

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061497.D
 Acq On : 2 Apr 2019 6:16
 Operator : VA/AP
 Sample : K2180-06
 Misc : 5.95µl/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 06:59:37 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

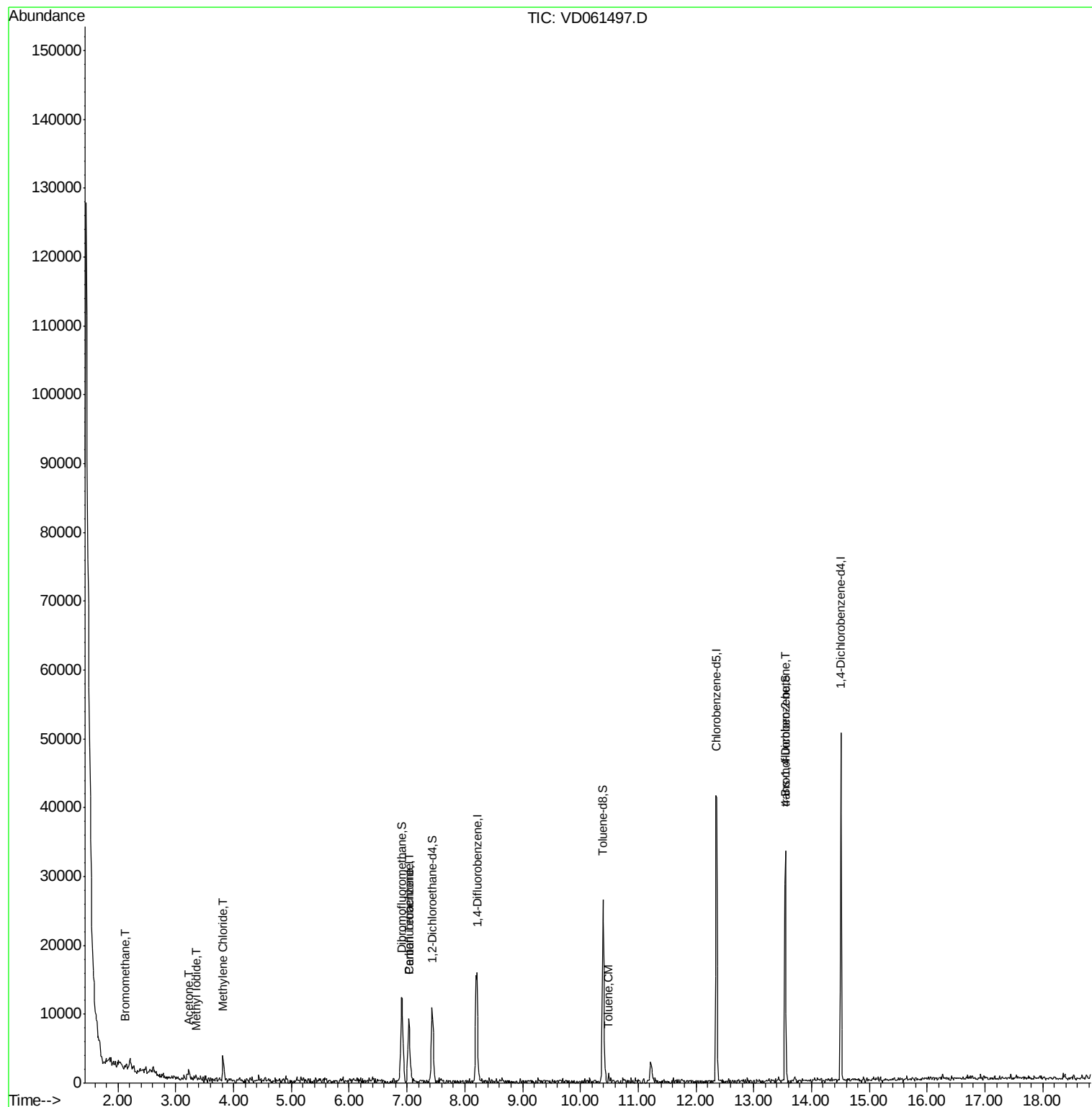
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	12677	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	27724	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	29101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	13703	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	11810	109.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	218.12%	
35) Dibromofluoromethane	6.91	113	12536	59.17	ug/l	0.01
Spiked Amount 50.000			Recovery	=	118.34%	
50) Toluene-d8	10.39	98	24247	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	13.55	95	12023	61.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.40%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.11	94	177	8.805	ug/l #	10
10) Methyl Iodide	3.34	142	1020	7.406	ug/l #	38
16) Acetone	3.22	43	2448	87.937	ug/l #	48
20) Methylene Chloride	3.81	84	1858	10.393	ug/l #	79
38) Carbon Tetrachloride	7.03	117	912	3.280	ug/l #	10
52) Toluene	10.49	92	609	1.644	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.54	75	4209	69.740	ug/l #	18

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

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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: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061497.D

Acq: 2 Apr 2019 6:16

Instrument :

MSVOA_D

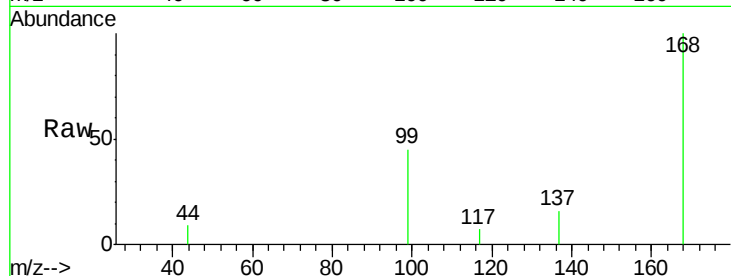
ClientSampled :

