

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062121.D
 Acq On : 2 May 2019 20:06
 Operator : FY/SY
 Sample : K2667-03
 Misc : 4.56g/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 03 01:12:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	29981	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	48994	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	46658	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	19067	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	18513	78.90	ug/l	-0.03
Spiked Amount			Recovery	=	157.80%	
35) Dibromofluoromethane	6.90	113	19717	58.19	ug/l	-0.03
Spiked Amount			Recovery	=	116.38%	
50) Toluene-d8	10.39	98	34091	42.28	ug/l	-0.03
Spiked Amount			Recovery	=	84.56%	
62) 4-Bromofluorobenzene	13.54	95	16257	50.27	ug/l	-0.02
Spiked Amount			Recovery	=	100.54%	

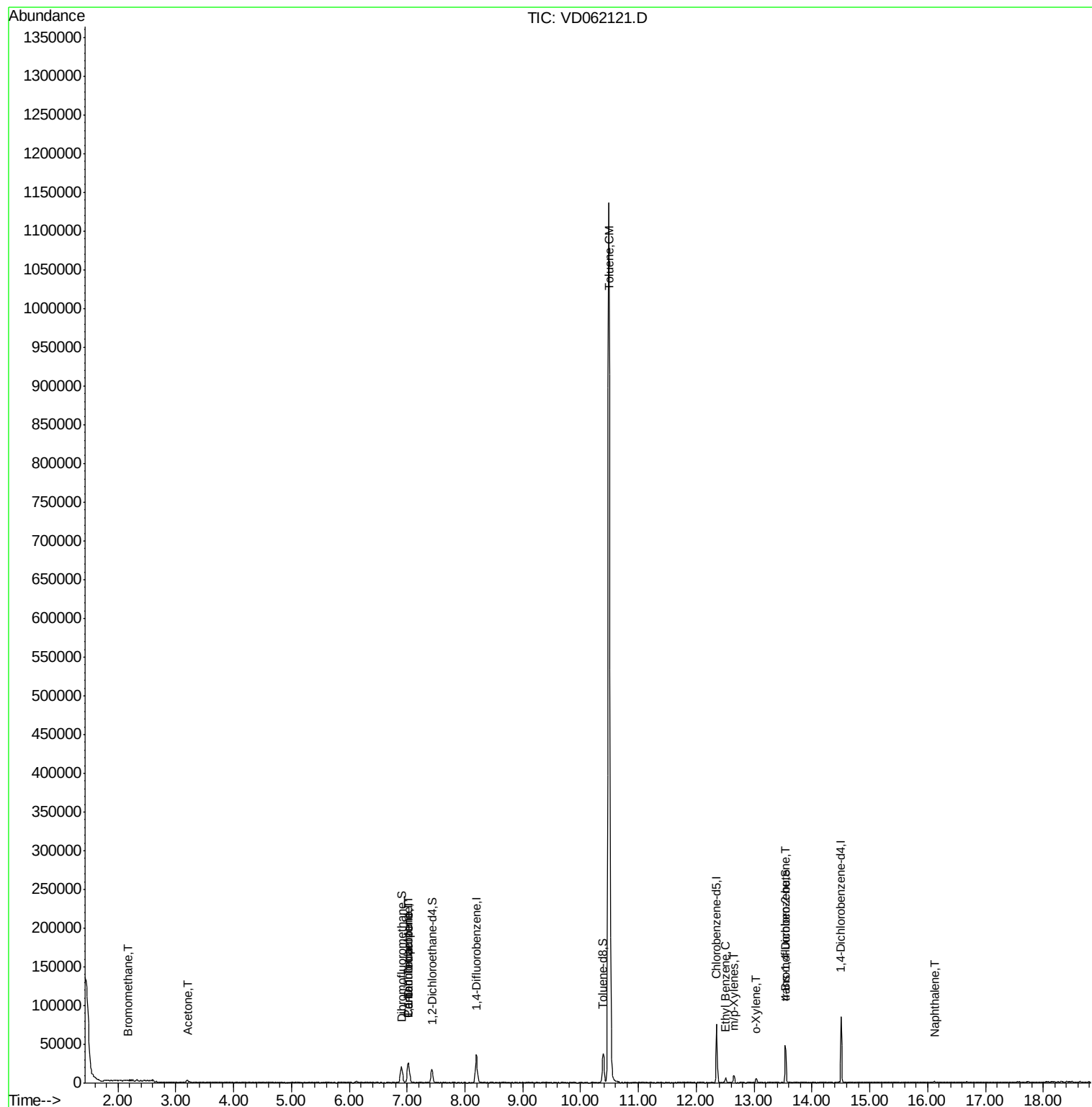
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	735	11.364	ug/l #	12
16) Acetone	3.19	43	5515	98.435	ug/l #	86
36) 1,1-Dichloropropene	7.01	75	1503	3.937	ug/l #	40
38) Carbon Tetrachloride	7.01	117	2653	5.485	ug/l #	12
52) Toluene	10.49	92	639230	1060.883	ug/l	99
67) Ethyl Benzene	12.51	91	6370	4.427	ug/l	99
68) m/p-Xylenes	12.64	106	3499	6.727	ug/l #	71
69) o-Xylene	13.04	106	1826	3.837	ug/l	85
81) trans-1,4-Dichloro-2-buten	13.54	75	6664	90.824	ug/l #	16
95) Naphthalene	16.12	128	799	1.740	ug/l #	70

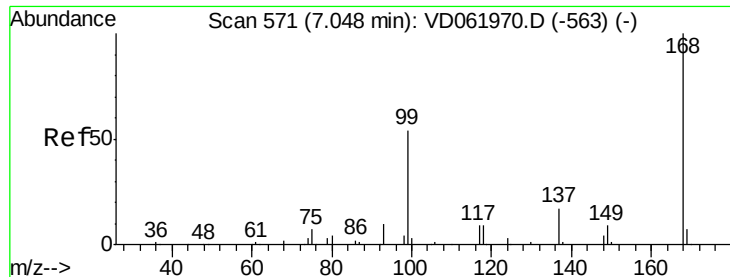
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062121.D

Acq: 2 May 2019 20:06

Instrument :

MSVOA_D

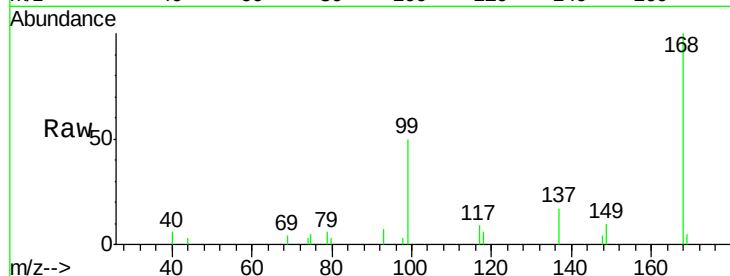
ClientSampleId :

