=	90.54%	
62) 4-Bromofluorobenzene	13.56	95	290980	45.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.20%	

Target Compounds

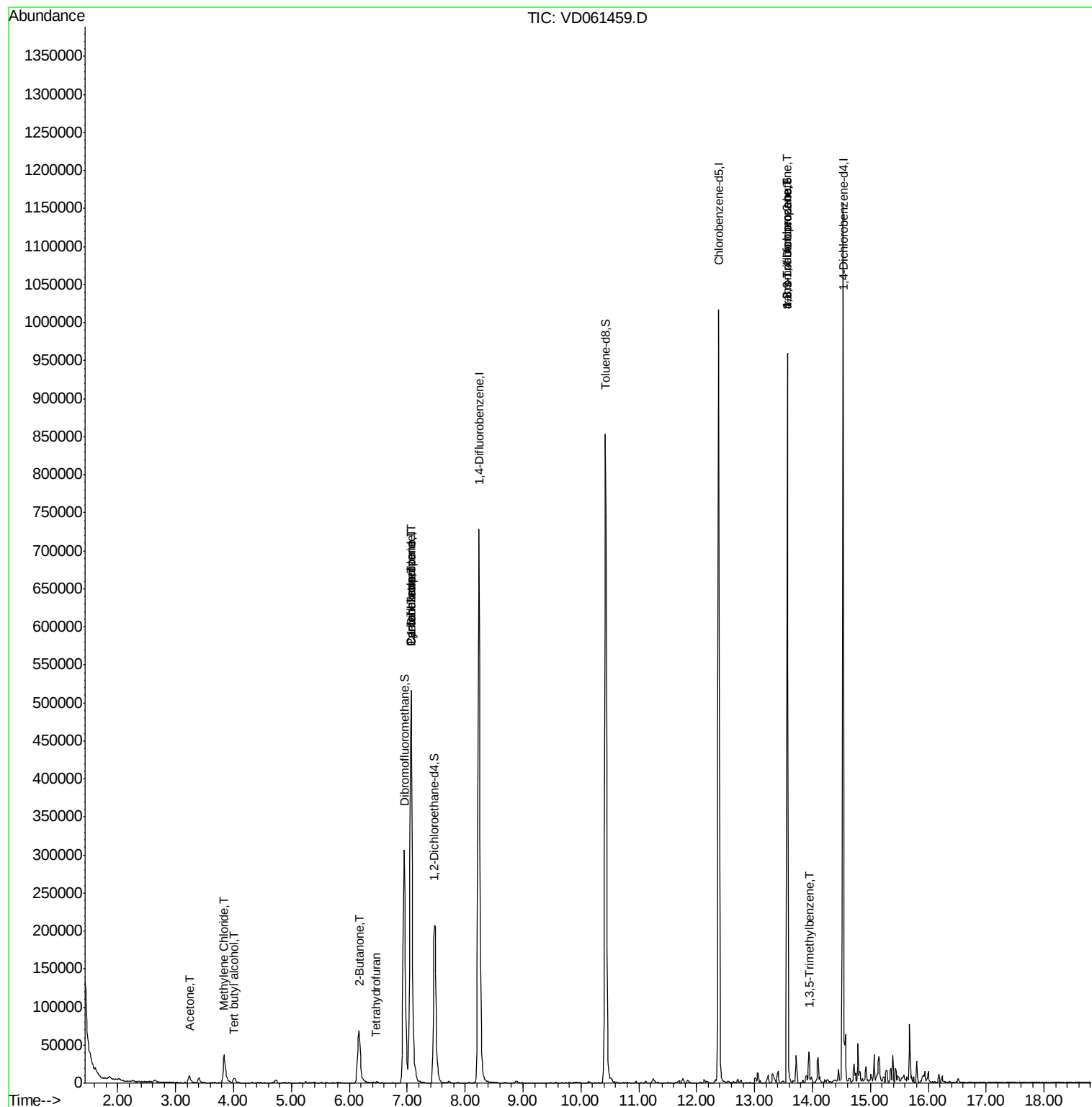
						Qvalue
11) Tert butyl alcohol	4.01	59	6636	23.336	ug/l #	76
16) Acetone	3.24	43	18497	15.758	ug/l	99
20) Methylene Chloride	3.84	84	29994	2.747	ug/l	90
25) 2-Butanone	6.16	43	3400	2.303	ug/l #	54
29) Tetrahydrofuran	6.48	42	1684	2.353	ug/l #	40
31) Cyclohexane	7.06	56	9703	1.234	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	40288	5.028	ug/l #	45
38) Carbon Tetrachloride	7.07	117	52631	5.717	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	103224	23.943	ug/l #	45
80) 1,3,5-Trimethylbenzene	13.94	105	16986	1.054	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.56	75	107941	82.114	ug/l #	18

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD033119\
Data File : VD061459.D
Acq On : 31 Mar 2019 20:55
Operator : VA/AP
Sample : K2131-04RE
Misc : 7.01g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 01 01:56:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
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: VD061459.D

Acq: 31 Mar 2019 20:55

Instrument :

MSVOA_D

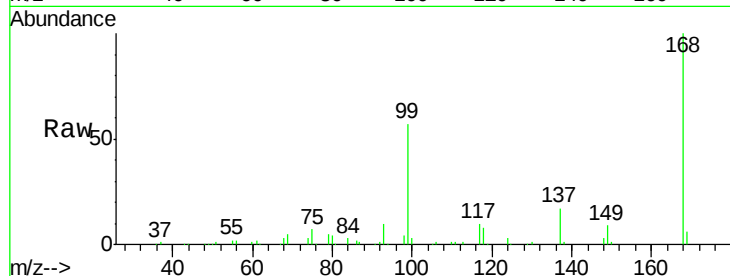
ClientSampleId :

Tot Ion:168 Resp: 534541

Ion Ratio Lower Upper

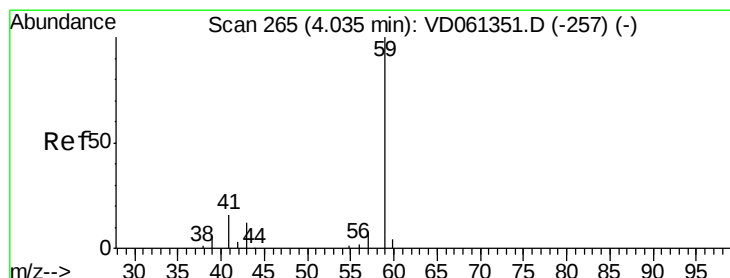
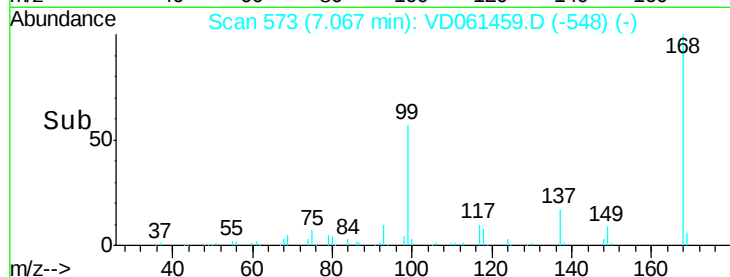
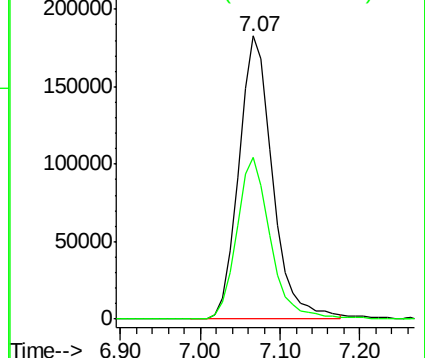
168 100

