

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061534.D
 Acq On : 3 Apr 2019 2:43
 Operator : VA/AP
 Sample : VD0402SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 04:54:51 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

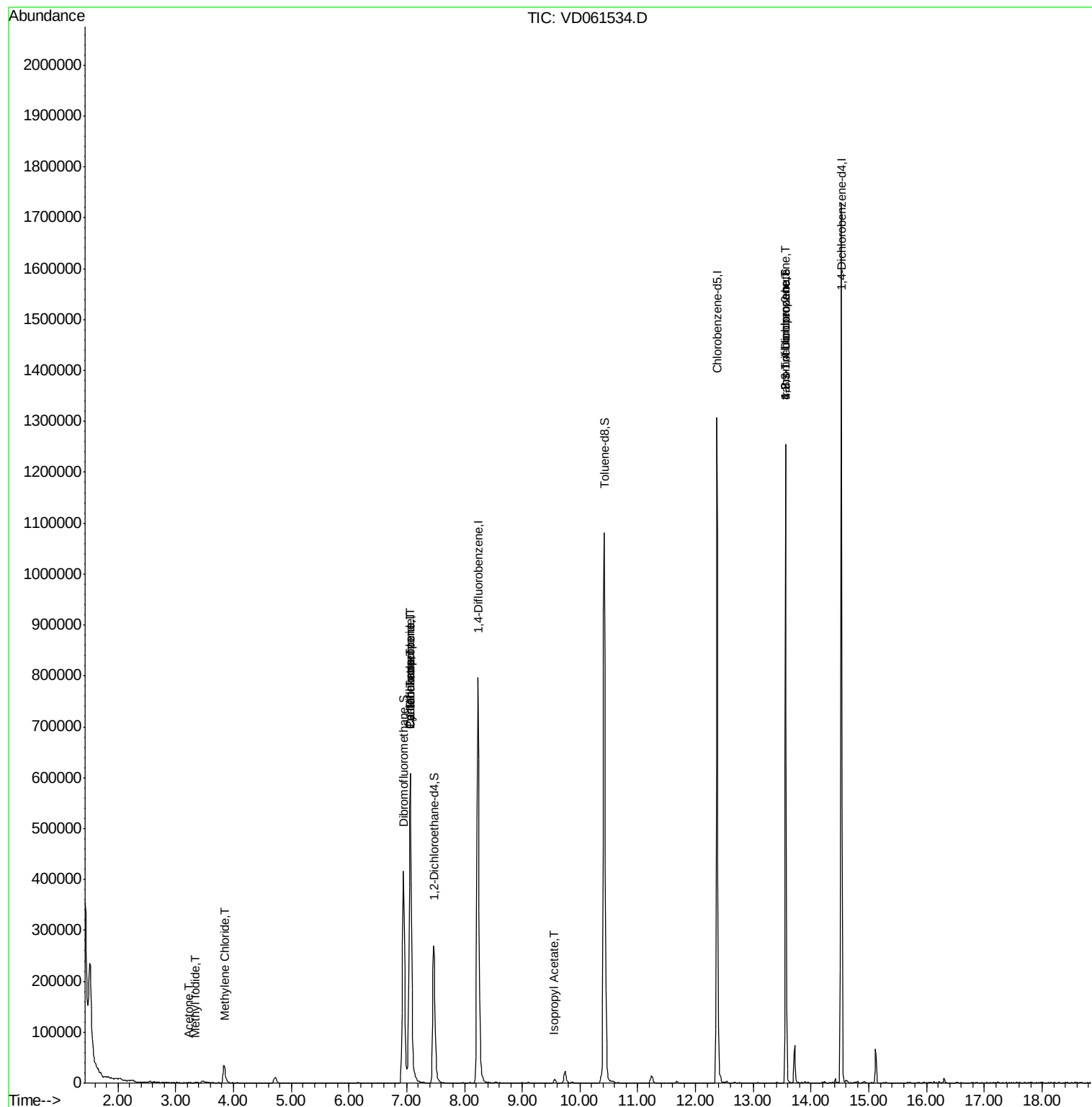
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	649612	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1053261	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	830306	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	410077	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	280801	50.60	ug/l	0.03
Spiked Amount 50.000			Recovery	=	101.20%	
35) Dibromofluoromethane	6.94	113	415134	51.58	ug/l	0.04
Spiked Amount 50.000			Recovery	=	103.16%	
50) Toluene-d8	10.42	98	969770	50.23	ug/l	0.03
Spiked Amount 50.000			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	13.56	95	378906	51.18	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.36%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.33	142	570	3.509	ug/l #	38
16) Acetone	3.23	43	1570	1.101	ug/l #	48
20) Methylene Chloride	3.84	84	27233	1.547	ug/l #	91
31) Cyclohexane	7.06	56	10343	1.082	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	48704	5.298	ug/l #	47
38) Carbon Tetrachloride	7.06	117	63322	5.995	ug/l #	14
43) Isopropyl Acetate	9.55	43	6191	1.082	ug/l #	42
76) 1,2,3-Trichloropropane	13.56	75	132946	22.443	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	139160	77.049	ug/l #	18

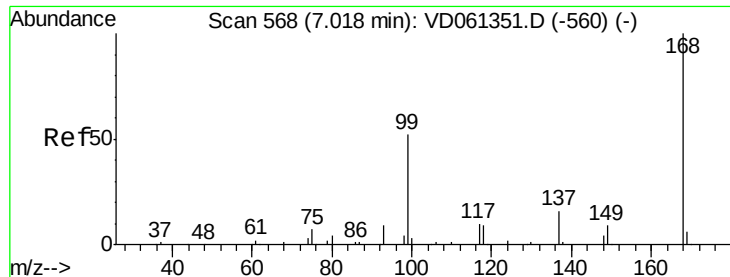
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
Data File : VD061534.D
Acq On : 3 Apr 2019 2:43
Operator : VA/AP
Sample : VD0402SBL02
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 03 04:54:51 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: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD061534.D

Acq: 3 Apr 2019 2:43

Instrument :