Tot Ion:168 Resp: 29981

Ion Ratio Lower Upper

168 100

99 50.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

12000

10000

8000

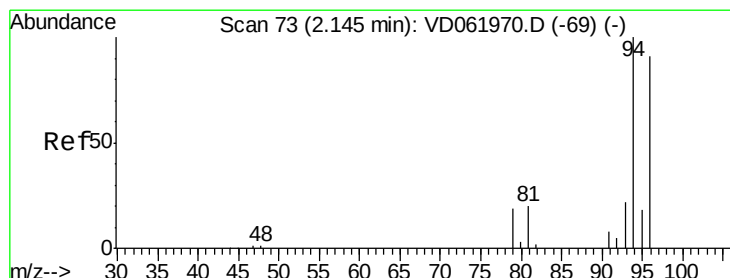
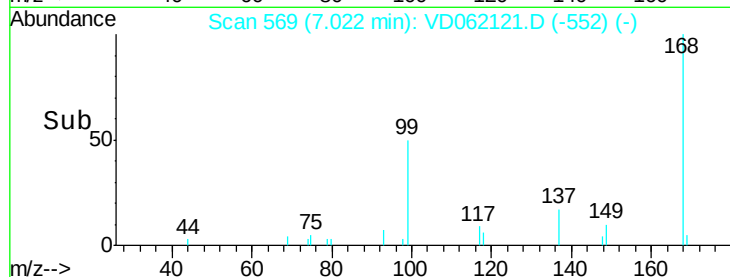
6000

4000

2000

0

Time--> 6.90 7.00 7.10



#5

Bromomethane

Concen: 11.364 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD062121.D

Acq: 2 May 2019 20:06

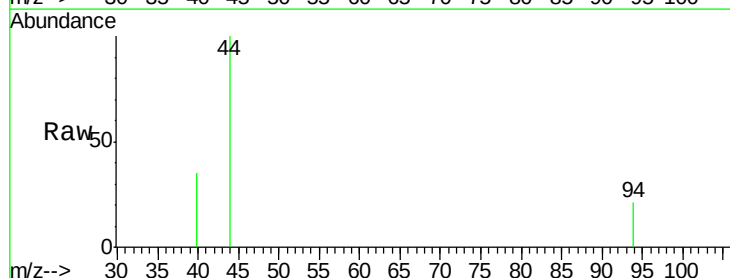
Tgt Ion: 94 Resp: 735

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



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

2.17

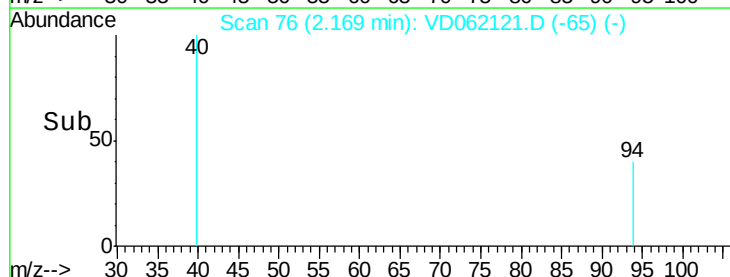
600

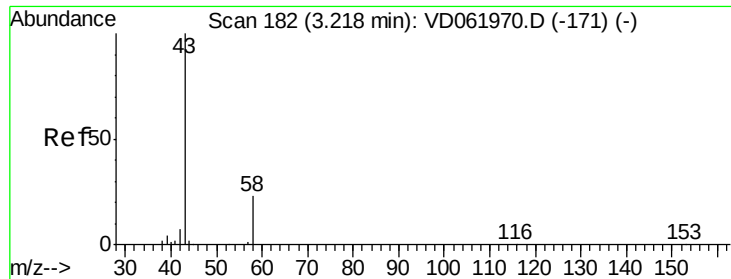
400

200

0

Time--> 2.14 2.16 2.18 2.20





#16

Acetone

Concen: 98.435 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062121.D

Acq: 2 May 2019 20:06

Instrument :

MSVOA_D

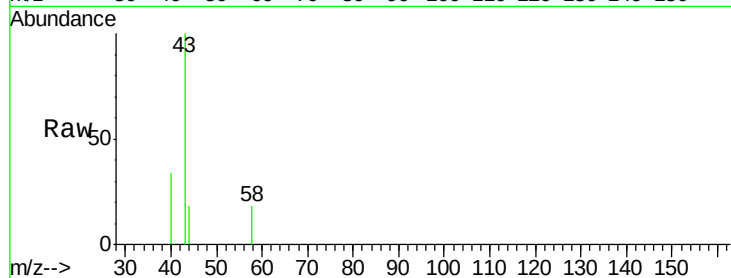
ClientSampleId :

Tot Ion: 43 Resp: 5515

Ion Ratio Lower Upper

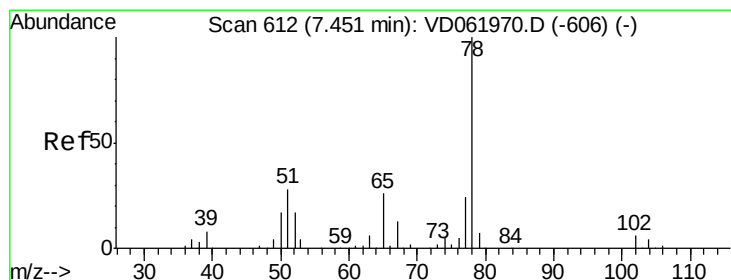
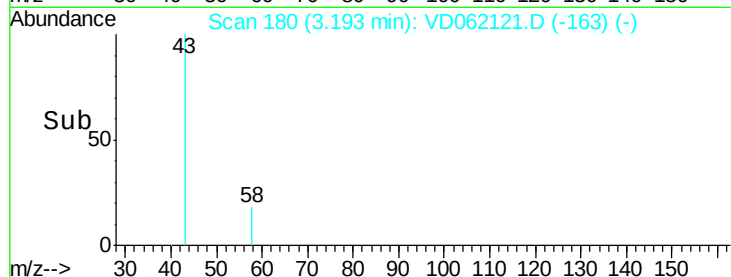
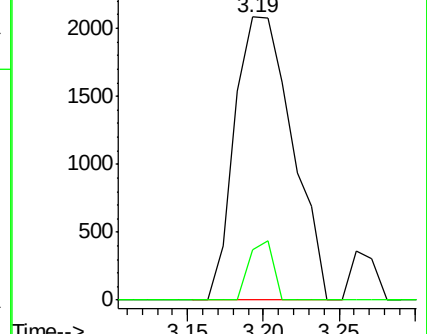
43 100