Tot Ion:168 Resp: 12677

Ion Ratio Lower Upper

168 100

99 45.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

4000

3000

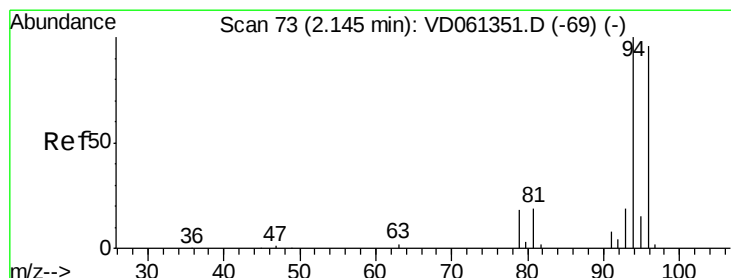
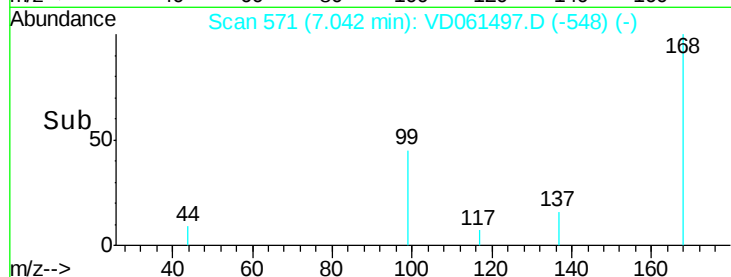
2000

