

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062079.D
 Acq On : 29 Apr 2019 22:58
 Operator : FY/SY
 Sample : K2199-19
 Misc : 5.69µm/5mL/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 01:13:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	378447	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	631608	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	443651	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	211290	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	216948	73.25	ug/l	-0.02
Spiked Amount			Recovery	=	146.50%	
35) Dibromofluoromethane	6.90	113	303750	69.54	ug/l	-0.03
Spiked Amount			Recovery	=	139.08%	
50) Toluene-d8	10.39	98	593377	57.09	ug/l	-0.03
Spiked Amount			Recovery	=	114.18%	
62) 4-Bromofluorobenzene	13.55	95	270083	64.78	ug/l	-0.01
Spiked Amount			Recovery	=	129.56%	

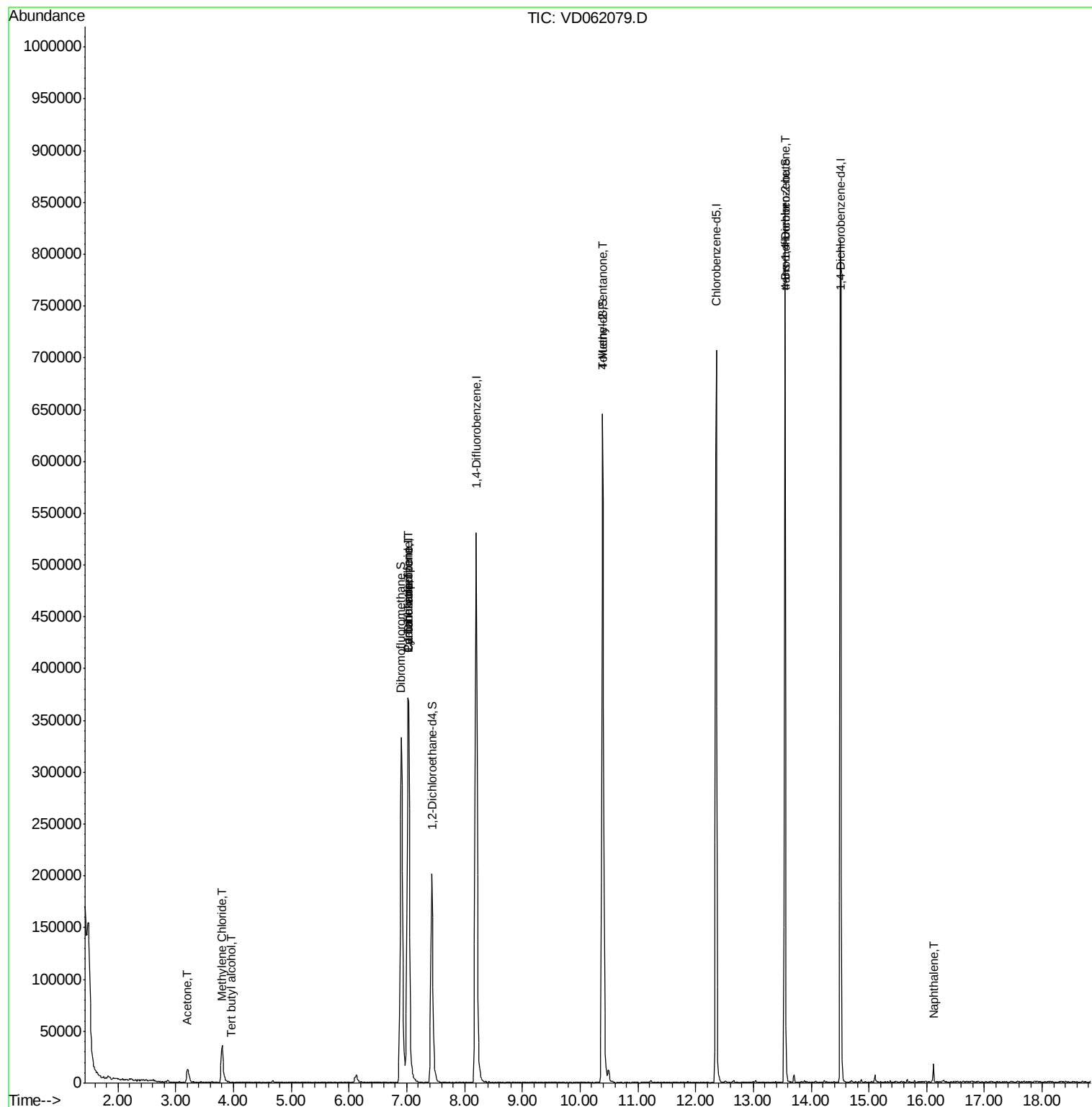
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	217	Below Cal	#	12
11) Tert butyl alcohol	3.96	59	186	1.111	ug/l #	76
16) Acetone	3.20	43	26761	37.840	ug/l	99
18) Methyl Acetate	3.63	43	701	Below Cal	#	53
20) Methylene Chloride	3.80	84	27679	5.181	ug/l	97
31) Cyclohexane	7.02	56	7147	1.620	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	28098	5.710	ug/l #	47
38) Carbon Tetrachloride	7.02	117	37238	5.972	ug/l #	17
51) 4-Methyl-2-Pentanone	10.38	43	2376	1.268	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	105437	129.677	ug/l #	16
95) Naphthalene	16.12	128	13585	2.670	ug/l	98

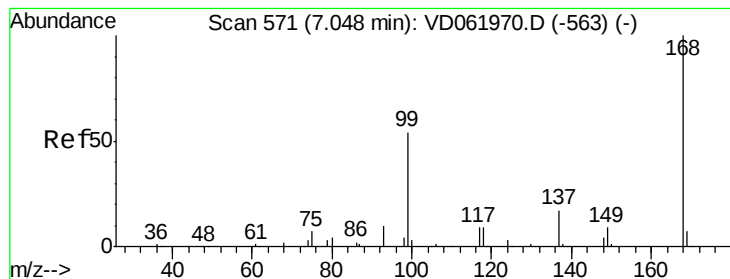
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042919\
Data File : VD062079.D
Acq On : 29 Apr 2019 22:58
Operator : FY/SY
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Misc : 5.69µm/5mL/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 30 01:13:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062079.D

Acq: 29 Apr 2019 22:58

Instrument :