58 18.1 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 78.897 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062121.D

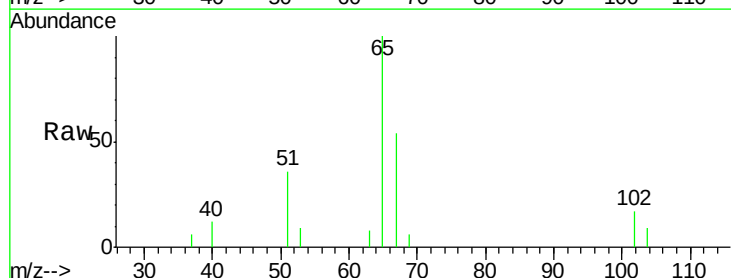
Acq: 2 May 2019 20:06

Tgt Ion: 65 Resp: 18513

Ion Ratio Lower Upper

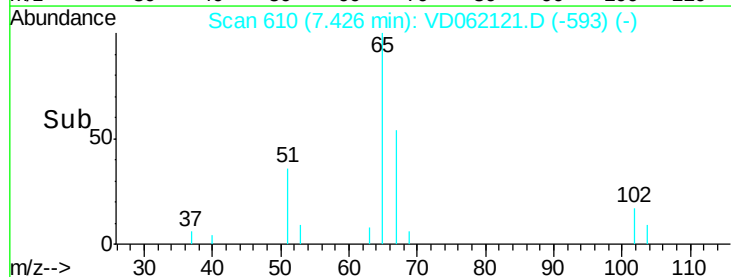
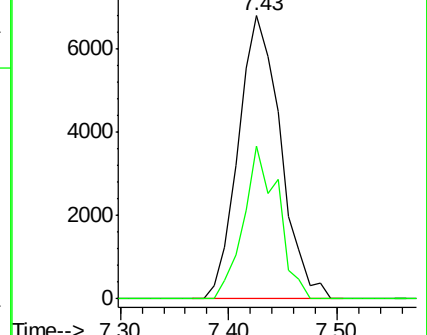
65 100

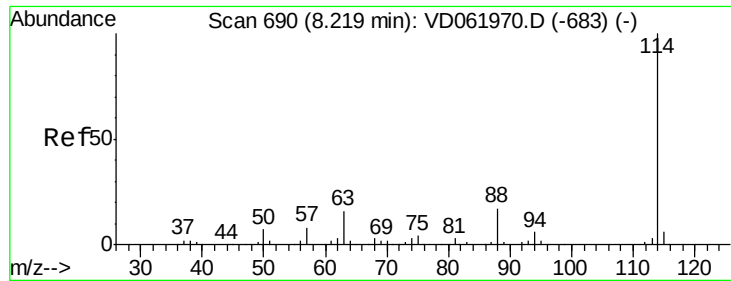
67 54.2 0.0 98.0



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: 8.19 min Scan# 688

Delta R.T. -0.03 min

Lab File: VD062121.D

Acq: 2 May 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

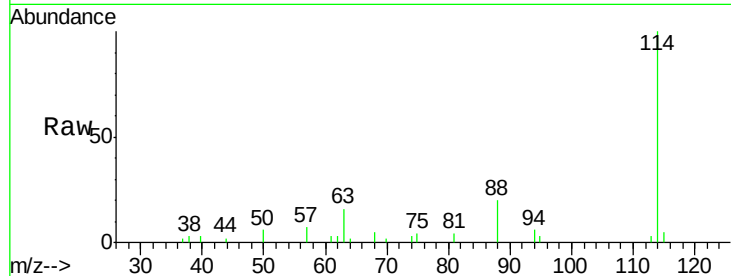
Tot Ion:114 Resp: 48994

Ion Ratio Lower Upper

114 100

63 15.7 0.0 32.4

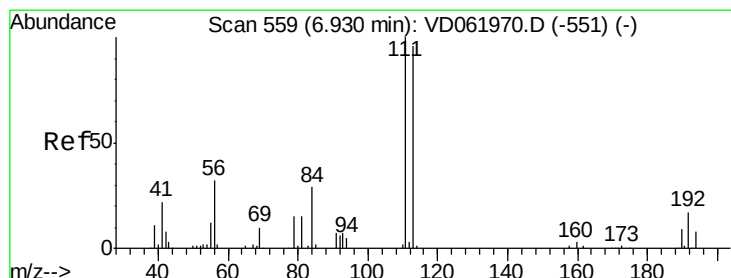
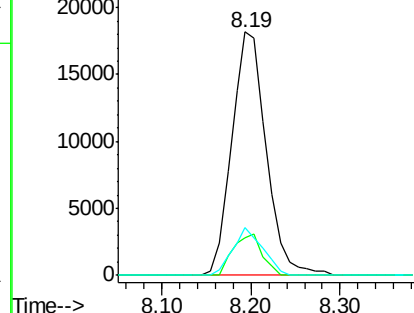
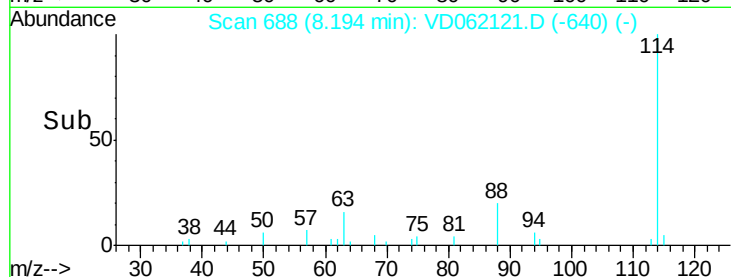
88 19.9 0.0 33.6



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: 58.190 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD062121.D

