

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061165.D
 Acq On : 19 Mar 2019 2:14
 Operator : VA/AP
 Sample : K1930-05RE
 Misc : 4.26g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 04:52:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	10708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	23788	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	21566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	10330	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	8262	92.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	185.40%	
35) Dibromofluoromethane	6.92	113	10198	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
50) Toluene-d8	10.39	98	21183	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	13.54	95	9946	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	

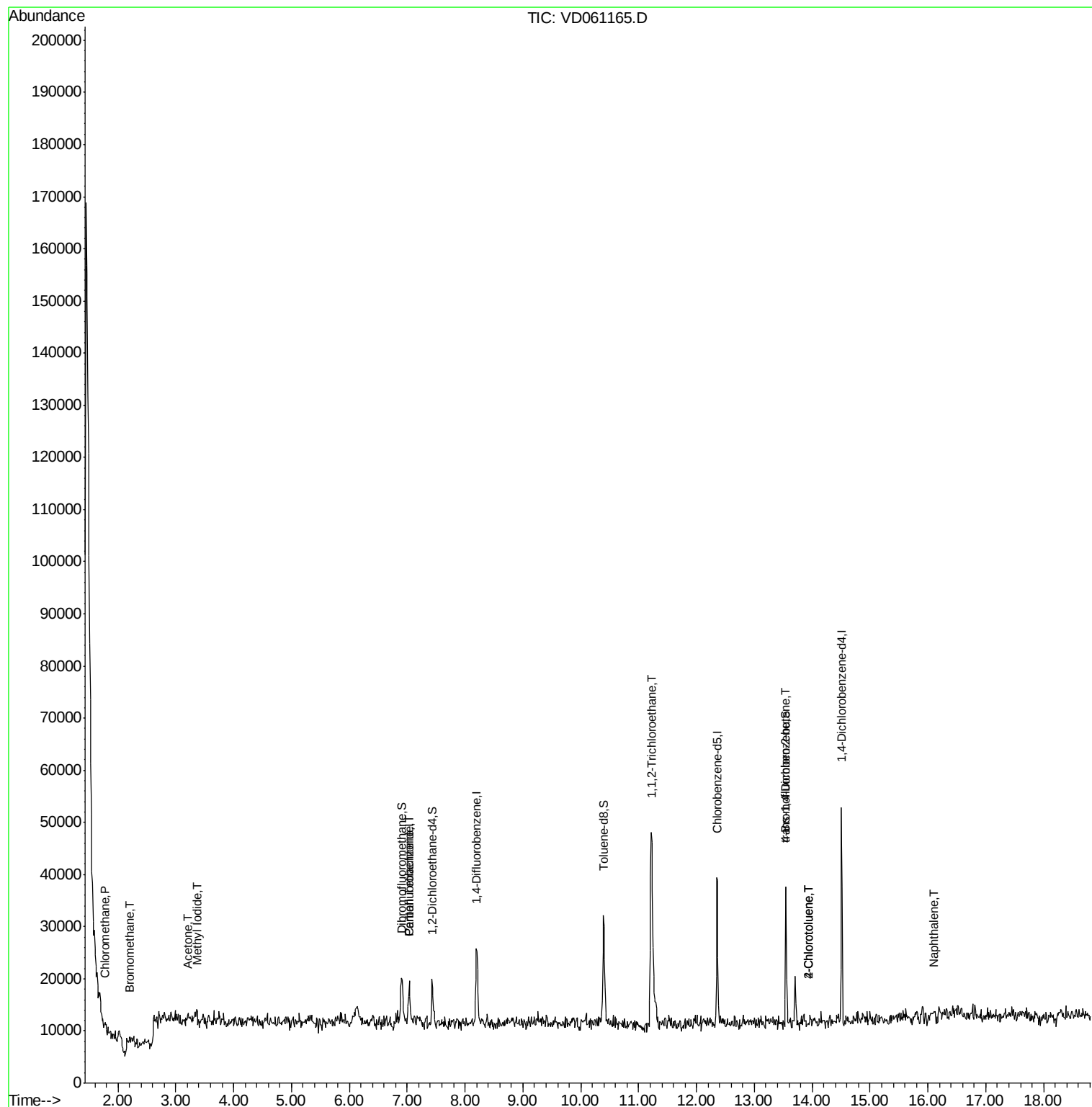
Target Compounds						Qvalue
3) Chloromethane	1.78	50	190	2.150	ug/l #	42
5) Bromomethane	2.20	94	1022	80.122	ug/l #	8
10) Methyl Iodide	3.35	142	2565	16.304	ug/l #	39
16) Acetone	3.21	43	3102	121.704	ug/l #	48
38) Carbon Tetrachloride	7.03	117	451	1.997	ug/l #	11
55) 1,1,2-Trichloroethane	11.24	97	194	1.828	ug/l #	15
79) 2-Chlorotoluene	13.94	91	673	1.403	ug/l #	38
81) trans-1,4-Dichloro-2-buten	13.54	75	3475	79.311	ug/l #	17
82) 4-Chlorotoluene	13.94	91	673	1.186	ug/l #	39
95) Naphthalene	16.11	128	709	3.555	ug/l #	70

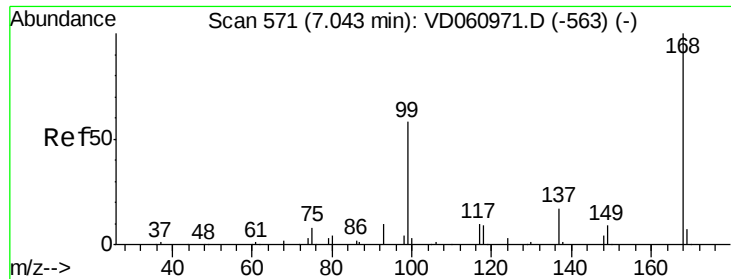
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

Instrument :

MSVOA_D

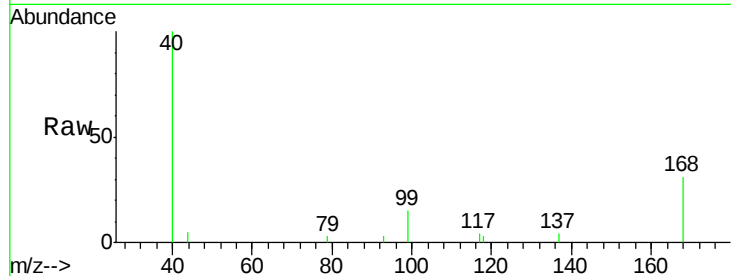
ClientSampleId :