MSVOA_D

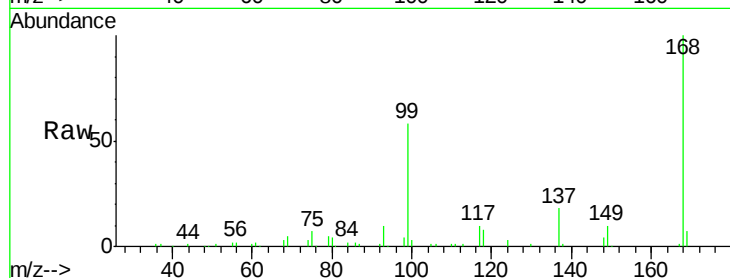
ClientSampleId :

Tot Ion:168 Resp: 378447

Ion Ratio Lower Upper

168 100

99 57.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

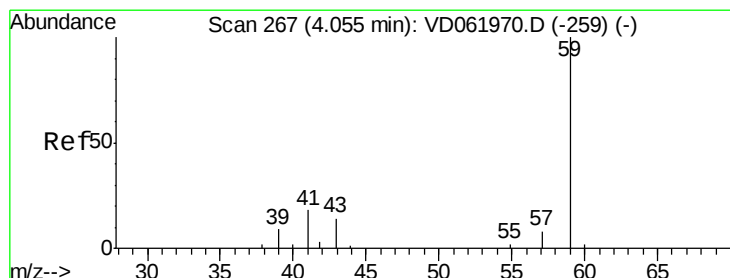
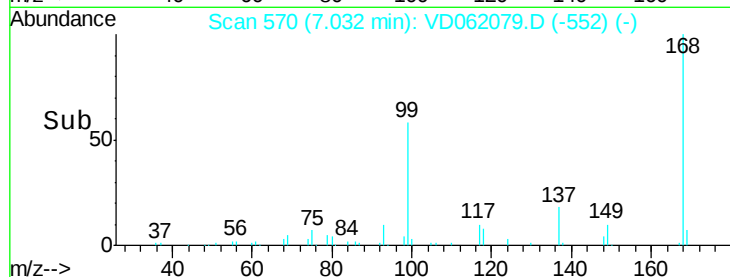
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#11

Tert butyl alcohol

Concen: 1.111 ug/l

RT: 3.96 min Scan# 258

Delta R.T. -0.10 min

Lab File: VD062079.D

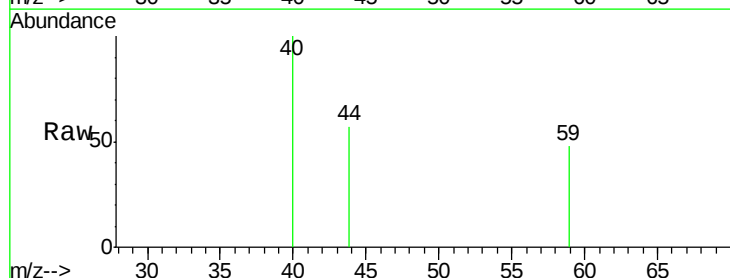
Acq: 29 Apr 2019 22:58

Tgt Ion: 59 Resp: 186

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.96

300

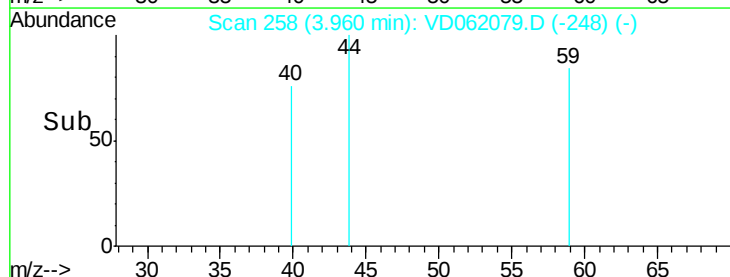
200

100

0

3.94 3.96 3.98

Time-->

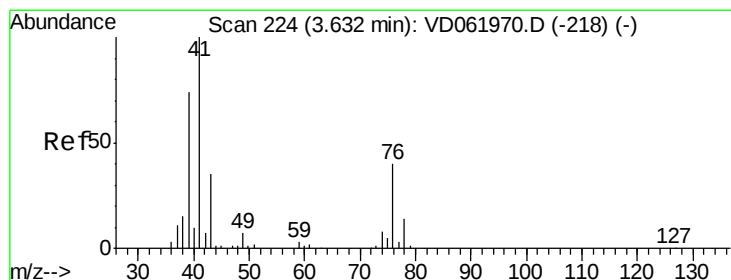
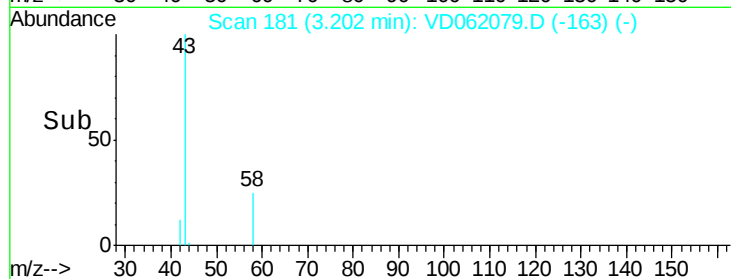
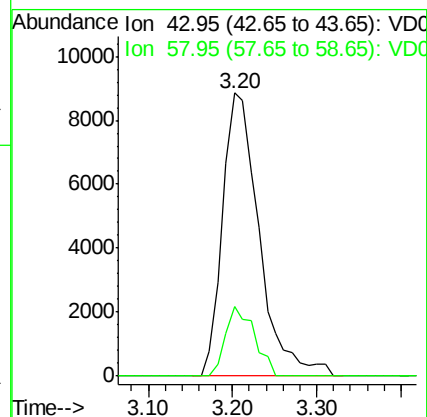
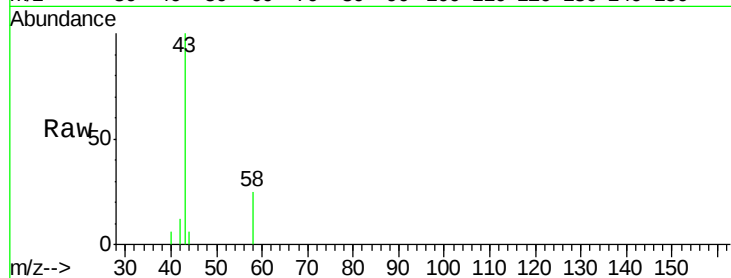




#16
Acetone
Concen: 37.840 ug/l
RT: 3.20 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD062079.D
Acq: 29 Apr 2019 22:58