Acq: 2 May 2019 20:06

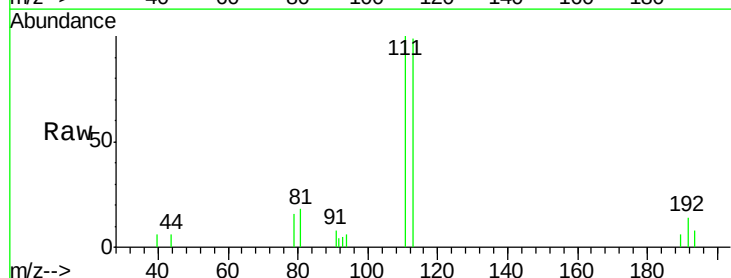
Tgt Ion:113 Resp: 19717

Ion Ratio Lower Upper

113 100

111 101.5 78.5 117.7

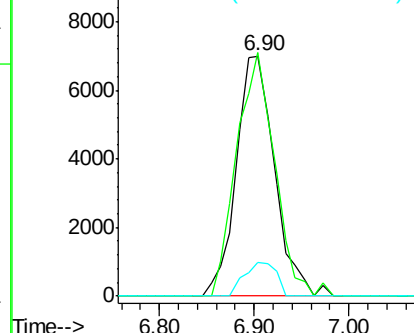
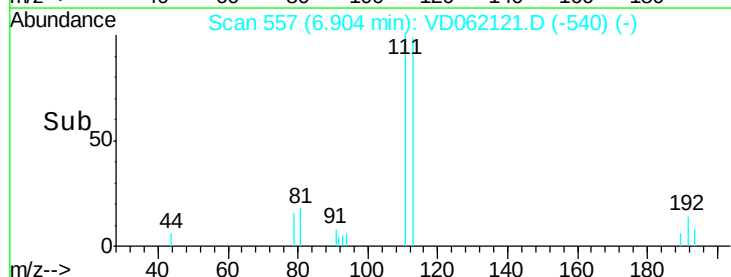
192 14.1 13.0 19.4

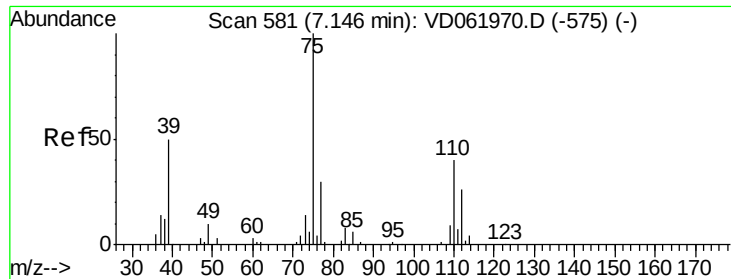


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 3.937 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.14 min

Lab File: VD062121.D

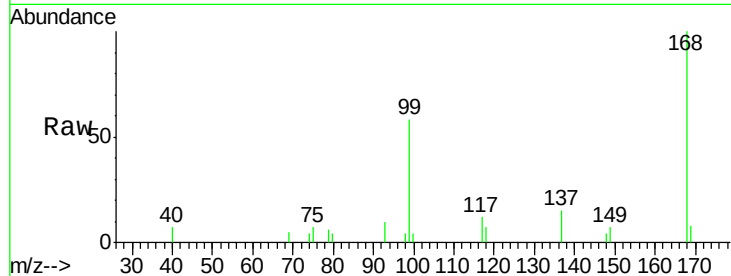
Acq: 2 May 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	75	Resp:	1503
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.1	57.1#
77	0.0	25.6	38.4#



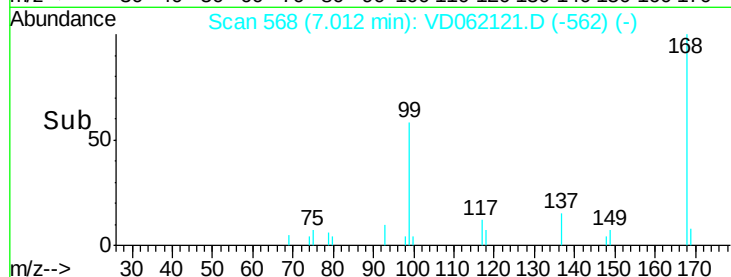
Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

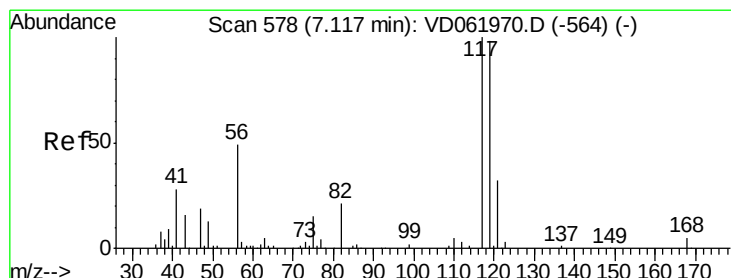
Ion 76.95 (76.65 to 77.65): V

7.01

6.95 7.00 7.05



Time-->



#38

Carbon Tetrachloride

Concen: 5.485 ug/l

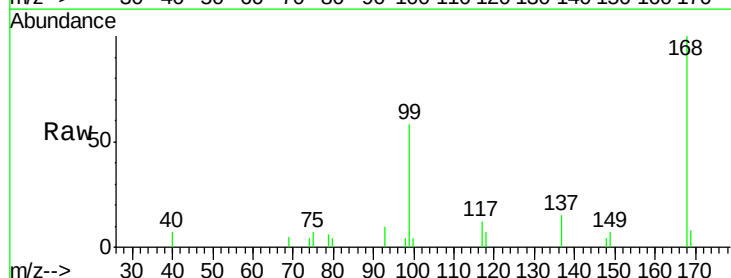
RT: 7.01 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD062121.D

Acq: 2 May 2019 20:06

Tgt Ion:	117	Resp:	2653
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
121	0.0	25.9	38.9#



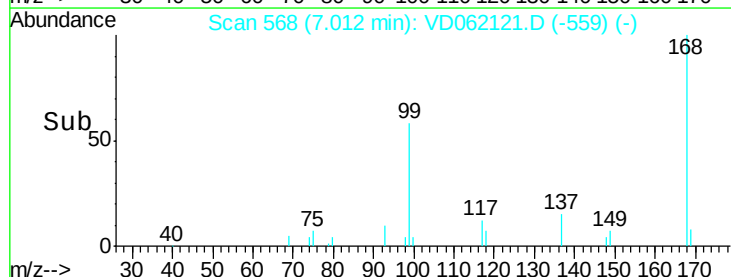
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

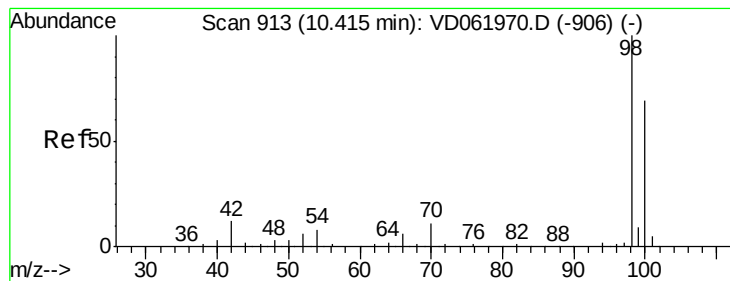
Ion 120.85 (120.55 to 121.55): V

7.01

6.95 7.00 7.05 7.10



Time-->



#50

Toluene-d8

Concen: 42.282 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD062121.D

Acq: 2 May 2019 20:06

Instrument :