MSVOA_D

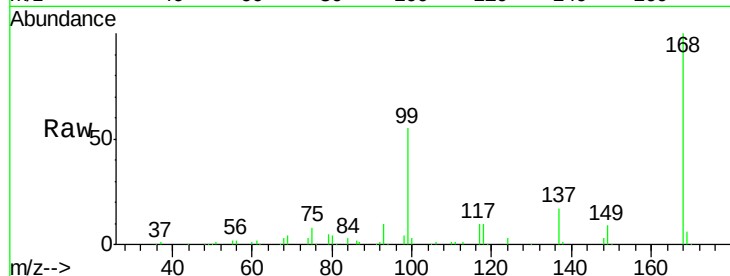
ClientSampleId :

Tot Ion:168 Resp: 649612

Ion Ratio Lower Upper

168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

250000

200000

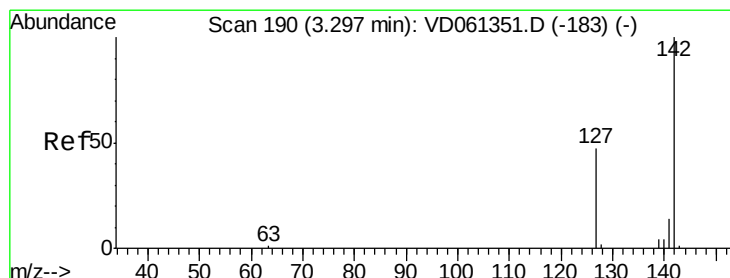
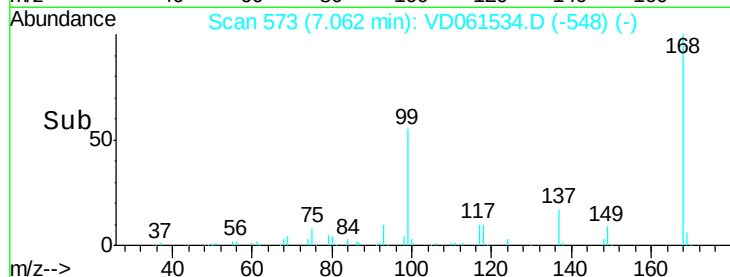
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.509 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD061534.D

Acq: 3 Apr 2019 2:43

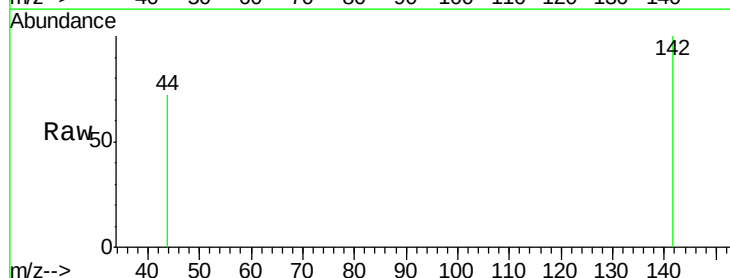
Tgt Ion:142 Resp: 570

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

800

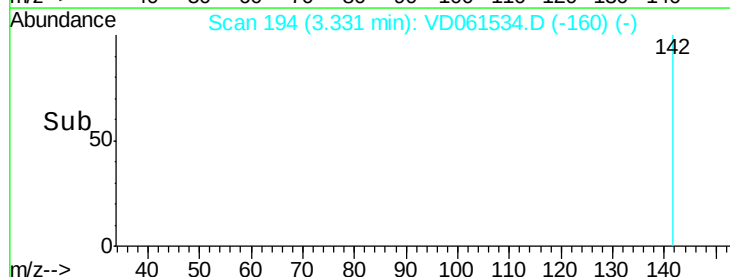
600

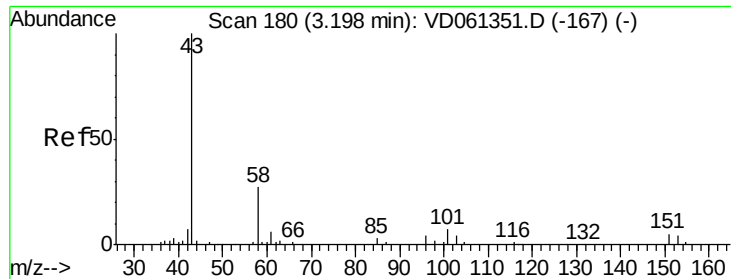
400

200

0

Time--> 3.30 3.32 3.34 3.36





#16

Acetone

Concen: 1.101 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD061534.D

Acq: 3 Apr 2019 2:43

Instrument :

MSVOA_D

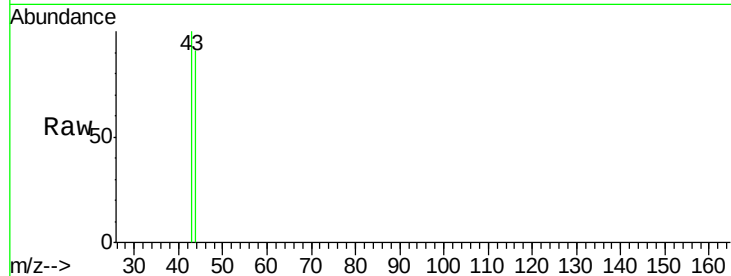
ClientSampleId :

Tot Ion: 43 Resp: 1570

Ion Ratio Lower Upper

43 100

58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

800

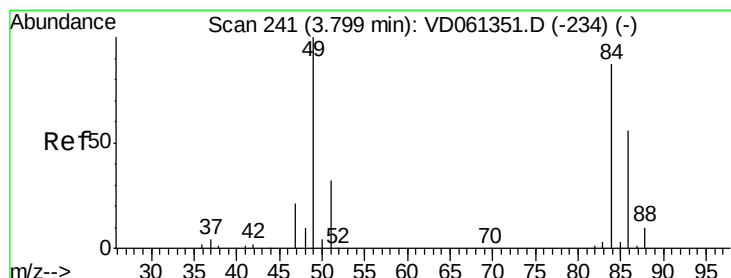
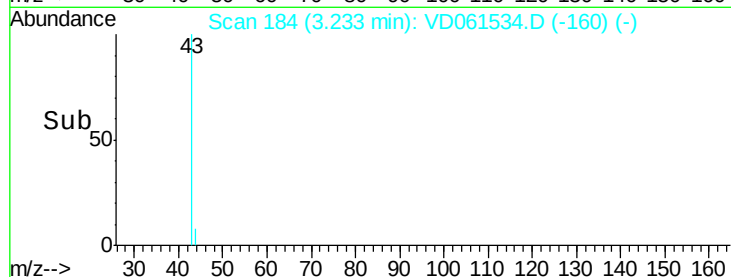
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 1.547 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD061534.D

