

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062116.D
 Acq On : 2 May 2019 17:34
 Operator : FY/SY
 Sample : K2668-03
 Misc : 4.41g/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 03 01:11:14 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

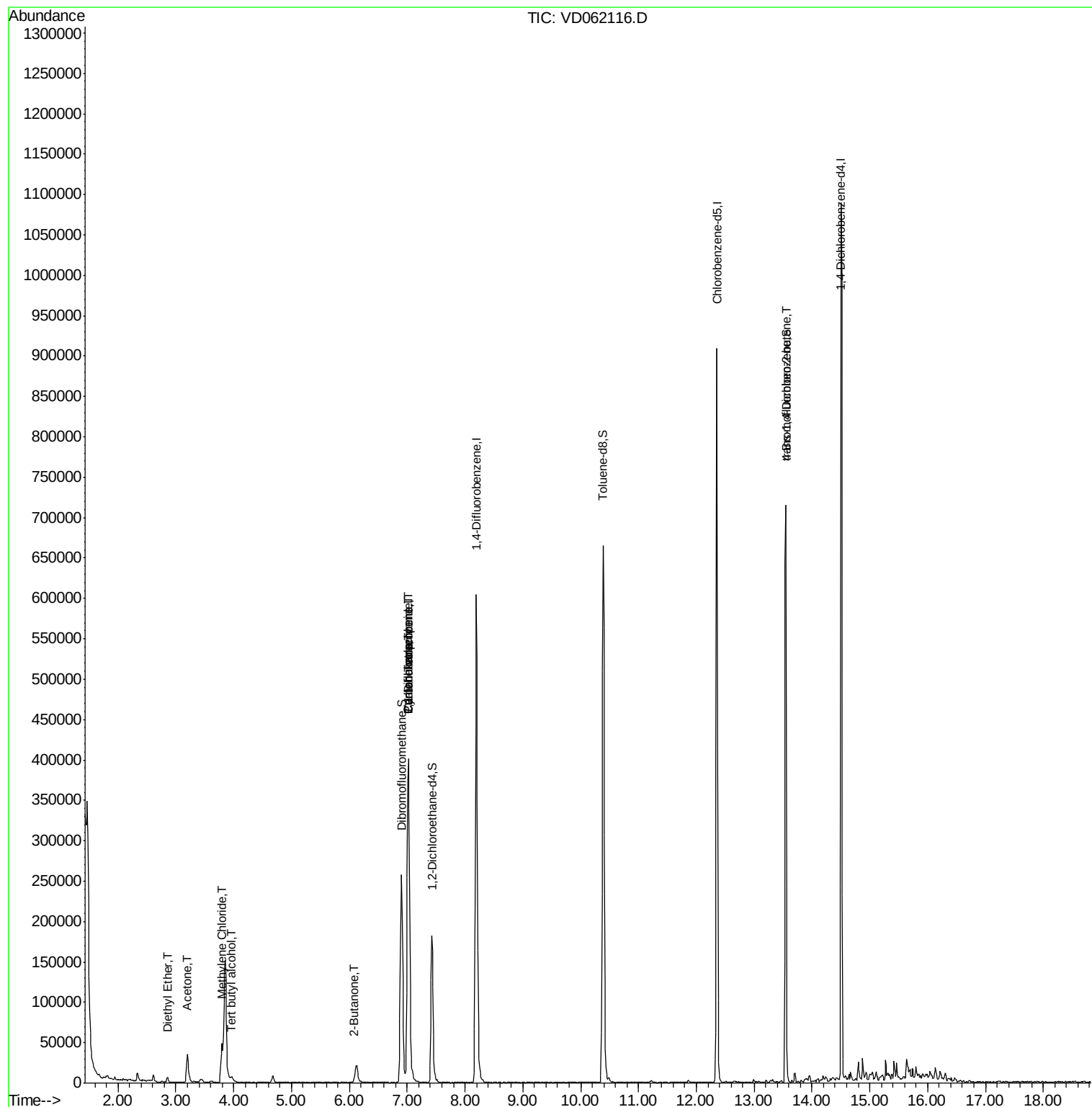
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	420575	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	716580	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	622532	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	269481	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	183794	55.84	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	111.68%	
35) Dibromofluoromethane	6.90	113	247809	50.00	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.00%	
50) Toluene-d8	10.39	98	584873	49.60	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	13.55	95	235676	49.83	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.66%	
Target Compounds						
5) Bromomethane	2.15	94	420	Below Cal	#	12
8) Diethyl Ether	2.86	74	2813	2.399	ug/l	81
11) Tert butyl alcohol	3.97	59	5792	31.143	ug/l #	76
16) Acetone	3.20	43	68451	87.093	ug/l	92
20) Methylene Chloride	3.79	84	34555	6.240	ug/l	95
25) 2-Butanone	6.07	43	1722	1.807	ug/l #	56
31) Cyclohexane	7.01	56	6607	1.348	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	30934	5.541	ug/l #	45
38) Carbon Tetrachloride	7.01	117	41263	5.833	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	89430	86.239	ug/l #	16

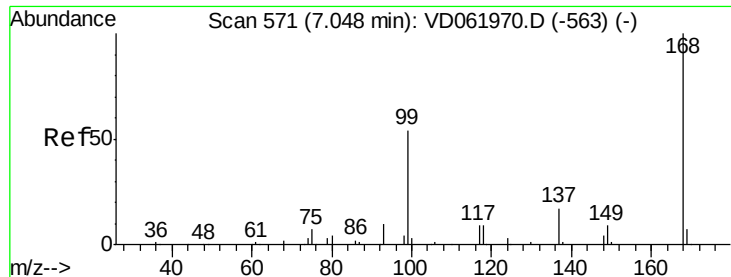
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD062116.D

Acq: 2 May 2019 17:34

Instrument :

MSVOA_D

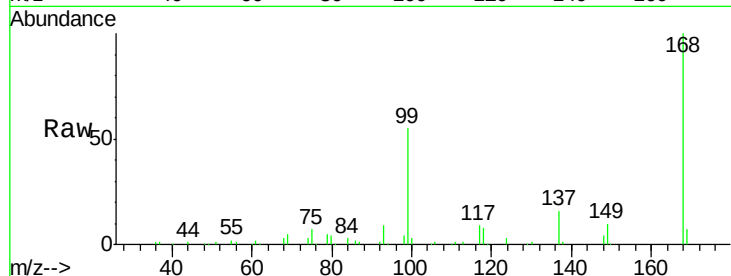
ClientSampled :