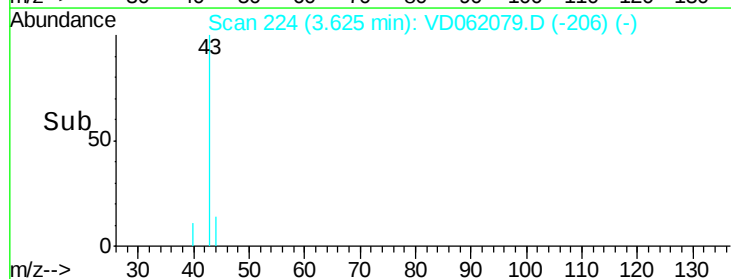
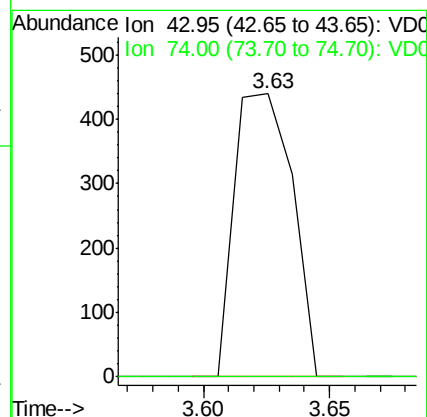
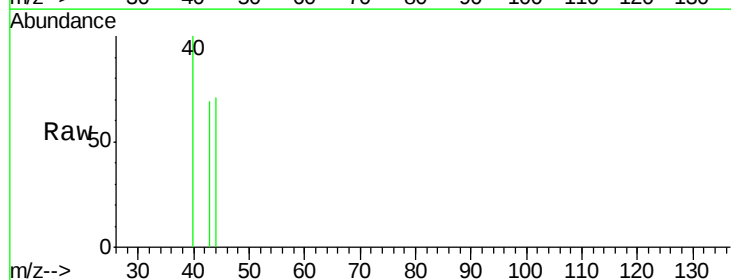
Instrument :
MSVOA_D
ClientSampleId :

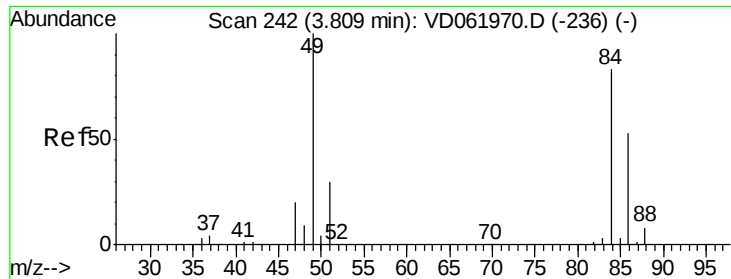
Tot Ion: 43 Resp: 26761
Ion Ratio Lower Upper
43 100
58 24.6 19.9 29.9



#18
Methyl Acetate
Concen: Below Cal
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062079.D
Acq: 29 Apr 2019 22:58

Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#

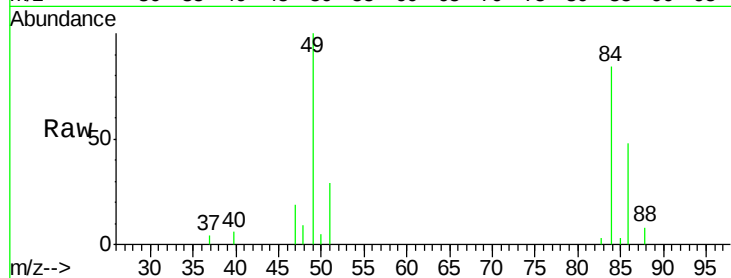




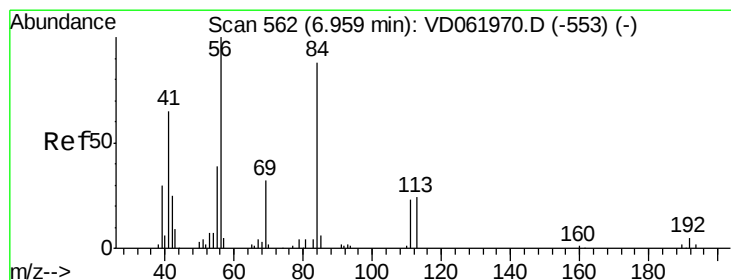
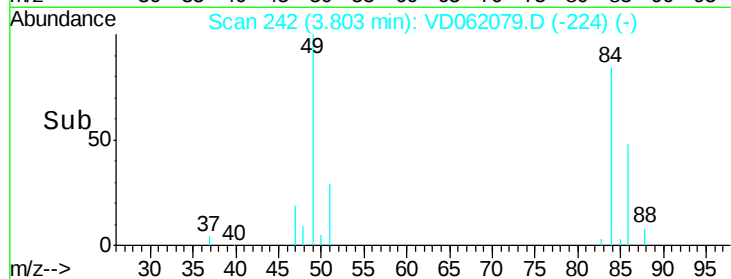
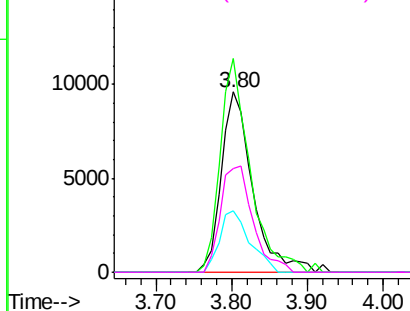
#20
Methylene Chloride
Concen: 5.181 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062079.D
Acq: 29 Apr 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 27679
Ion Ratio Lower Upper
84 100
49 118.6 94.0 141.0
51 33.8 29.0 43.4
86 57.5 49.8 74.6

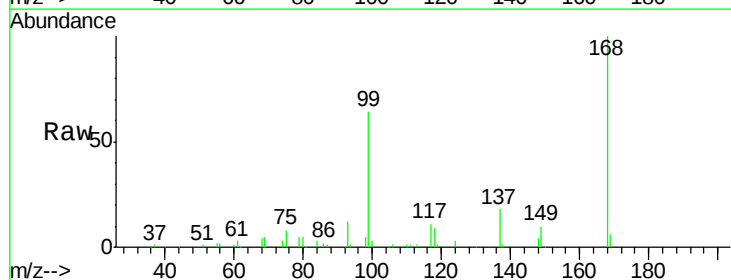


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

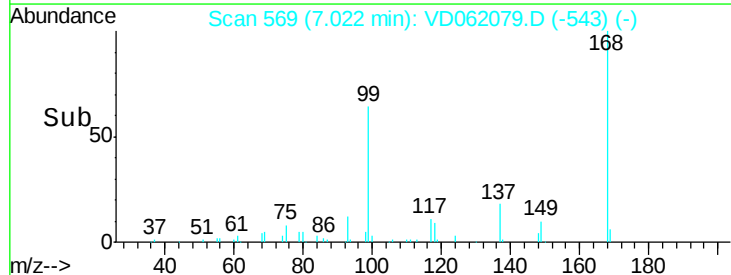
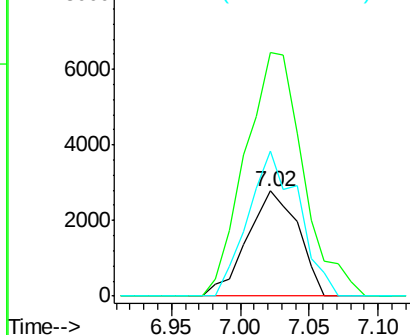