MSVOA_D

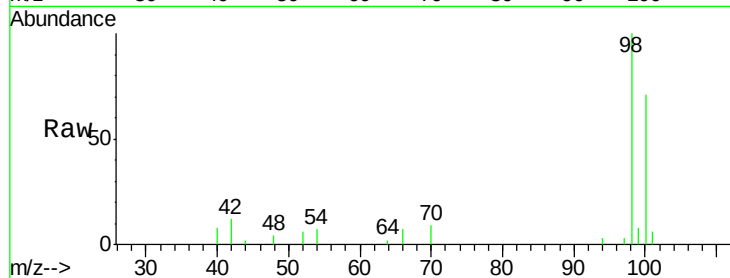
ClientSampleId :

Tot Ion: 98 Resp: 34091

Ion Ratio Lower Upper

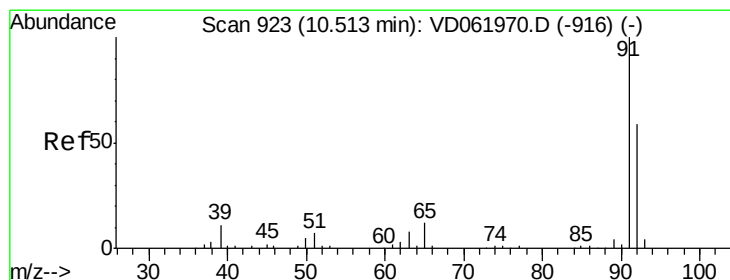
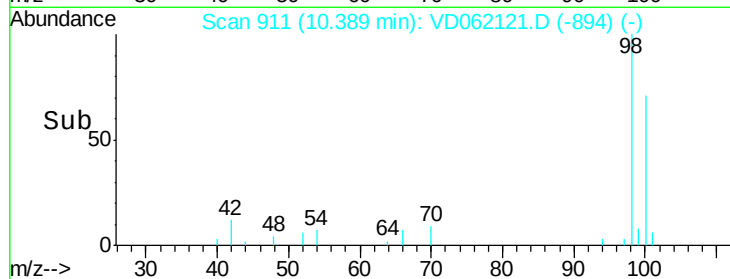
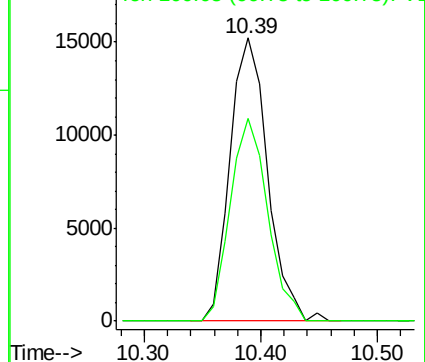
98 100

100 71.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 1060.883 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.03 min

Lab File: VD062121.D

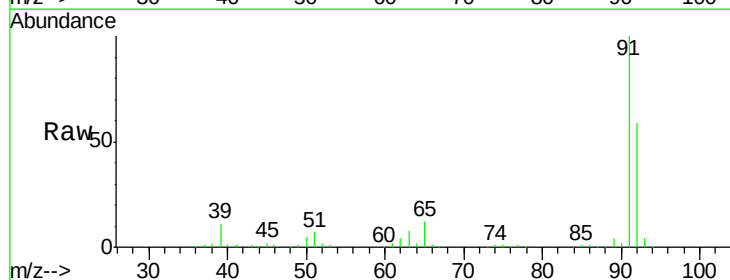
Acq: 2 May 2019 20:06

Tgt Ion: 92 Resp: 639230

Ion Ratio Lower Upper

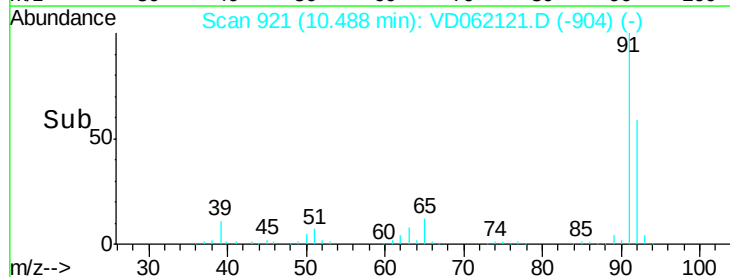
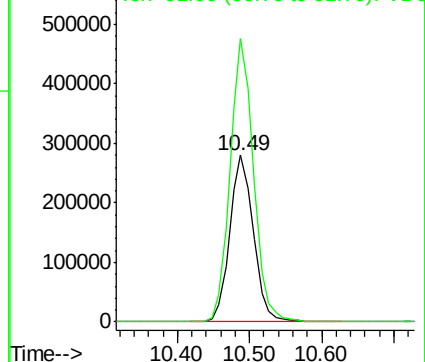
92 100

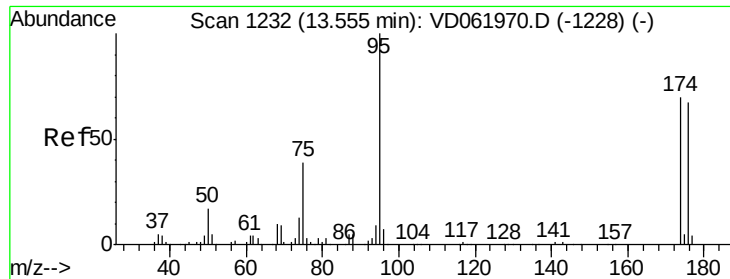
91 169.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