Tot Ion:168 Resp: 10708

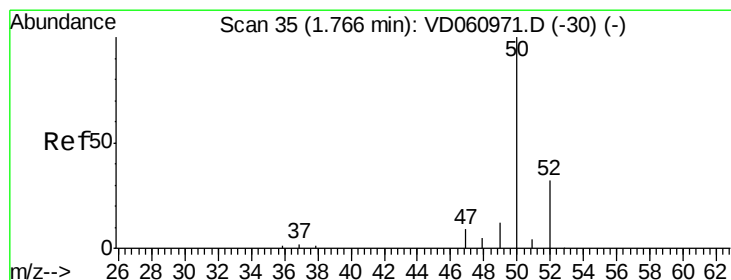
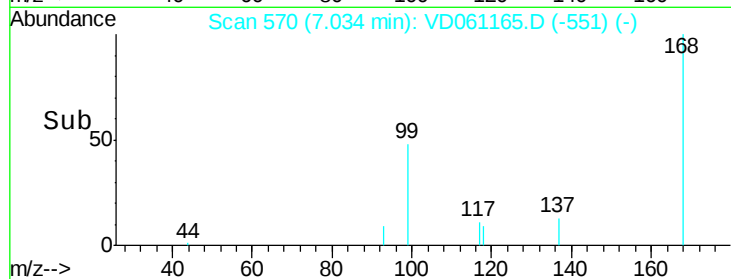
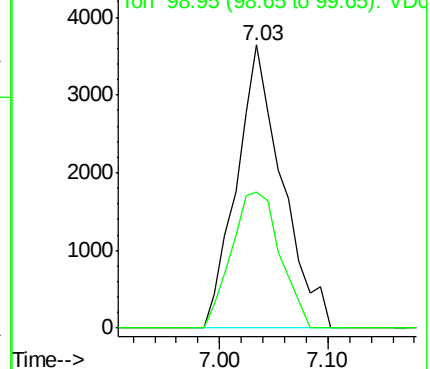
Ion Ratio Lower Upper

168 100

99 48.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V



#3

Chloromethane

Concen: 2.150 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.01 min

Lab File: VD061165.D

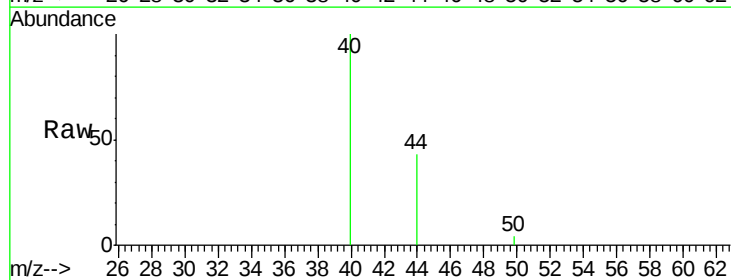
Acq: 19 Mar 2019 2:14

Tgt Ion: 50 Resp: 190

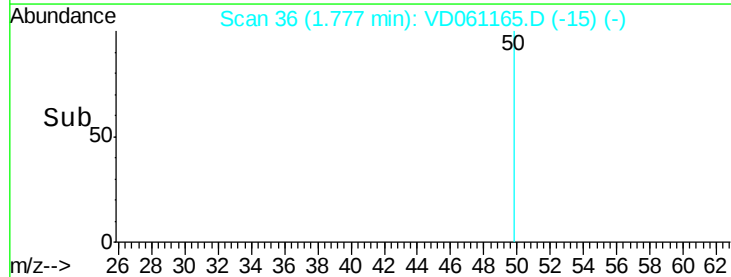
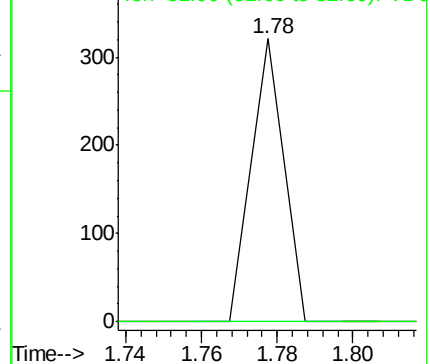
Ion Ratio Lower Upper

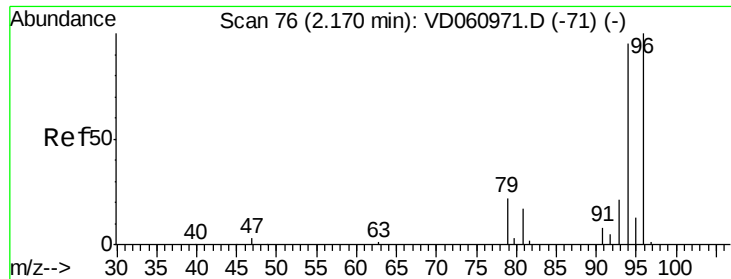
50 100

52 0.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC





#5

Bromomethane

Concen: 80.122 ug/l

RT: 2.20 min Scan# 79

Delta R.T. 0.03 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

Instrument :

MSVOA_D

ClientSampleId :

