

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050919\
 Data File : VD062186.D
 Acq On : 9 May 2019 14:05
 Operator : FY/SY
 Sample : VD0509SBL01
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBL01

Quant Time: May 10 04:19:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

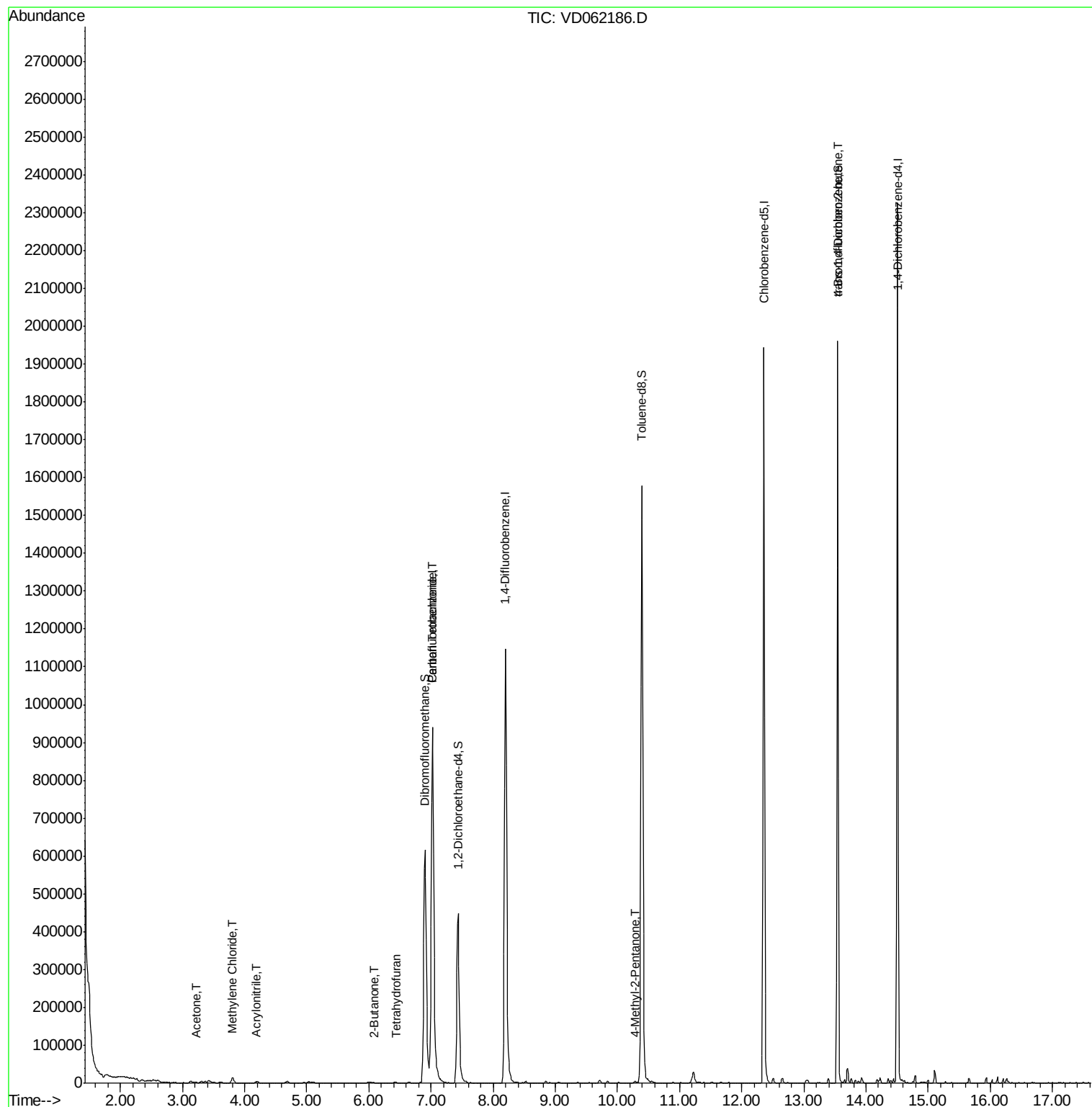
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	963271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1393943	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	1124158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	568175	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	474995	53.06	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	6.90	113	600088	51.89	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.78%	
50) Toluene-d8	10.39	98	1393799	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	13.55	95	561477	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	4.18	53	1926	1.604	ug/l #	62
16) Acetone	3.22	43	5607	2.987	ug/l #	50
20) Methylene Chloride	3.80	84	9209	1.175	ug/l	88
25) 2-Butanone	6.08	43	2445	1.194	ug/l #	56
29) Tetrahydrofuran	6.45	42	1037	1.099	ug/l #	30
38) Carbon Tetrachloride	7.02	117	95425	6.032	ug/l #	16
51) 4-Methyl-2-Pentanone	10.29	43	4607	1.043	ug/l #	86
81) trans-1,4-Dichloro-2-buten	13.55	75	232084	121.751	ug/l #	16

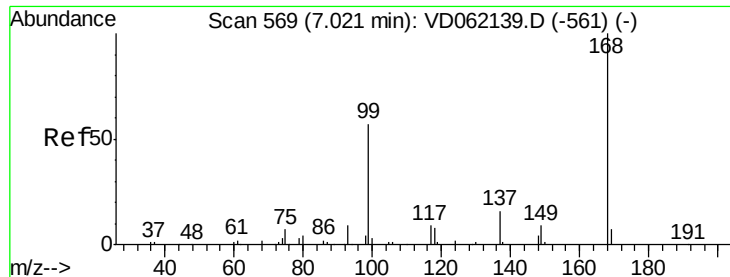
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