Tot Ion:168 Resp: 420575

Ion Ratio Lower Upper

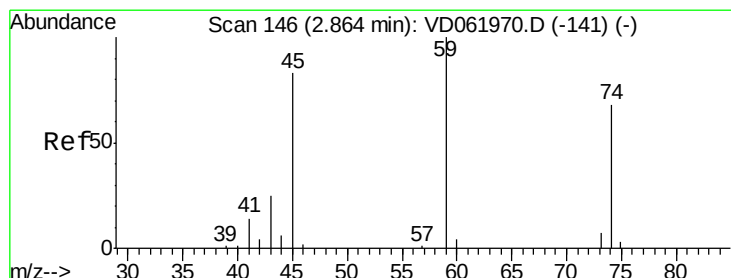
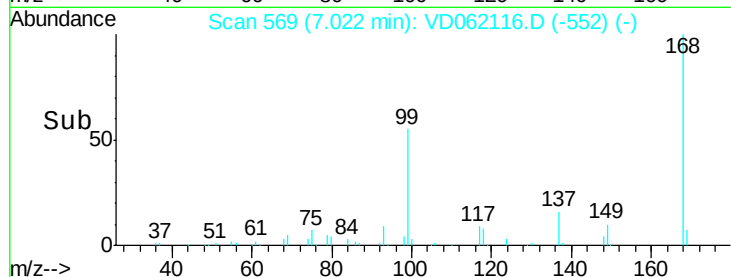
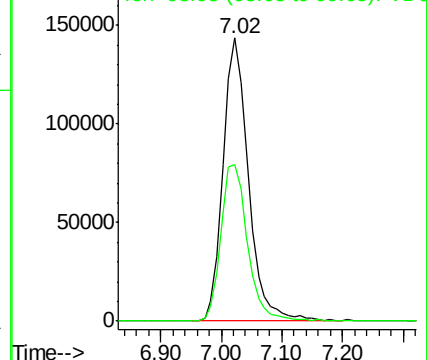
168 100

99 55.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.399 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD062116.D

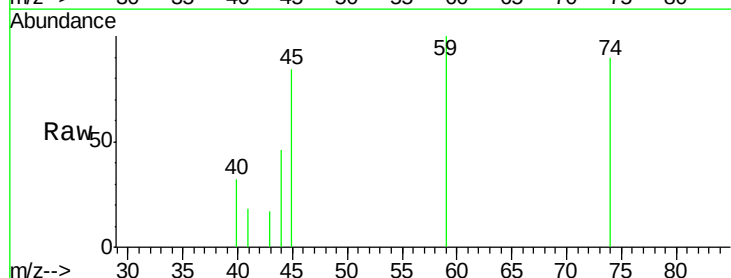
Acq: 2 May 2019 17:34

Tgt Ion: 74 Resp: 2813

Ion Ratio Lower Upper

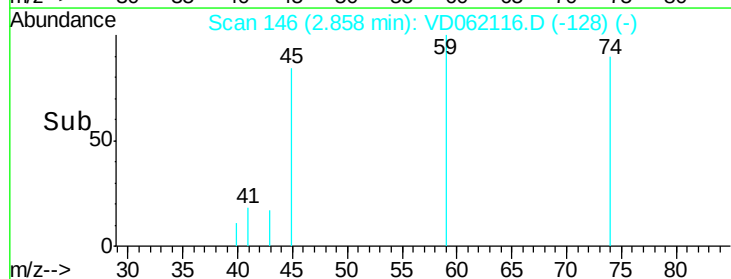
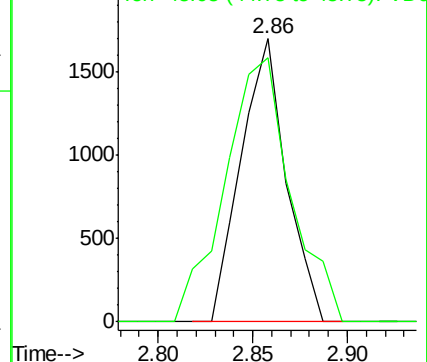
74 100

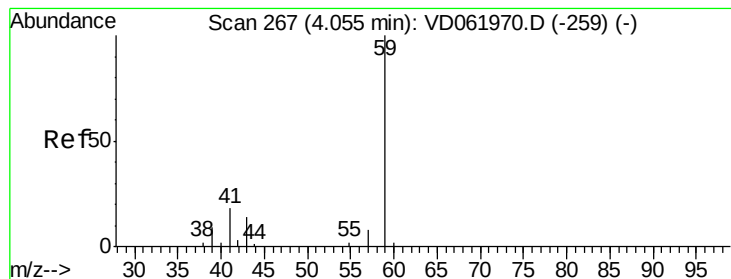
45 93.3 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