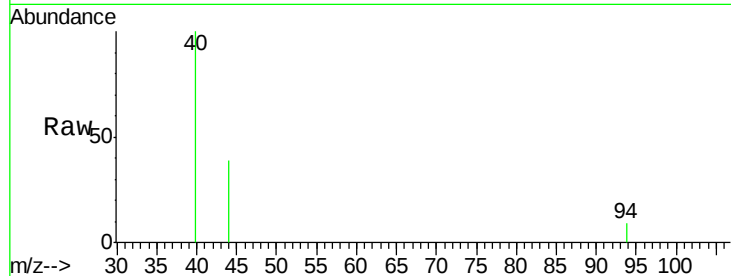
Tot Ion: 94 Resp: 1022

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

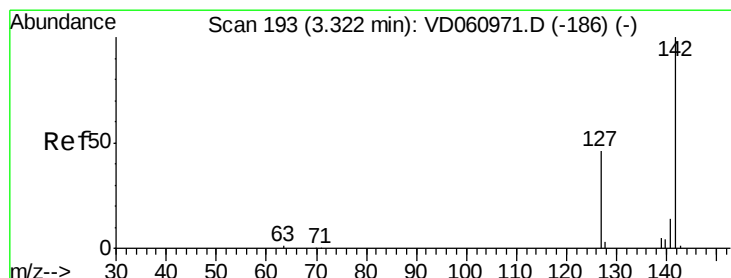
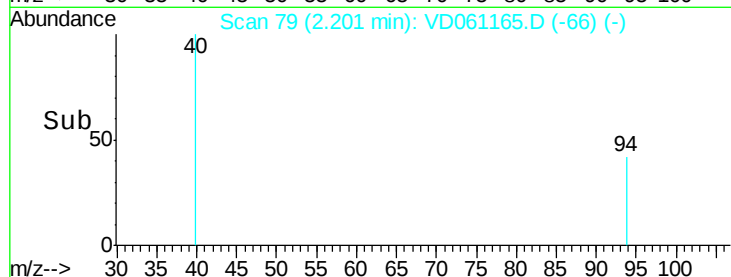
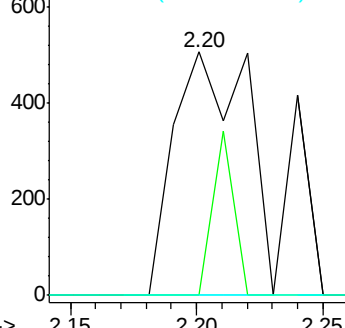
93 0.0 17.3 25.9#



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



#10

Methyl Iodide

Concen: 16.304 ug/l

RT: 3.35 min Scan# 196

Delta R.T. 0.03 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

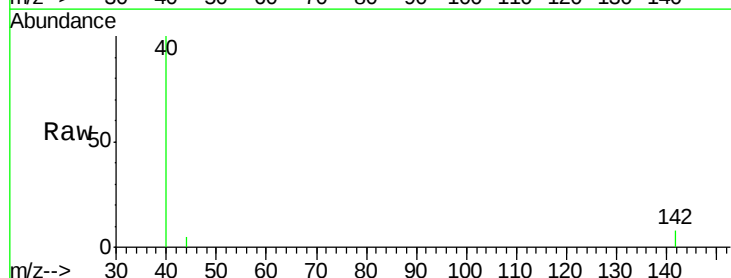
Tgt Ion: 142 Resp: 2565

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

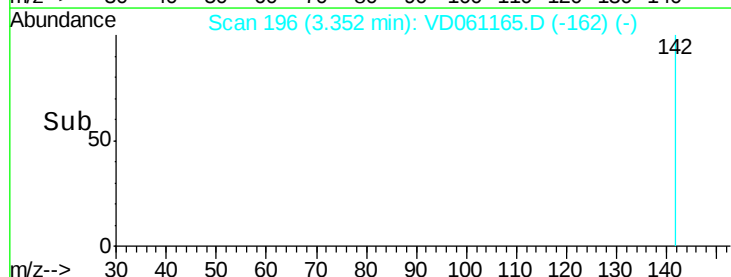
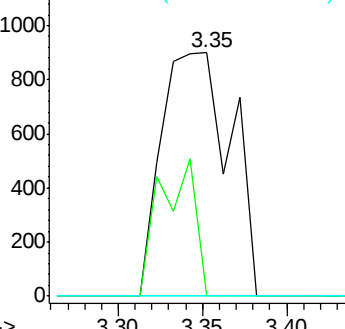
141 0.0 11.2 16.8#

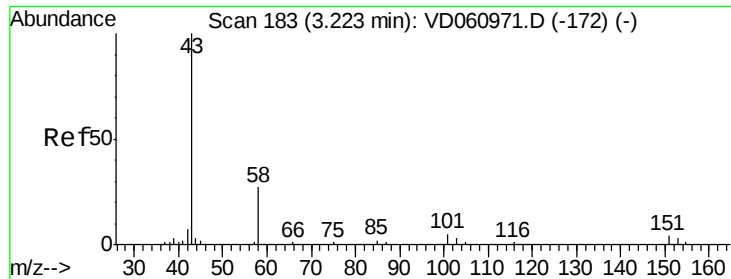


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

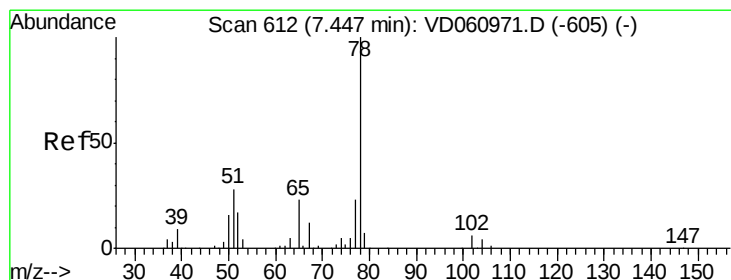
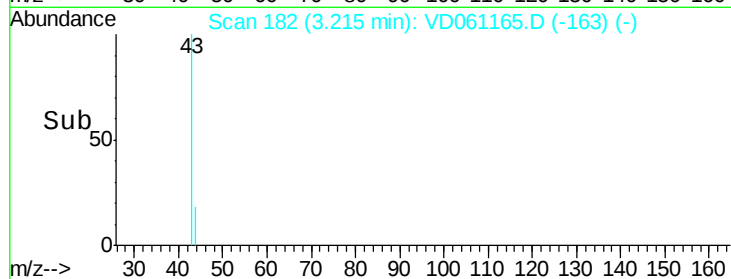
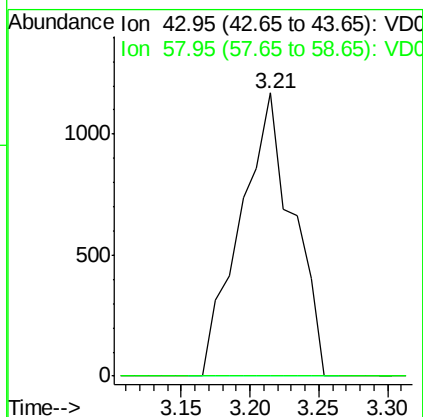
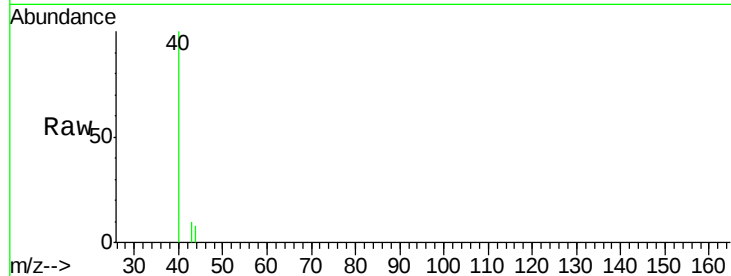




#16
Acetone
Concen: 121.704 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD061165.D
Acq: 19 Mar 2019 2:14

