

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063036.D
 Acq On : 8 Jul 2019 15:10
 Operator : VA/AP
 Sample : K3622-01RE
 Misc : 6.31g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-070319-A

Quant Time: Jul 09 05:10:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1121186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1583663	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1261932	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	555531	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	500764	41.09	ug/l	-0.01
Spiked Amount						
			Recovery	=	82.18%	
35) Dibromofluoromethane	6.93	113	535745	40.12	ug/l	0.00
Spiked Amount						
			Recovery	=	80.24%	
50) Toluene-d8	10.41	98	1095449	37.69	ug/l	0.00
Spiked Amount						
			Recovery	=	75.38%	
62) 4-Bromofluorobenzene	13.55	95	450463	34.09	ug/l	0.00
Spiked Amount						
			Recovery	=	68.18%	

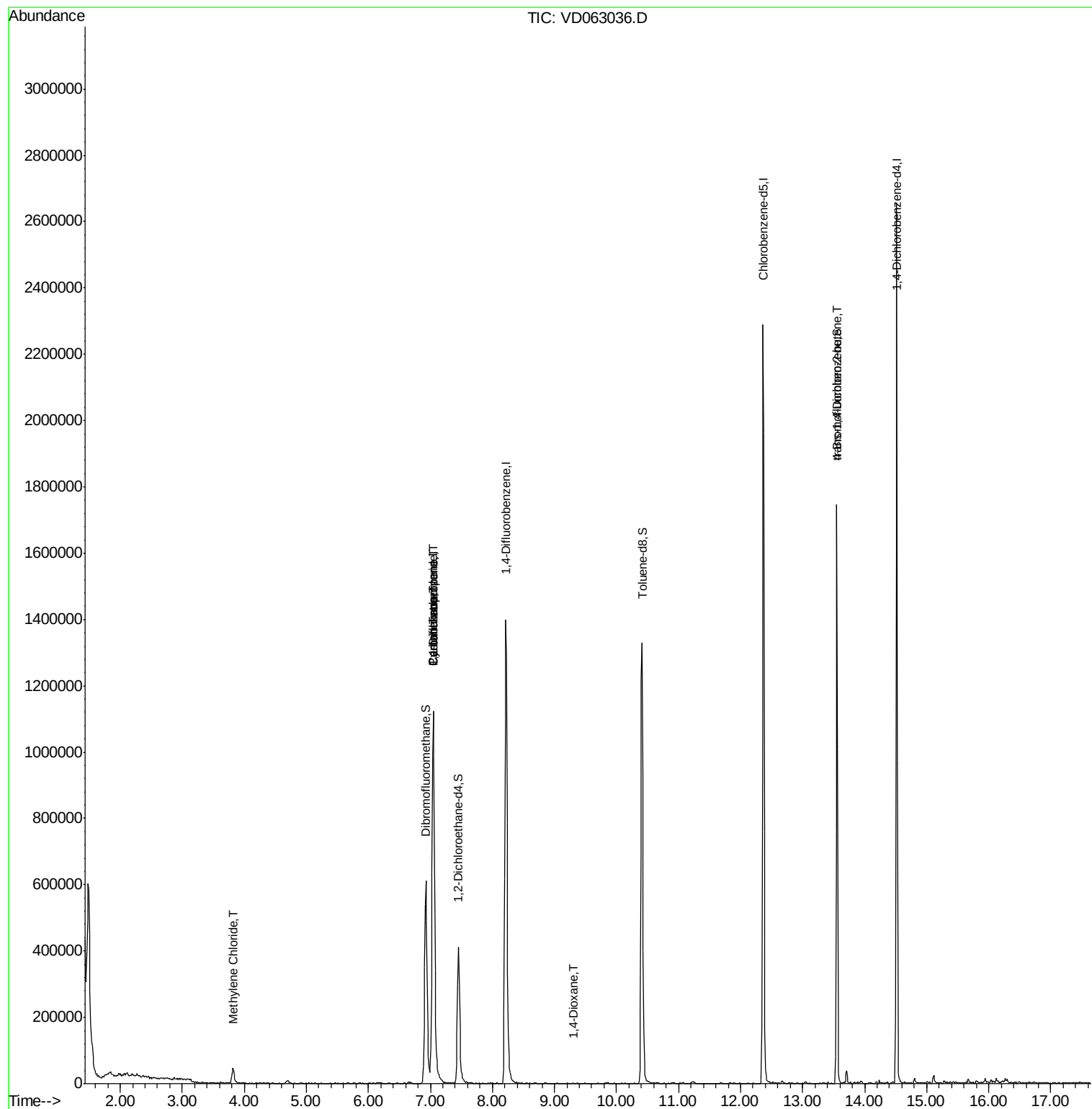
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	4329	Below Cal	#	64
20) Methylene Chloride	3.82	84	28609	3.078	ug/l	91
31) Cyclohexane	7.04	56	24298	2.123	ug/l #	12
36) 1,1-Dichloropropene	7.04	75	84857	5.660	ug/l #	56
37) Ethyl Acetate	6.14	43	180	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	111562	4.948	ug/l #	15
49) 1,4-Dioxane	9.30	88	222	4.778	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	204295	121.546	ug/l #	2

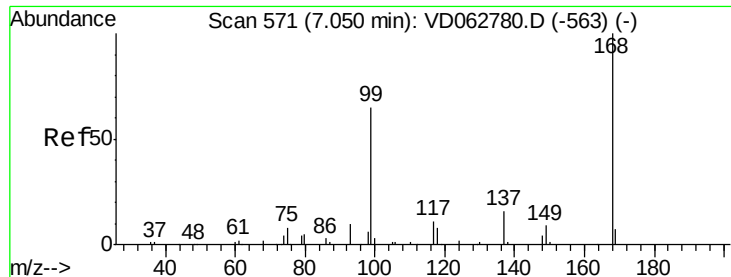
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070819\
Data File : VD063036.D
Acq On : 8 Jul 2019 15:10
Operator : VA/AP
Sample : K3622-01RE
Misc : 6.31g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OR-02-070319-A