Acq: 3 Apr 2019 2:43

Tgt Ion: 84 Resp: 27233

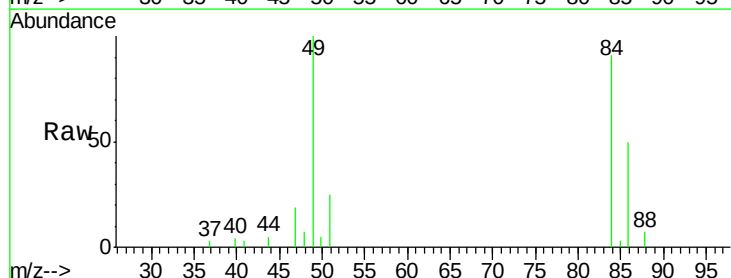
Ion Ratio Lower Upper

84 100

49 109.7 91.8 137.8

51 27.5 29.8 44.8#

86 55.3 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

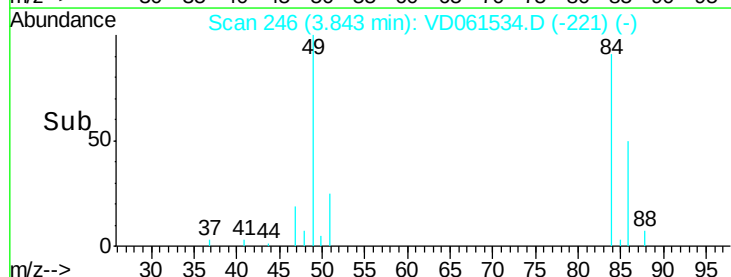
15000

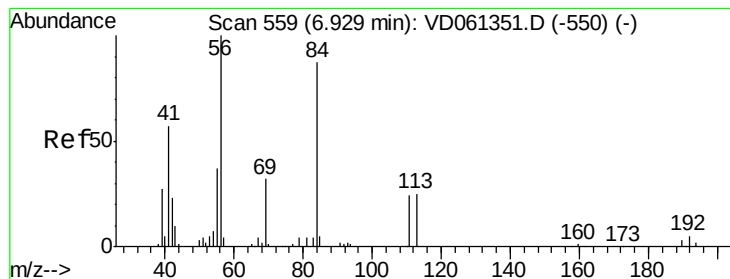
10000

5000

0

Time-->





#31

Cyclohexane

Concen: 1.082 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD061534.D

Acq: 3 Apr 2019 2:43

Instrument :

MSVOA_D

ClientSampleId :

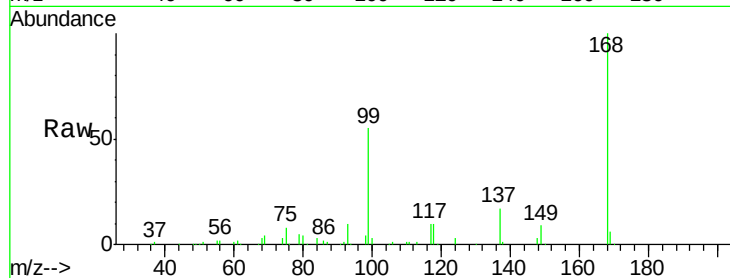
Tot Ion: 56 Resp: 10343

Ion Ratio Lower Upper

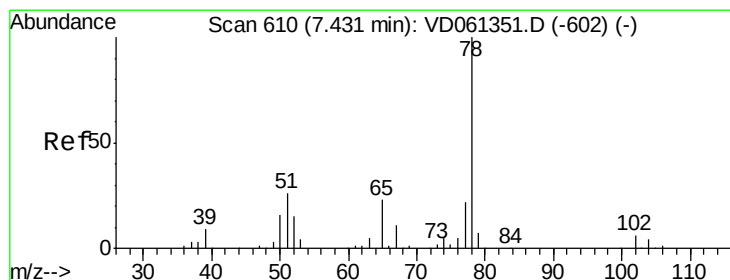
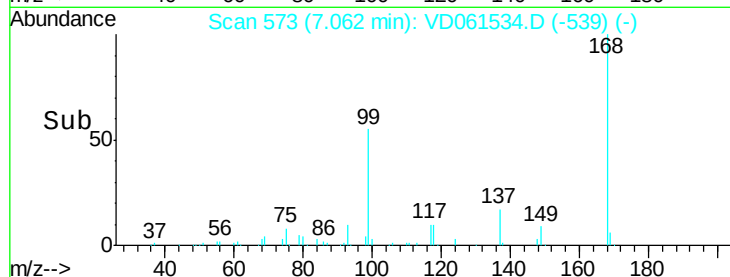
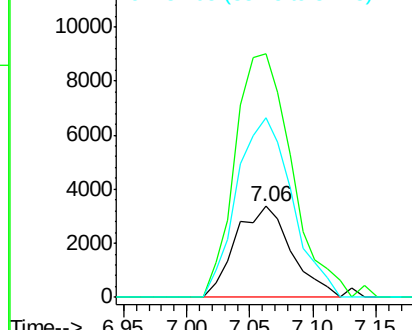
56 100