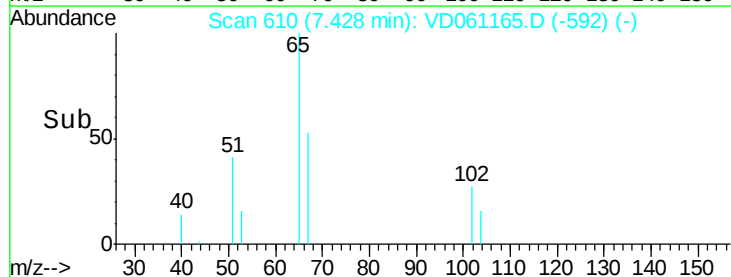
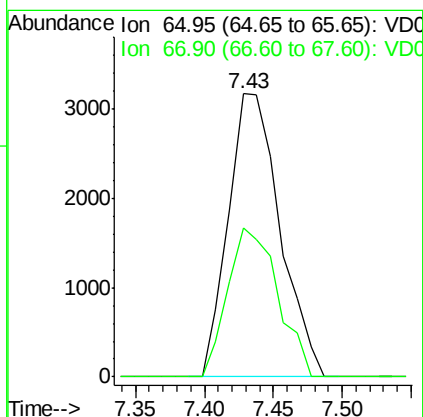
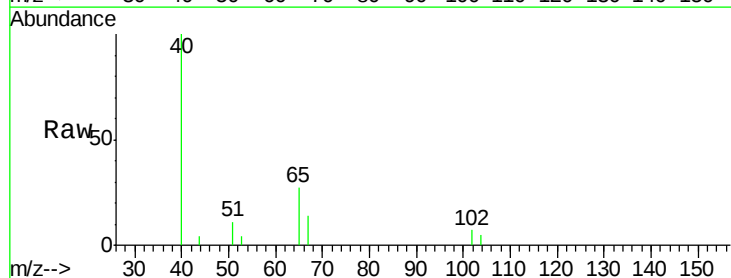
Instrument :
MSVOA_D
ClientSampleId :

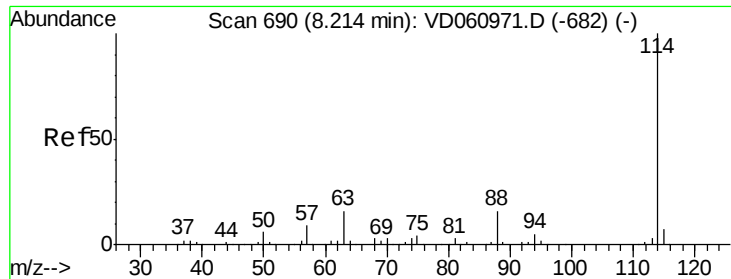
Tot Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.02 min
Lab File: VD061165.D
Acq: 19 Mar 2019 2:14

Tgt Ion: 65 Resp: 8262
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

Instrument :

MSVOA_D

ClientSampleId :

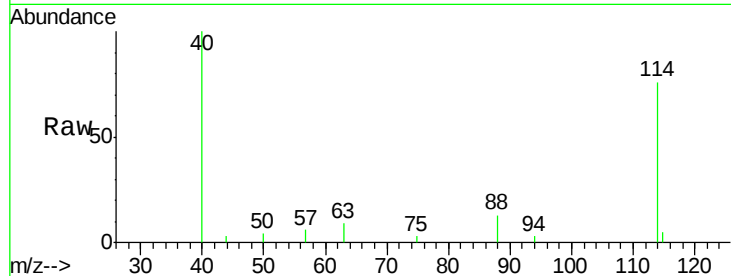
Tot Ion:114 Resp: 23788

Ion Ratio Lower Upper

114 100

63 12.4 0.0 31.4

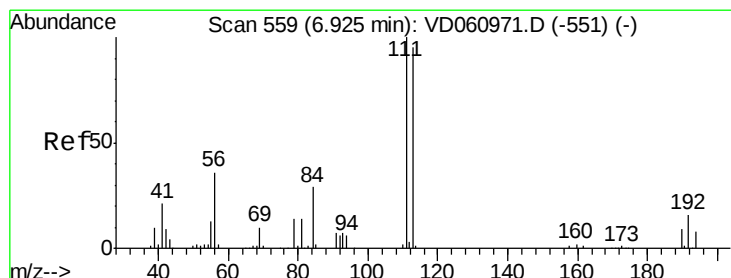
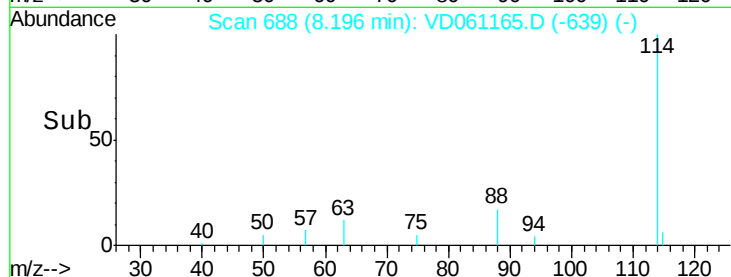
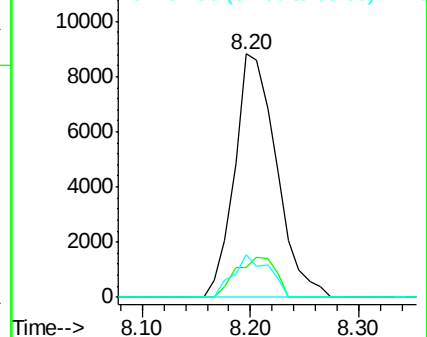
88 17.3 0.0 33.0



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: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