99 57.1 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: 23.336 ug/l

RT: 4.01 min Scan# 262

Delta R.T. -0.03 min

Lab File: VD061459.D

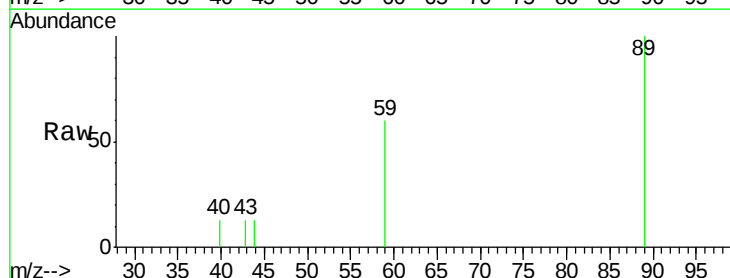
Acq: 31 Mar 2019 20:55

Tgt Ion: 59 Resp: 6636

Ion Ratio Lower Upper

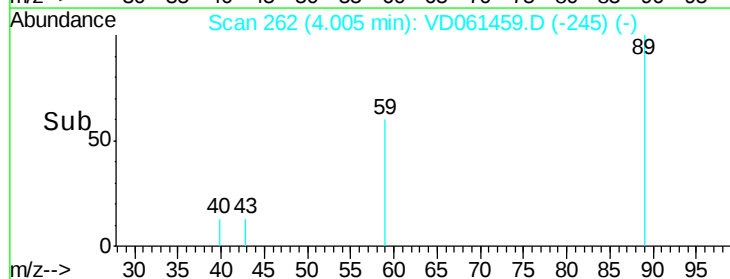
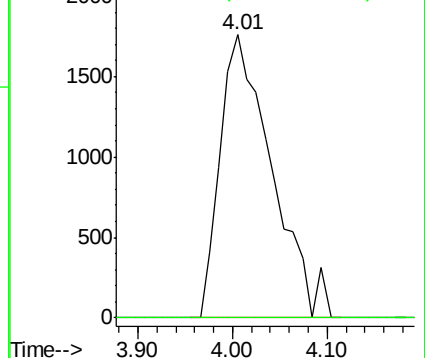
59 100

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: 15.758 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061459.D

Acq: 31 Mar 2019 20:55

Instrument :

MSVOA_D

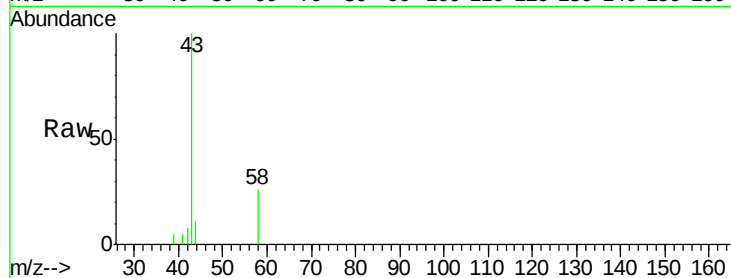
ClientSampleId :

Tot Ion: 43 Resp: 18497

Ion Ratio Lower Upper

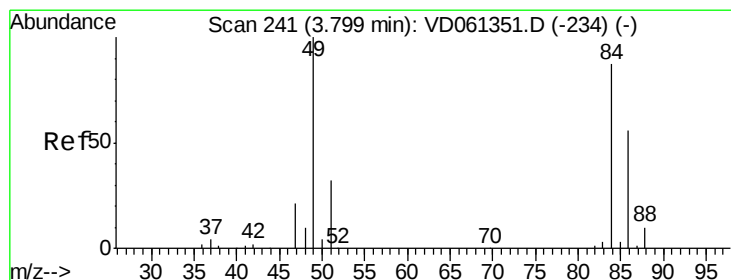
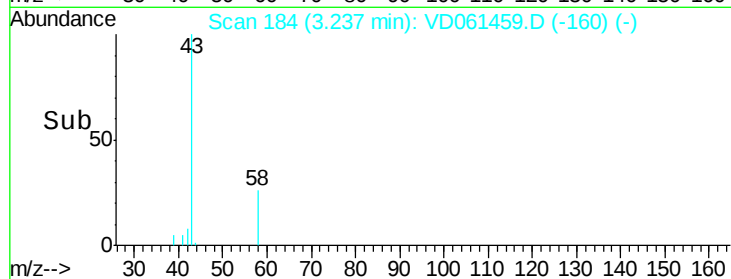
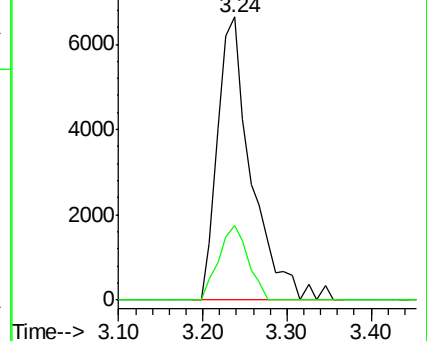
43 100

58 26.2 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: 2.747 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD061459.D