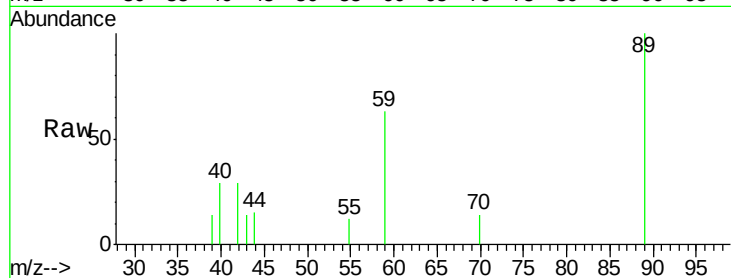


#11

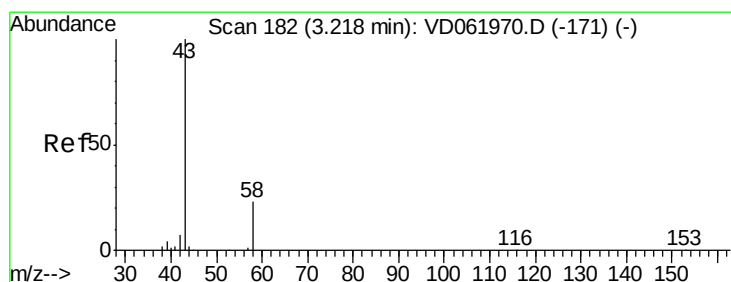
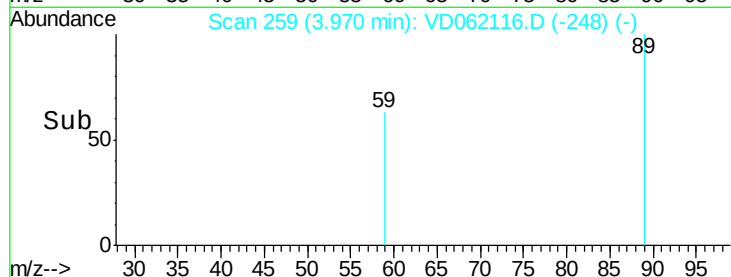
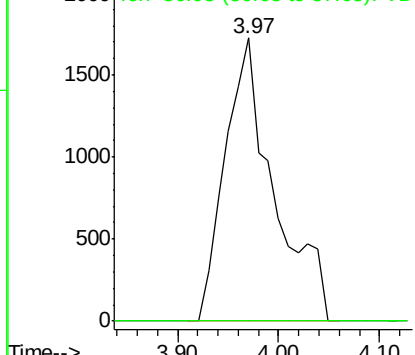
Tert butyl alcohol
 Concen: 31.143 ug/l
 RT: 3.97 min Scan# 259
 Delta R.T. -0.09 min
 Lab File: VD062116.D
 Acq: 2 May 2019 17:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 5792
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



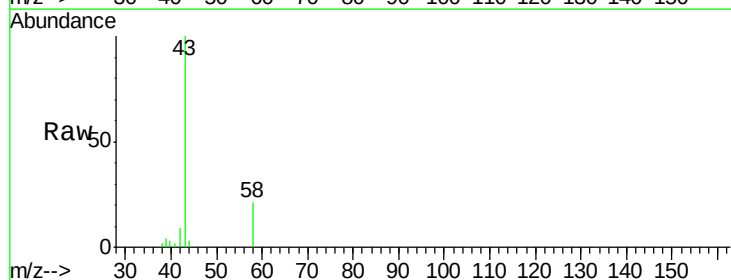
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



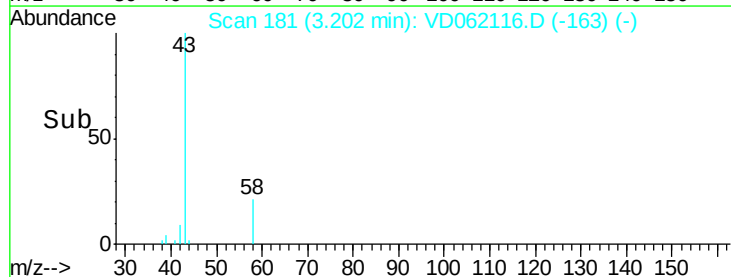
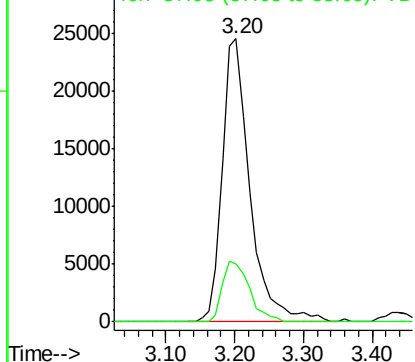
#16

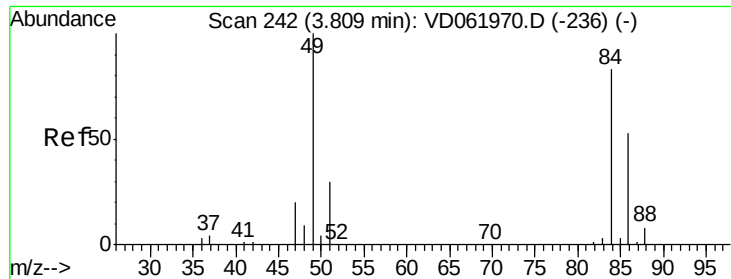
Acetone
 Concen: 87.093 ug/l
 RT: 3.20 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VD062116.D
 Acq: 2 May 2019 17:34

Tgt Ion: 43 Resp: 68451
 Ion Ratio Lower Upper
 43 100
 58 20.7 19.9 29.9



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

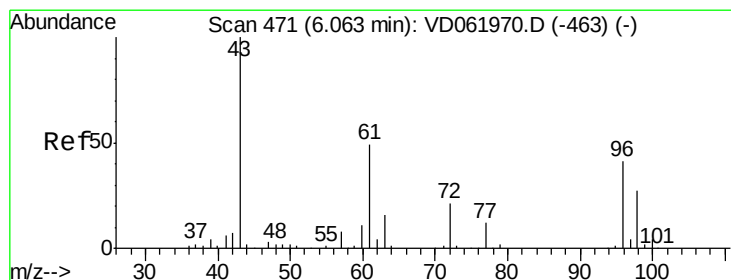
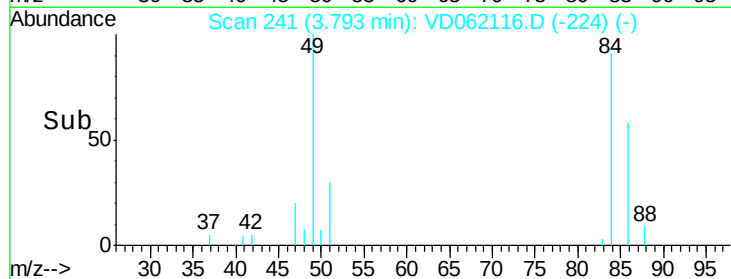
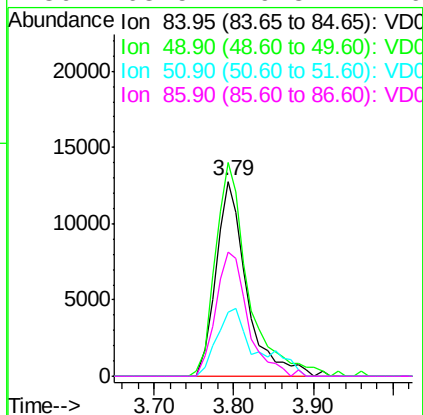
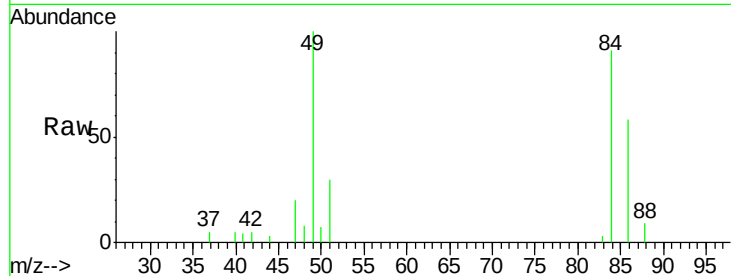