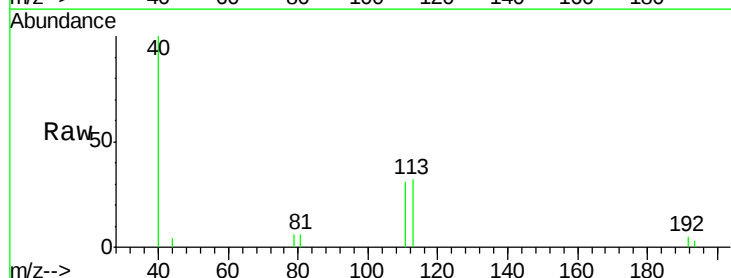
Tgt Ion:113 Resp: 10198

Ion Ratio Lower Upper

113 100

111 97.7 84.2 126.4

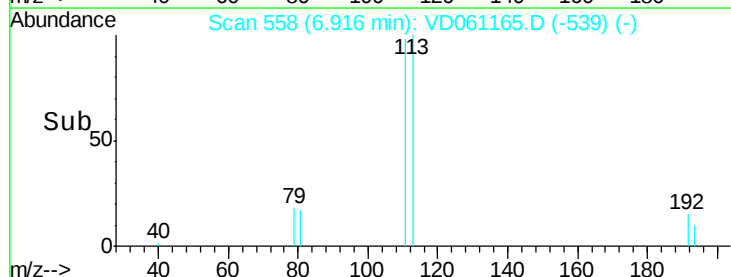
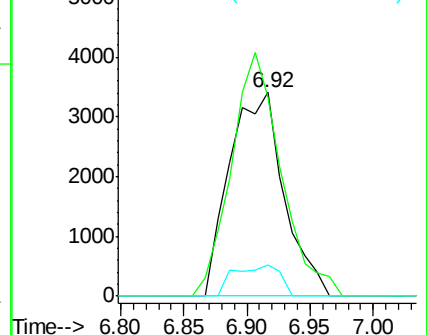
192 15.0 13.1 19.7

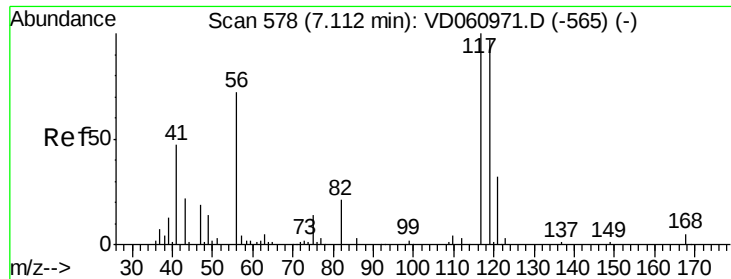


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#38

Carbon Tetrachloride

Concen: 1.997 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

Instrument :

MSVOA_D

ClientSampleId :

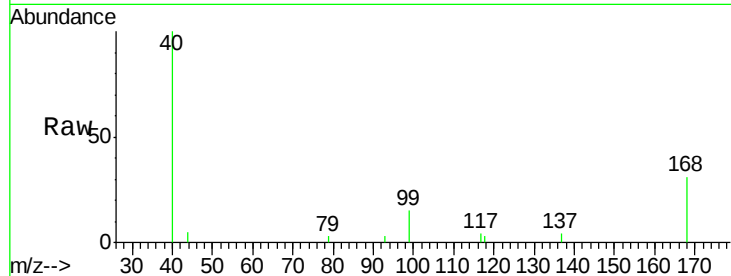
Tot Ion:117 Resp: 451

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

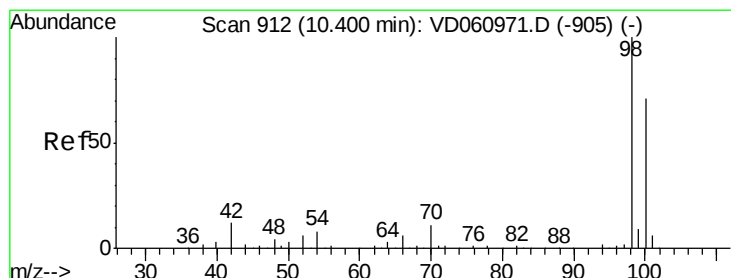
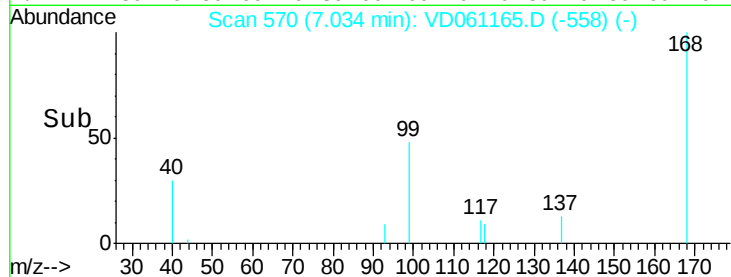
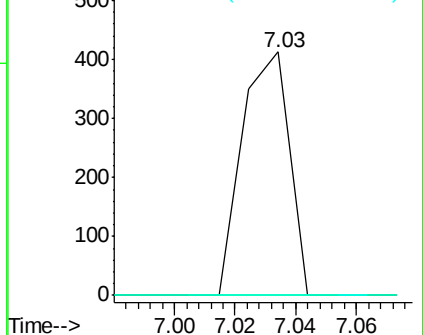
121 0.0 25.3 37.9#



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. -0.01 min

Lab File: VD061165.D

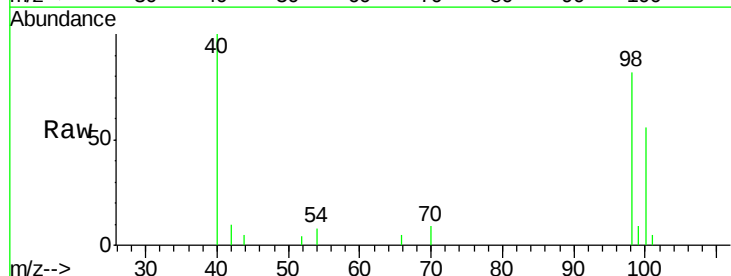
Acq: 19 Mar 2019 2:14

Tgt Ion: 98 Resp: 21183

Ion Ratio Lower Upper

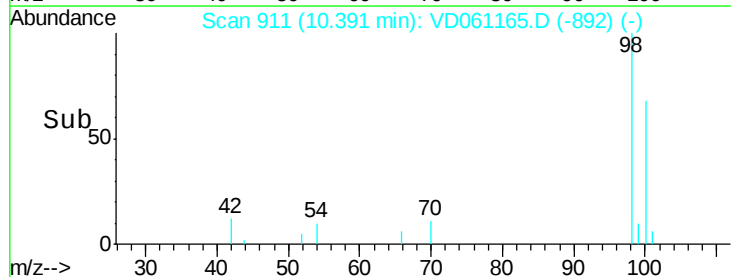
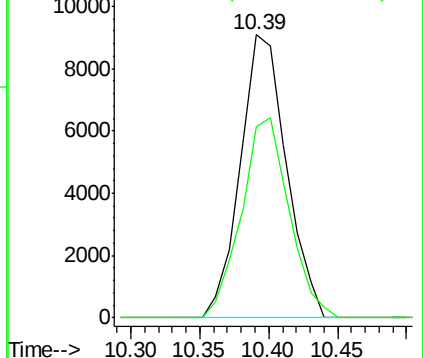
98 100