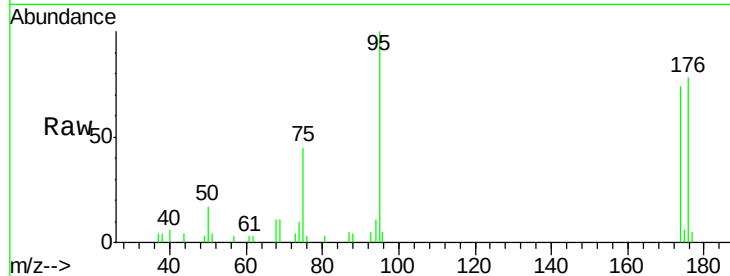




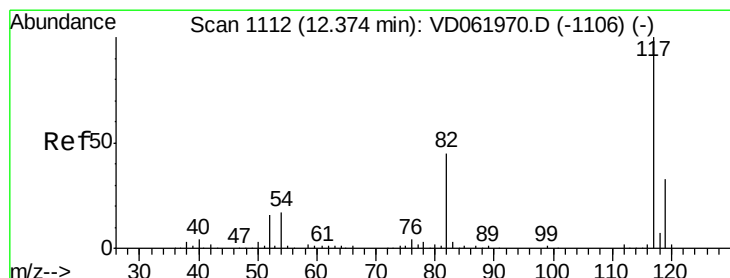
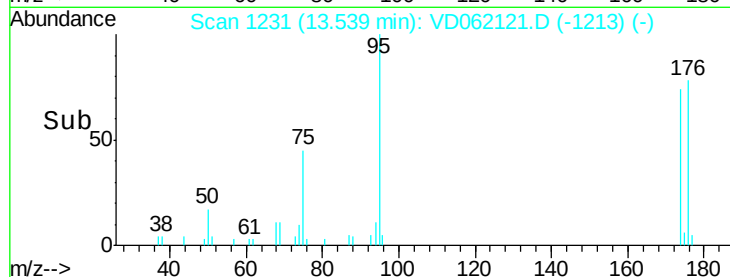
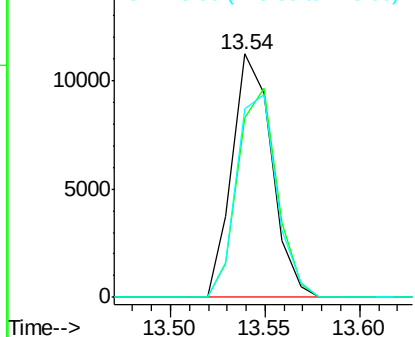
#62
4-Bromofluorobenzene
Concen: 50.271 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD062121.D
Acq: 2 May 2019 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 16257
Ion Ratio Lower Upper
95 100
174 73.7 0.0 181.8
176 77.6 0.0 174.4

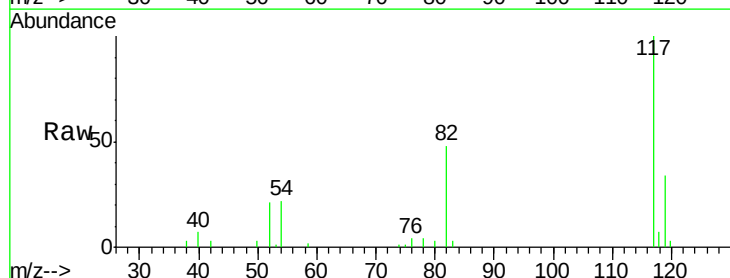


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

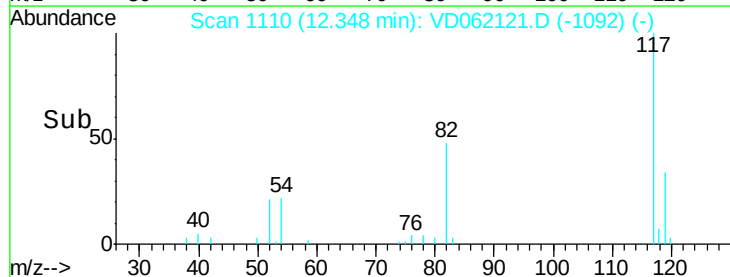
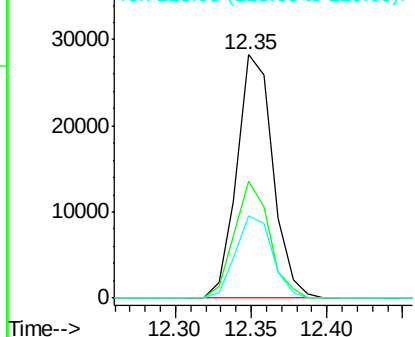


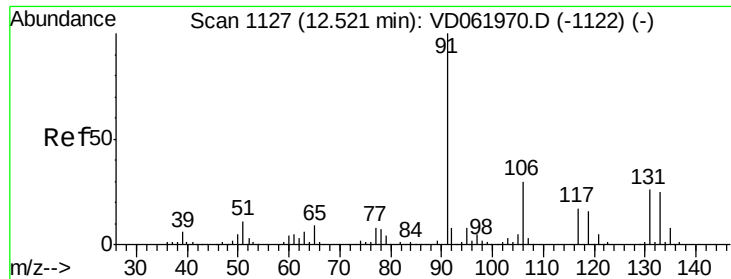
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062121.D
Acq: 2 May 2019 20:06

Tgt Ion: 117 Resp: 46658
Ion Ratio Lower Upper
117 100
82 47.9 36.2 54.2
119 33.9 26.2 39.4



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

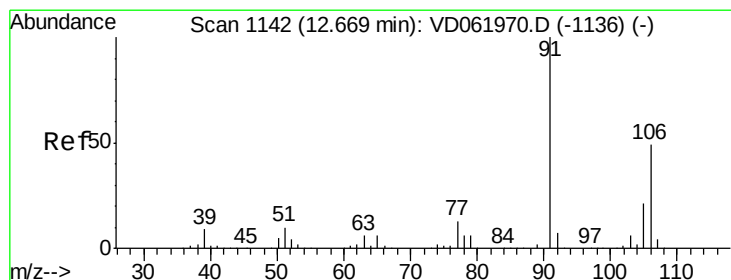
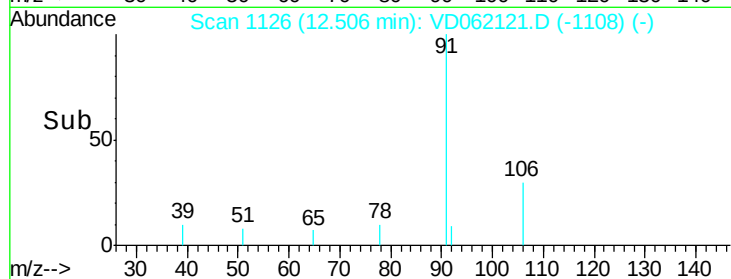
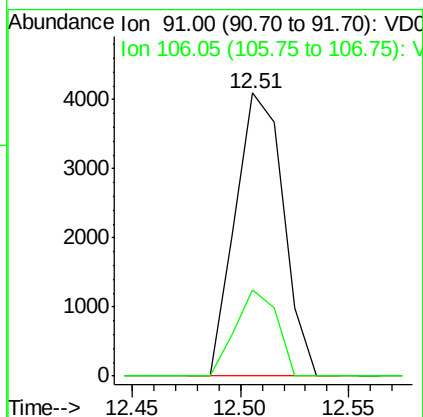
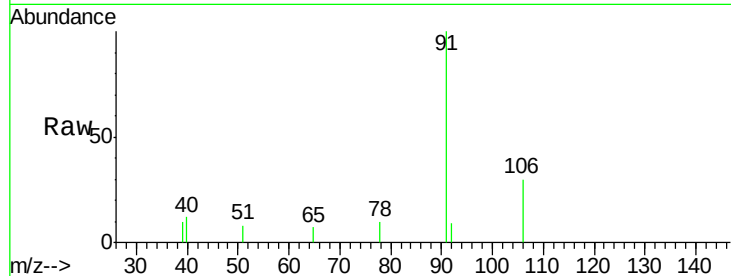