#20
Methvlene Chloride
Concen: 6.240 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062116.D
Acq: 2 May 2019 17:34

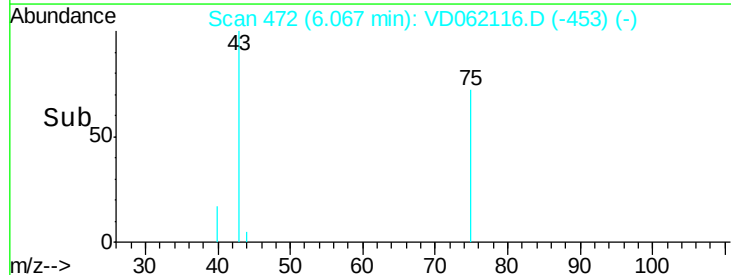
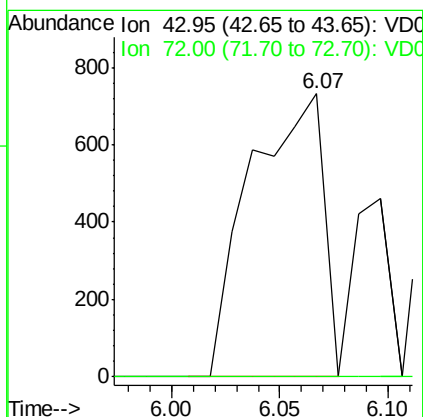
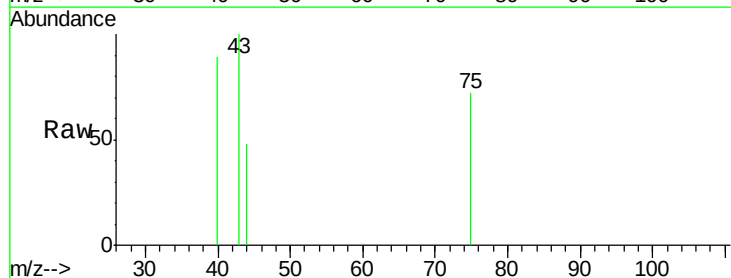
Instrument :
MSVOA_D
ClientSampleId :

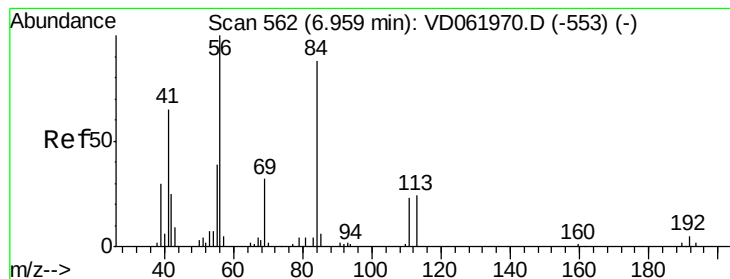
Tot Ion: 84 Resp: 34555
Ion Ratio Lower Upper
84 100
49 109.5 94.0 141.0
51 32.8 29.0 43.4
86 63.5 49.8 74.6



#25
2-Butanone
Concen: 1.807 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD062116.D
Acq: 2 May 2019 17:34

Tgt Ion: 43 Resp: 1722
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#





#31

Cyclohexane

Concen: 1.348 ug/l

RT: 7.01 min Scan# 568

Delta R.T. 0.05 min

Lab File: VD062116.D

Acq: 2 May 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

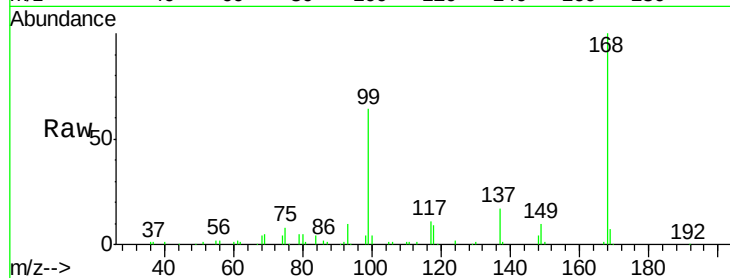
Tot Ion: 56 Resp: 6607

Ion Ratio Lower Upper

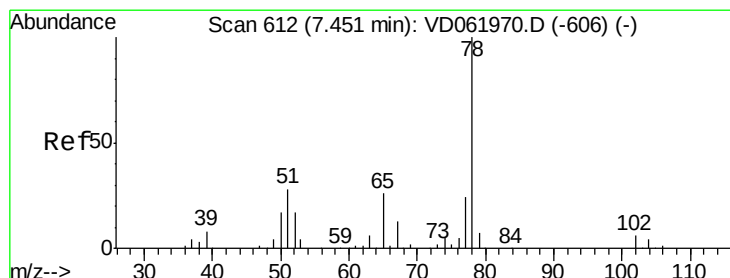
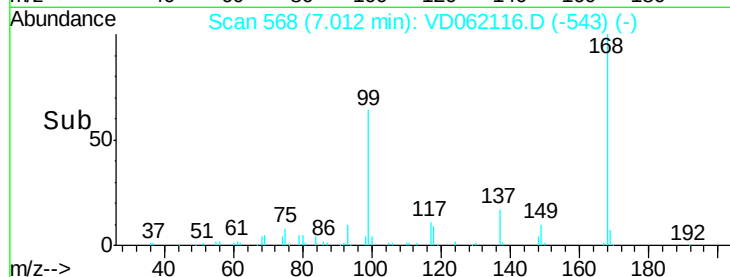
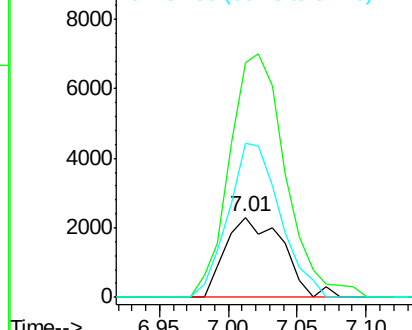
56 100