Acq: 31 Mar 2019 20:55

Tgt Ion: 84 Resp: 29994

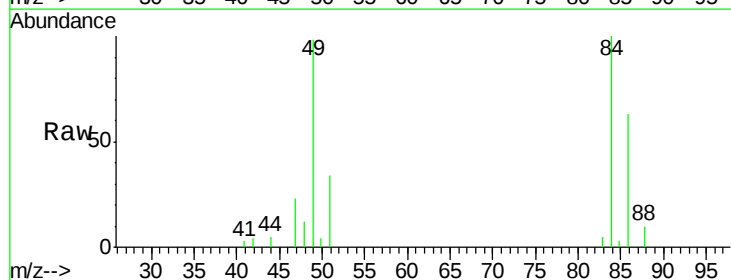
Ion Ratio Lower Upper

84 100

49 98.1 91.8 137.8

51 34.1 29.8 44.8

86 62.8 51.8 77.6

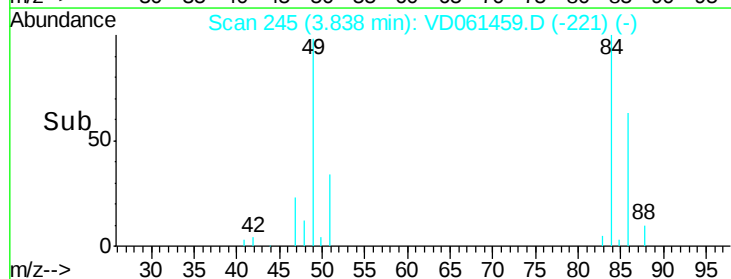
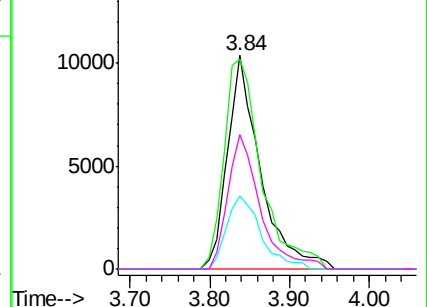


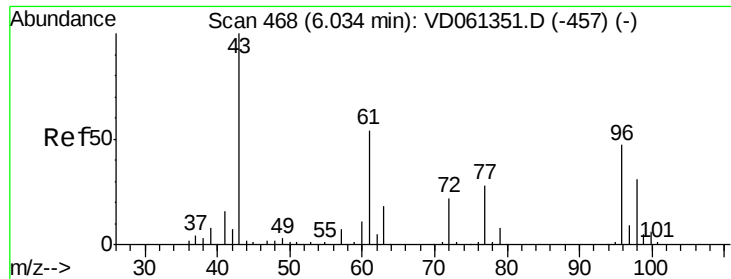
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.303 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.13 min

Lab File: VD061459.D

Acq: 31 Mar 2019 20:55

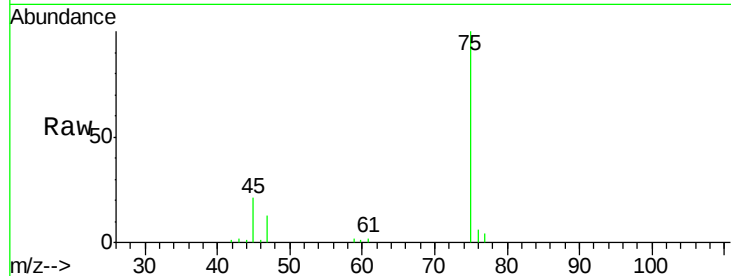
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3400

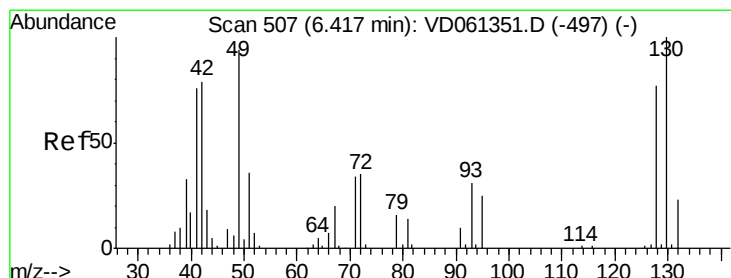
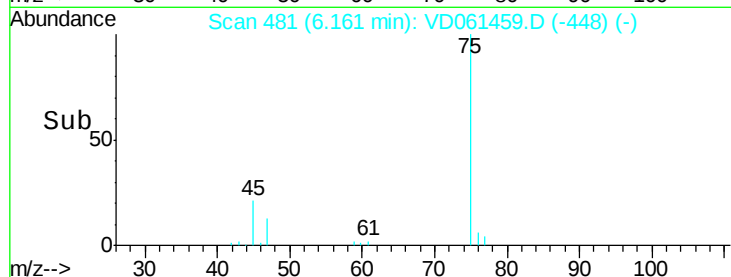
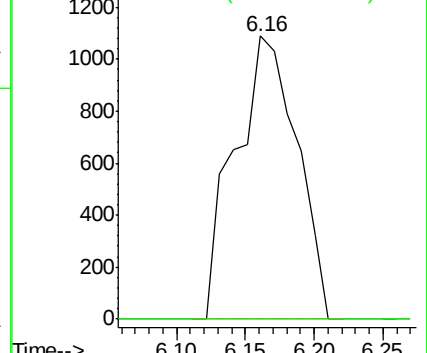
Ion Ratio Lower Upper

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



#29

Tetrahydrofuran

Concen: 2.353 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.06 min

Lab File: VD061459.D

Acq: 31 Mar 2019 20:55

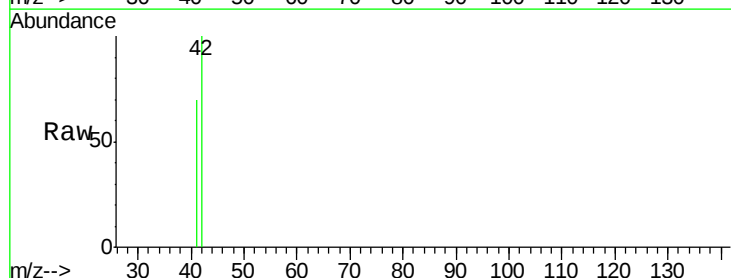
Tgt Ion: 42 Resp: 1684

Ion Ratio Lower Upper

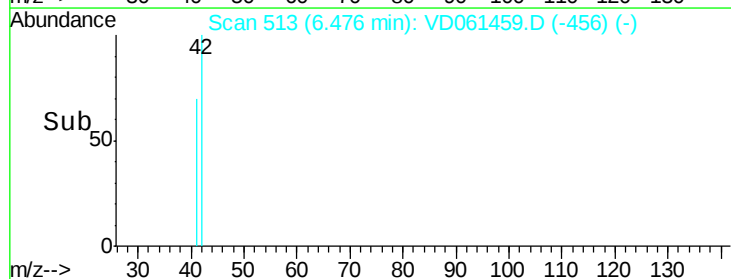
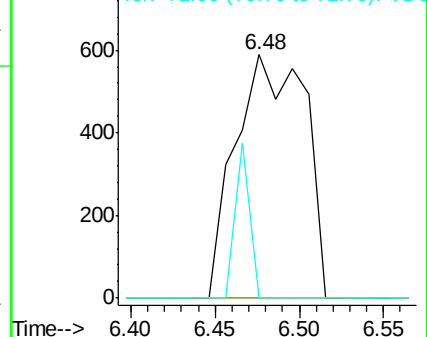
42 100