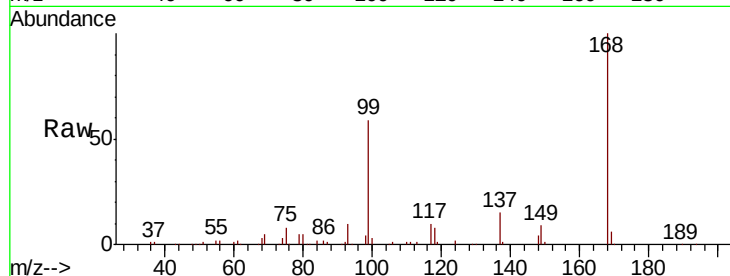
VD0509SBL01

Tgt Ion:168 Resp: 963271

Ion Ratio Lower Upper

168 100

99 58.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.02

300000

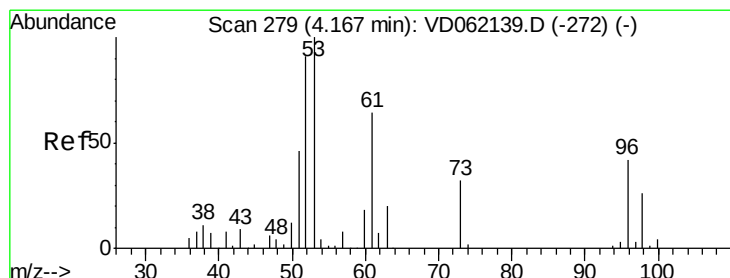
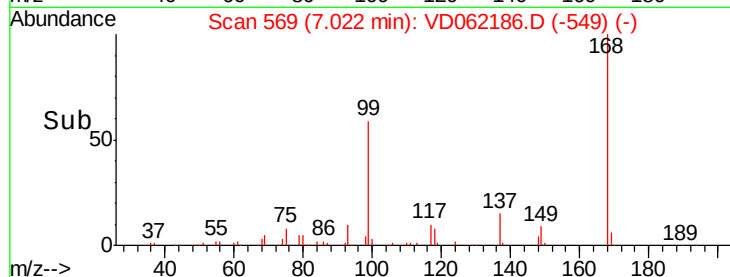
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#15