Quant Time: Jul 09 05:10:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063036.D

Acq: 8 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

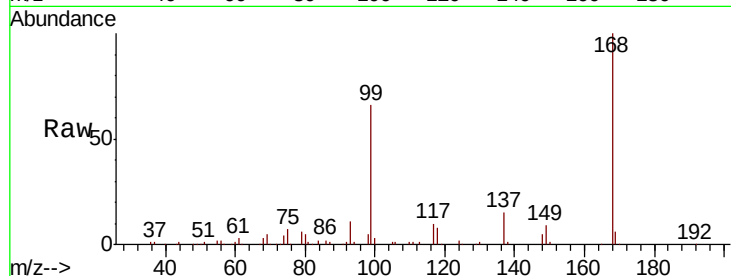
OR-02-070319-A

Tot Ion:168 Resp: 1121186

Ion Ratio Lower Upper

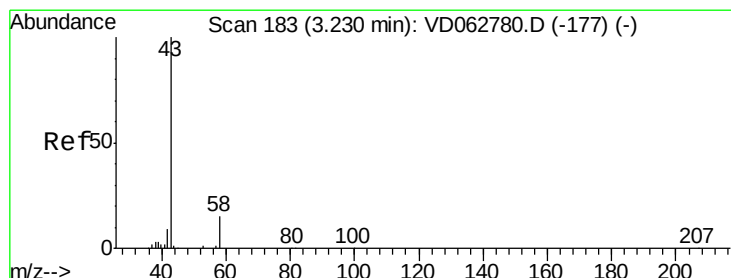
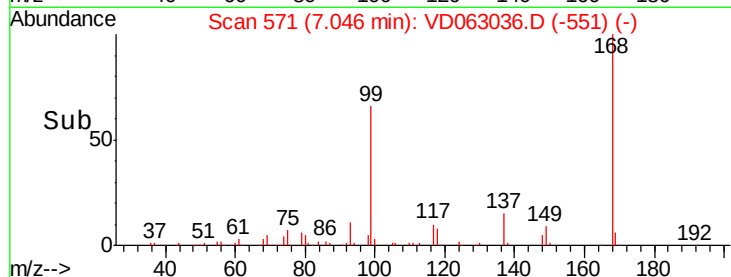
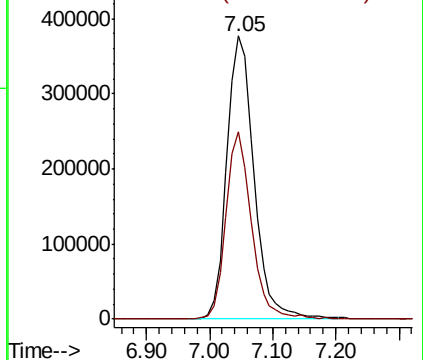
168 100

99 66.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063036.D

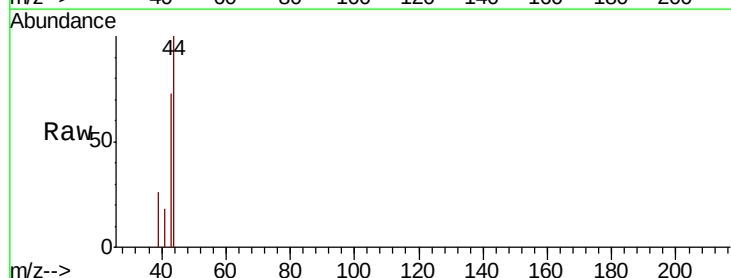
Acq: 8 Jul 2019 15:10

Tgt Ion: 43 Resp: 4329

Ion Ratio Lower Upper

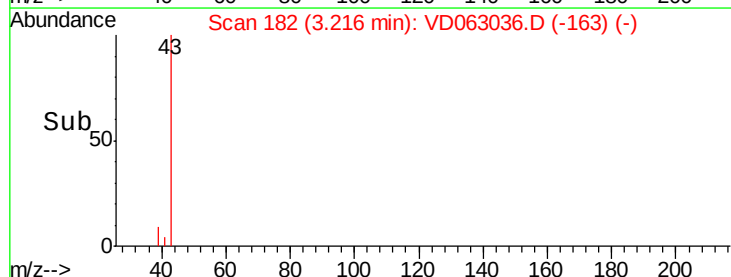
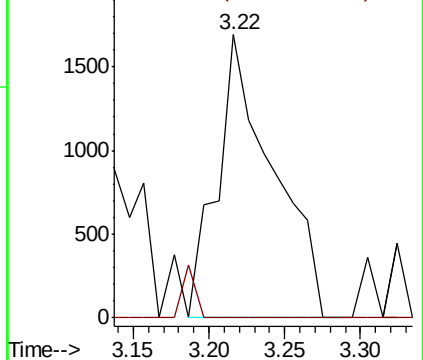
43 100

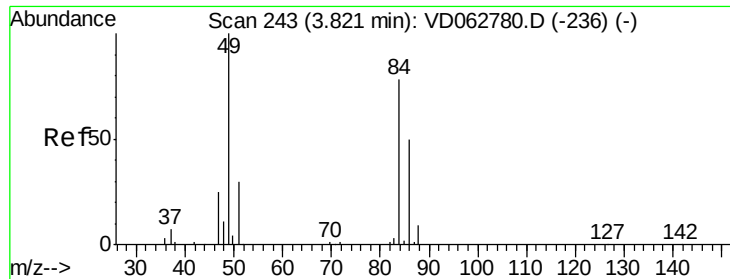
58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