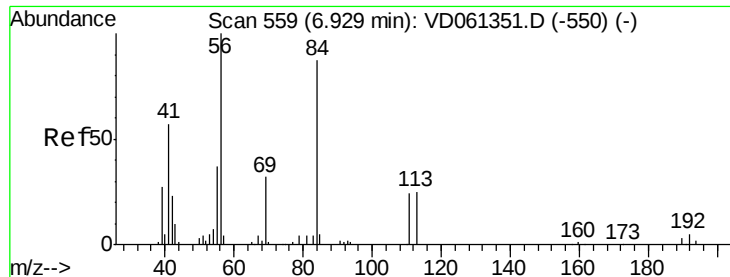
72 0.0 37.4 56.0#

71 13.2 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

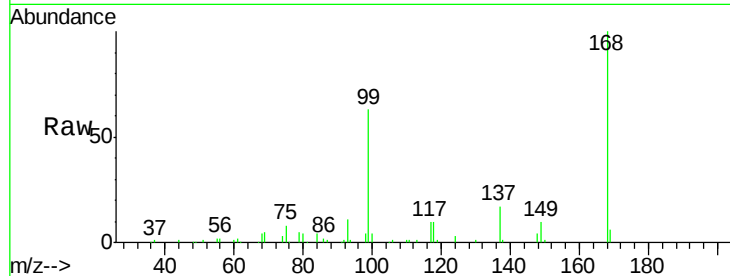




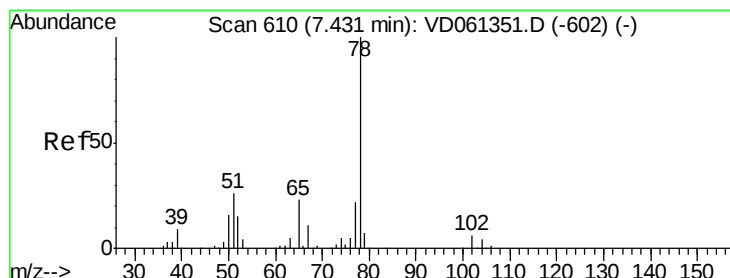
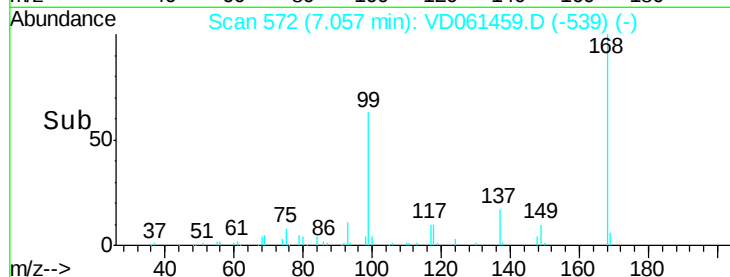
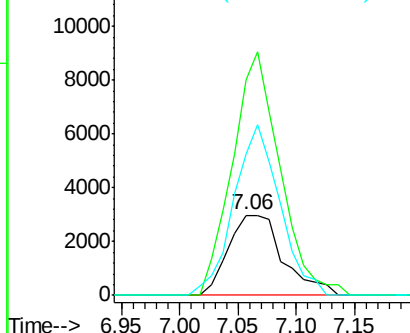
#31
Cvclohexane
Concen: 1.234 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.13 min
Lab File: VD061459.D
Acq: 31 Mar 2019 20:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9703
Ion Ratio Lower Upper
56 100
69 269.7 25.7 38.5#
84 176.7 70.6 105.8#

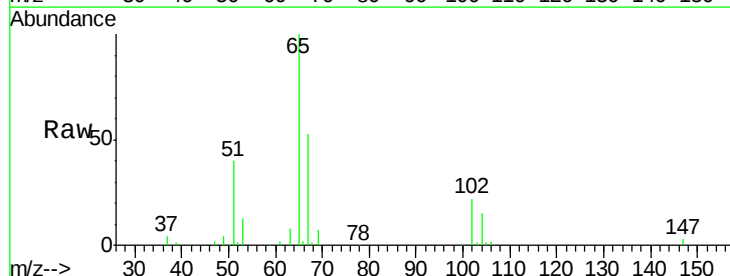


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

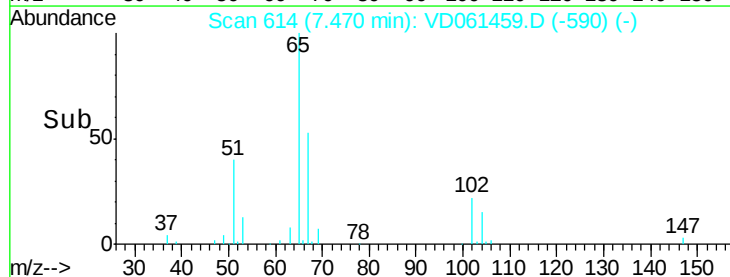
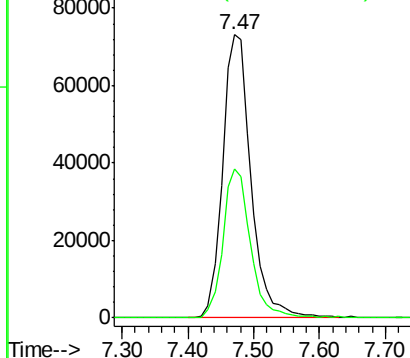


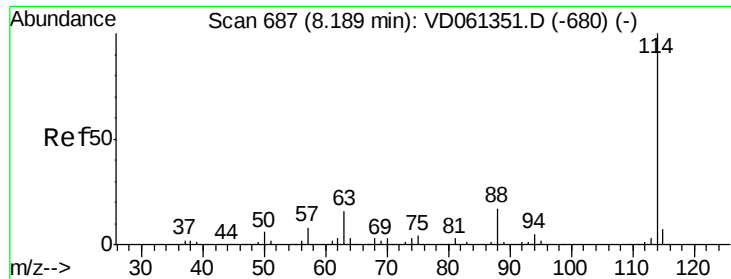
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD061459.D
Acq: 31 Mar 2019 20:55