1000

0

6.95 7.00 7.05 7.10 7.15

Time-->



#5

Bromomethane

Concen: 8.805 ug/l

RT: 2.11 min Scan# 70

Delta R.T. -0.03 min

Lab File: VD061497.D

Acq: 2 Apr 2019 6:16

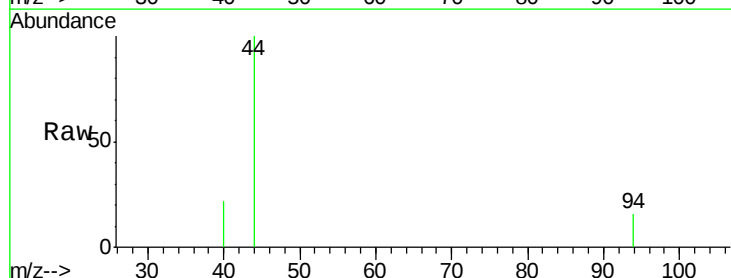
Tgt Ion: 94 Resp: 177

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.11

400

300

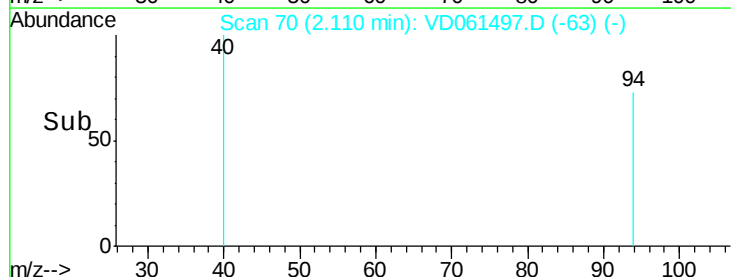
200

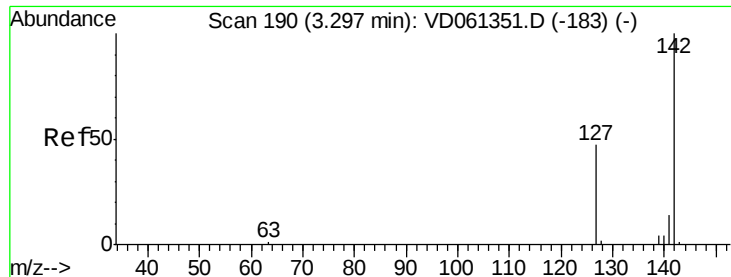
100

0

2.10 2.12 2.14

Time-->

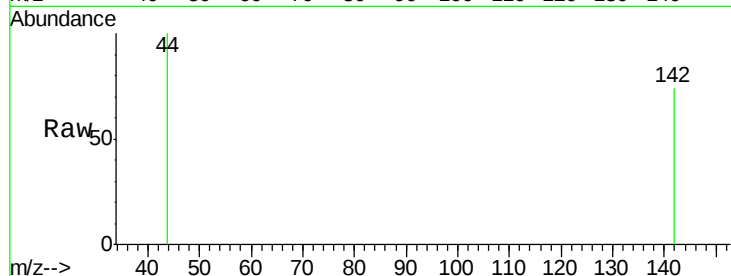




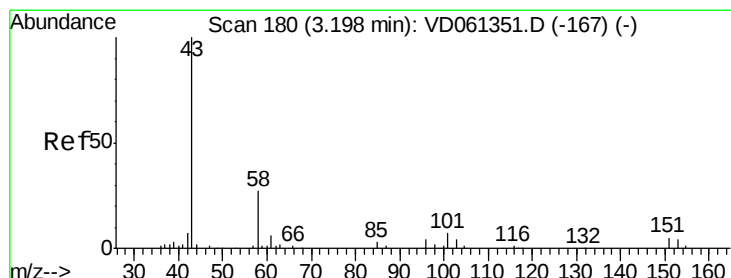
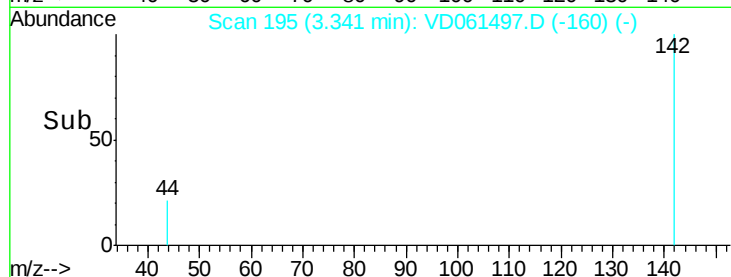
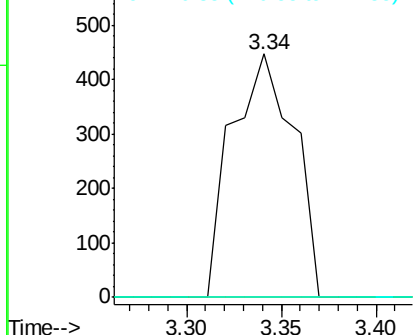
#10
Methyl Iodide
Concen: 7.406 ug/l
RT: 3.34 min Scan# 195
Delta R.T. 0.04 min
Lab File: VD061497.D
Acq: 2 Apr 2019 6:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 1020
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#

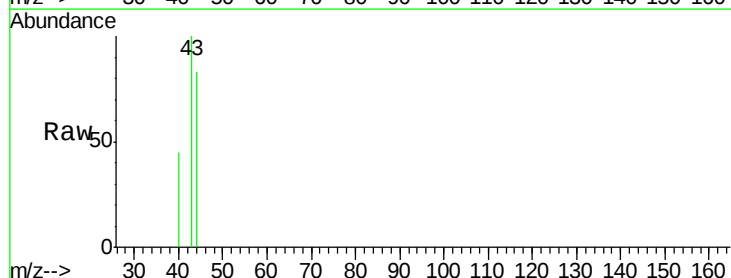


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

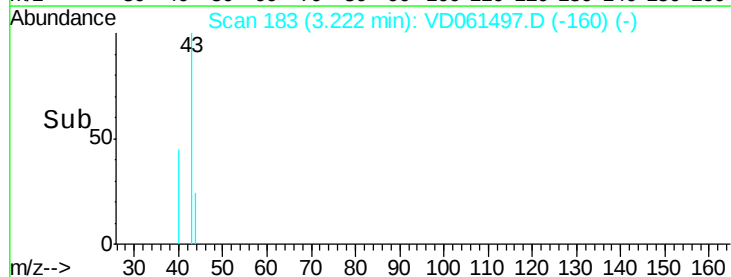
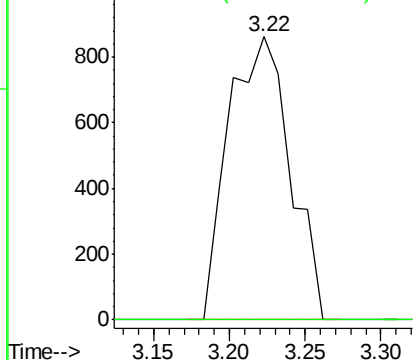


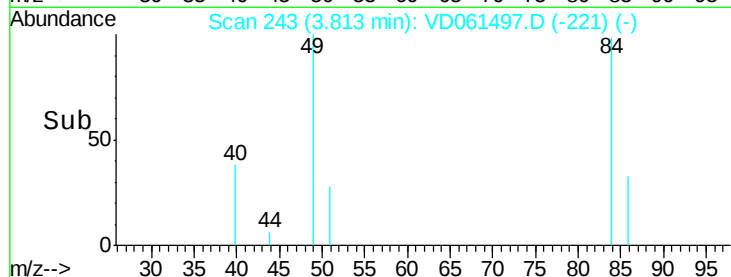
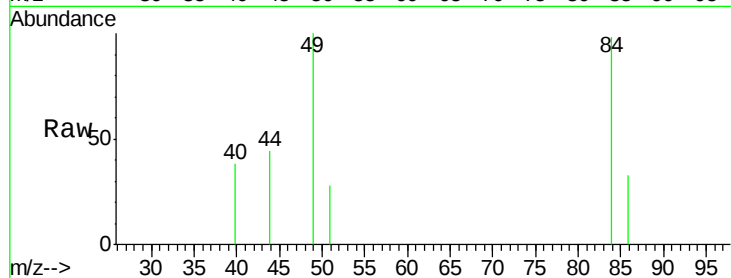
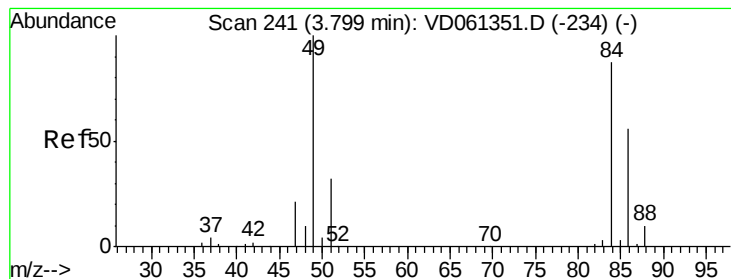
#16
Acetone
Concen: 87.937 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.02 min
Lab File: VD061497.D
Acq: 2 Apr 2019 6:16

Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
58 0.0 21.5 32.3#



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





#20

Methylene Chloride

Concen: 10.393 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061497.D

Acq: 2 Apr 2019 6:16

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 1858

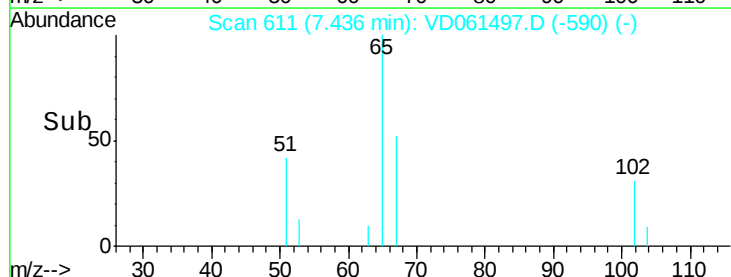
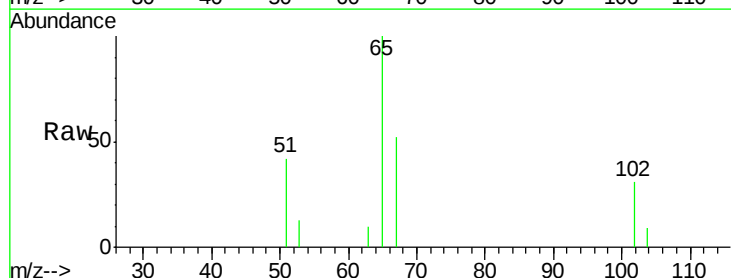
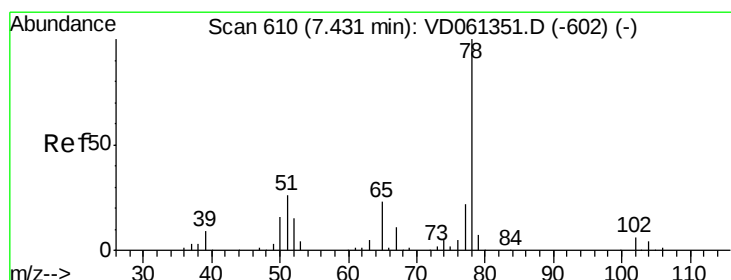
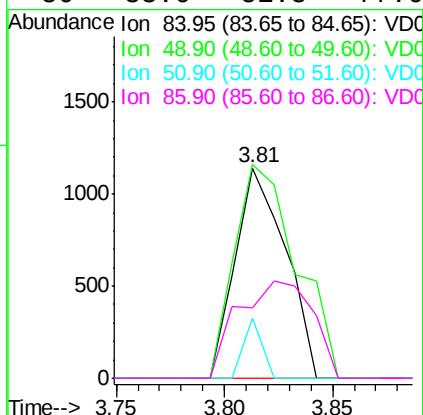
Ion Ratio Lower Upper