69 292.2 25.8 38.6#

84 191.5 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: 55.836 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062116.D

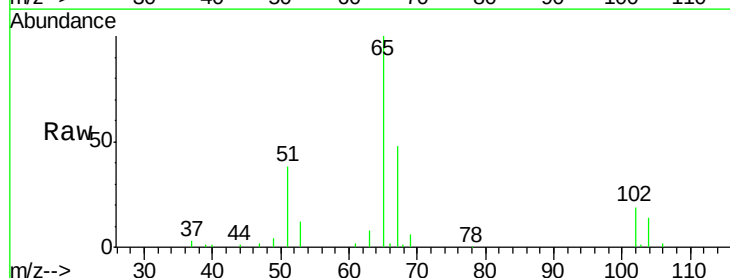
Acq: 2 May 2019 17:34

Tgt Ion: 65 Resp: 183794

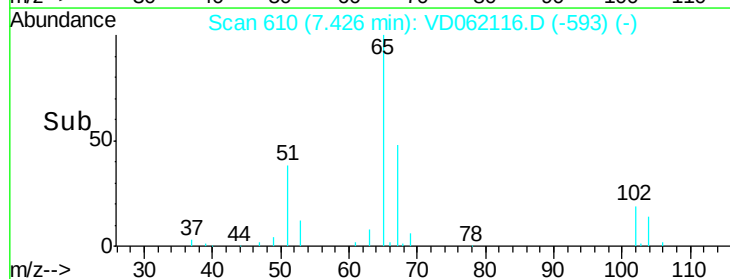
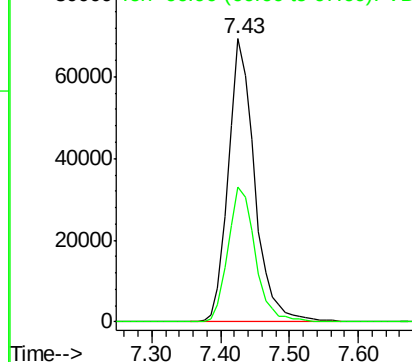
Ion Ratio Lower Upper

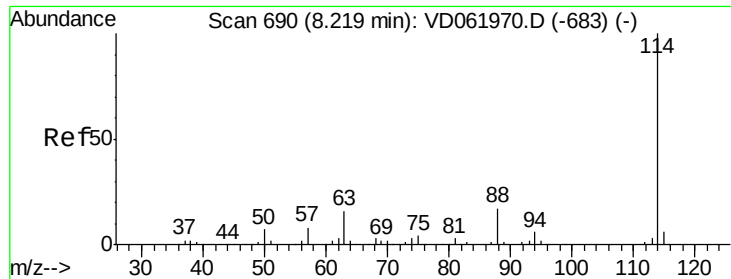
65 100

67 47.7 0.0 98.0



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

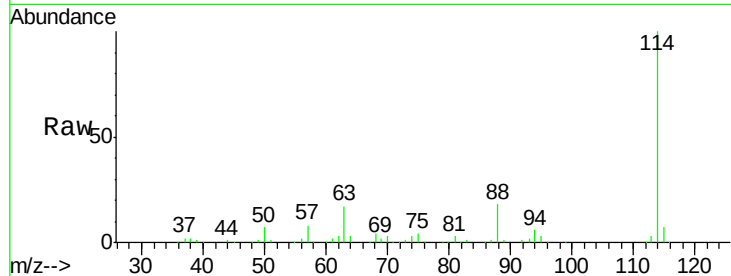




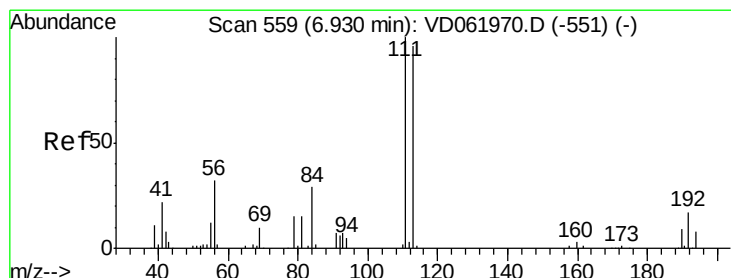
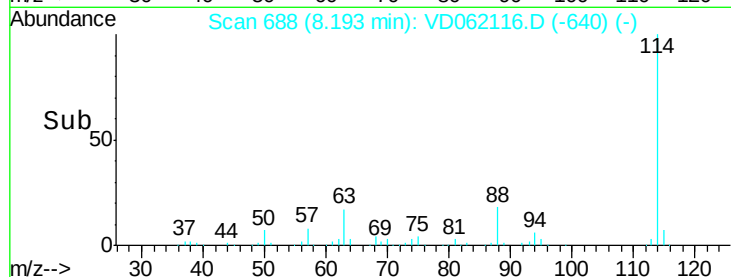
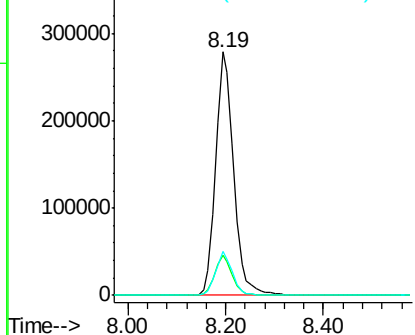
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: VD062116.D
 Acq: 2 May 2019 17:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 716580
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 32.4
 88 17.9 0.0 33.6