Tgt Ion: 65 Resp: 219473
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.8



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

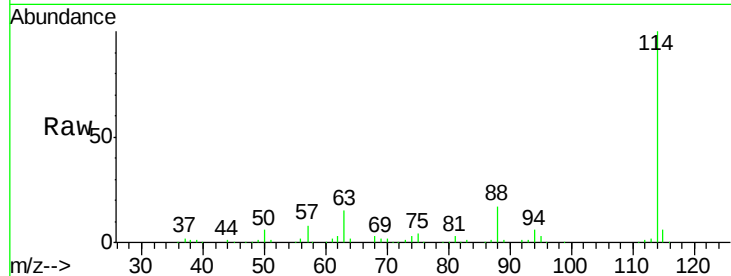




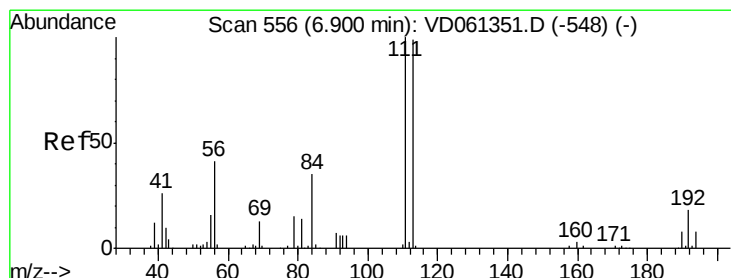
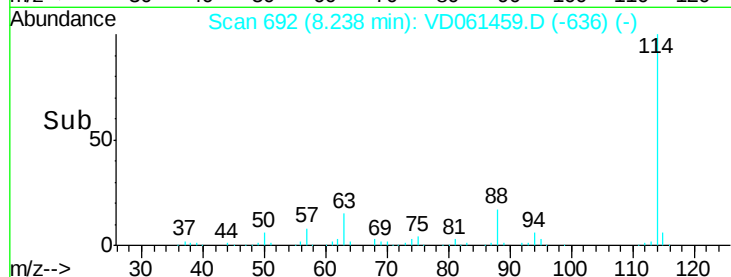
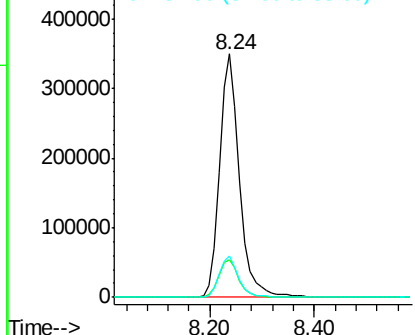
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD061459.D
 Acq: 31 Mar 2019 20:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 918005
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.6
 88 17.0 0.0 33.4

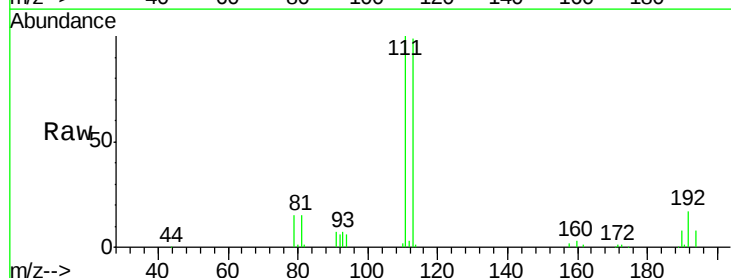


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

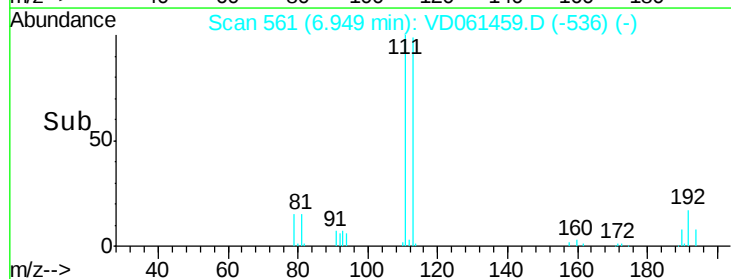
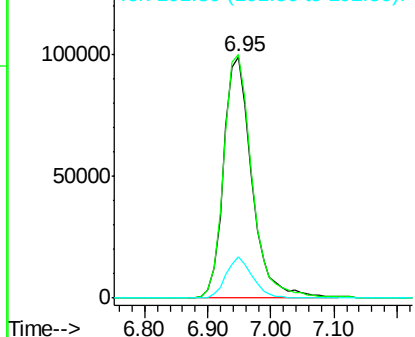


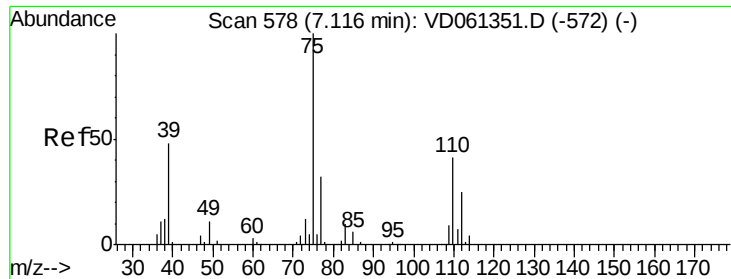
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD061459.D
 Acq: 31 Mar 2019 20:55

Tgt Ion:113 Resp: 307216
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.0 121.6
 192 17.4 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

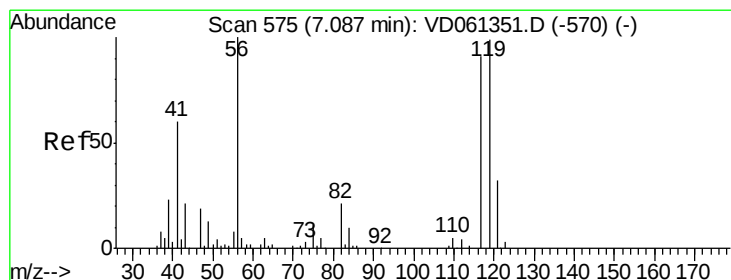
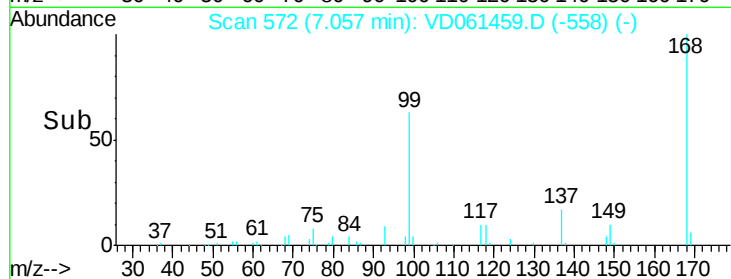
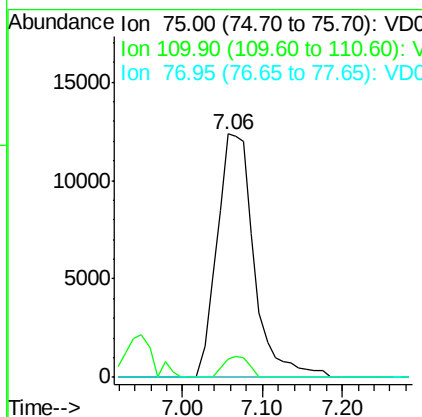
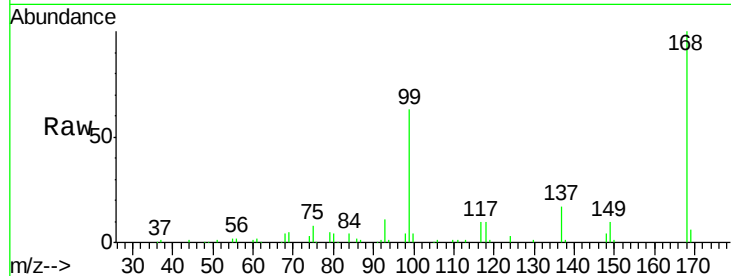