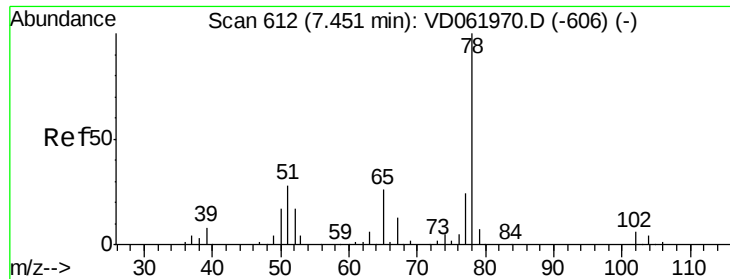
#31
Cyclohexane
Concen: 1.620 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD062079.D
Acq: 29 Apr 2019 22:58

Tgt Ion: 56 Resp: 7147
Ion Ratio Lower Upper
56 100
69 232.1 25.8 38.6#
84 138.0 72.2 108.4#



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: 73.245 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062079.D

Acq: 29 Apr 2019 22:58

Instrument :

MSVOA_D

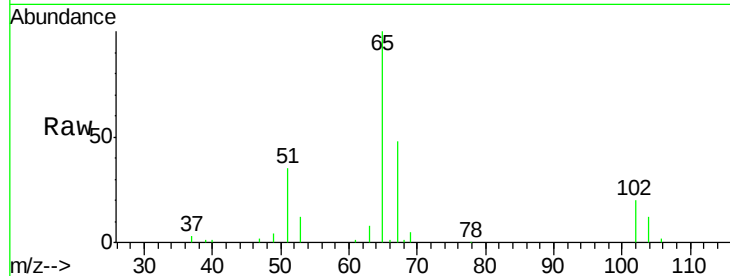
ClientSampleId :

Tot Ion: 65 Resp: 216948

Ion Ratio Lower Upper

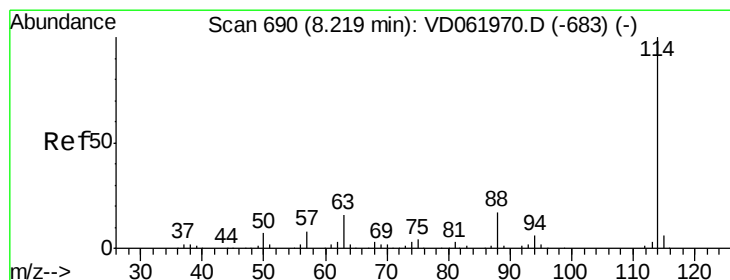
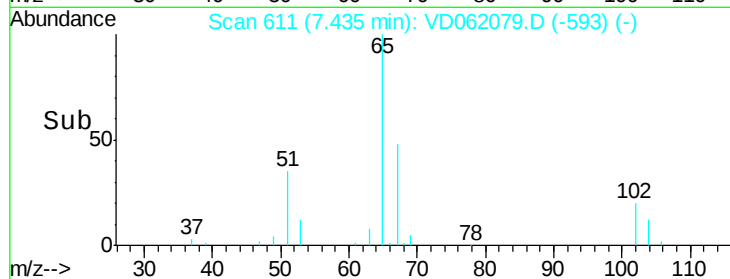
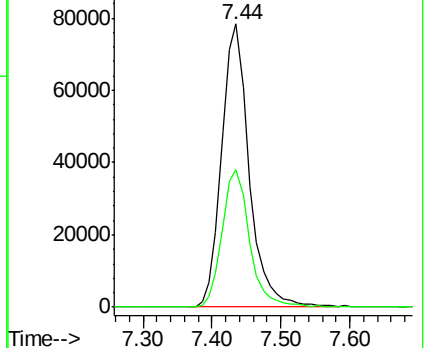
65 100

67 48.5 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: 8.20 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD062079.D

Acq: 29 Apr 2019 22:58

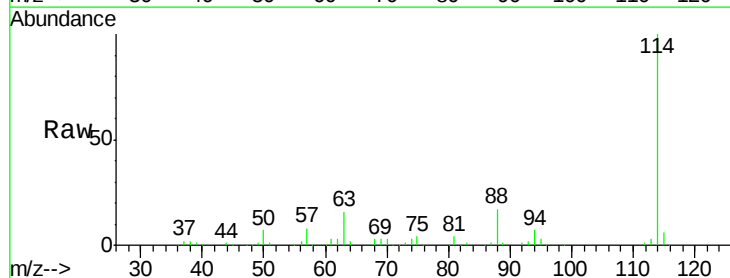
Tgt Ion: 114 Resp: 631608

Ion Ratio Lower Upper

114 100

63 16.5 0.0 32.4

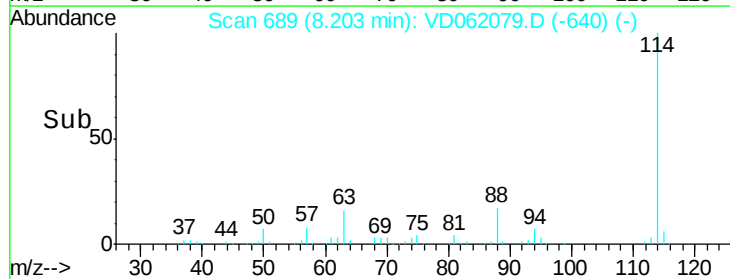
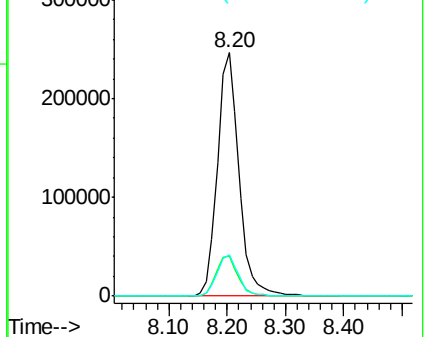
88 17.2 0.0 33.6