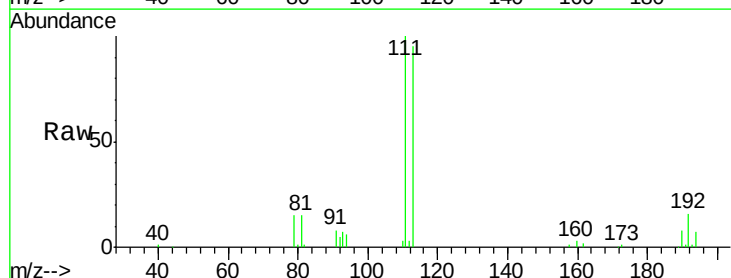


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

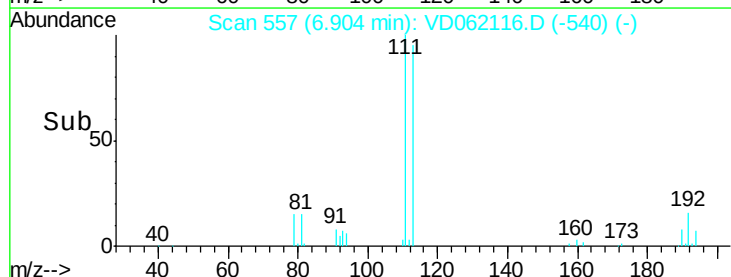
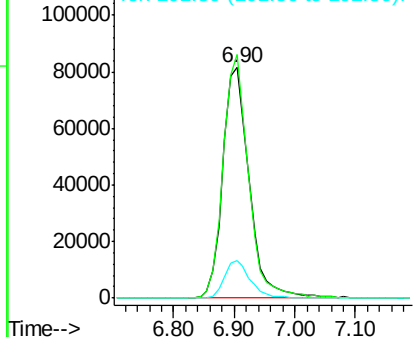


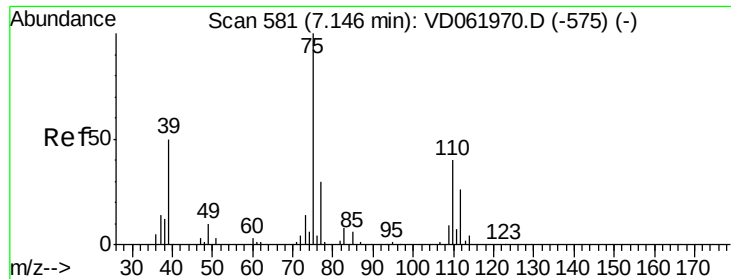
#35
 Dibromofluoromethane
 Concen: 50.003 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD062116.D
 Acq: 2 May 2019 17:34

Tgt Ion:113 Resp: 247809
 Ion Ratio Lower Upper
 113 100
 111 105.7 78.5 117.7
 192 16.4 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

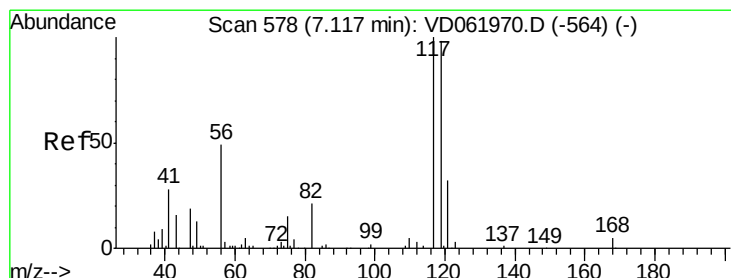
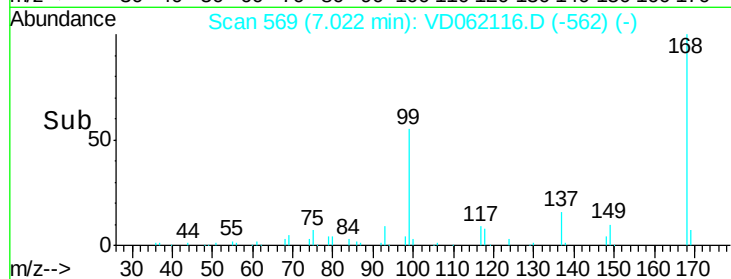
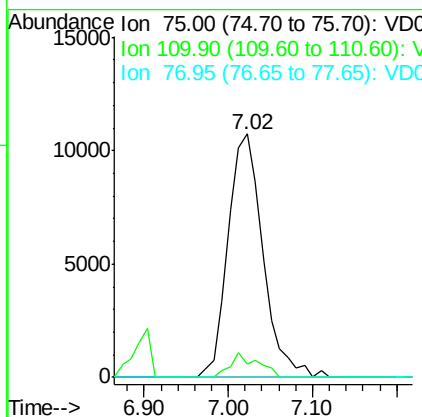
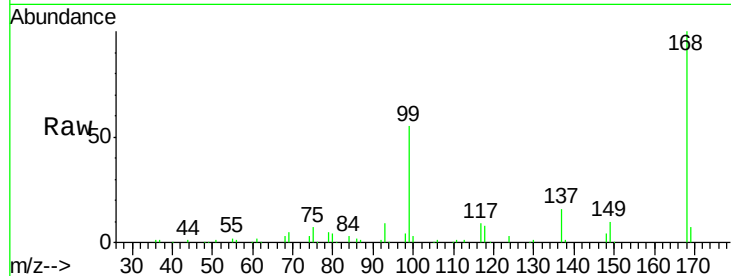




#36
 1,1-Dichloropropene
 Concen: 5.541 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD062116.D
 Acq: 2 May 2019 17:34