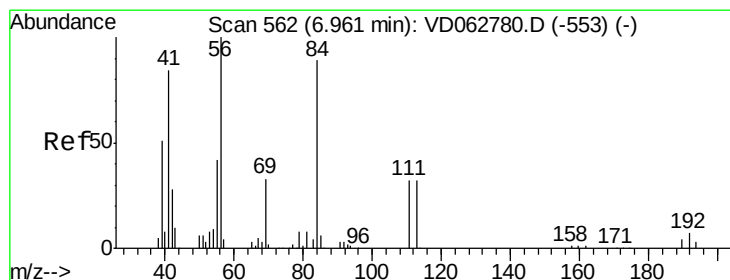
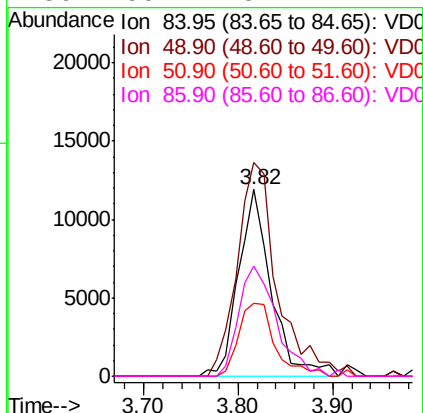
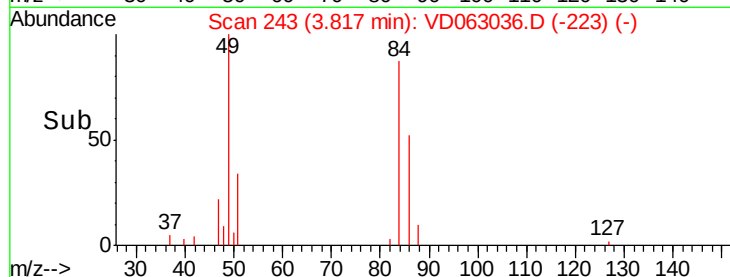
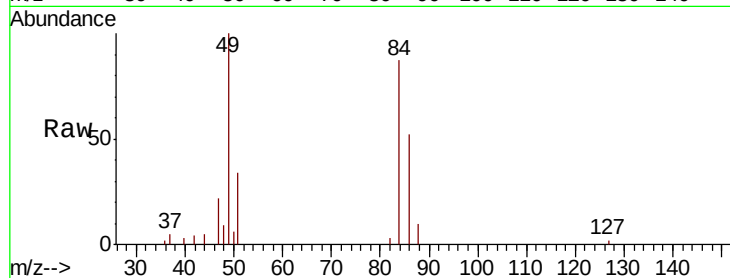




#20
Methylene Chloride
Concen: 3.078 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063036.D
Acq: 8 Jul 2019 15:10

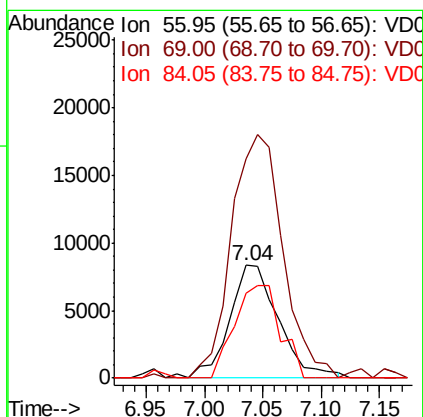
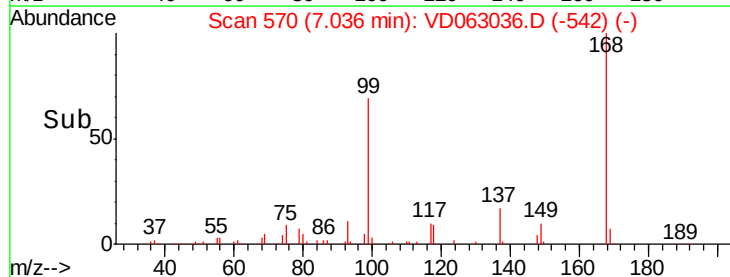
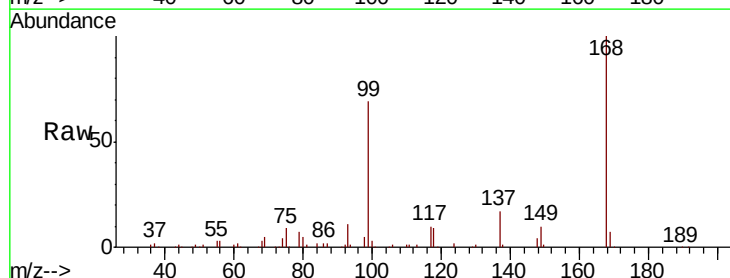
Instrument :
MSVOA_D
ClientSampleId :
OR-02-070319-A

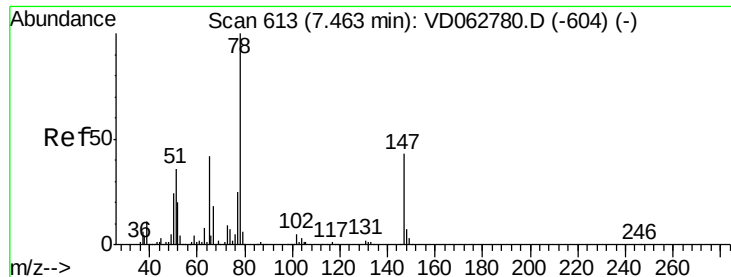
Tot Ion: 84 Resp: 28609
Ion Ratio Lower Upper
84 100
49 114.5 102.9 154.3
51 39.0 31.2 46.8
86 59.4 51.4 77.2



#31
Cyclohexane
Concen: 2.123 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063036.D
Acq: 8 Jul 2019 15:10