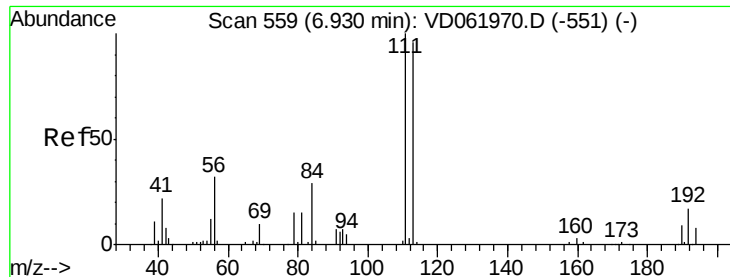


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 69.537 ug/l

RT: 6.90 min Scan# 557

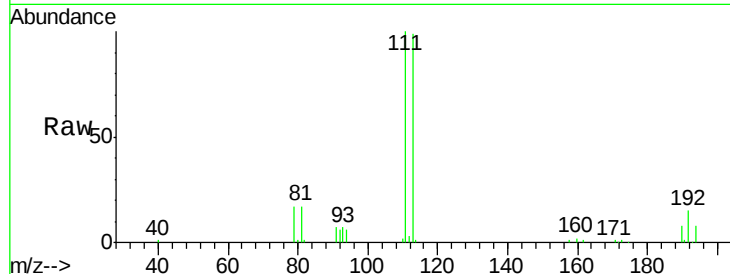
Delta R.T. -0.03 min

Lab File: VD062079.D

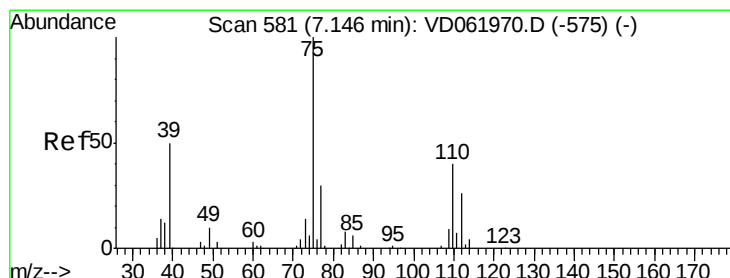
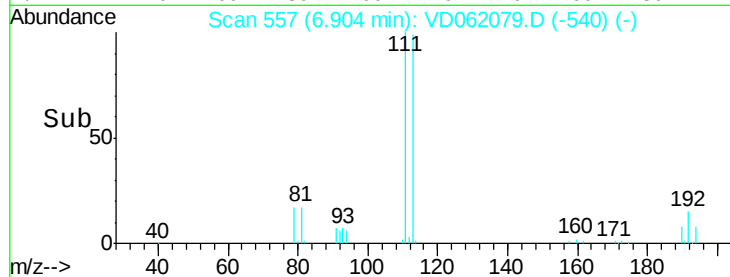
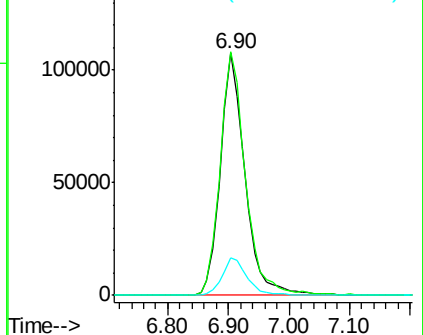
Acq: 29 Apr 2019 22:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	113	Resp:	303750
Ion	Ratio	Lower	Upper
113	100		
111	100.7	78.5	117.7
192	15.4	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: 5.710 ug/l

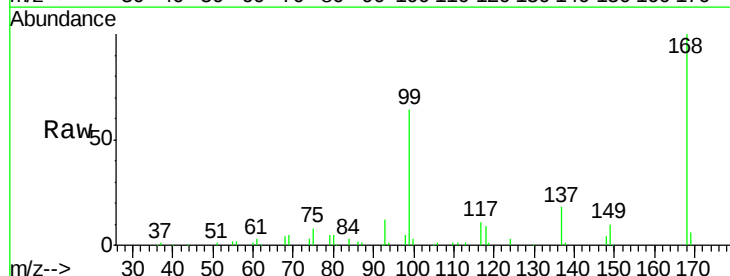
RT: 7.02 min Scan# 569

Delta R.T. -0.13 min

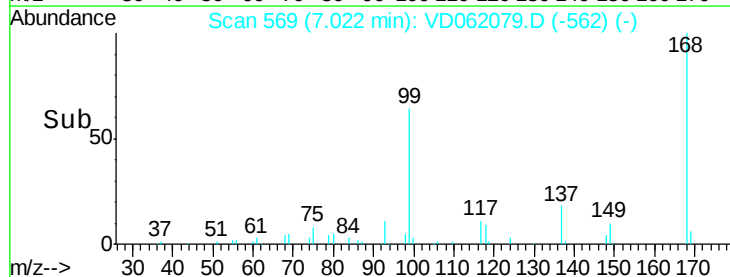
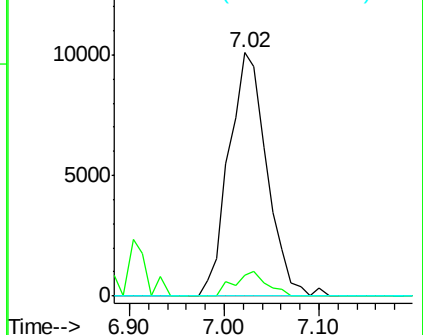
Lab File: VD062079.D

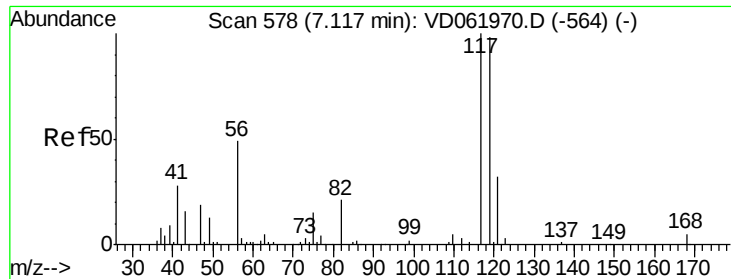
Acq: 29 Apr 2019 22:58

Tgt Ion:	75	Resp:	28098
Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.1	57.1#
77	0.0	25.6	38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.972 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD062079.D