Acrylonitrile

Concen: 1.604 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

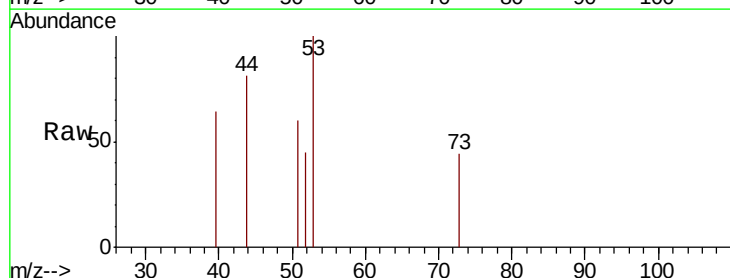
Tgt Ion: 53 Resp: 1926

Ion Ratio Lower Upper

53 100

52 44.7 65.0 97.4#

51 60.0 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): V

Ion 52.00 (51.70 to 52.70): V

Ion 51.00 (50.70 to 51.70): V

1000

800

600

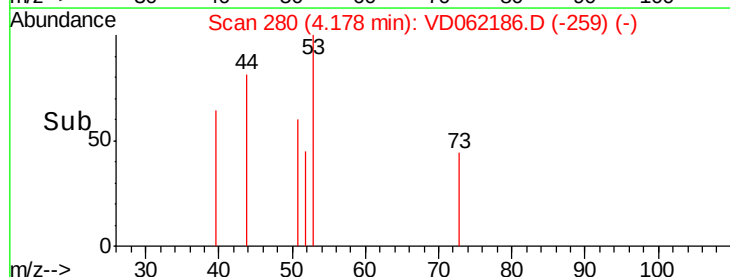
400

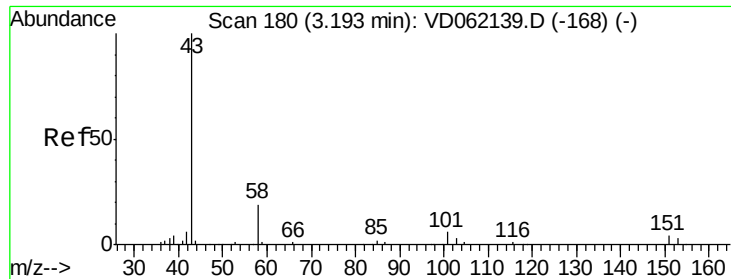
200

0

4.10 4.15 4.20 4.25

Time-->

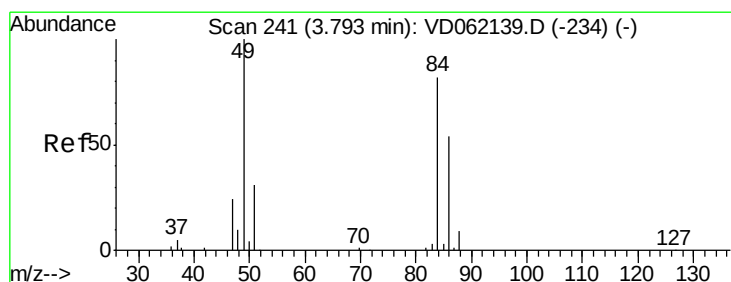
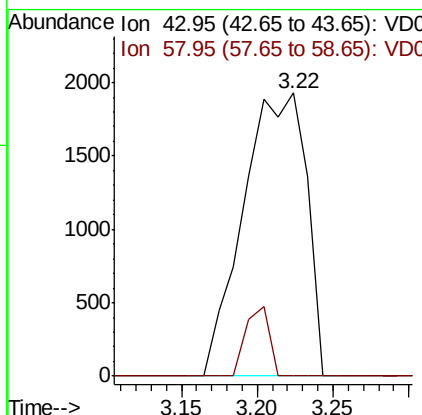
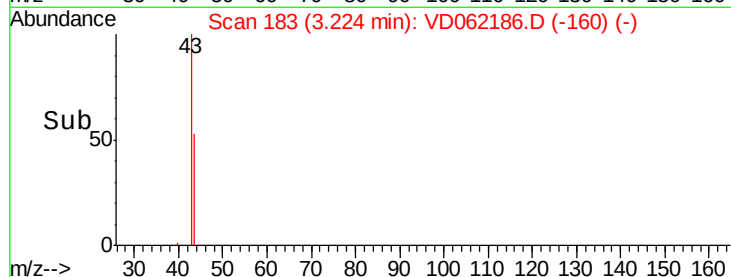
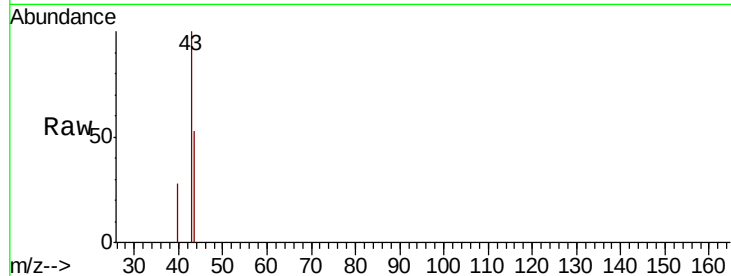




#16
Acetone
Concen: 2.987 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD062186.D
Acq: 9 May 2019 14:05

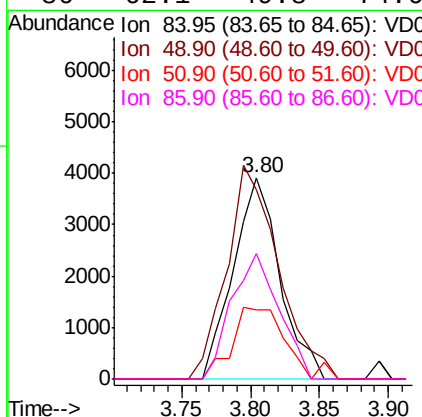
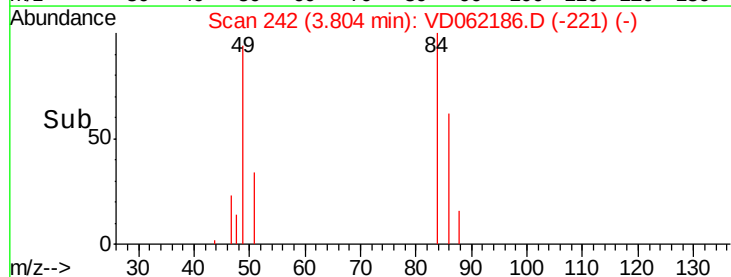
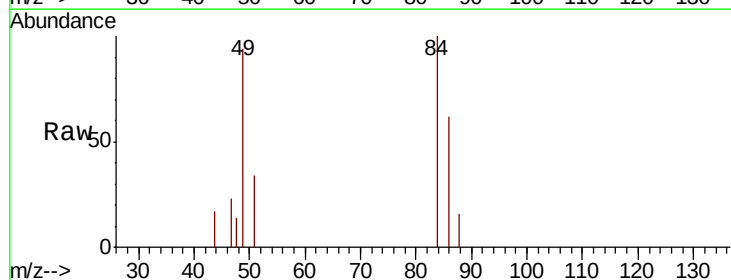
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBL01

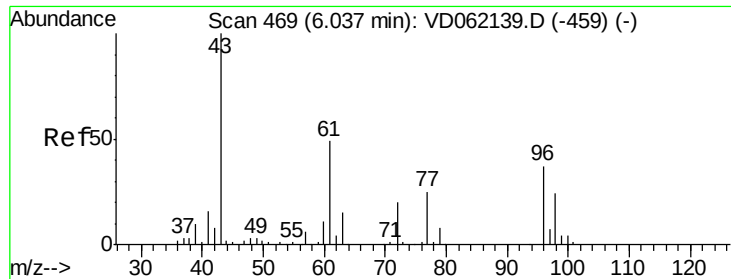
Tgt Ion: 43 Resp: 5607
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



#20
Methylene Chloride
Concen: 1.175 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062186.D
Acq: 9 May 2019 14:05

Tgt Ion: 84 Resp: 9209
Ion Ratio Lower Upper
84 100
49 94.4 94.0 141.0
51 34.2 29.0 43.4
86 62.1 49.8 74.6