84 100

49 101.7 91.8 137.8

51 28.9 29.8 44.8#

86 33.6 51.8 77.6#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD061497.D

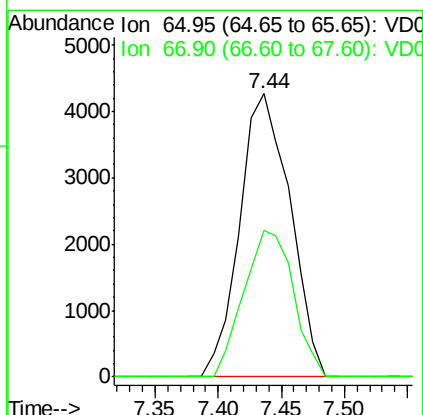
Acq: 2 Apr 2019 6:16

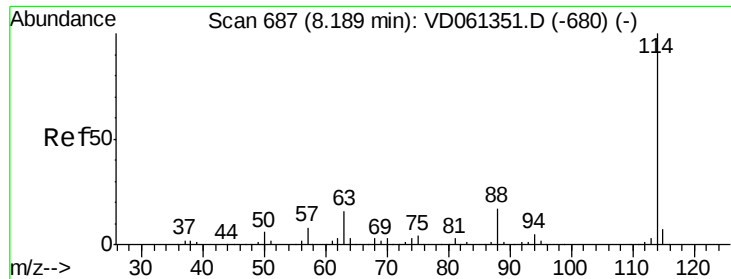
Tgt Ion: 65 Resp: 11810

Ion Ratio Lower Upper

65 100

67 51.6 0.0 99.8

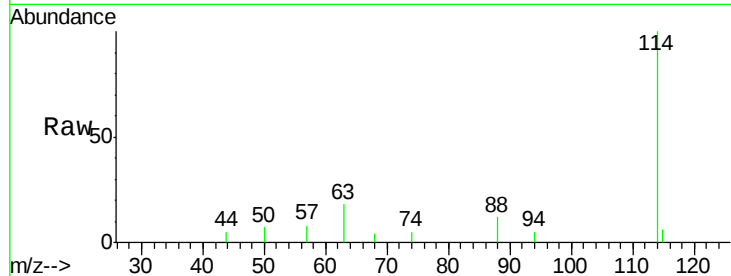




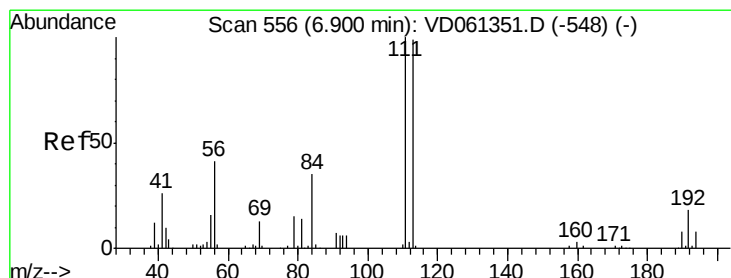
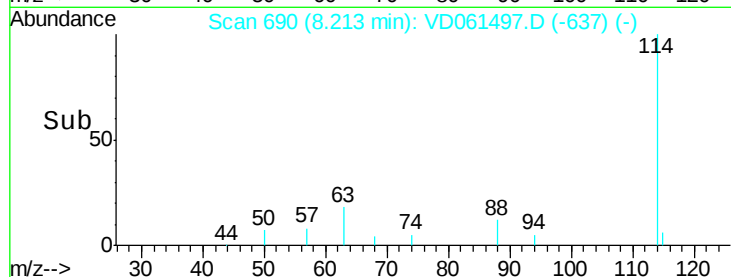
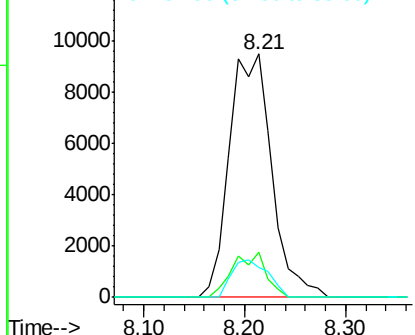
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061497.D
 Acq: 2 Apr 2019 6:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 27724
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 31.6
 88 12.4 0.0 33.4

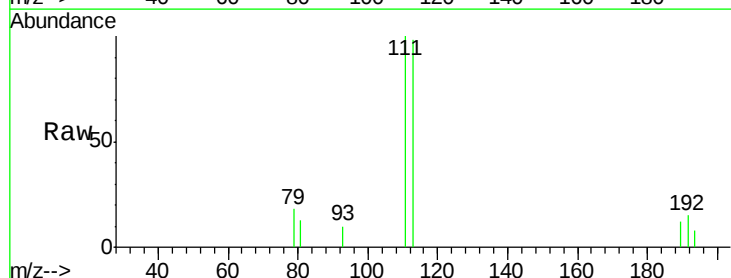


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

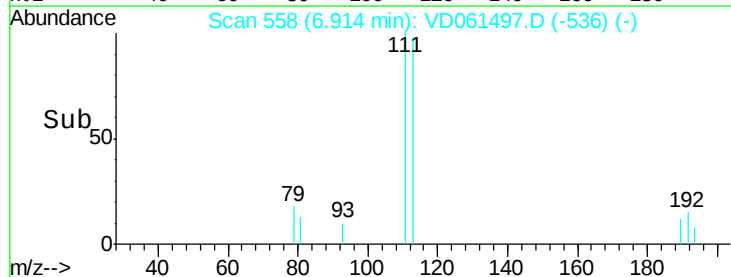
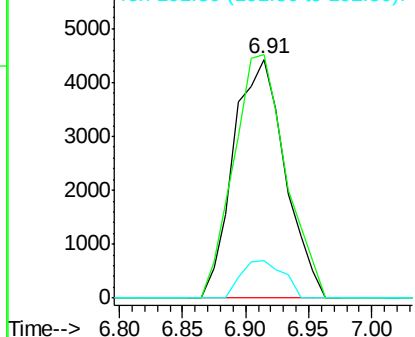


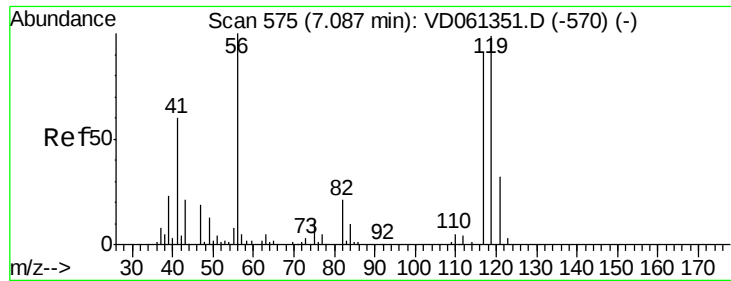
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061497.D
 Acq: 2 Apr 2019 6:16

Tgt Ion:113 Resp: 12536
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.0 121.6
 192 15.7 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