Acq: 29 Apr 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

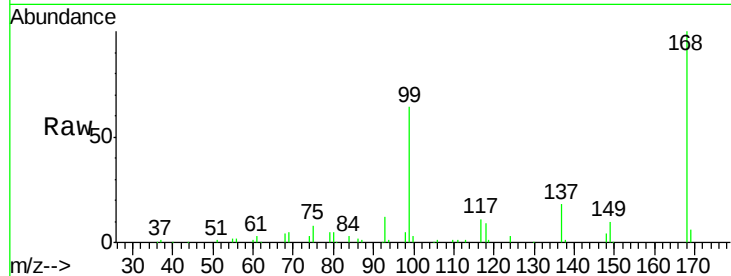
Tot Ion:117 Resp: 37238

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.8#

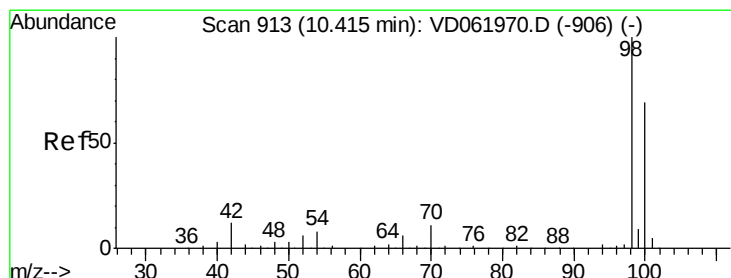
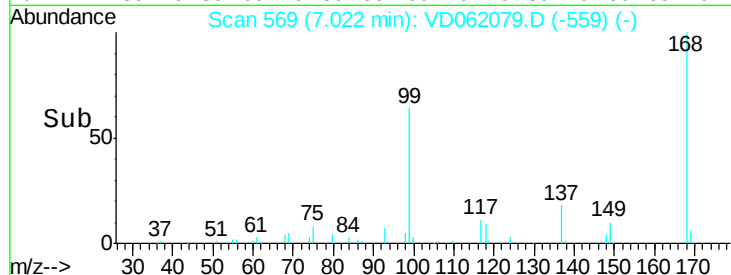
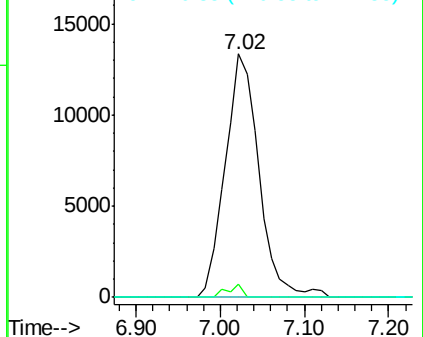
121 0.0 25.9 38.9#



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



#50

Toluene-d8

Concen: 57.088 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD062079.D

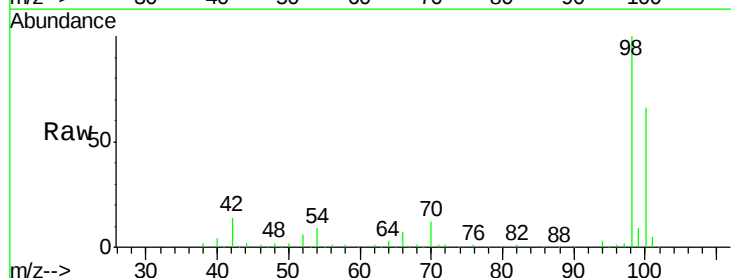
Acq: 29 Apr 2019 22:58

Tgt Ion: 98 Resp: 593377

Ion Ratio Lower Upper

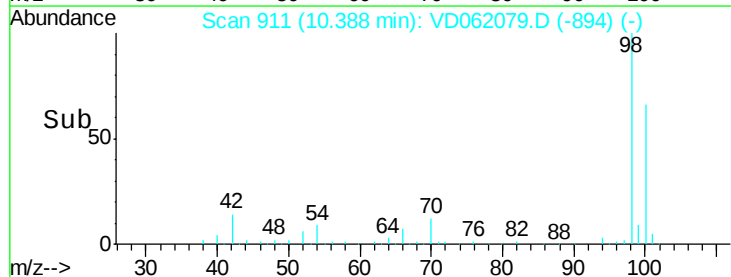
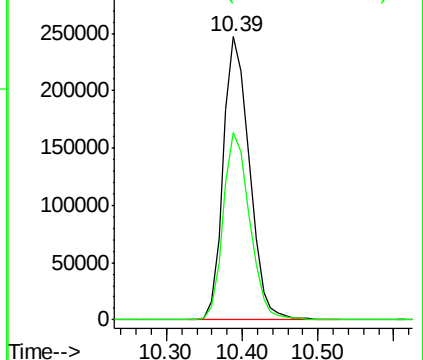
98 100

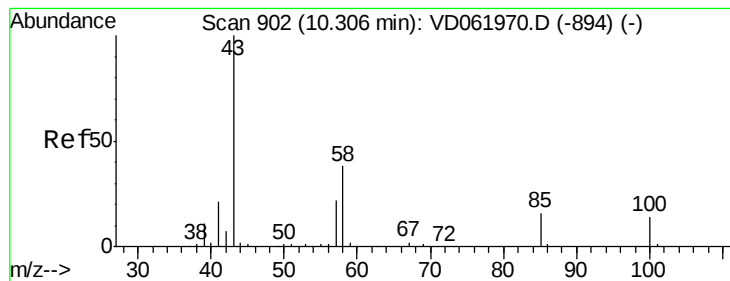
100 66.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.268 ug/l

RT: 10.38 min Scan# 910

Delta R.T. 0.08 min

Lab File: VD062079.D

Acq: 29 Apr 2019 22:58

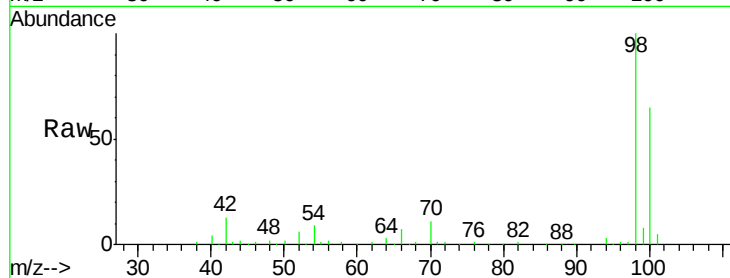
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2376