Tgt Ion: 56 Resp: 24298
Ion Ratio Lower Upper
56 100
69 194.7 26.6 39.8#
84 76.0 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 41.090 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063036.D

Acq: 8 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

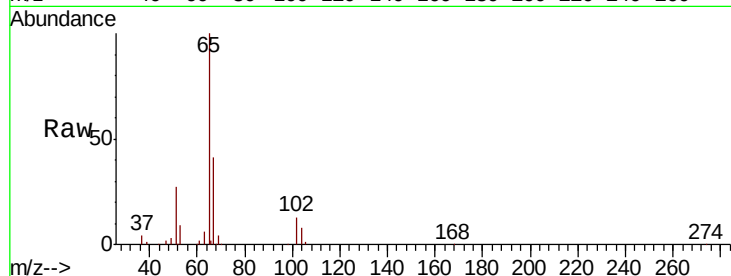
OR-02-070319-A

Tot Ion: 65 Resp: 500764

Ion Ratio Lower Upper

65 100

67 41.5 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

150000

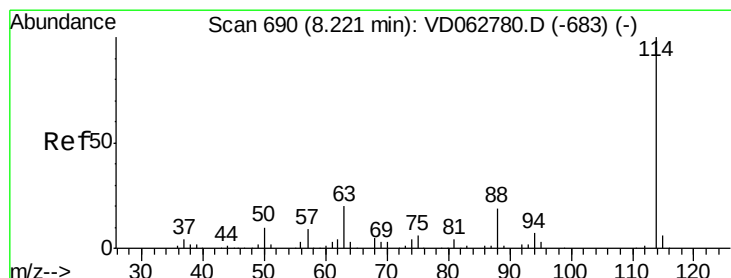
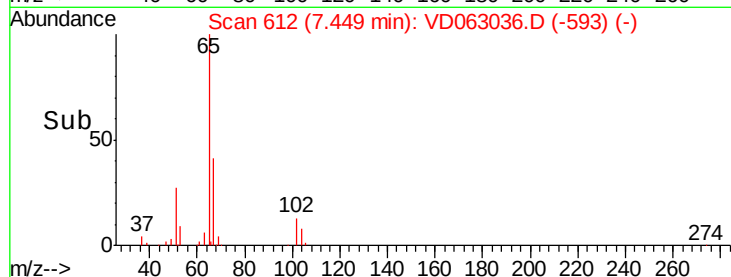
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD063036.D