#25

2-Butanone

Concen: 1.194 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

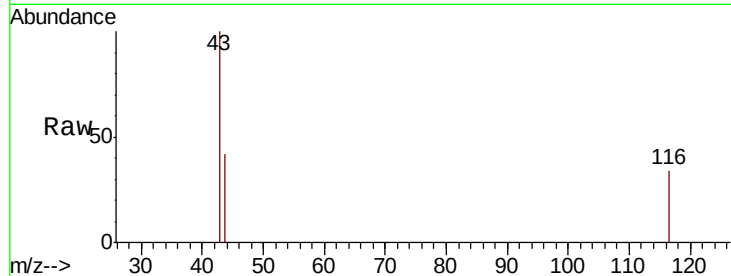
VD0509SBL01

Tgt Ion: 43 Resp: 2445

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

1000

800

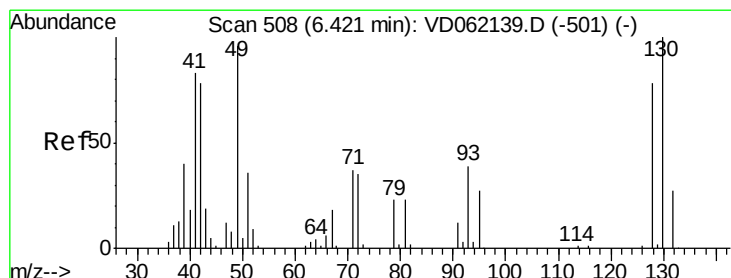
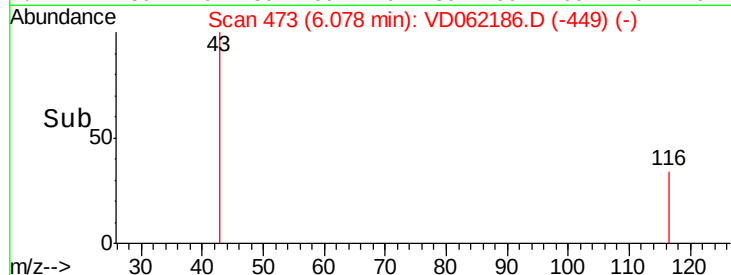
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 1.099 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

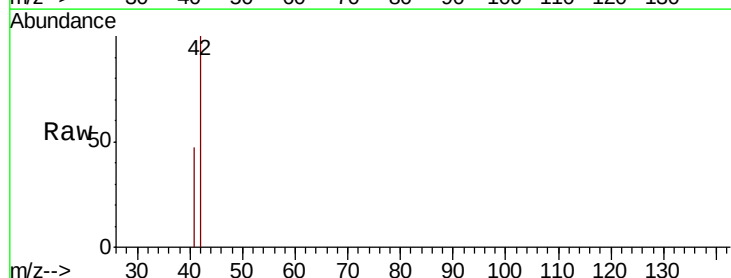
Tgt Ion: 42 Resp: 1037

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 0.0 36.7 55.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.45

800

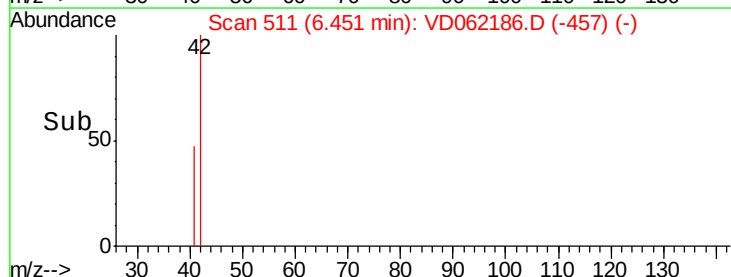
600

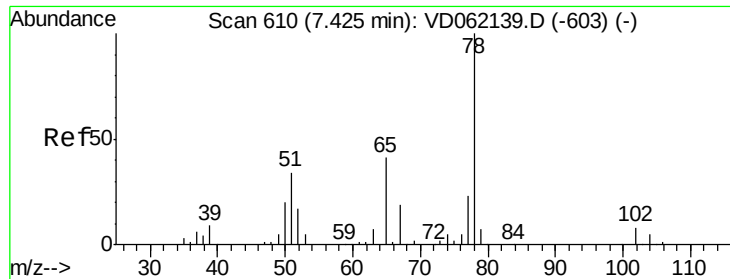
400

200

0

Time-->

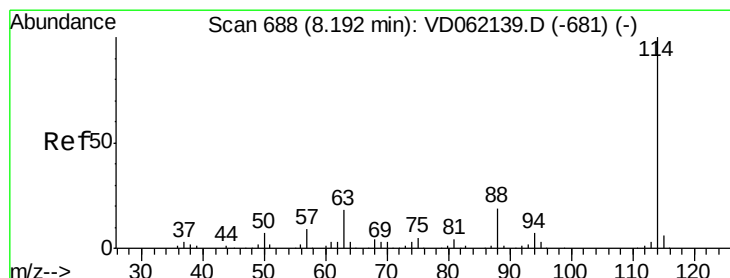
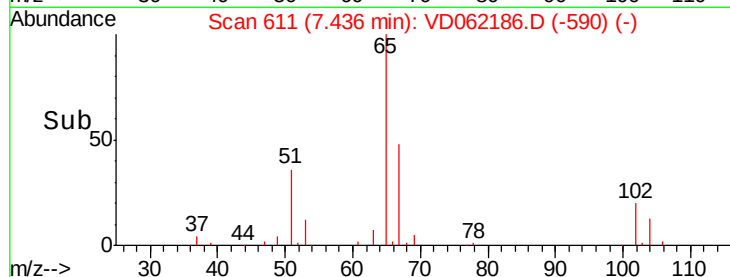
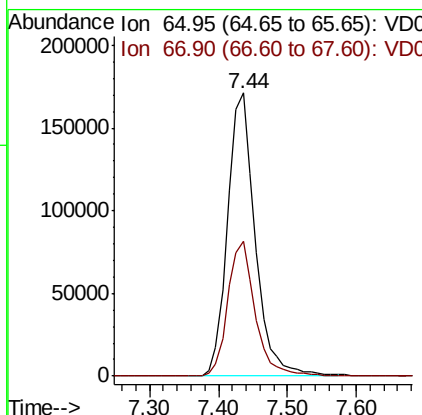
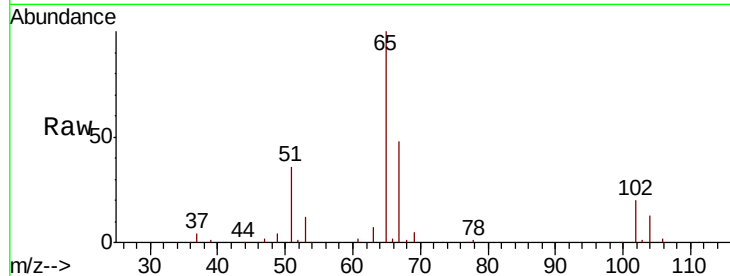