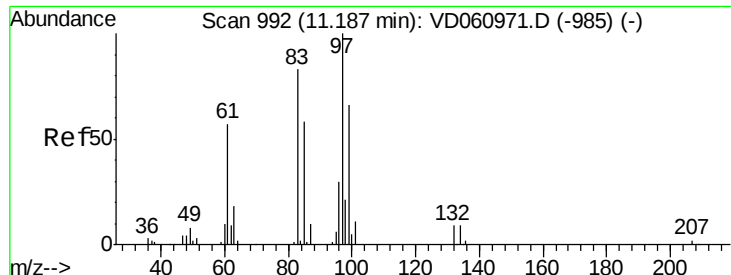
100 67.6 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

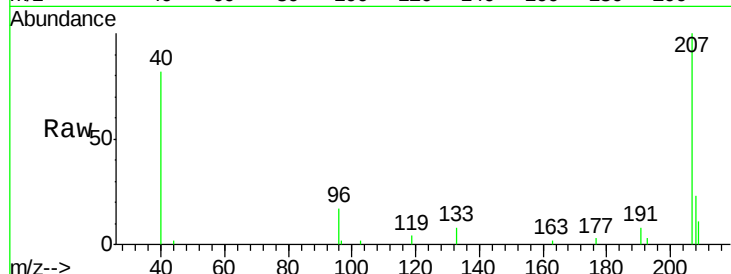




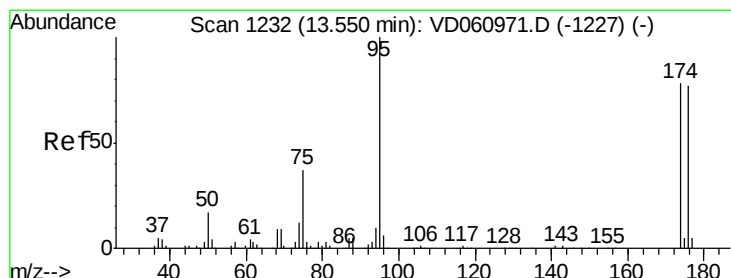
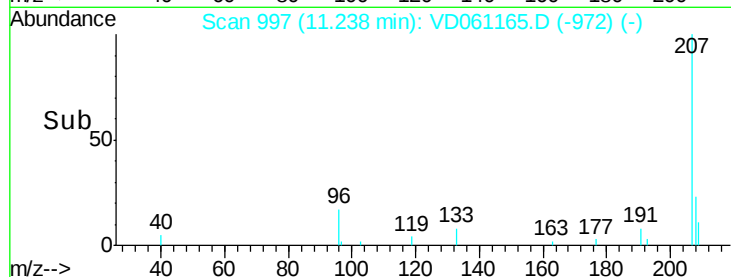
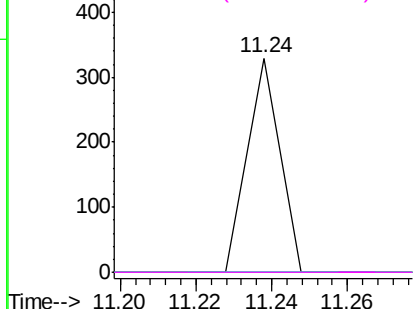
#55
 1,1,2-Trichloroethane
 Concen: 1.828 ug/l
 RT: 11.24 min Scan# 997
 Delta R.T. 0.05 min
 Lab File: VD061165.D
 Acq: 19 Mar 2019 2:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 194
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.6 100.0#
 85 0.0 46.4 69.6#
 99 0.0 52.4 78.6#

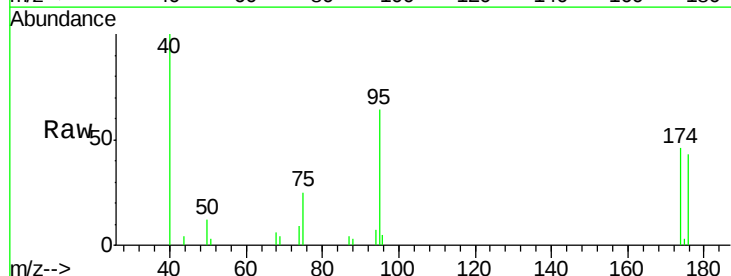


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

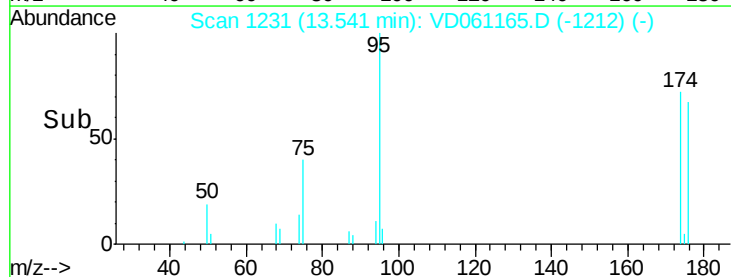
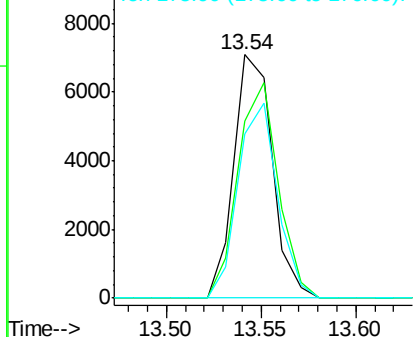


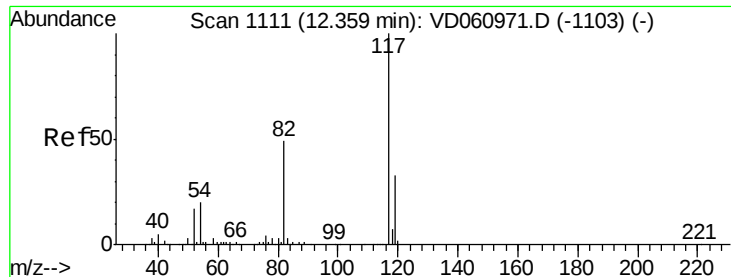
#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061165.D
 Acq: 19 Mar 2019 2:14

Tgt Ion: 95 Resp: 9946
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 155.6
 176 67.3 0.0 153.8