69 267.4 25.7 38.5#

84 197.6 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. 0.03 min

Lab File: VD061534.D

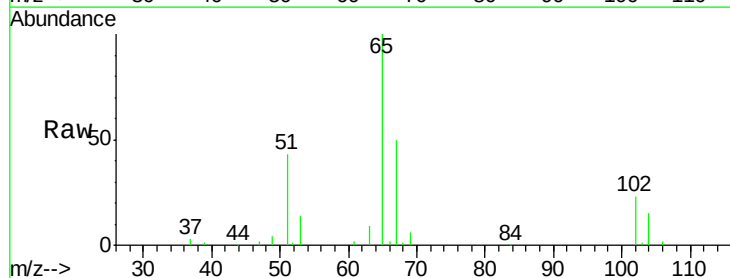
Acq: 3 Apr 2019 2:43

Tgt Ion: 65 Resp: 280801

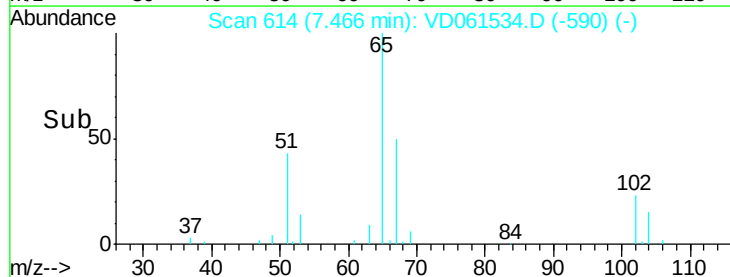
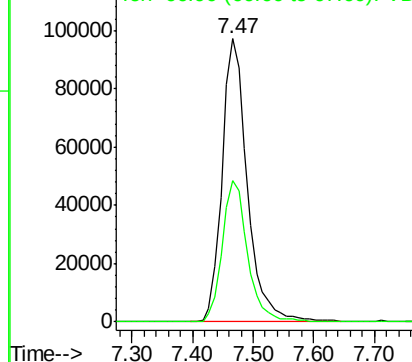
Ion Ratio Lower Upper

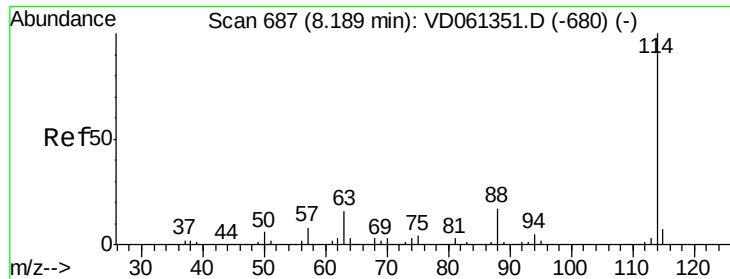
65 100

67 50.1 0.0 99.8



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

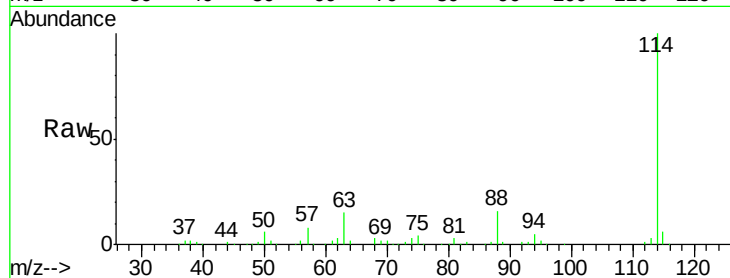




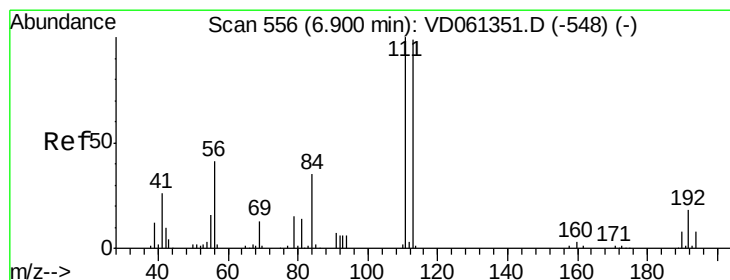
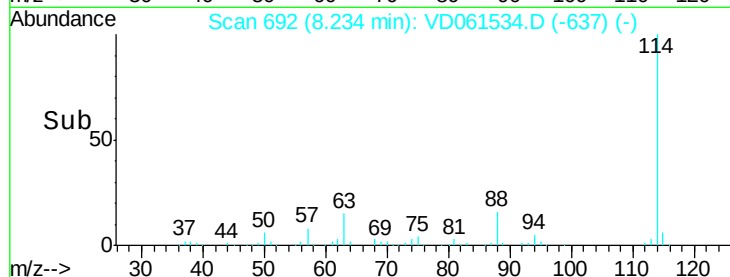
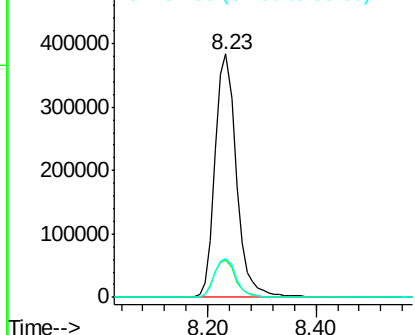
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD061534.D
 Acq: 3 Apr 2019 2:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1053261
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.6
 88 16.1 0.0 33.4

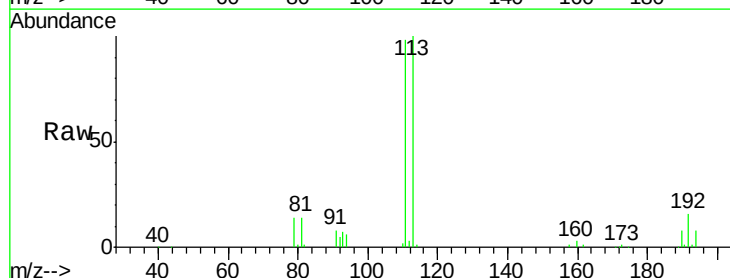


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

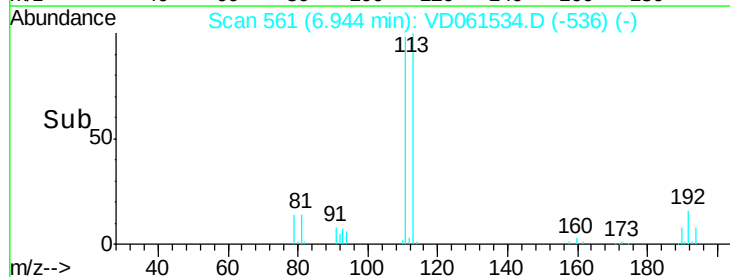
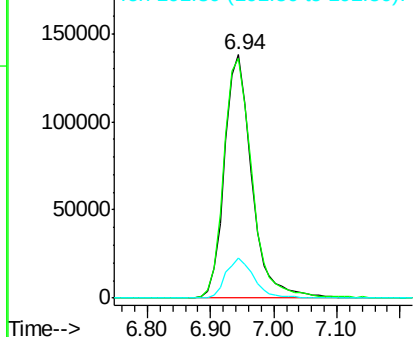