Acq: 8 Jul 2019 15:10

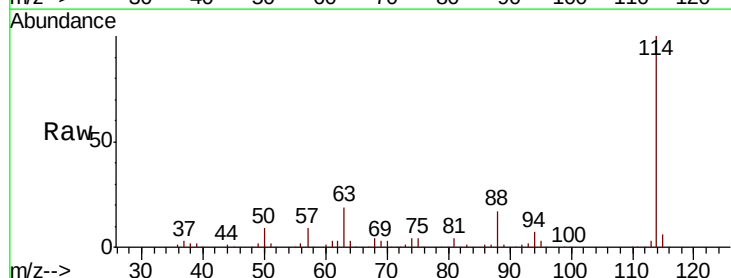
Tgt Ion: 114 Resp: 1583663

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 16.8 0.0 38.8



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

8.22

800000

600000

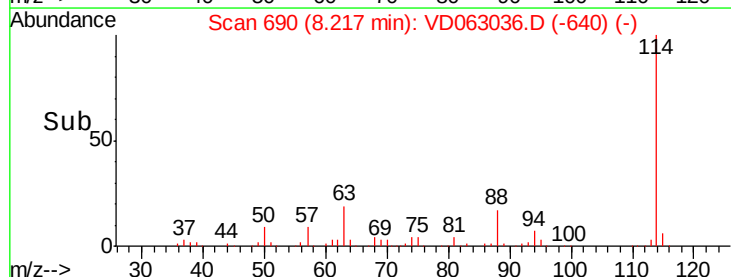
400000

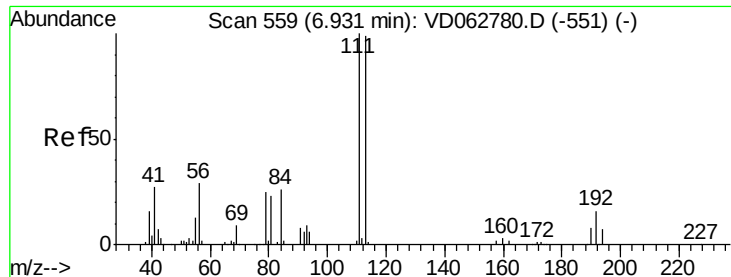
200000

0

Time-->

8.00 8.20 8.40 8.60





#35

Dibromofluoromethane

Concen: 40.121 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063036.D

Acq: 8 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

OR-02-070319-A

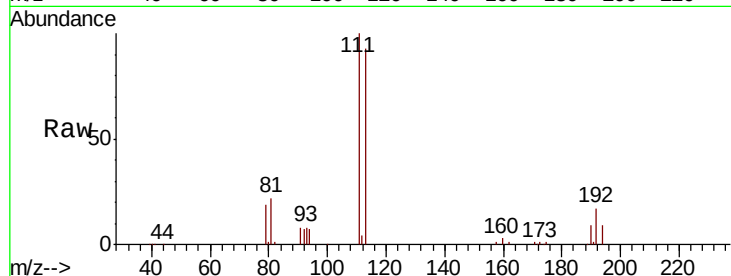
Tot Ion:113 Resp: 535745

Ion Ratio Lower Upper

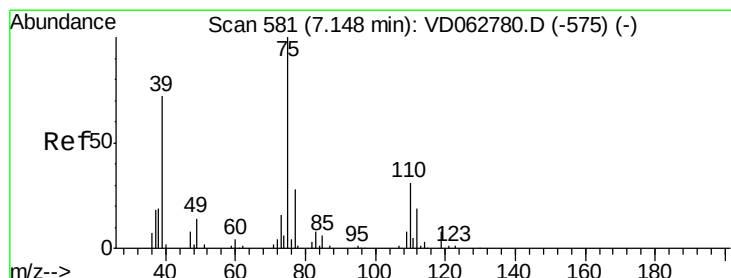
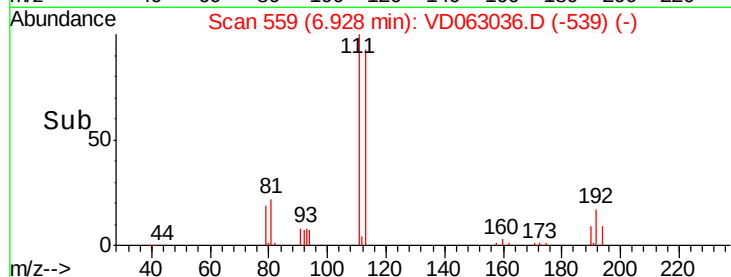
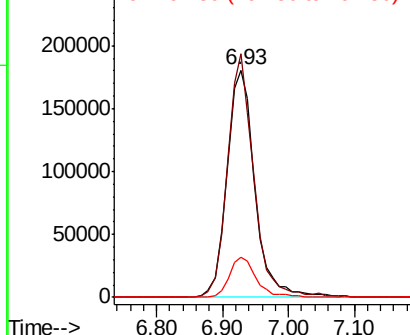
113 100

111 107.0 81.2 121.8

192 17.8 12.9 19.3



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: 5.660 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD063036.D

Acq: 8 Jul 2019 15:10

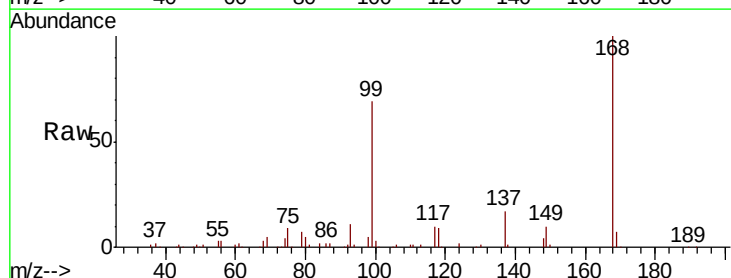
Tgt Ion: 75 Resp: 84857

Ion Ratio Lower Upper

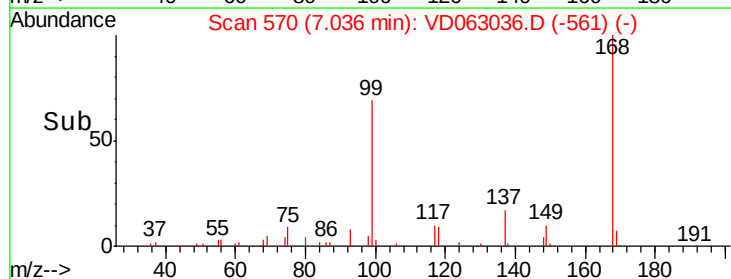
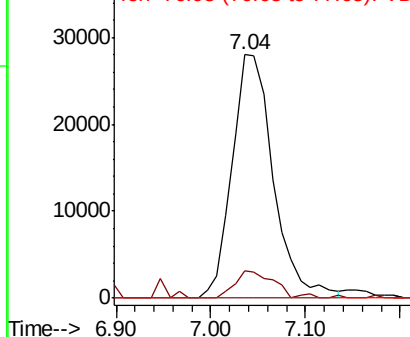
75 100