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

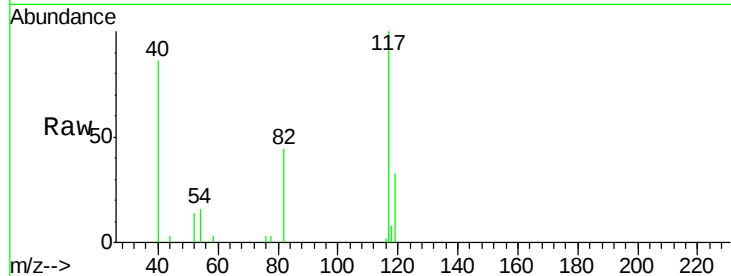




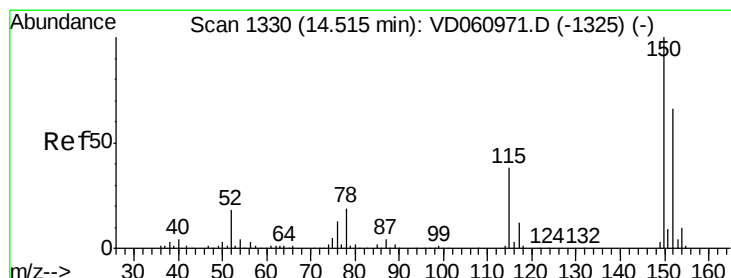
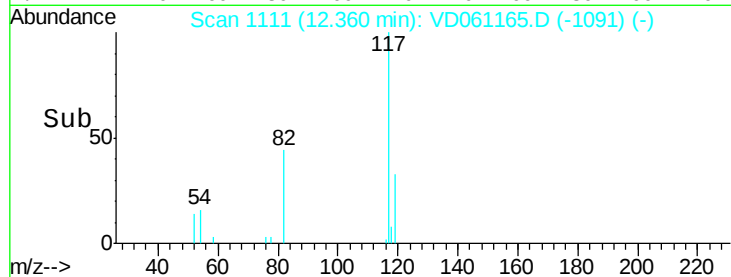
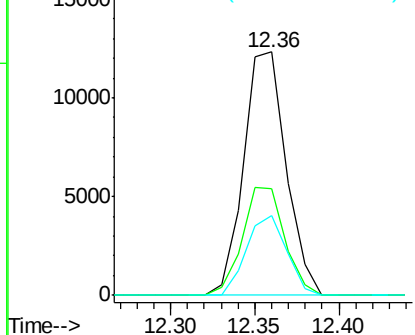
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061165.D
Acq: 19 Mar 2019 2:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 21566
Ion Ratio Lower Upper
117 100
82 44.1 38.9 58.3
119 32.5 26.6 39.8

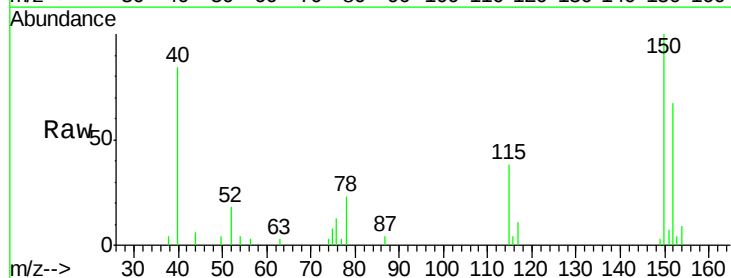


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

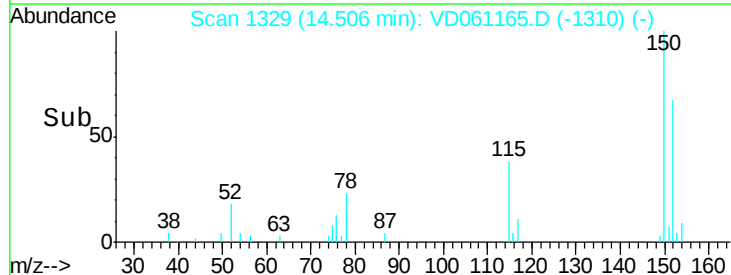
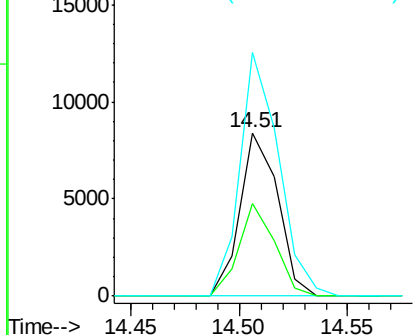


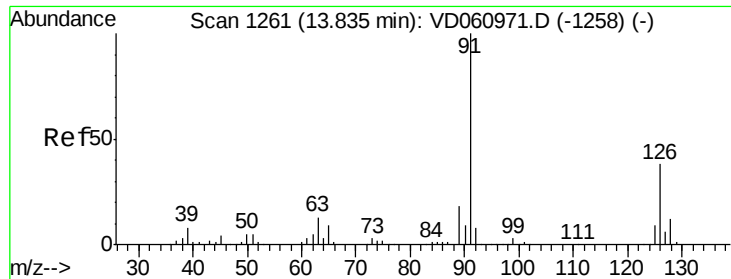
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061165.D
Acq: 19 Mar 2019 2:14

Tgt Ion:152 Resp: 10330
Ion Ratio Lower Upper
152 100
115 56.9 28.6 85.9
150 148.8 0.0 310.6



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





#79

2-Chlorotoluene

Concen: 1.403 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.10 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

Instrument :

MSVOA_D

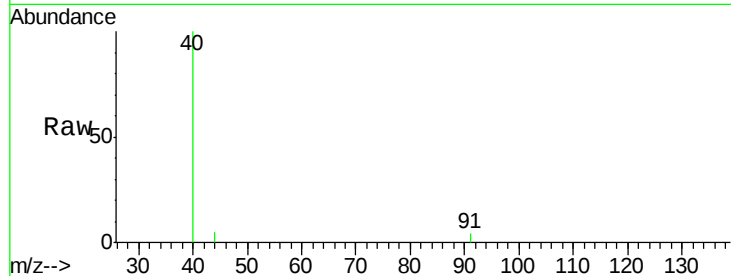
ClientSampleId :