#36
 1,1-Dichloropropene
 Concen: 5.028 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD061459.D
 Acq: 31 Mar 2019 20:55

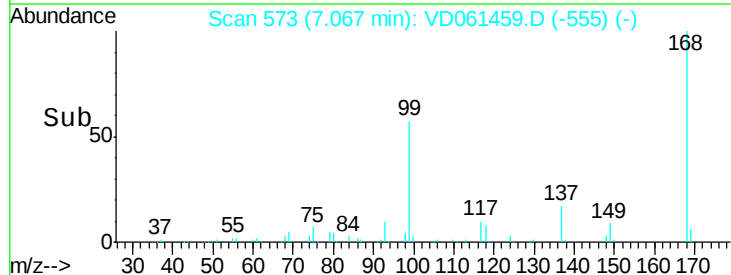
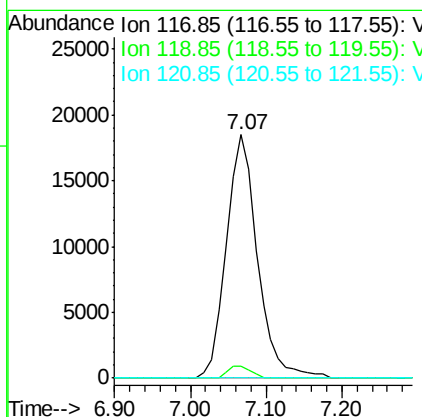
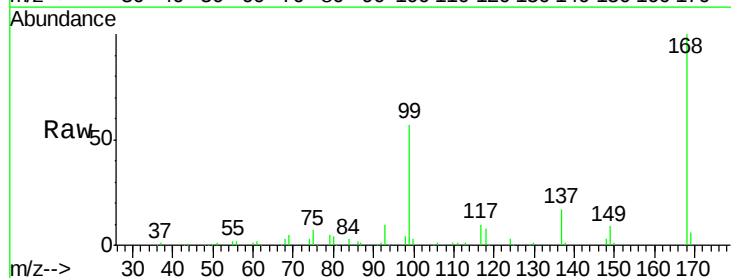
Instrument :
 MSVOA_D
 ClientSampleId :

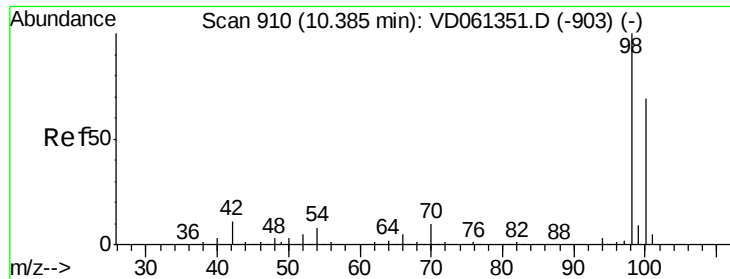
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	20.4	61.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.717 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD061459.D
 Acq: 31 Mar 2019 20:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	80.1	120.1#
121	0.0	25.6	38.4#

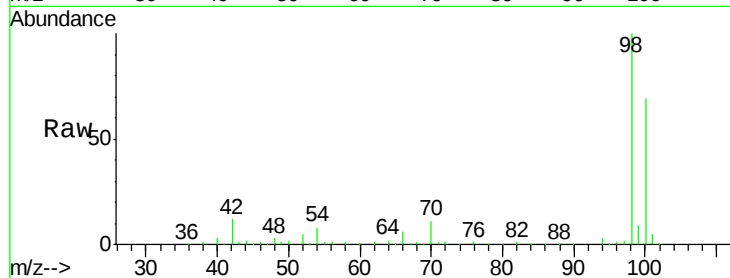




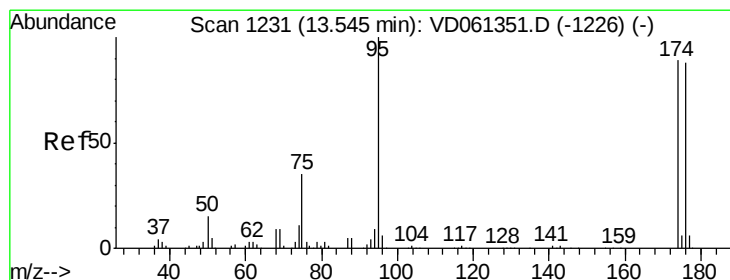
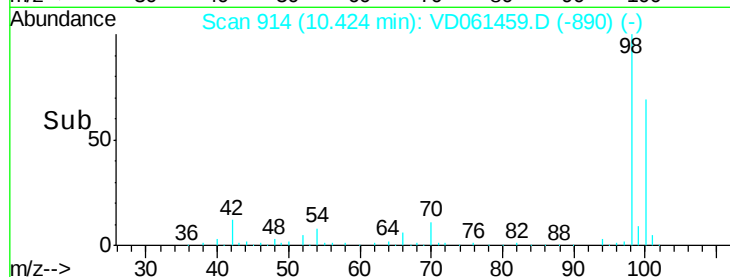
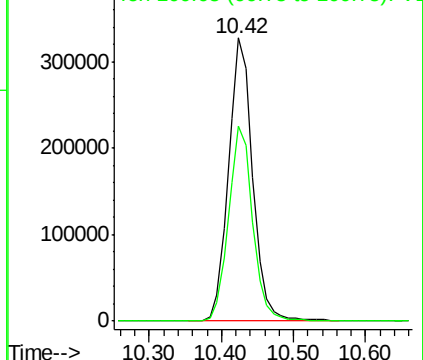
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061459.D
Acq: 31 Mar 2019 20:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 761778
Ion Ratio Lower Upper
98 100
100 68.9 56.2 84.2

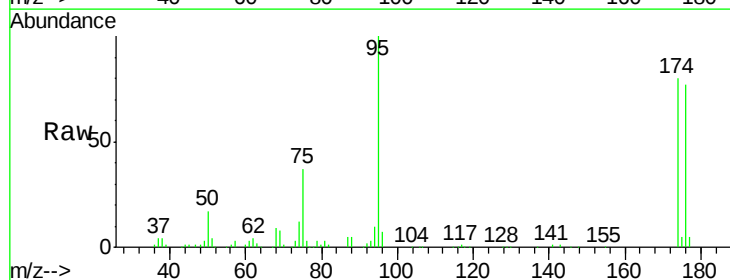


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

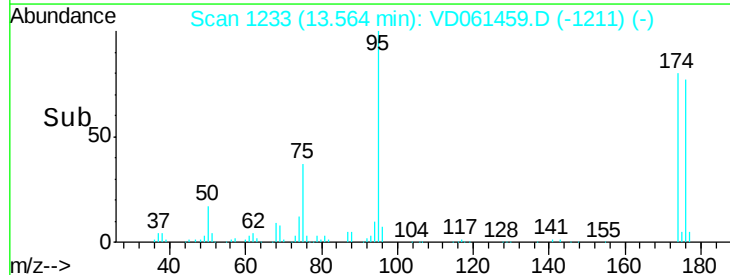
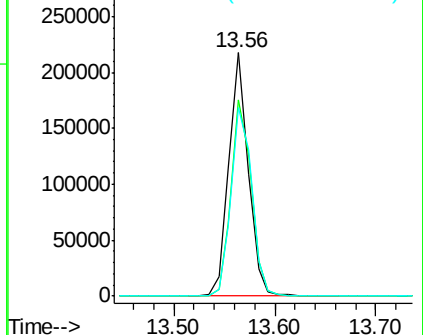