#33
 1,2-Dichloroethane-d4
 Concen: 53.061 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD062186.D
 Acq: 9 May 2019 14:05

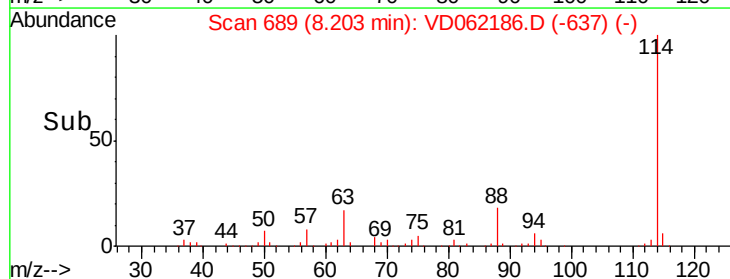
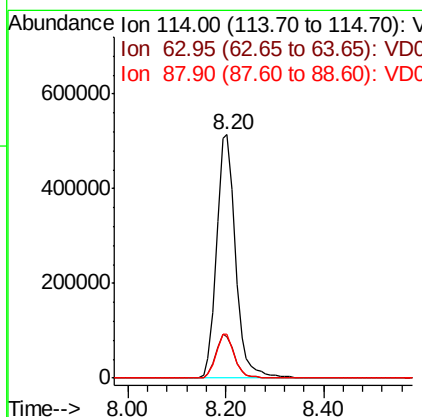
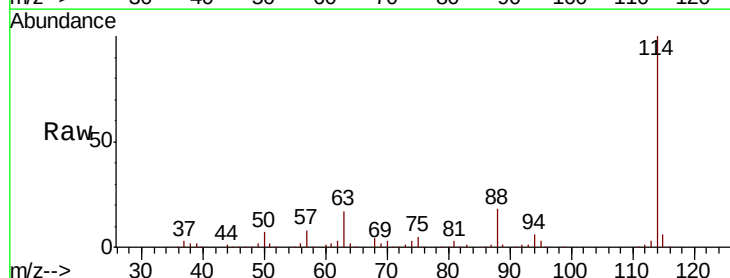
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBL01

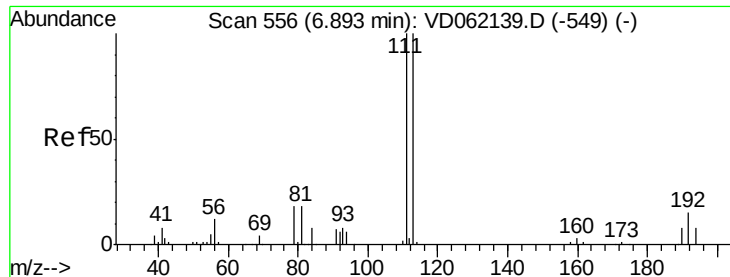
Tgt Ion: 65 Resp: 474995
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062186.D
 Acq: 9 May 2019 14:05

Tgt Ion: 114 Resp: 1393943
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 32.4
 88 17.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.885 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBL01

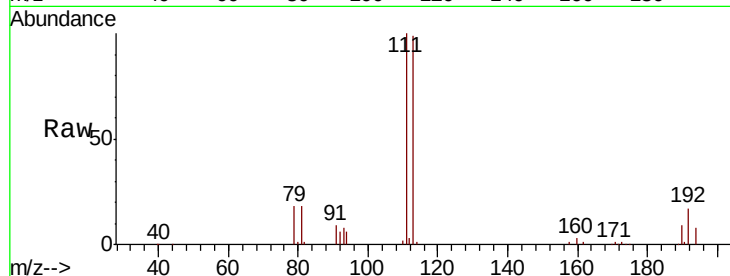
Tgt Ion:113 Resp: 600088

Ion Ratio Lower Upper

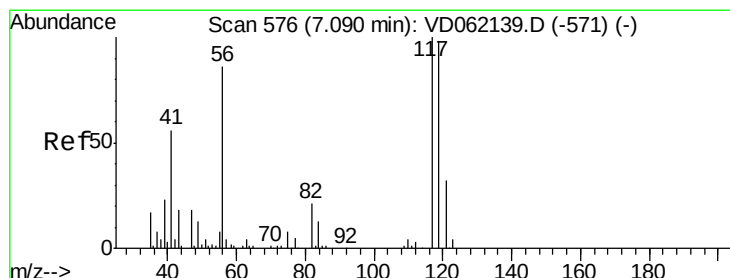
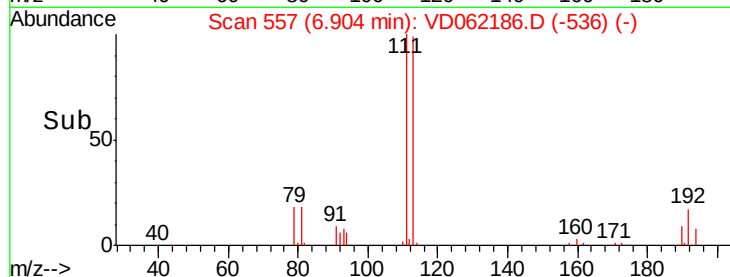
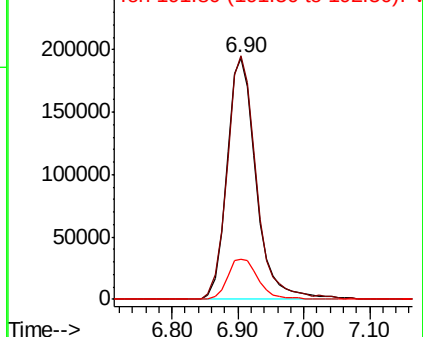
113 100