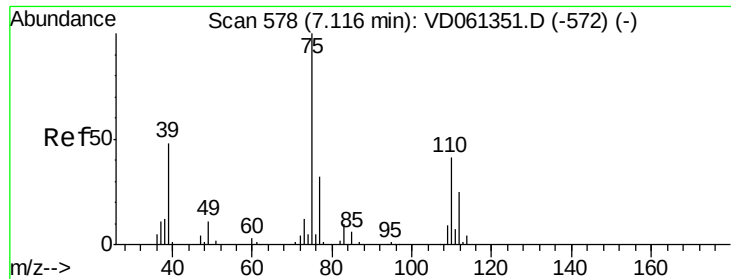
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.04 min
 Lab File: VD061534.D
 Acq: 3 Apr 2019 2:43

Tgt Ion:113 Resp: 415134
 Ion Ratio Lower Upper
 113 100
 111 98.4 81.0 121.6
 192 16.3 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

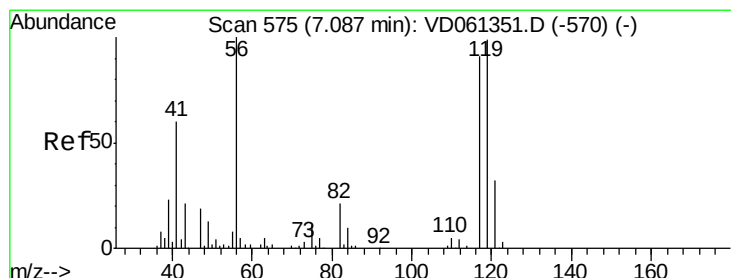
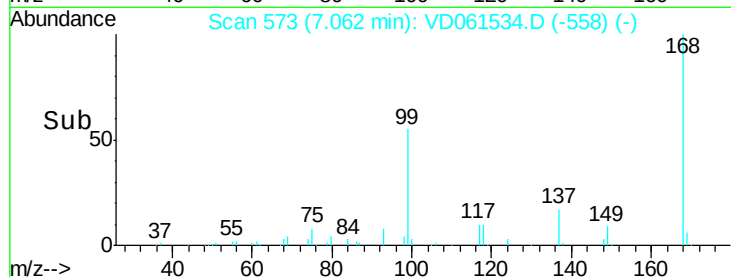
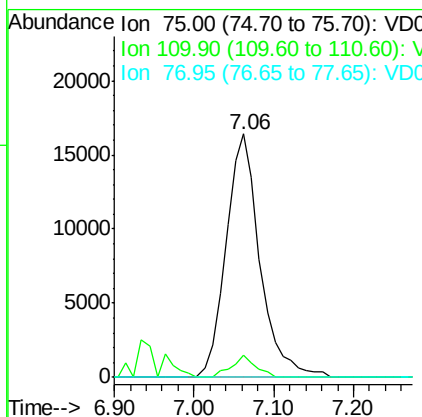
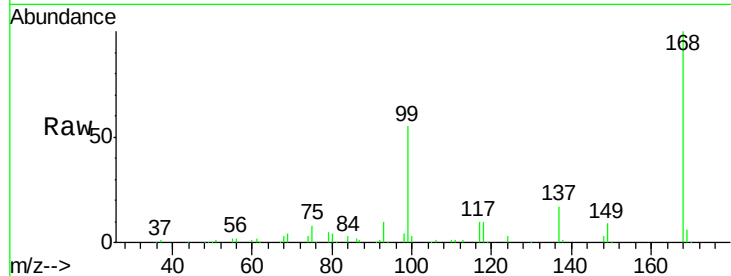




#36
 1,1-Dichloropropene
 Concen: 5.298 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061534.D
 Acq: 3 Apr 2019 2:43

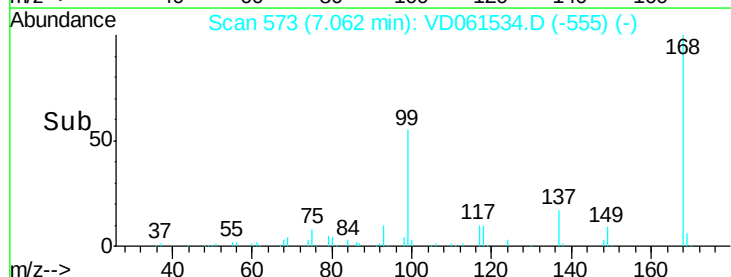
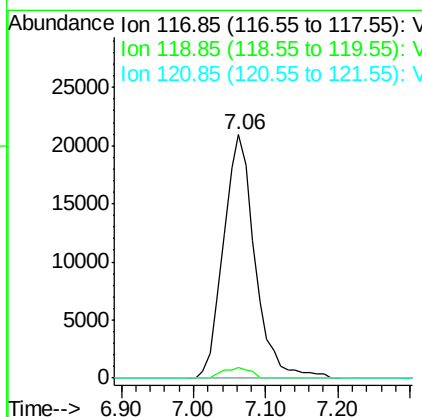
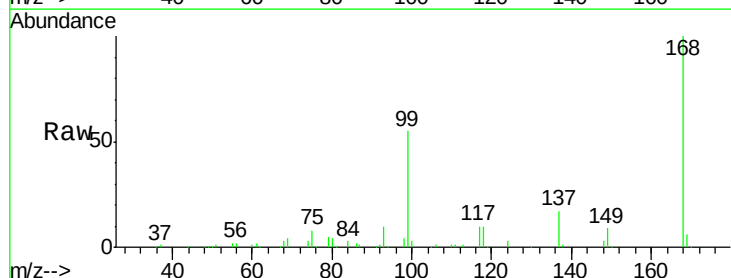
Instrument :
 MSVOA_D
 ClientSampleID :