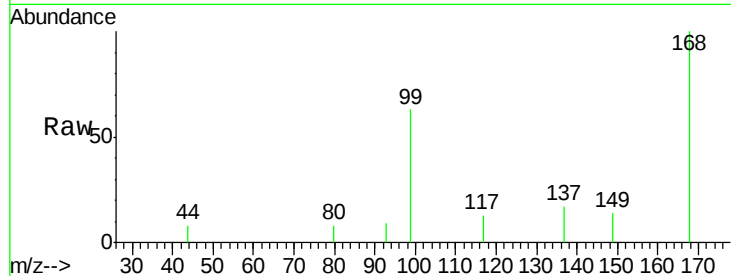




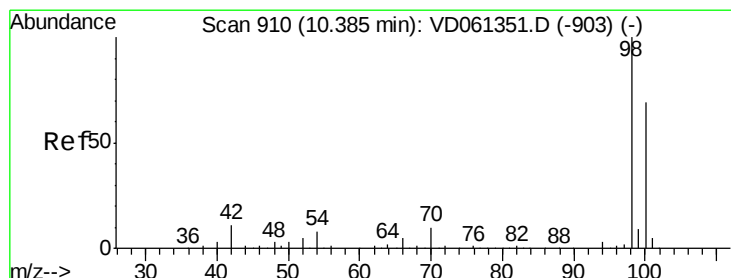
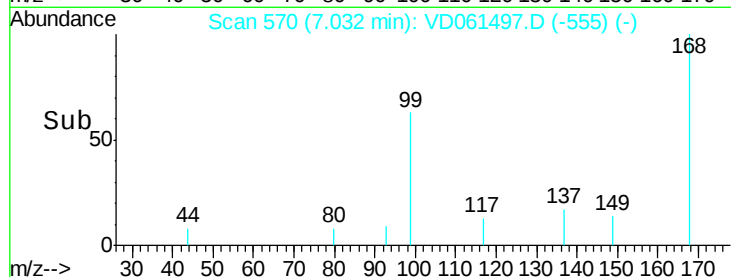
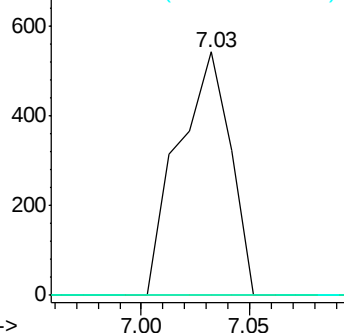
#38
Carbon Tetrachloride
Concen: 3.280 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.05 min
Lab File: VD061497.D
Acq: 2 Apr 2019 6:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 912
Ion Ratio Lower Upper
117 100
119 0.0 80.1 120.1#
121 0.0 25.6 38.4#

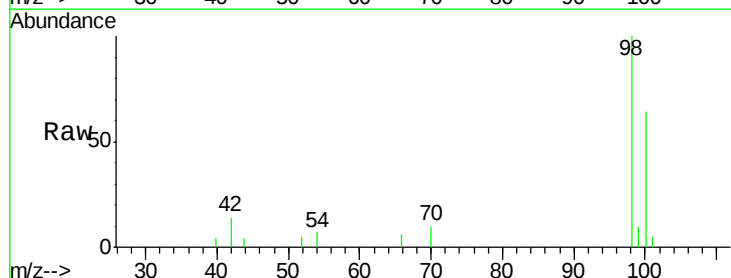


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

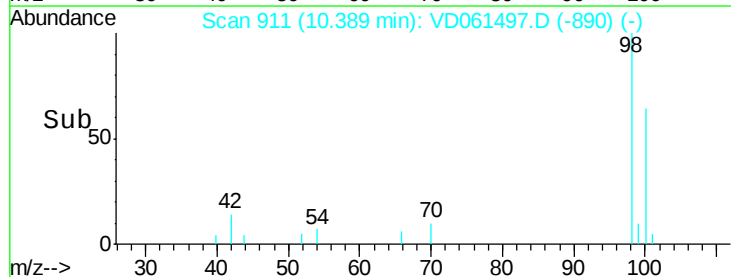
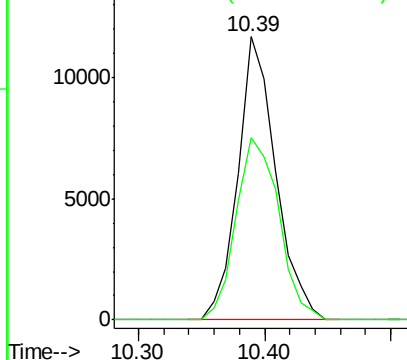


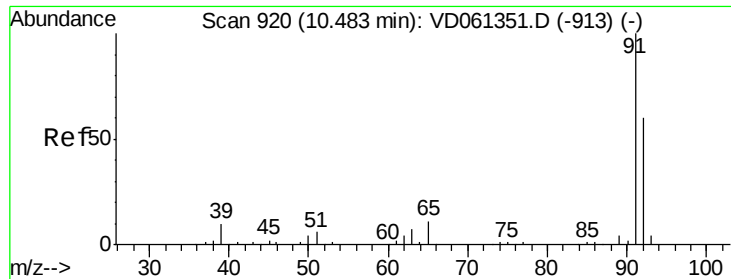
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061497.D
Acq: 2 Apr 2019 6:16

Tgt Ion: 98 Resp: 24247
Ion Ratio Lower Upper
98 100
100 64.3 56.2 84.2



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





#52

Toluene

Concen: 1.644 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD061497.D

Acq: 2 Apr 2019 6:16

Instrument :

MSVOA_D

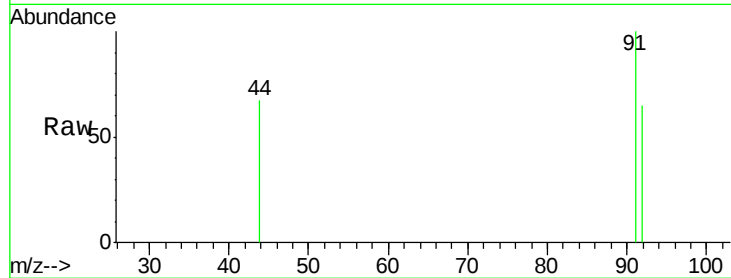
ClientSampleId :