111 100.8 78.5 117.7

192 16.8 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



#38

Carbon Tetrachloride

Concen: 6.032 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

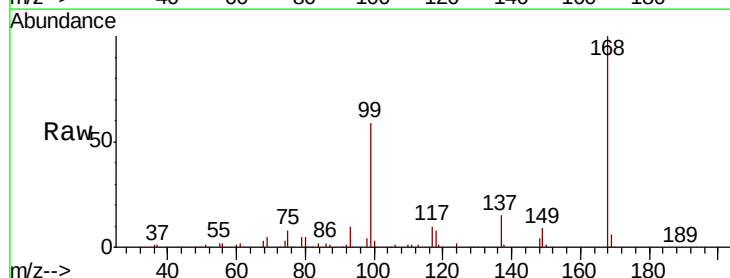
Tgt Ion:117 Resp: 95425

Ion Ratio Lower Upper

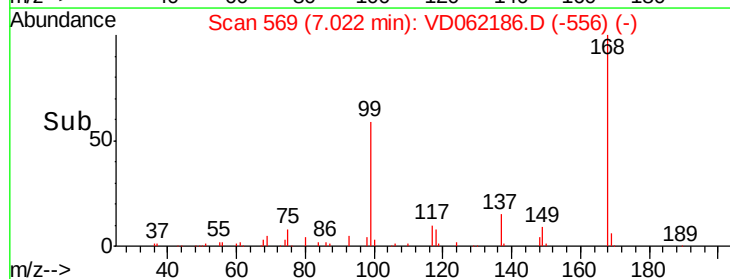
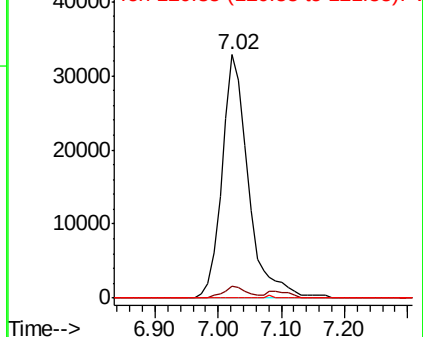
117 100

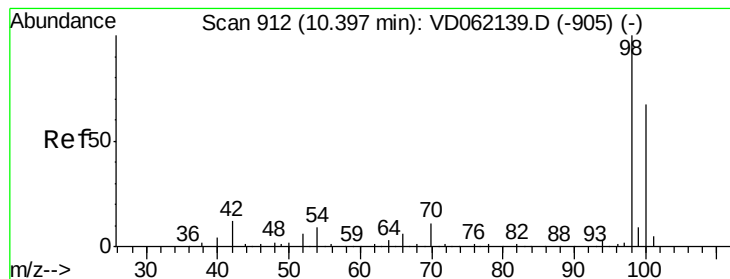
119 5.1 75.8 113.8#

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: 49.982 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

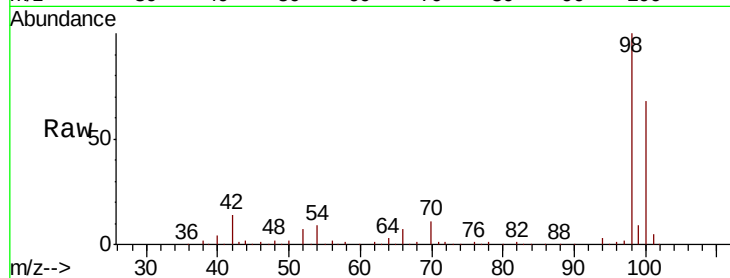
VD0509SBL01

Tgt Ion: 98 Resp: 1393799

Ion Ratio Lower Upper

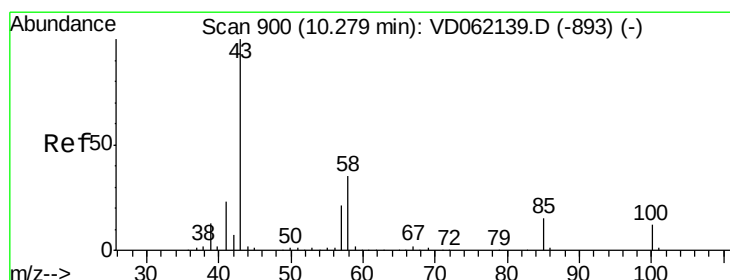
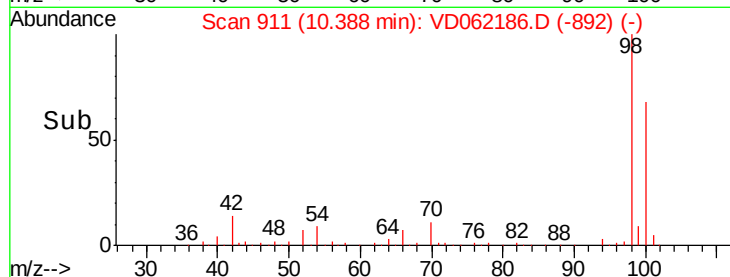
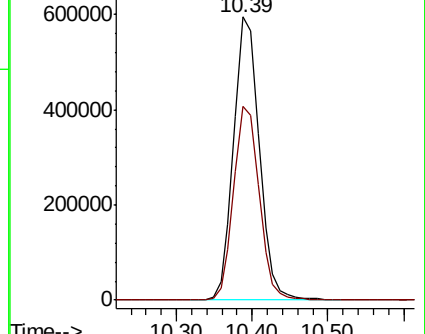
98 100