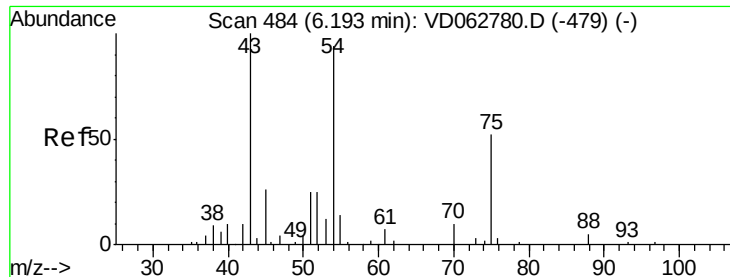
110 11.1 15.0 45.1#

77 0.0 22.2 33.2#



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





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.14 min Scan# 479

Delta R.T. -0.05 min

Lab File: VD063036.D

Acq: 8 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

OR-02-070319-A

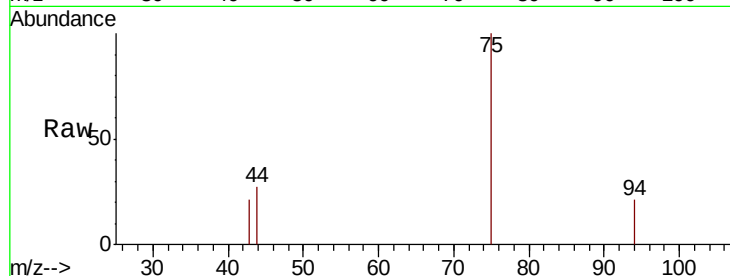
Tot Ion: 43 Resp: 180

Ion Ratio Lower Upper

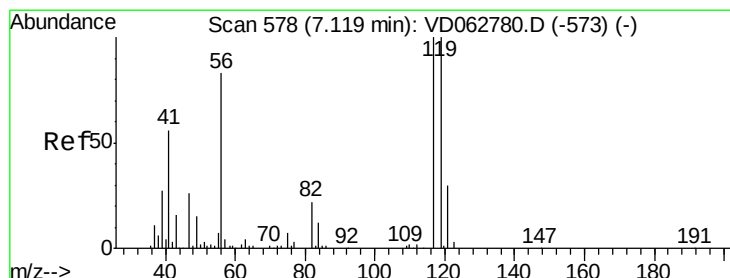
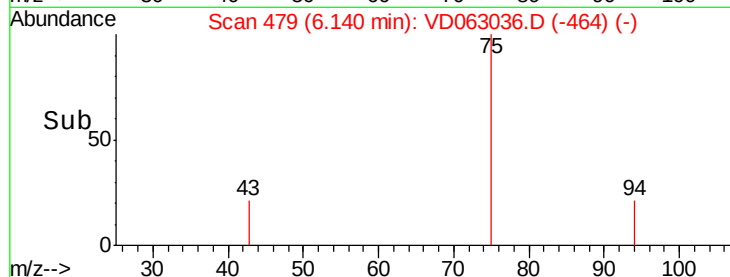
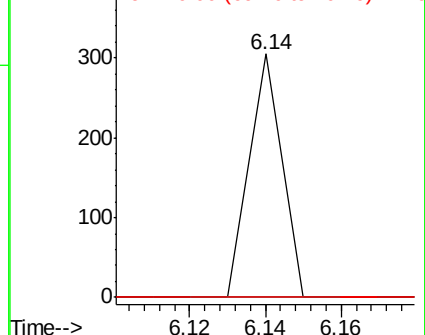
43 100

61 0.0 11.6 17.4#

70 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.948 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD063036.D

Acq: 8 Jul 2019 15:10

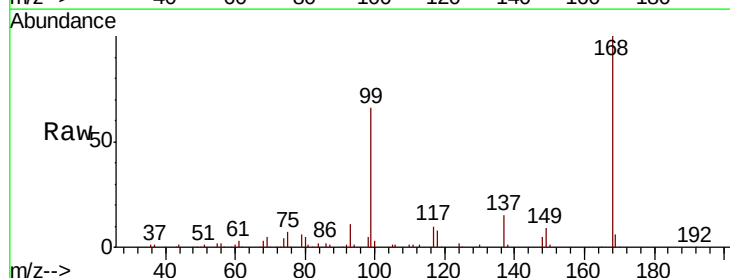
Tgt Ion: 117 Resp: 111562

Ion Ratio Lower Upper

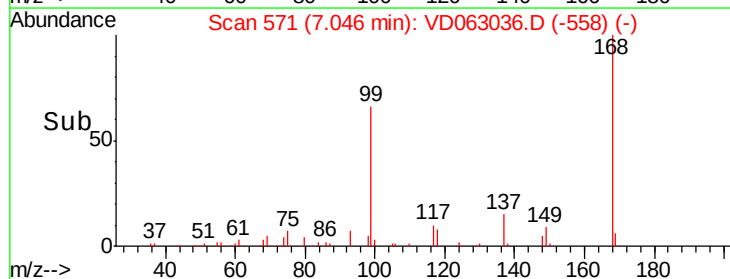
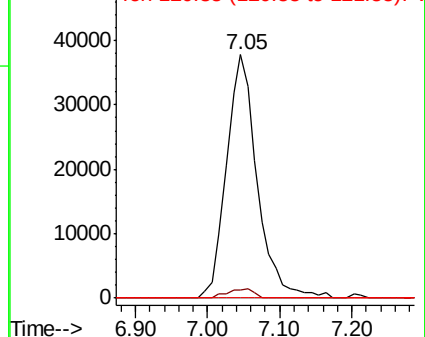
117 100