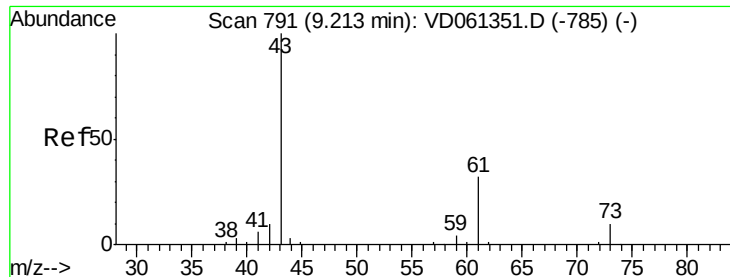
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	20.4	61.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.995 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD061534.D
 Acq: 3 Apr 2019 2:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	80.1	120.1#
121	0.0	25.6	38.4#





#43

Isopropyl Acetate

Concen: 1.082 ug/l

RT: 9.55 min Scan# 826

Delta R.T. 0.34 min

Lab File: VD061534.D

Acq: 3 Apr 2019 2:43

Instrument :

MSVOA_D

ClientSampleId :

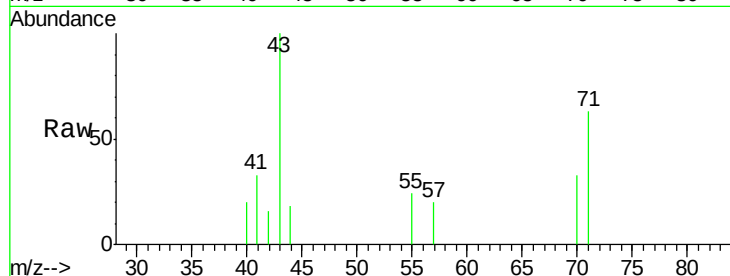
Tot Ion: 43 Resp: 6191

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

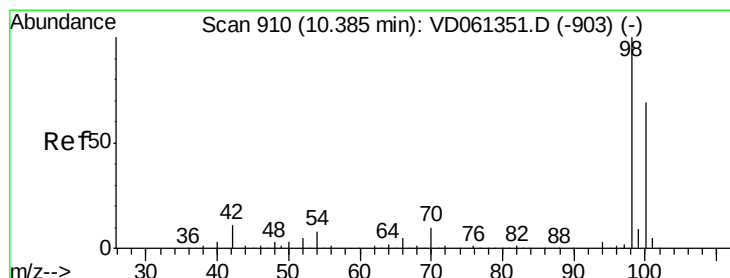
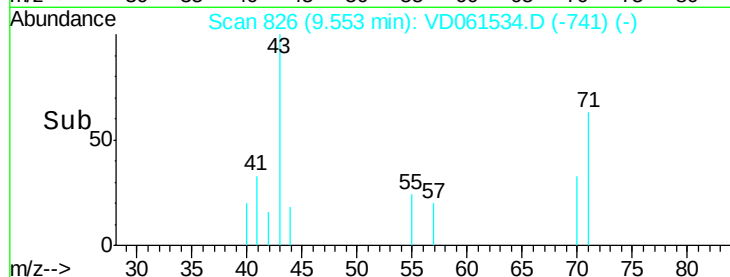
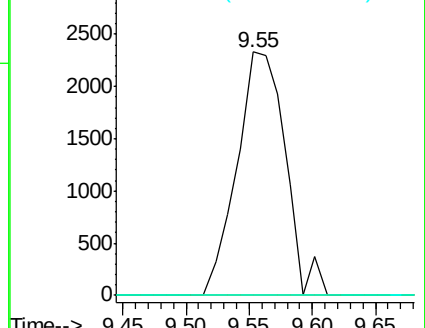
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061534.D

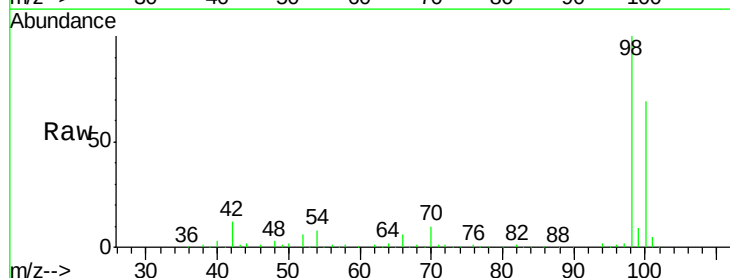
Acq: 3 Apr 2019 2:43

Tgt Ion: 98 Resp: 969770

Ion Ratio Lower Upper

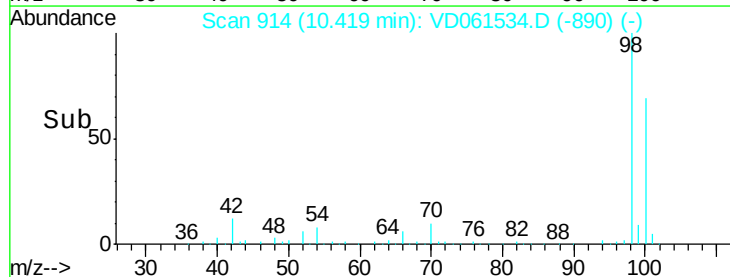
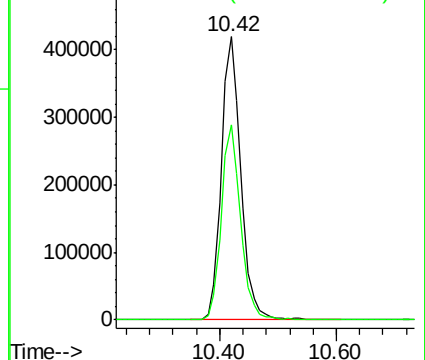
98 100

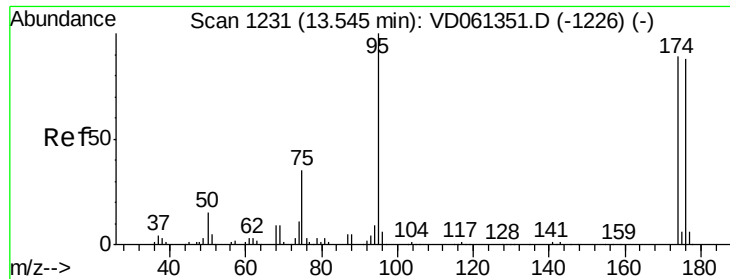
100 69.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