Tot Ion: 92 Resp: 609

Ion Ratio Lower Upper

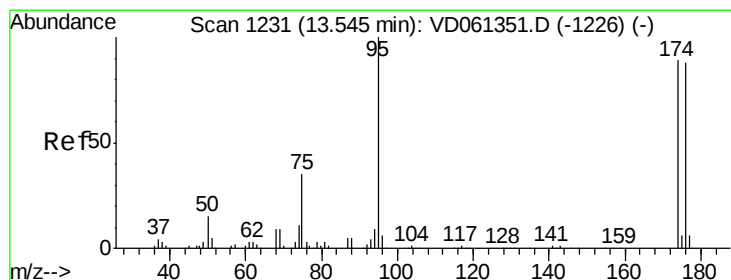
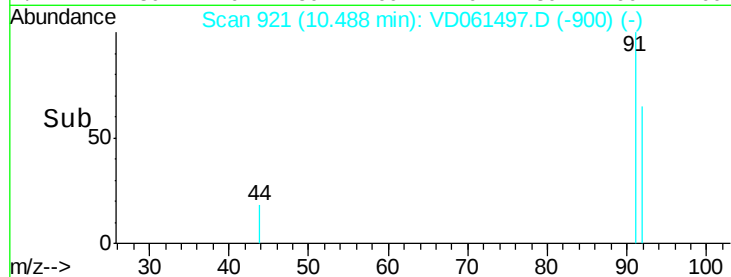
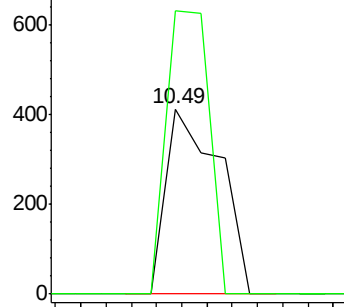
92 100

91 153.2 133.3 199.9



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061497.D

Acq: 2 Apr 2019 6:16

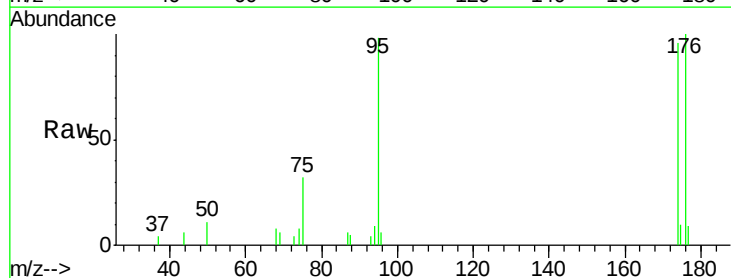
Tgt Ion: 95 Resp: 12023

Ion Ratio Lower Upper

95 100

174 92.7 0.0 178.0

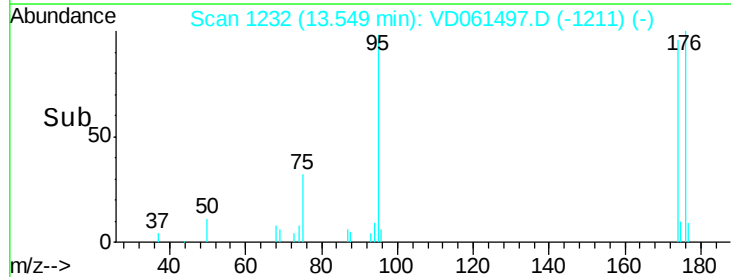
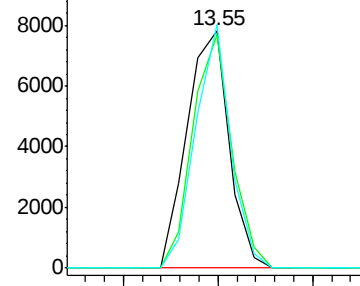
176 96.8 0.0 175.0