100 68.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.043 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD062186.D

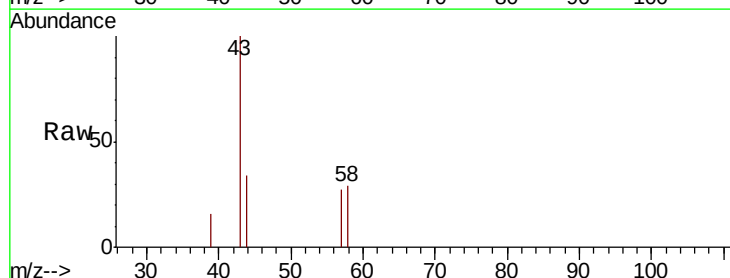
Acq: 9 May 2019 14:05

Tgt Ion: 43 Resp: 4607

Ion Ratio Lower Upper

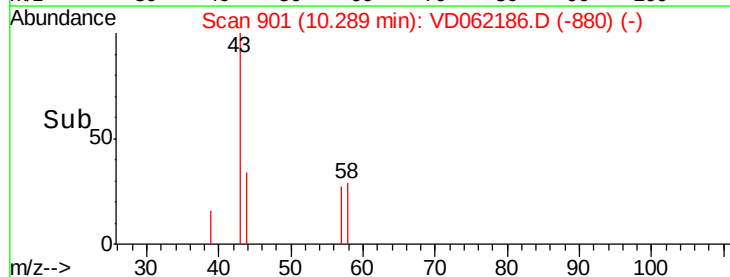
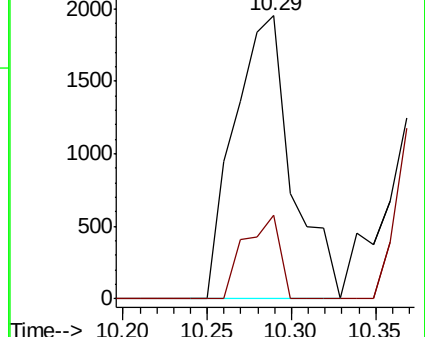
43 100

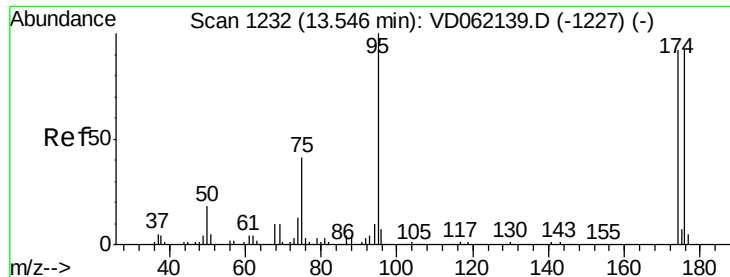
58 29.4 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 50.141 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBL01

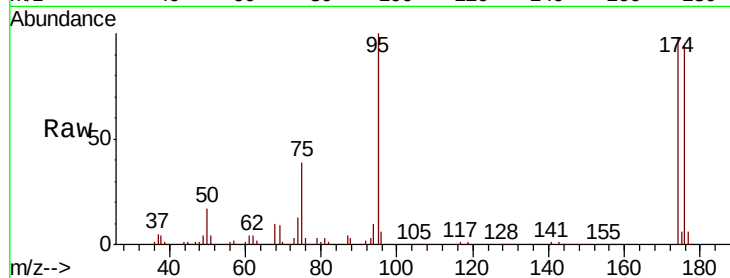
Tgt Ion: 95 Resp: 561477

Ion Ratio Lower Upper

95 100

174 97.9 0.0 181.8

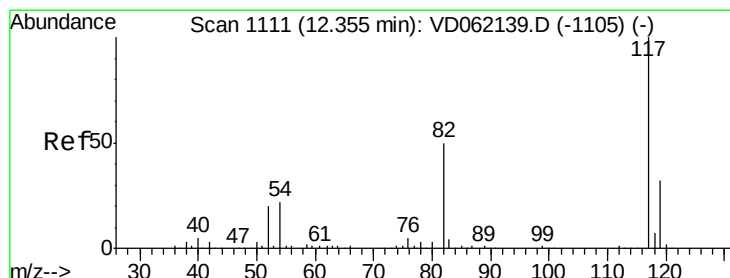
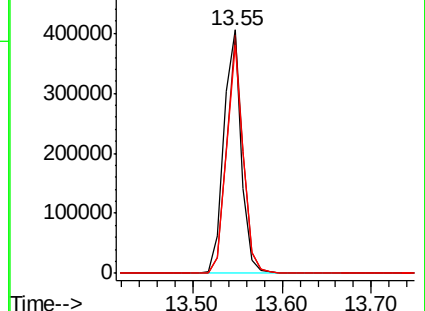
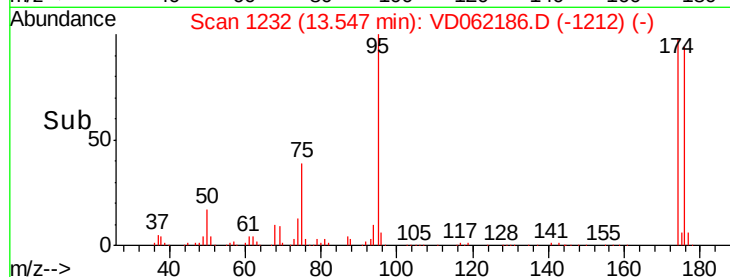
176 93.5 0.0 174.4