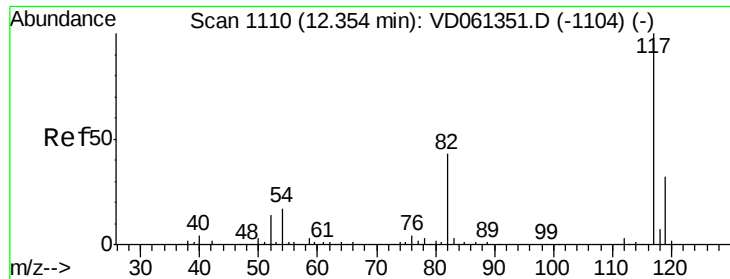
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD061459.D
Acq: 31 Mar 2019 20:55

Tgt Ion: 95 Resp: 290980
Ion Ratio Lower Upper
95 100
174 80.4 0.0 178.0
176 77.4 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

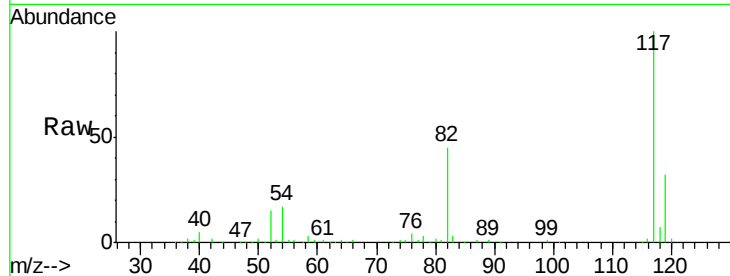




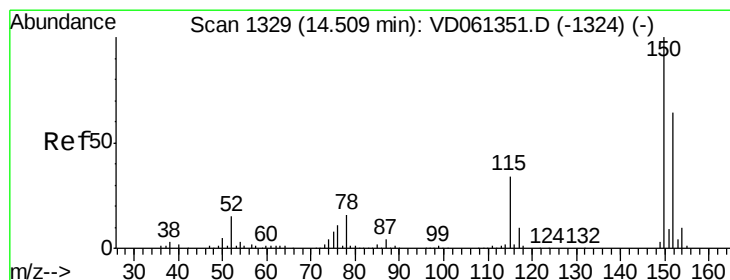
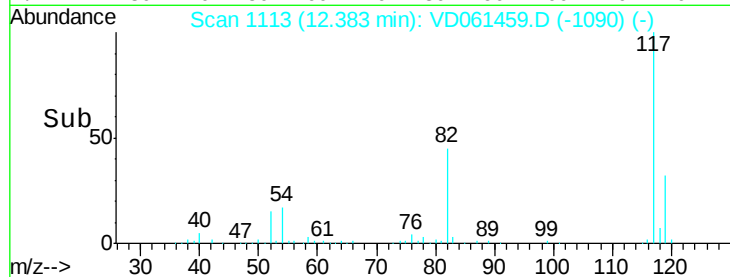
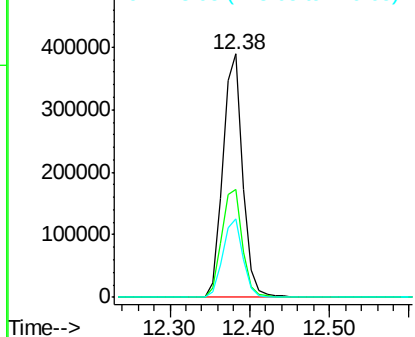
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD061459.D
Acq: 31 Mar 2019 20:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 686822
Ion Ratio Lower Upper
117 100
82 44.5 34.4 51.6
119 32.2 25.8 38.6

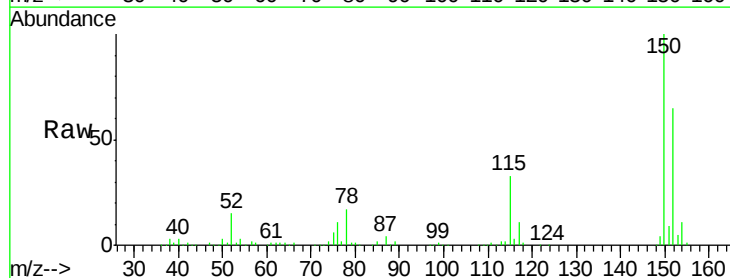


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

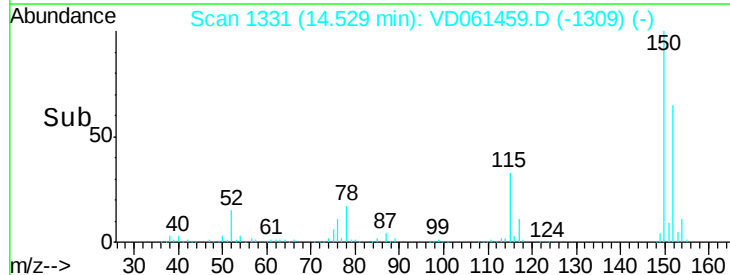
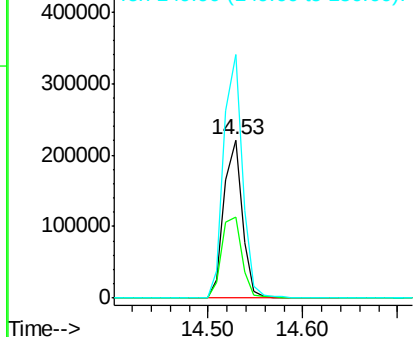


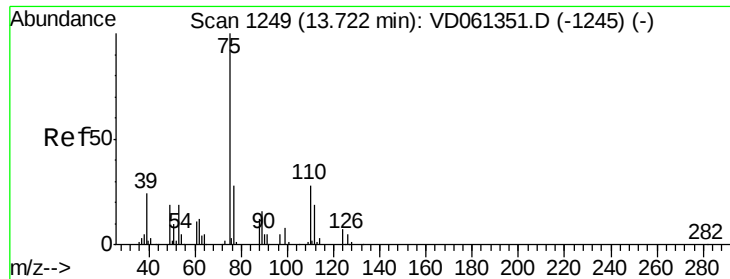
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061459.D
Acq: 31 Mar 2019 20:55