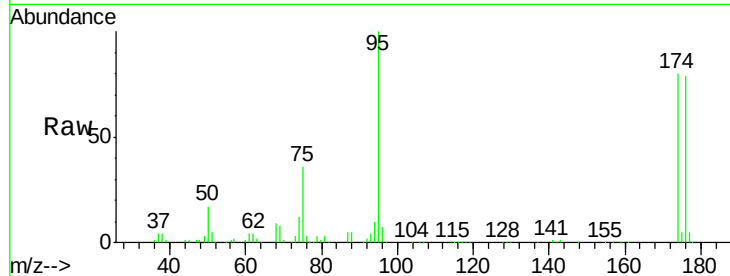




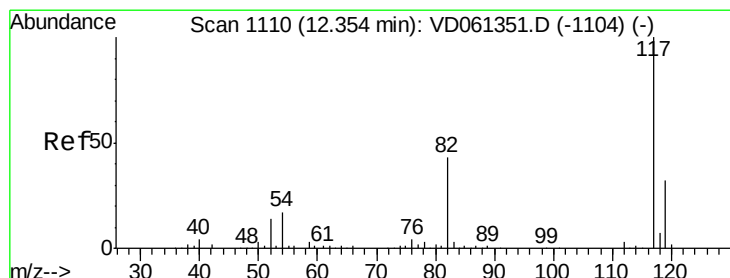
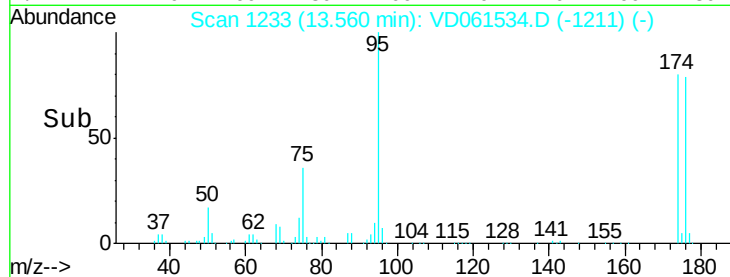
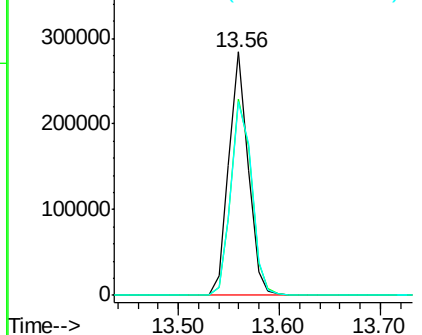
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061534.D
Acq: 3 Apr 2019 2:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 378906
Ion Ratio Lower Upper
95 100
174 80.5 0.0 178.0
176 79.4 0.0 175.0

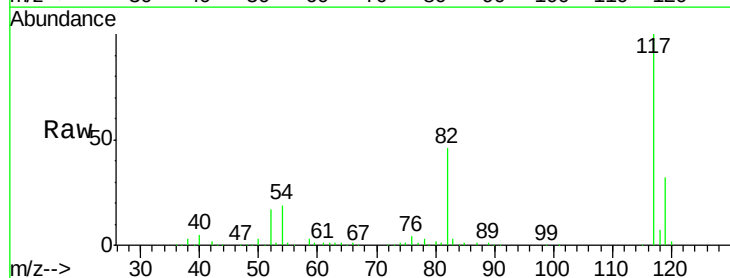


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

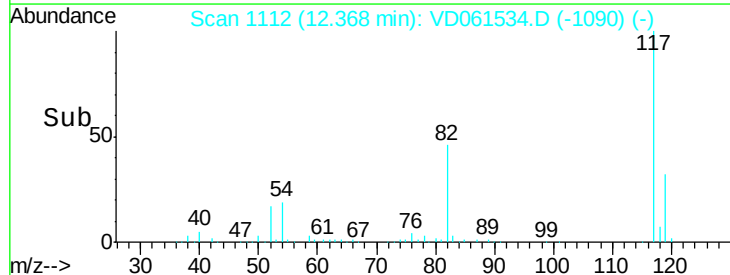
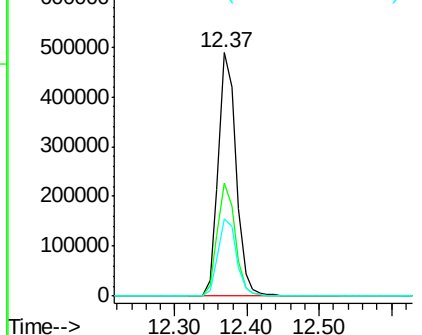


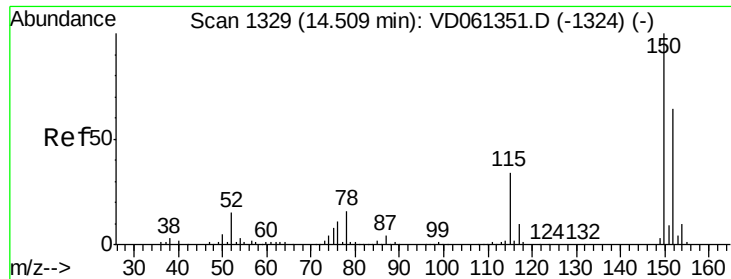
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061534.D
Acq: 3 Apr 2019 2:43

Tgt Ion: 117 Resp: 830306
Ion Ratio Lower Upper
117 100
82 46.3 34.4 51.6
119 31.8 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: VD061534.D

Acq: 3 Apr 2019 2:43

Instrument :

MSVOA_D

ClientSampleId :