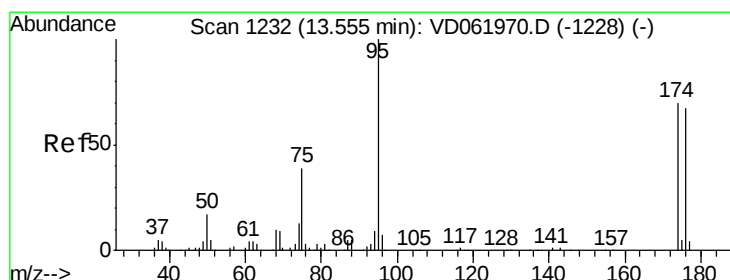
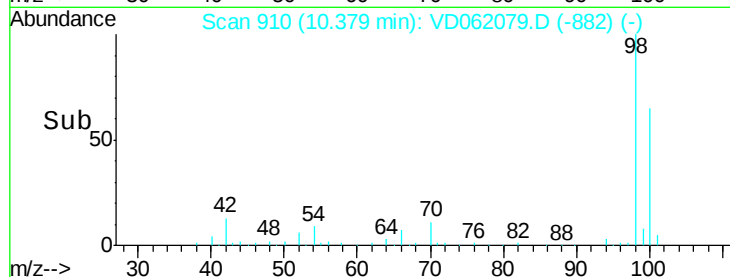
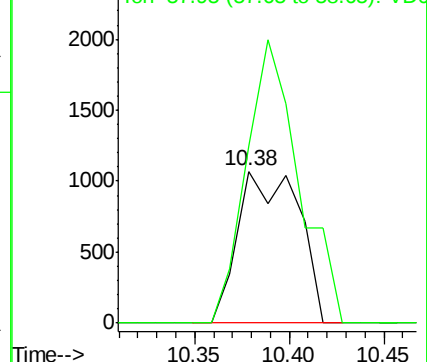
Ion Ratio Lower Upper

43 100

58 116.5 30.4 45.6#



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



#62

4-Bromofluorobenzene

Concen: 64.784 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062079.D

Acq: 29 Apr 2019 22:58

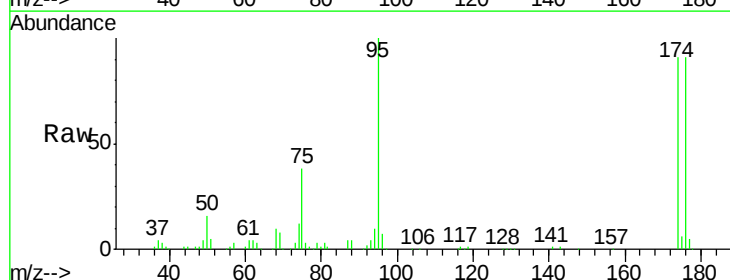
Tgt Ion: 95 Resp: 270083

Ion Ratio Lower Upper

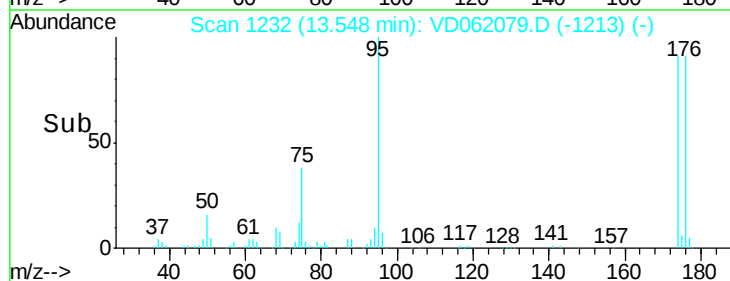
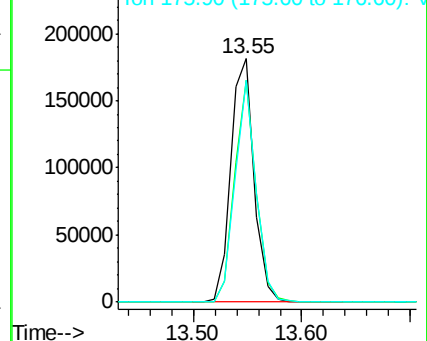
95 100

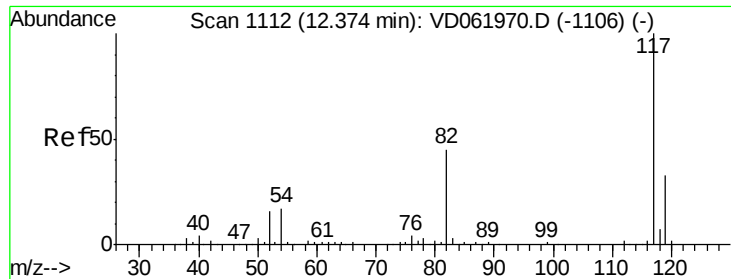
174 91.0 0.0 181.8

176 91.3 0.0 174.4



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

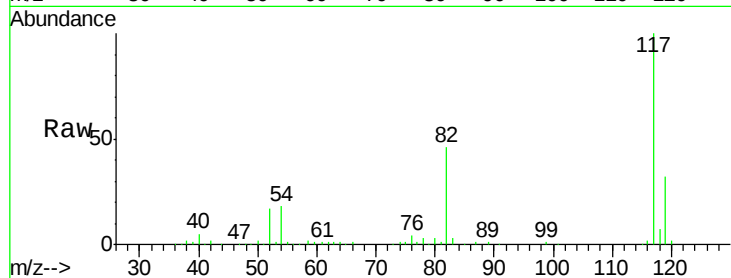




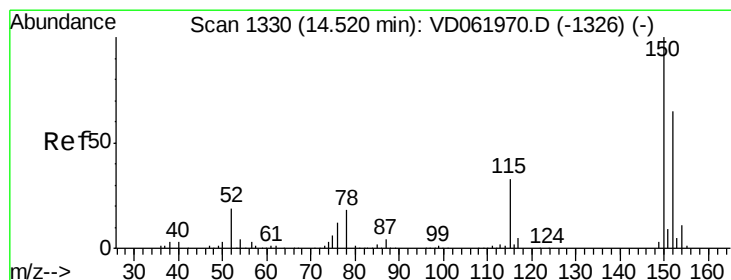
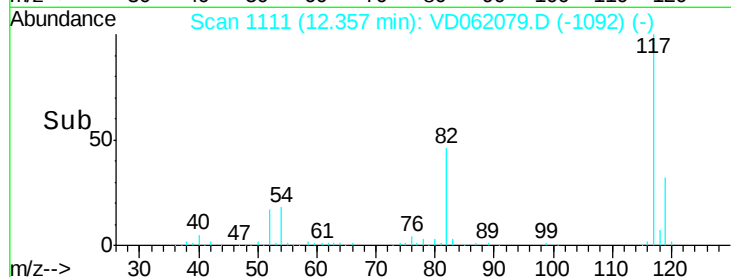
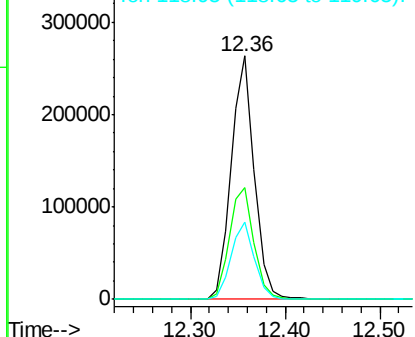
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062079.D
Acq: 29 Apr 2019 22:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 443651
Ion Ratio Lower Upper
117 100
82 45.7 36.2 54.2
119 31.9 26.2 39.4