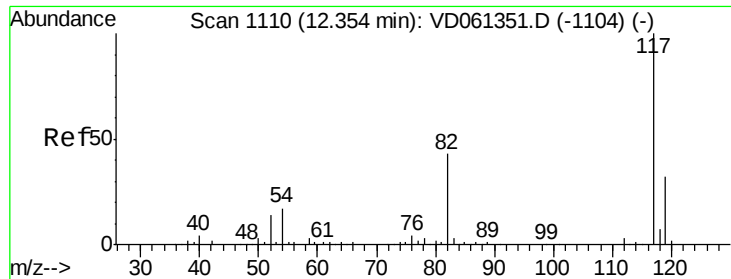


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

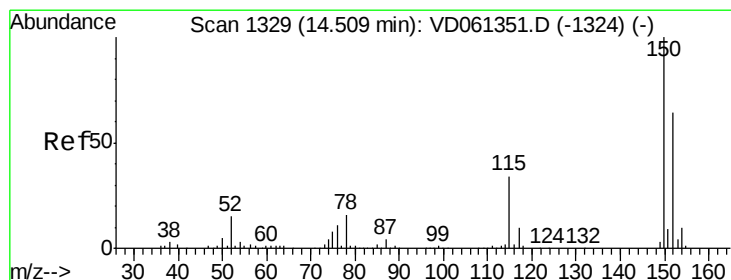
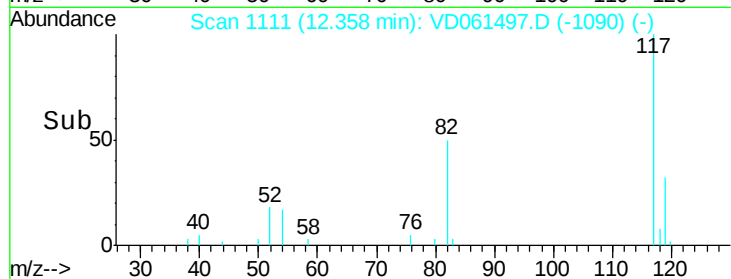
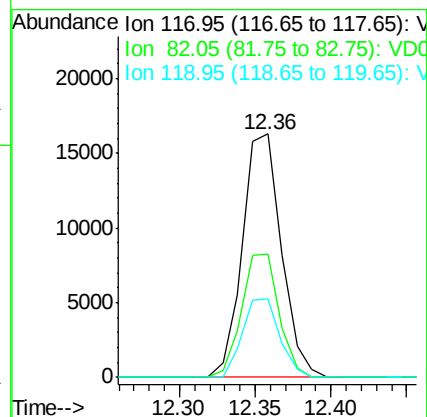
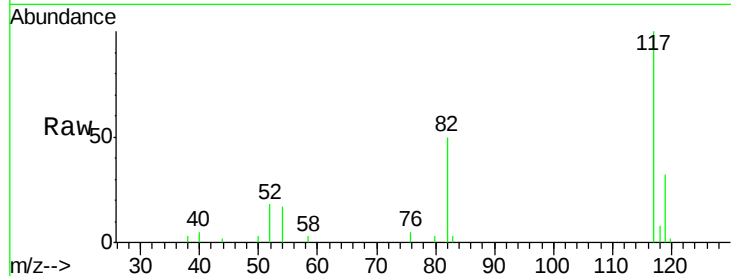




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061497.D
Acq: 2 Apr 2019 6:16

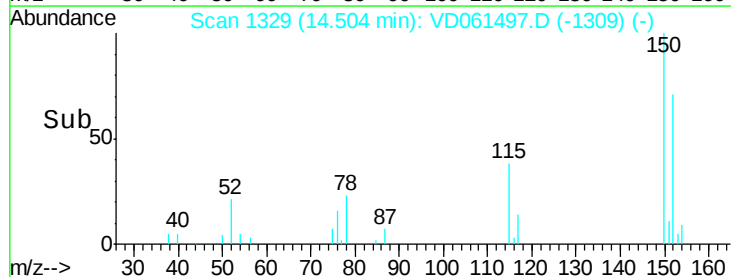
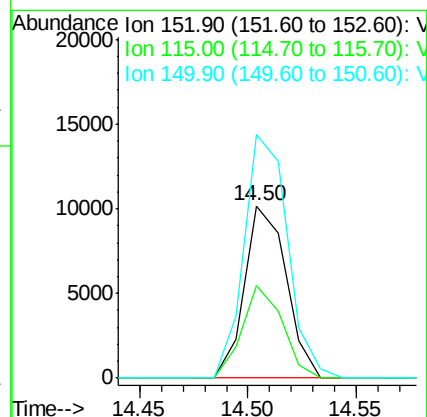
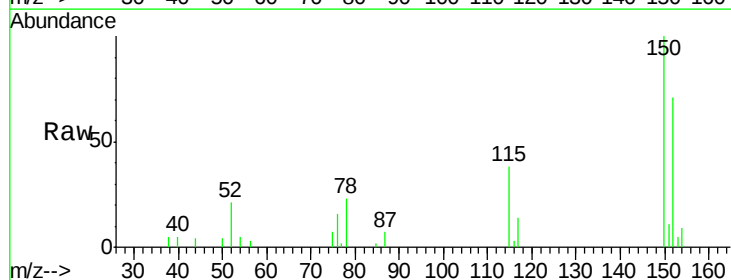
Instrument :
MSVOA_D
ClientSampleId :

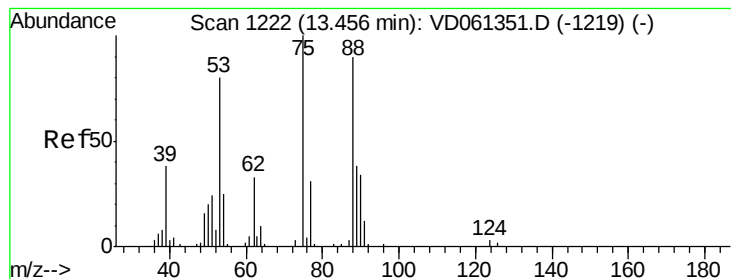
Tot Ion:117 Resp: 29101
Ion Ratio Lower Upper
117 100
82 50.4 34.4 51.6
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061497.D
Acq: 2 Apr 2019 6:16

Tgt Ion:152 Resp: 13703
Ion Ratio Lower Upper
152 100
115 54.0 26.9 80.6
150 141.4 0.0 318.0





#81

trans-1,4-Dichloro-2-butene

Concen: 69.740 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061497.D

Acq: 2 Apr 2019 6:16

Instrument :

MSVOA_D

ClientSampleId :

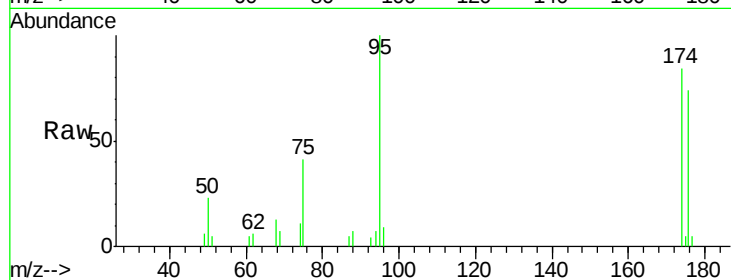
Tot Ion: 75 Resp: 4209

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