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

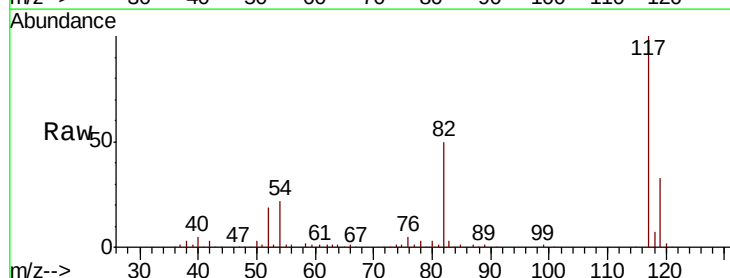
Tgt Ion: 117 Resp: 1124158

Ion Ratio Lower Upper

117 100

82 50.2 36.2 54.2

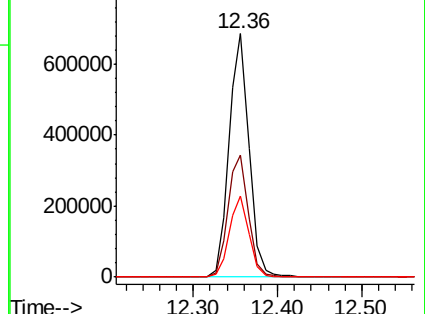
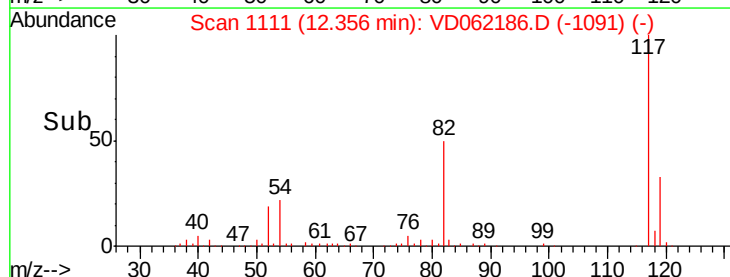
119 33.3 26.2 39.4

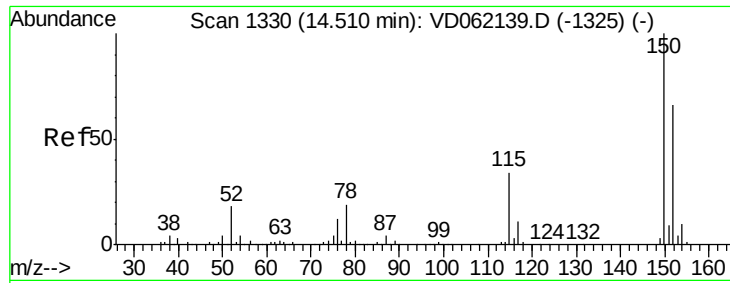


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

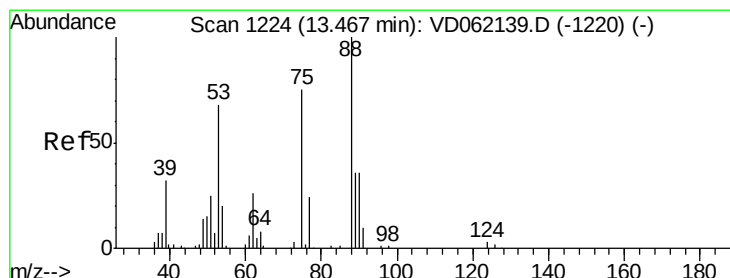
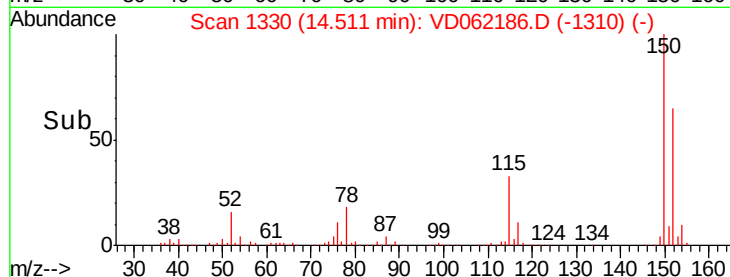
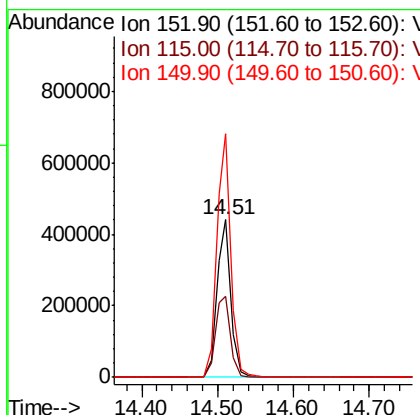
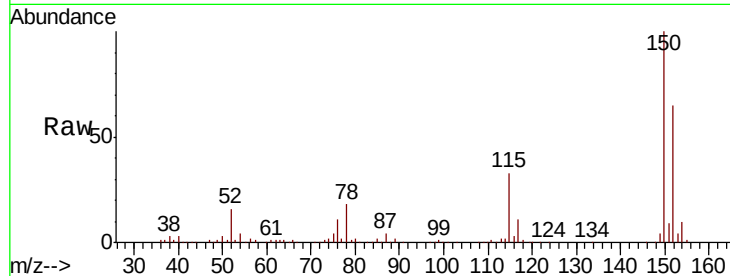




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD062186.D
 Acq: 9 May 2019 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBL01

Tgt Ion: 152 Resp: 568175
 Ion Ratio Lower Upper
 152 100
 115 51.4 30.9 92.7
 150 154.7 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.751 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD062186.D
 Acq: 9 May 2019 14:05

Tgt Ion: 75 Resp: 232084
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