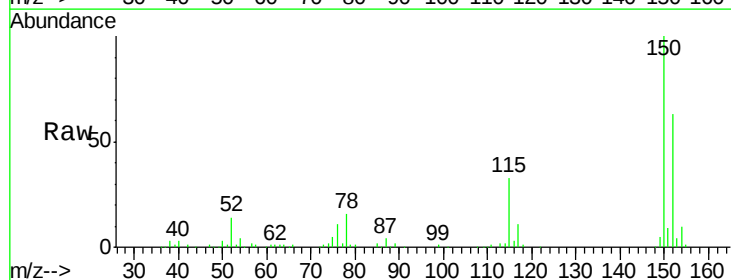


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

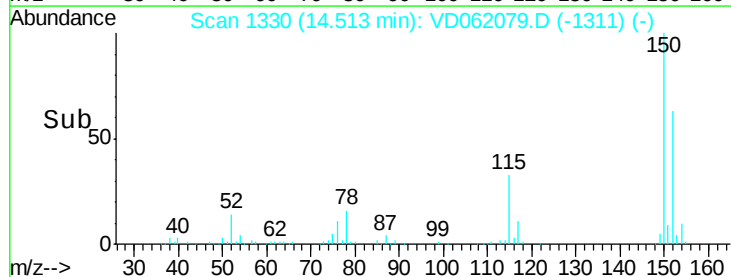
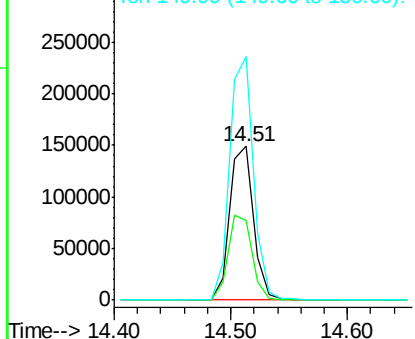


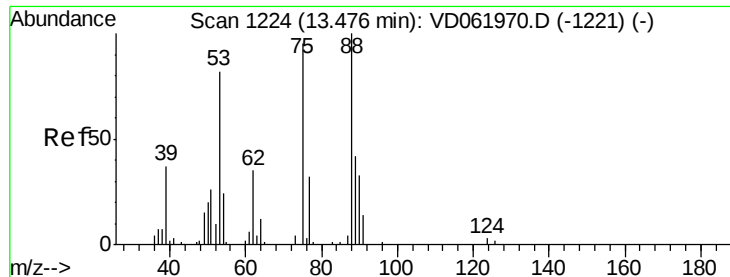
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062079.D
Acq: 29 Apr 2019 22:58

Tgt Ion:152 Resp: 211290
Ion Ratio Lower Upper
152 100
115 51.4 30.9 92.7
150 158.2 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: 129.677 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062079.D

Acq: 29 Apr 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

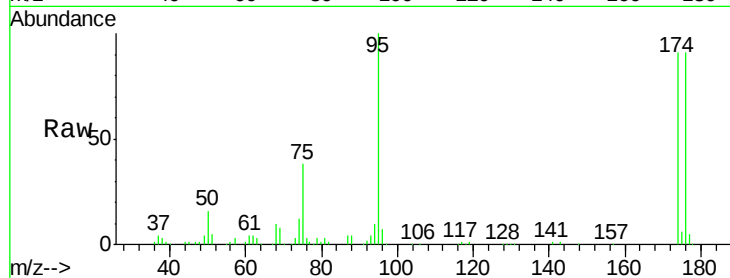
Tot Ion: 75 Resp: 105437

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

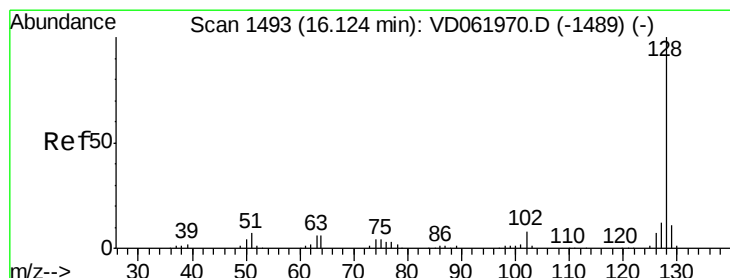
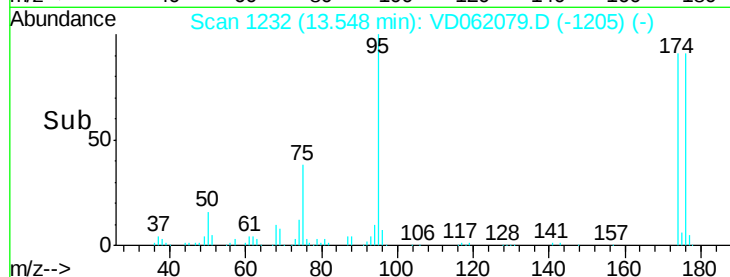
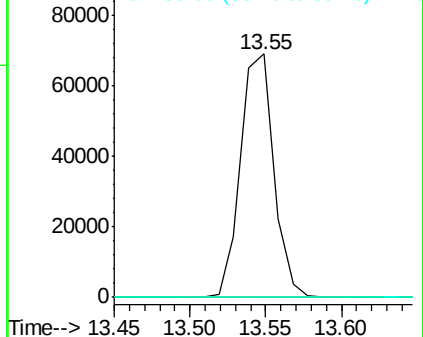
89 0.0 35.0 52.6#



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: 2.670 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062079.D

Acq: 29 Apr 2019 22:58

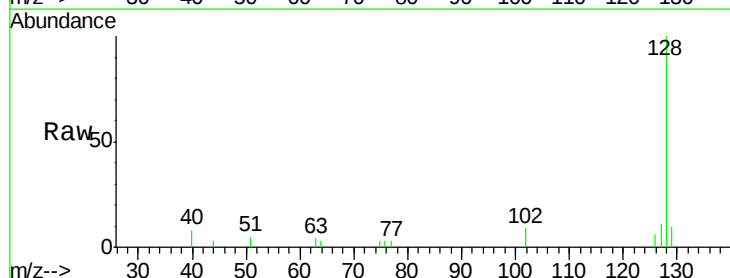
Tgt Ion: 128 Resp: 13585

Ion Ratio Lower Upper

128 100

127 11.5 9.8 14.8

129 9.9 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