#67
Ethyl Benzene
Concen: 4.427 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062121.D
Acq: 2 May 2019 20:06

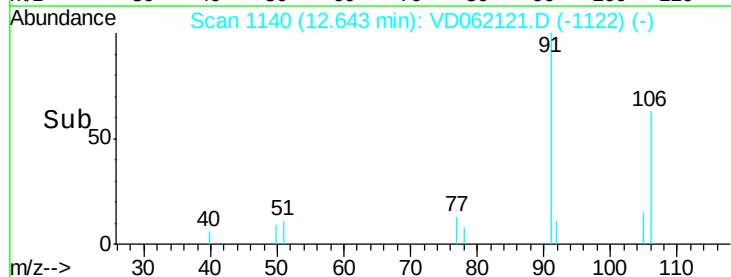
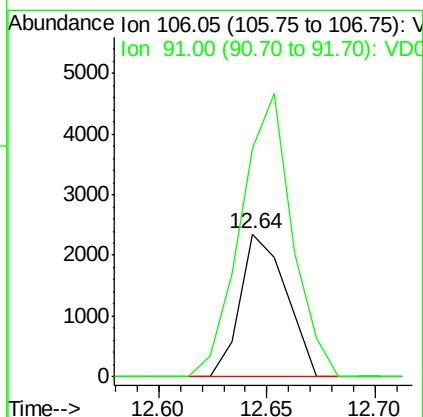
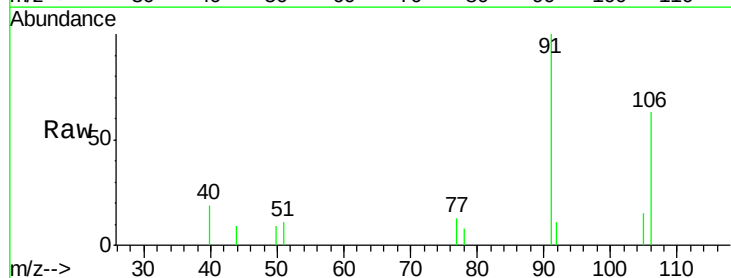
Instrument :
MSVOA_D
ClientSampleId :

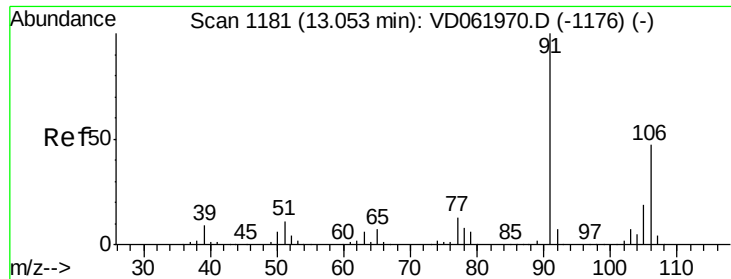
Tot Ion: 91 Resp: 6370
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1



#68
m/p-Xylenes
Concen: 6.727 ug/l
RT: 12.64 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD062121.D
Acq: 2 May 2019 20:06

Tgt Ion: 106 Resp: 3499
Ion Ratio Lower Upper
106 100
91 159.7 164.0 246.0#

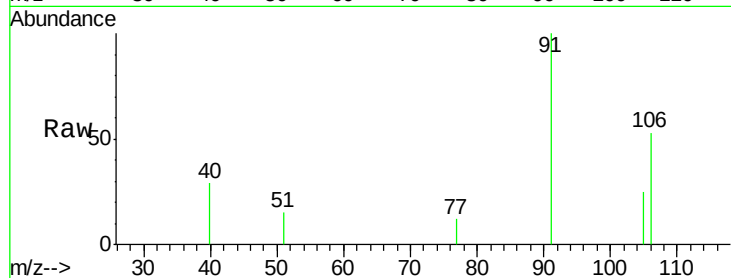




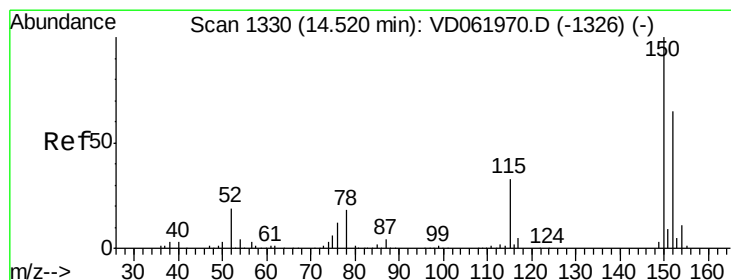
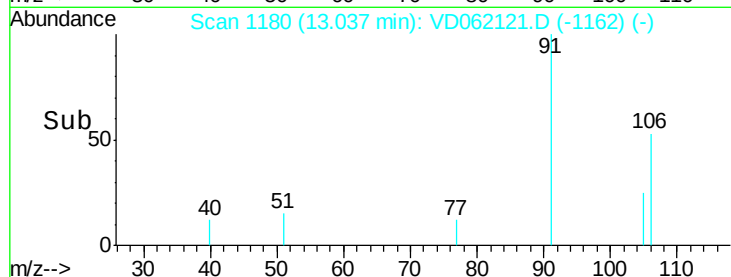
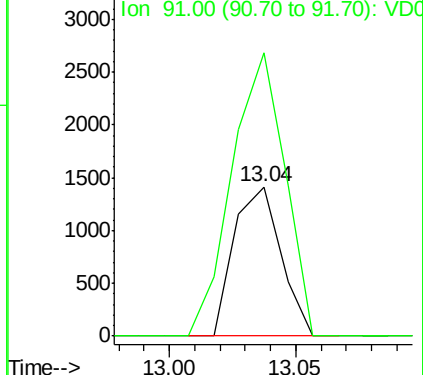
#69
o-Xylene
Concen: 3.837 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062121.D
Acq: 2 May 2019 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 1826
Ion Ratio Lower Upper
106 100
91 189.7 106.7 319.9