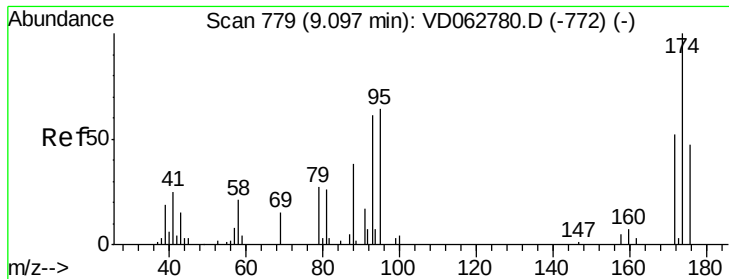
119 3.4 75.4 113.2#

121 0.0 22.3 33.5#



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

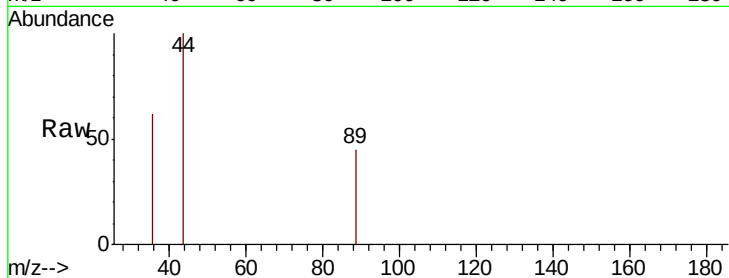




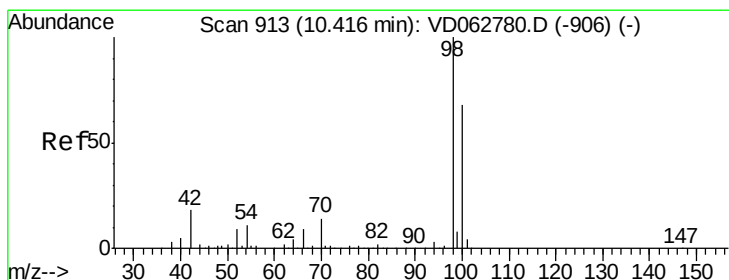
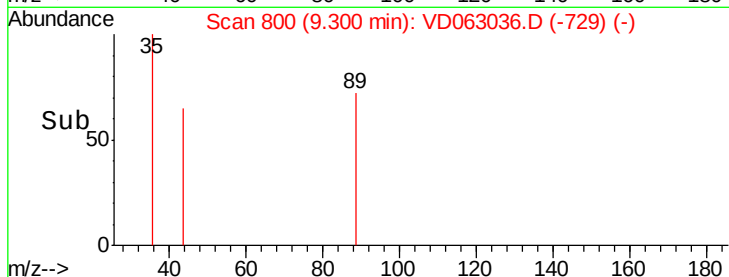
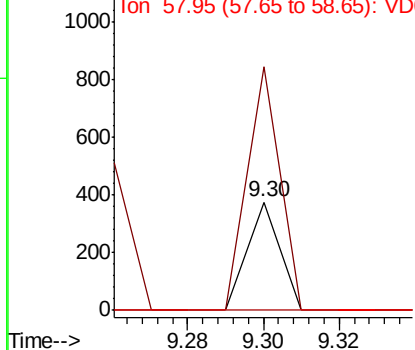
#49
 1,4-Dioxane
 Concen: 4.778 ug/l
 RT: 9.30 min Scan# 800
 Delta R.T. 0.20 min
 Lab File: VD063036.D
 Acq: 8 Jul 2019 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-070319-A

Tot Ion: 88 Resp: 222
 Ion Ratio Lower Upper
 88 100
 43 224.5 32.1 48.1#
 58 0.0 44.1 66.1#

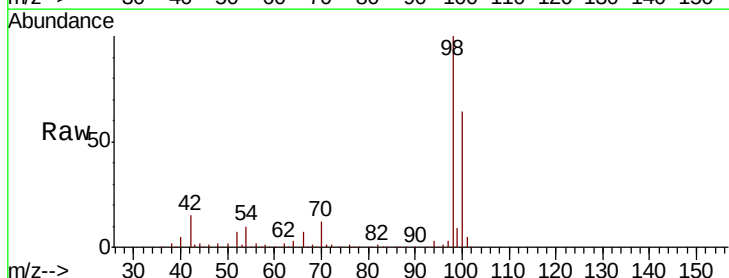


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

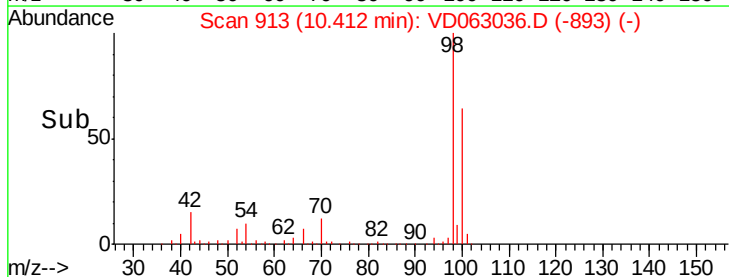
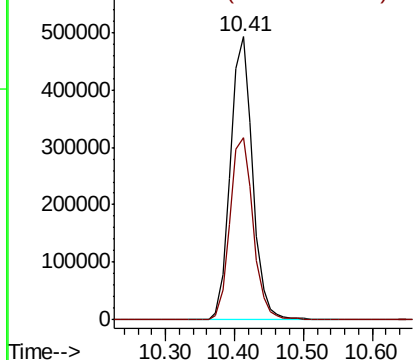


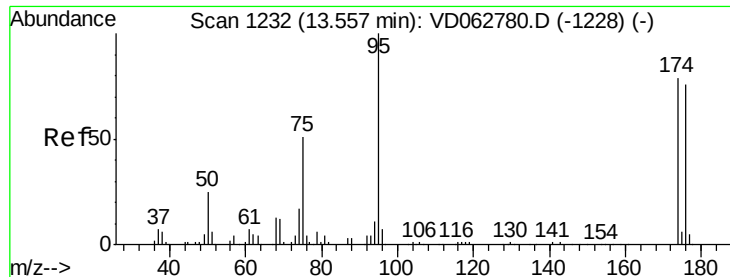
#50
 Toluene-d8
 Concen: 37.692 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VD063036.D
 Acq: 8 Jul 2019 15:10

Tgt Ion: 98 Resp: 1095449
 Ion Ratio Lower Upper
 98 100
 100 64.4 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC

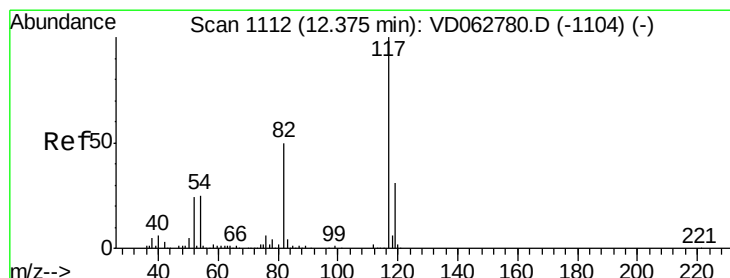
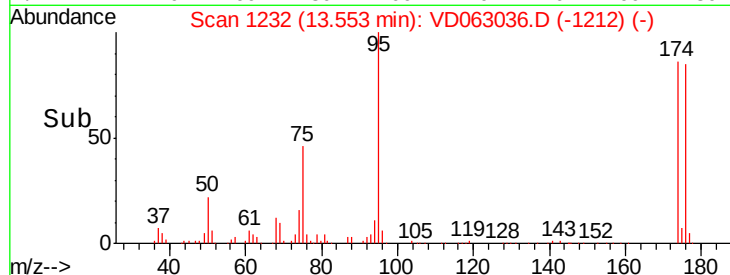
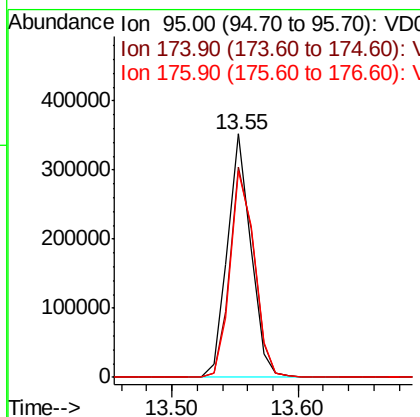
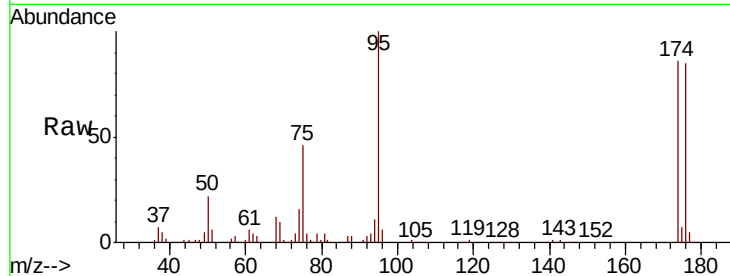