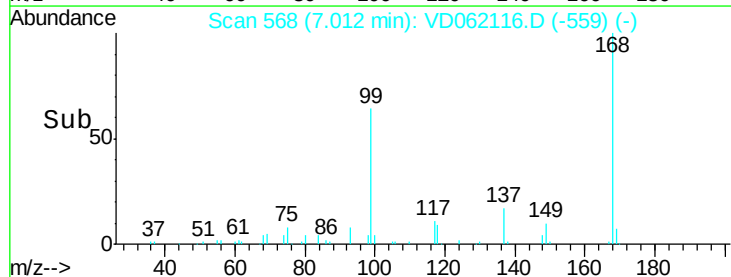
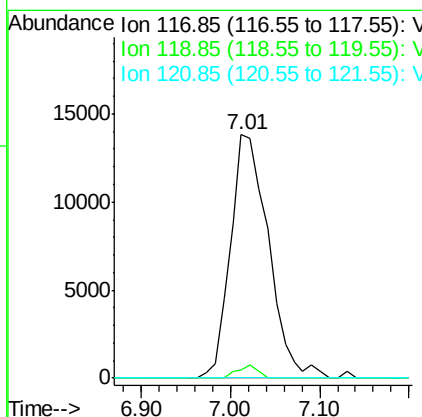
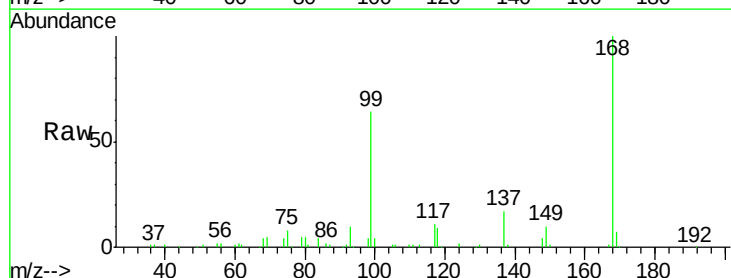
Instrument :
 MSVOA_D
 ClientSampleId :

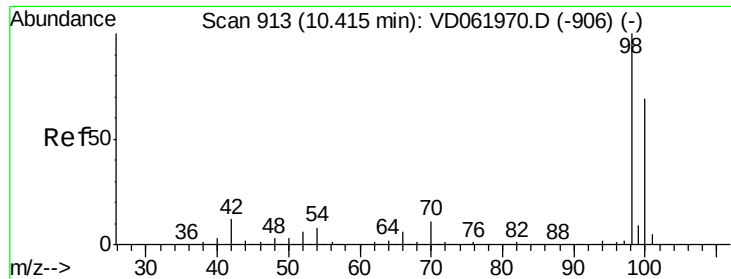
Tot Ion	75	Resp	30934
Ion Ratio	100	Lower	Upper
75	100		
110	5.7	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.833 ug/l
 RT: 7.01 min Scan# 568
 Delta R.T. -0.11 min
 Lab File: VD062116.D
 Acq: 2 May 2019 17:34

Tgt Ion	117	Resp	41263
Ion Ratio	100	Lower	Upper
117	100		
119	3.5	75.8	113.8#
121	0.0	25.9	38.9#





#50

Toluene-d8

Concen: 49.597 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD062116.D

Acq: 2 May 2019 17:34

Instrument :

MSVOA_D

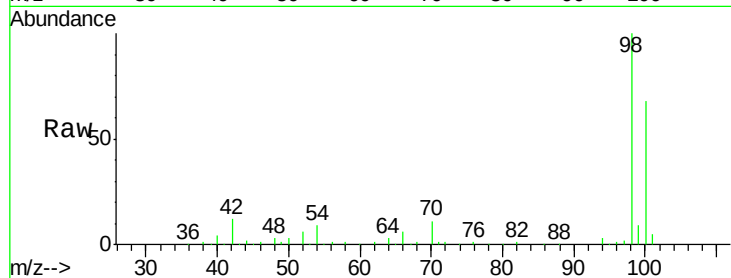
ClientSampled :

Tot Ion: 98 Resp: 584873

Ion Ratio Lower Upper

98 100

100 67.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

10.39

250000

200000

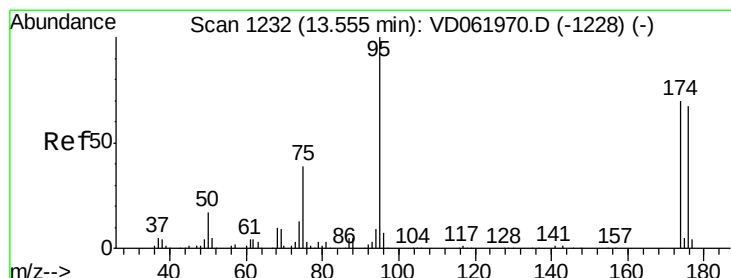
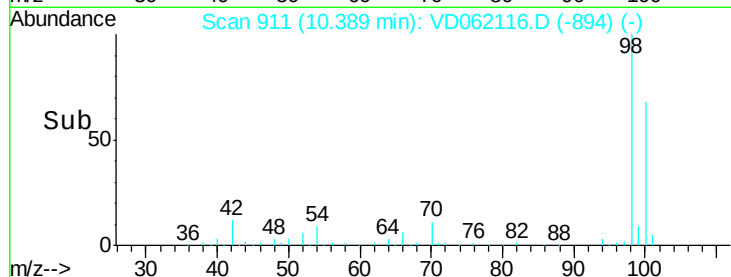
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.827 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062116.D