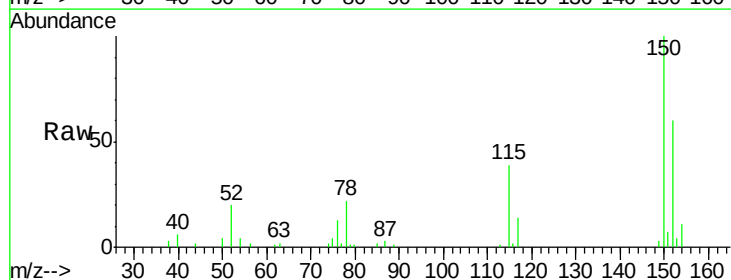


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

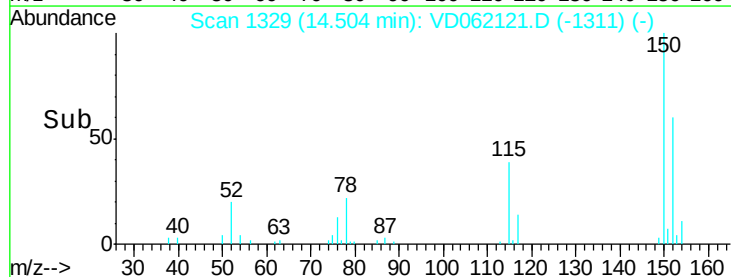
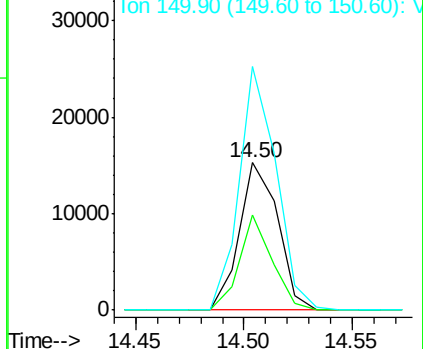


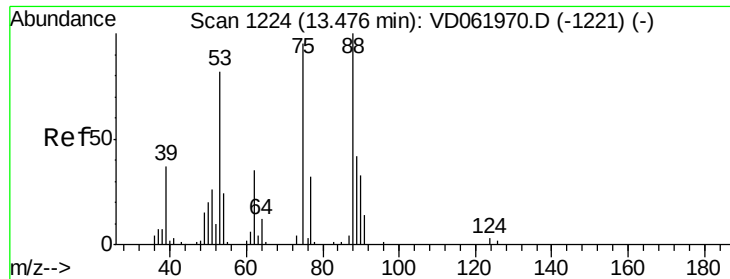
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062121.D
Acq: 2 May 2019 20:06

Tgt Ion:152 Resp: 19067
Ion Ratio Lower Upper
152 100
115 64.9 30.9 92.7
150 165.4 0.0 314.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 90.824 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062121.D

Acq: 2 May 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

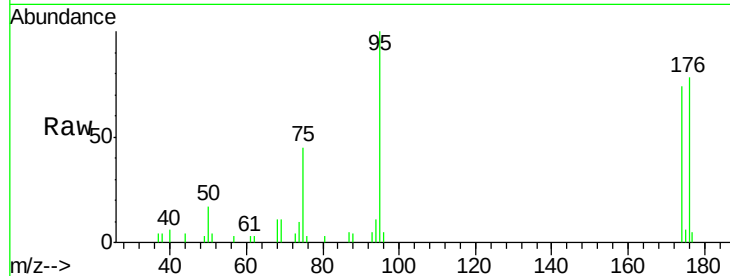
Tot Ion: 75 Resp: 6664

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

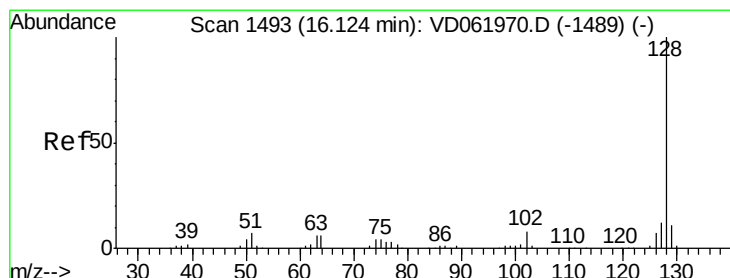
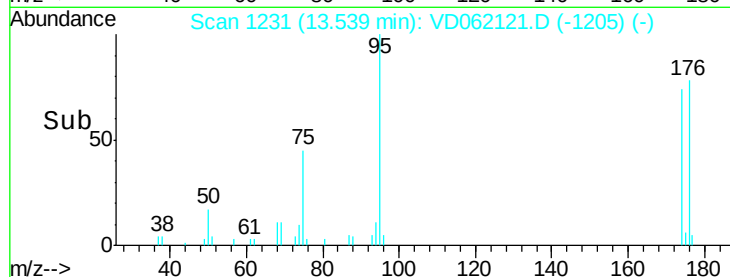
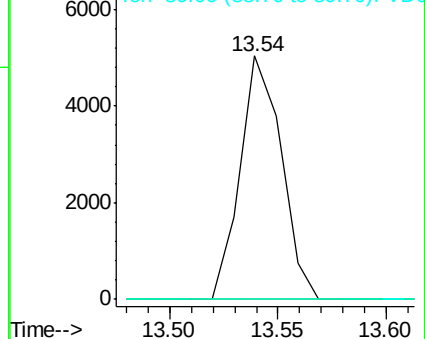
89 0.0 35.0 52.6#



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



#95

Naphthalene

Concen: 1.740 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062121.D

Acq: 2 May 2019 20:06

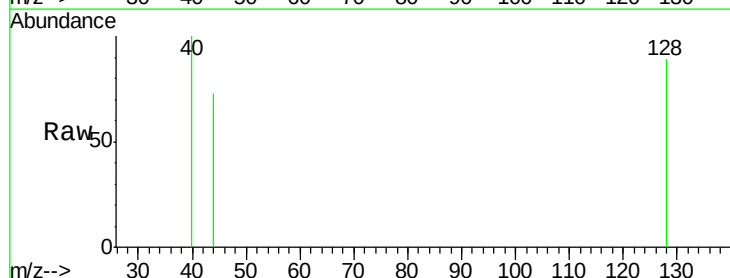
Tgt Ion: 128 Resp: 799

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#



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