Tot Ion: 91 Resp: 673

Ion Ratio Lower Upper

91 100

126 0.0 18.6 55.6#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

13.94

400

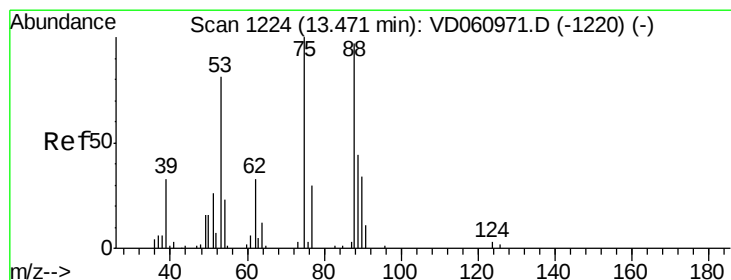
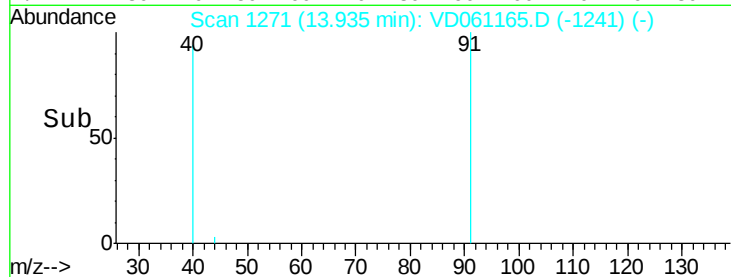
300

200

100

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 79.311 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

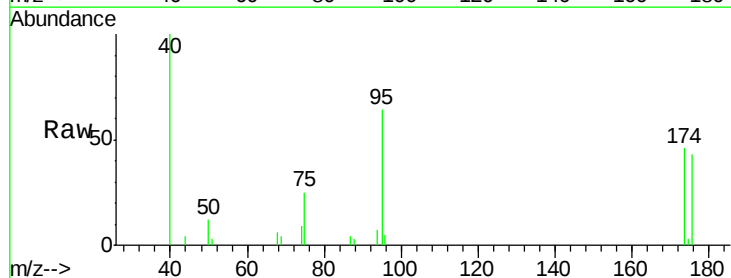
Tgt Ion: 75 Resp: 3475

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

13.54

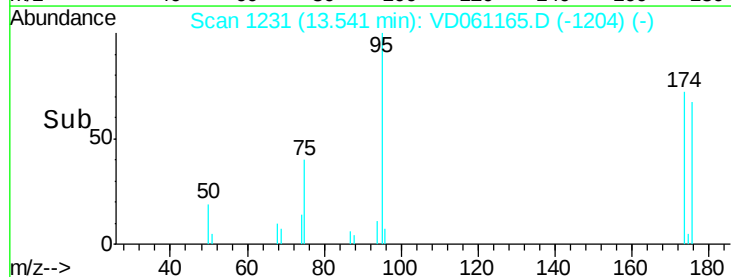
3000

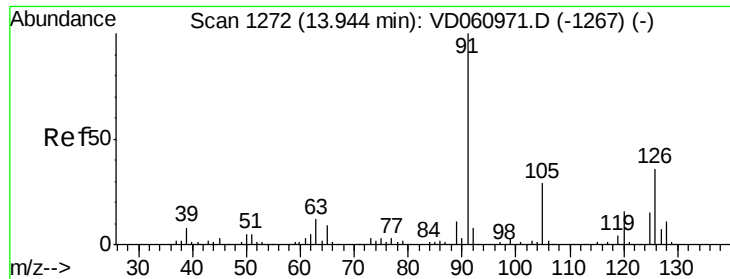
2000

1000

0

Time-->





#82

4-Chlorotoluene

Concen: 1.186 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

Instrument :

MSVOA_D

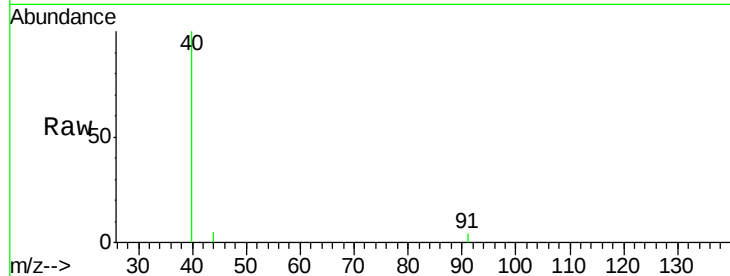
ClientSampleId :

Tot Ion: 91 Resp: 673

Ion Ratio Lower Upper

91 100

126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

13.94

400

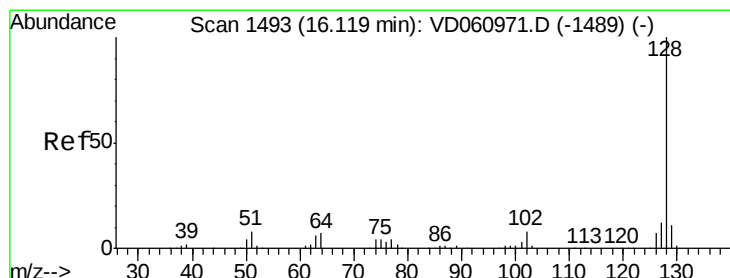
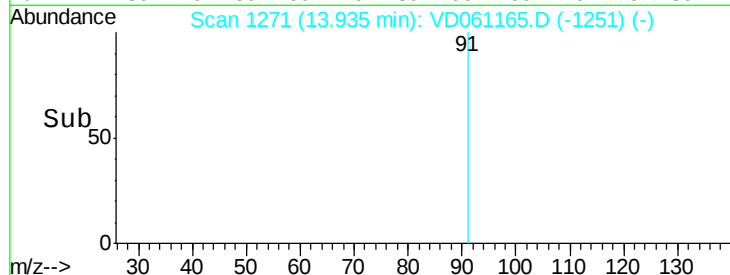
300

200

100

0

Time-->



#95

Naphthalene

Concen: 3.555 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061165.D

Acq: 19 Mar 2019 2:14

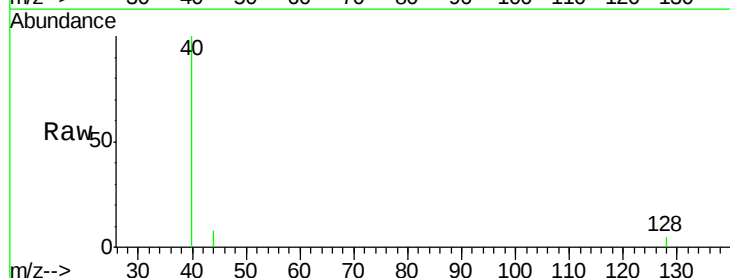
Tgt Ion: 128 Resp: 709

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

16.11

800

600

400

200

0

Time-->