Acq: 2 May 2019 17:34

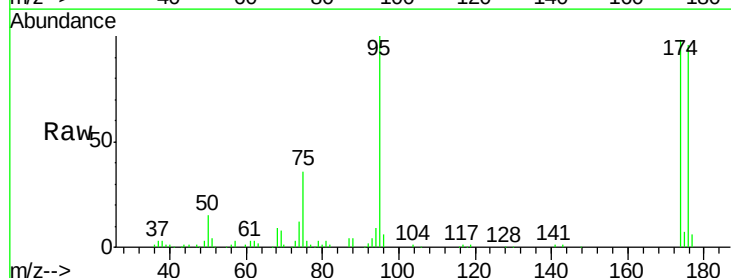
Tgt Ion: 95 Resp: 235676

Ion Ratio Lower Upper

95 100

174 98.2 0.0 181.8

176 95.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

13.55

200000

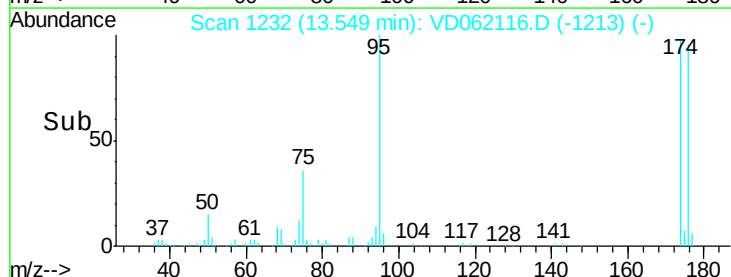
150000

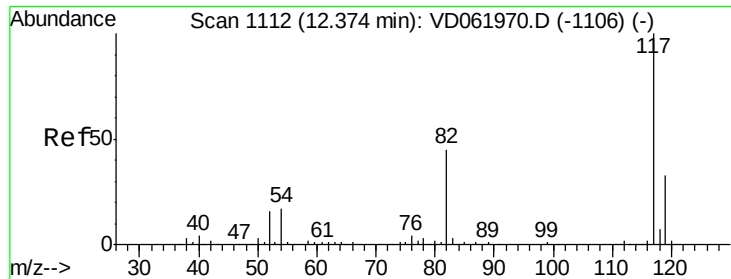
100000

50000

0

Time-->

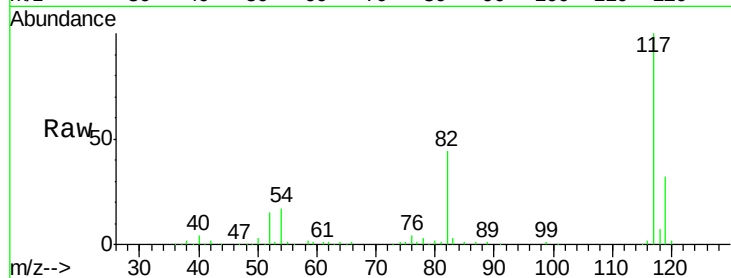




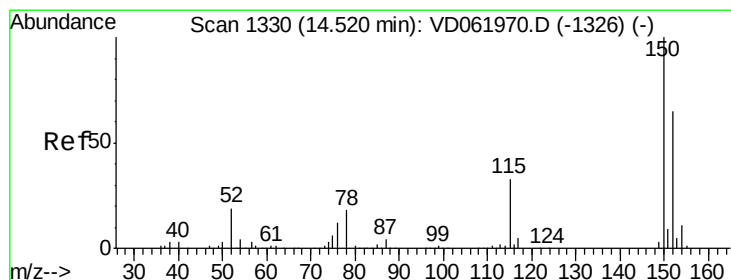
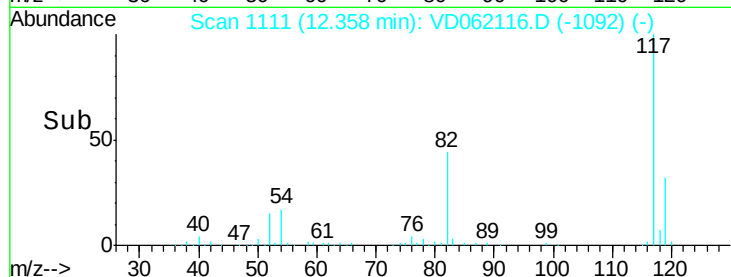
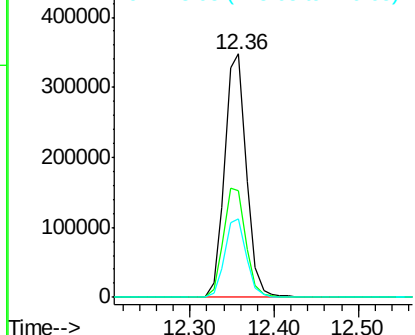
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062116.D
Acq: 2 May 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 622532
Ion Ratio Lower Upper
117 100
82 43.7 36.2 54.2
119 32.2 26.2 39.4

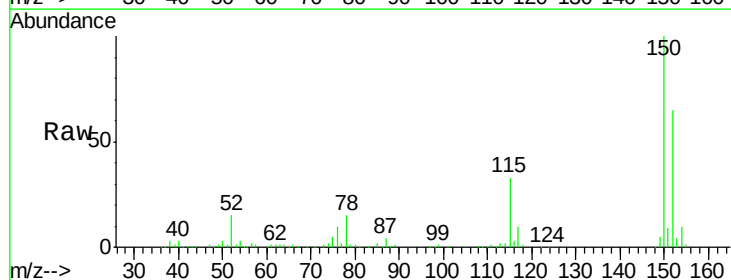


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

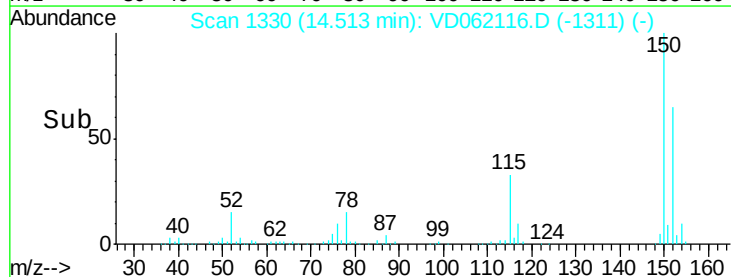
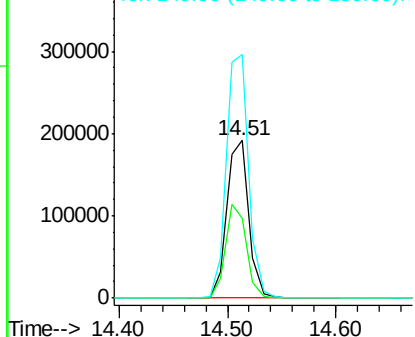


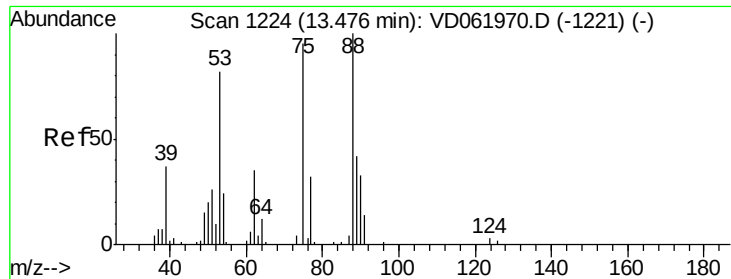
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062116.D
Acq: 2 May 2019 17:34

Tgt Ion:152 Resp: 269481
Ion Ratio Lower Upper
152 100
115 50.9 30.9 92.7
150 154.3 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: 86.239 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062116.D

Acq: 2 May 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 89430

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