Tgt Ion:152 Resp: 298458
Ion Ratio Lower Upper
152 100
115 51.7 26.9 80.6
150 154.2 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

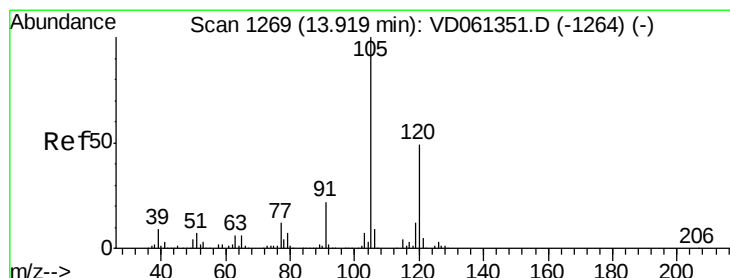
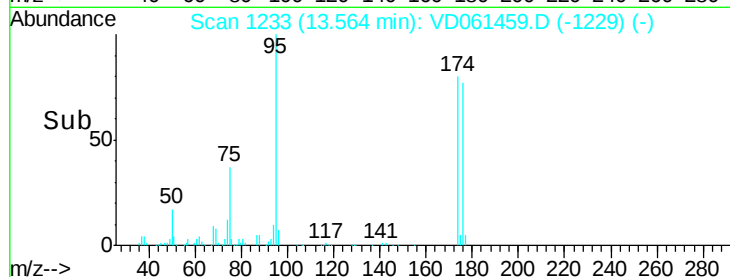
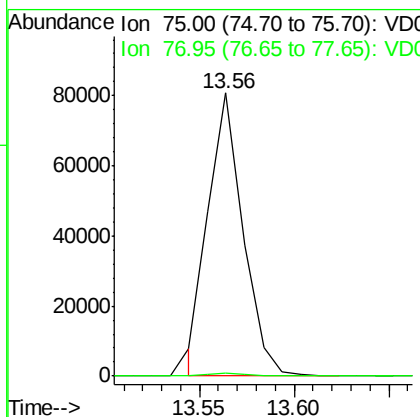
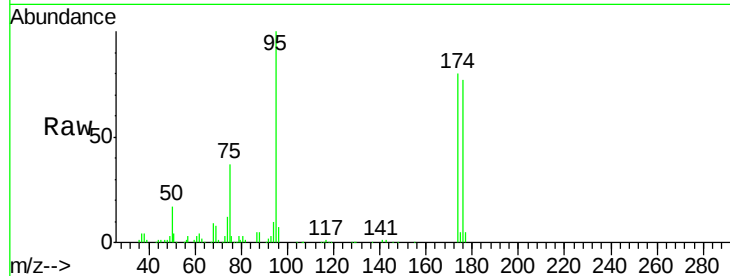




#76
 1,2,3-Trichloropropane
 Concen: 23.943 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD061459.D
 Acq: 31 Mar 2019 20:55

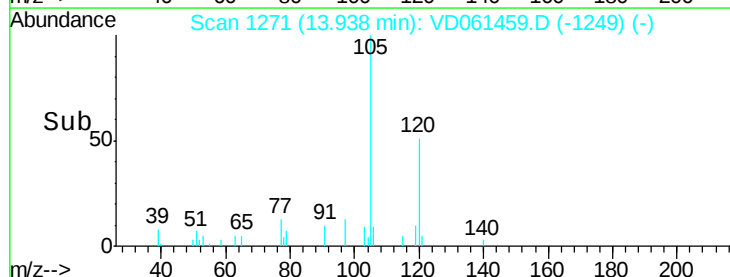
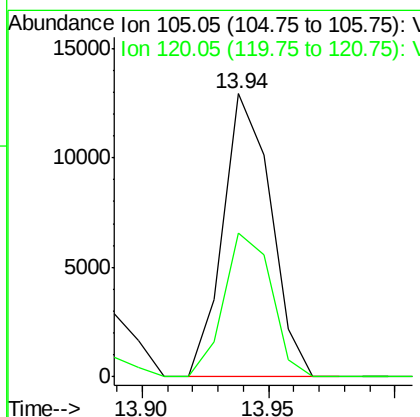
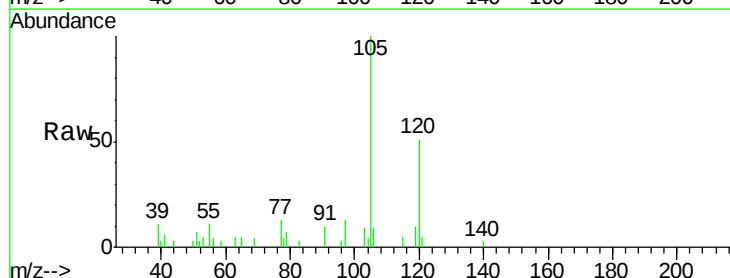
Instrument :
 MSVOA_D
 ClientSampleId :

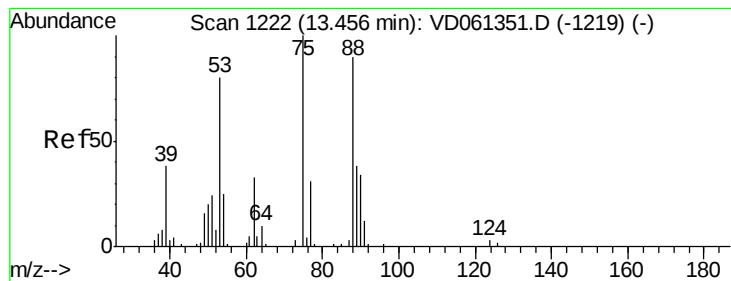
Tot Ion: 75 Resp: 103224
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.2 48.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.054 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.02 min
 Lab File: VD061459.D
 Acq: 31 Mar 2019 20:55

Tgt Ion: 105 Resp: 16986
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 82.114 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061459.D

Acq: 31 Mar 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

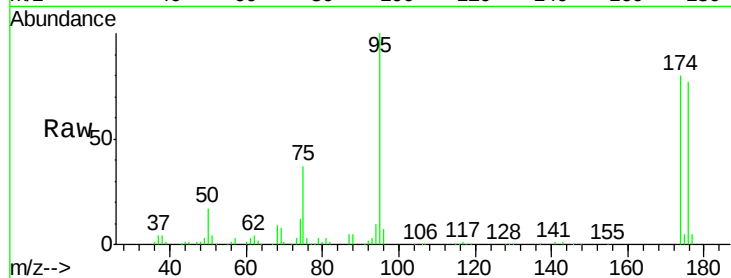
Tot Ion: 75 Resp: 107941

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