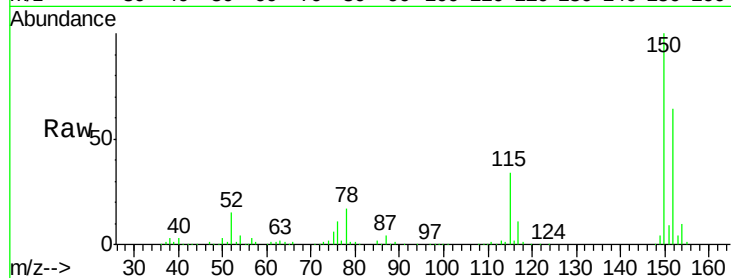
Tot Ion:152 Resp: 410077

Ion Ratio Lower Upper

152 100

115 53.8 26.9 80.6

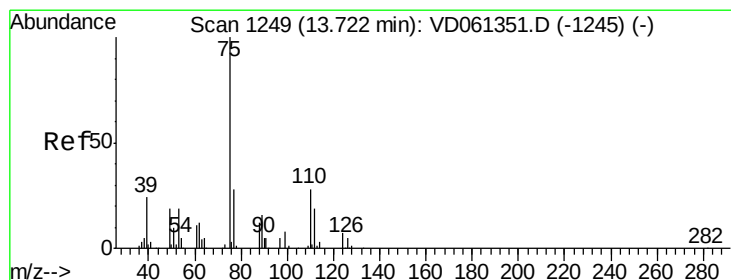
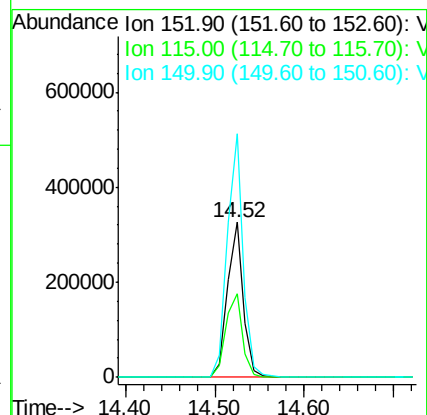
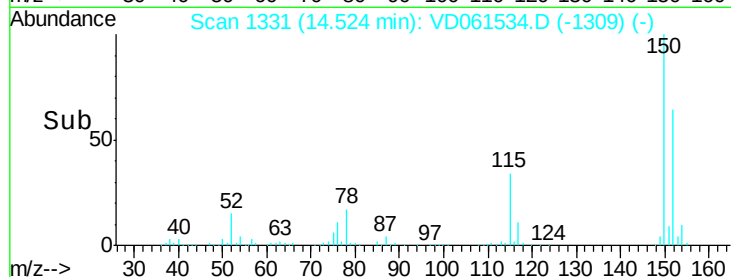
150 157.3 0.0 318.0



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: 22.443 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061534.D

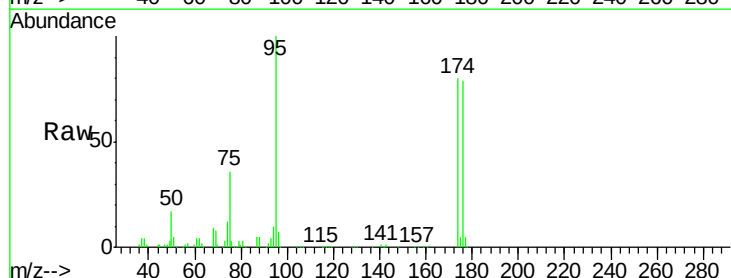
Acq: 3 Apr 2019 2:43

Tgt Ion: 75 Resp: 132946

Ion Ratio Lower Upper

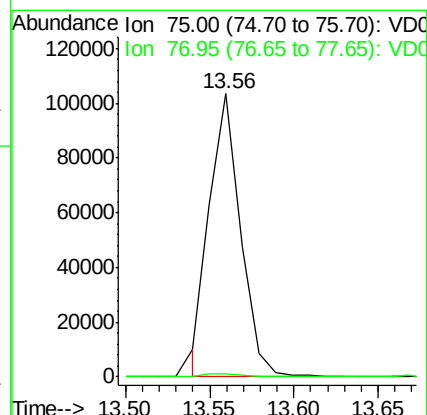
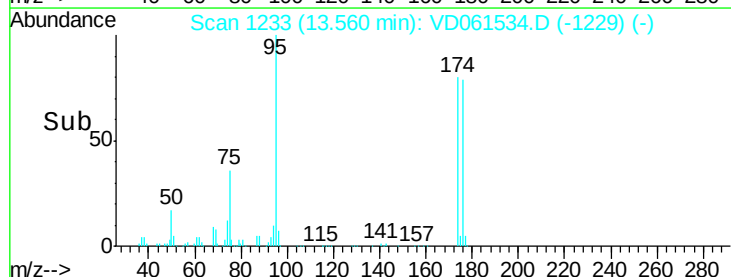
75 100

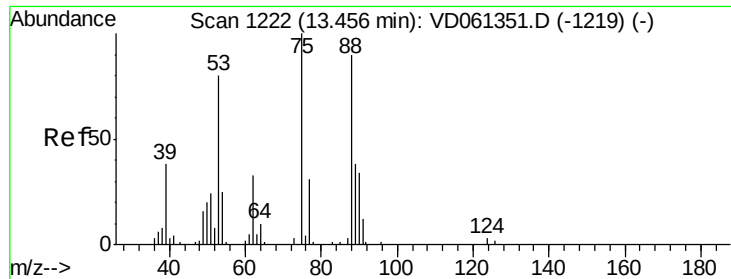
77 1.3 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 77.049 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061534.D

Acq: 3 Apr 2019 2:43

Instrument :

MSVOA_D

ClientSampleId :

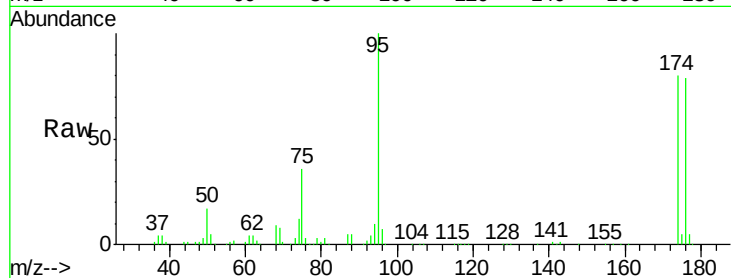
Tot Ion: 75 Resp: 139160

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