#62
4-Bromofluorobenzene
Concen: 34.087 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063036.D
Acq: 8 Jul 2019 15:10

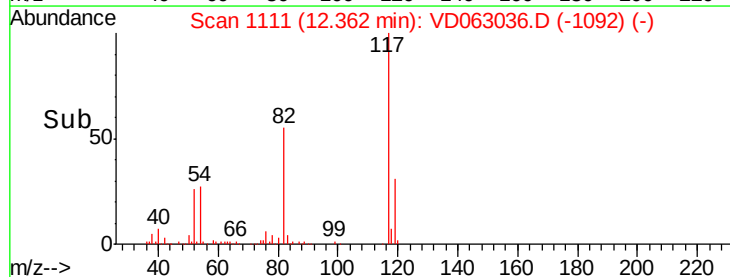
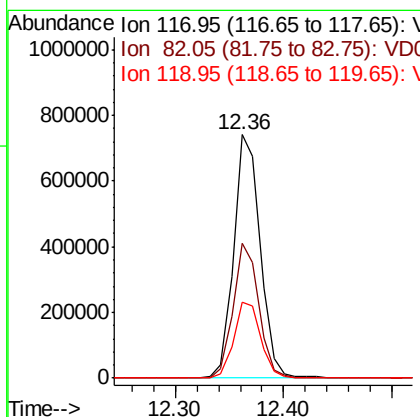
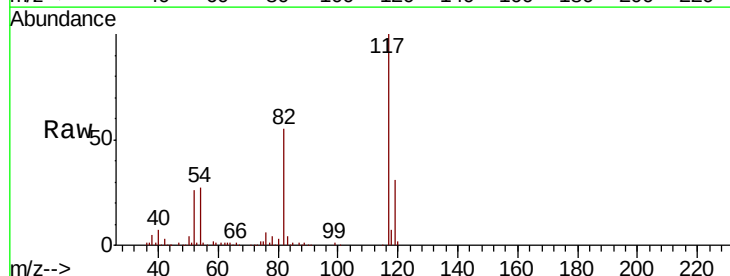
Instrument :
MSVOA_D
ClientSampleId :
OR-02-070319-A

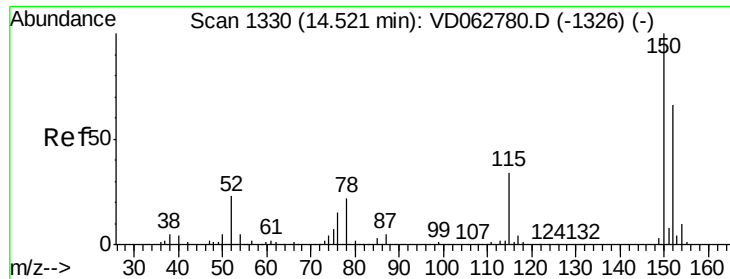
Tot Ion: 95 Resp: 450463
Ion Ratio Lower Upper
95 100
174 86.2 0.0 158.0
176 84.6 0.0 151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063036.D
Acq: 8 Jul 2019 15:10

Tgt Ion: 117 Resp: 1261932
Ion Ratio Lower Upper
117 100
82 55.3 40.4 60.6
119 31.3 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063036.D

Acq: 8 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

OR-02-070319-A

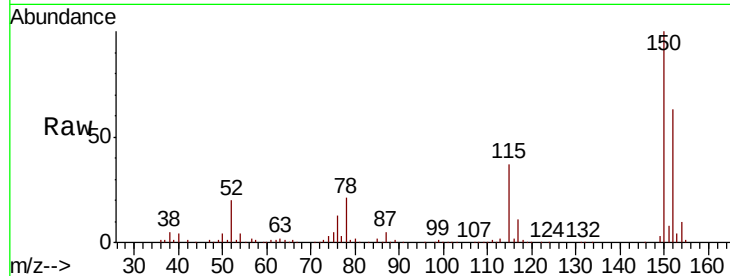
Tot Ion:152 Resp: 555531

Ion Ratio Lower Upper

152 100

115 59.3 29.2 87.6

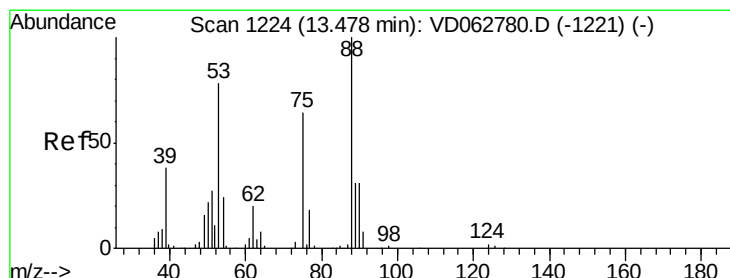
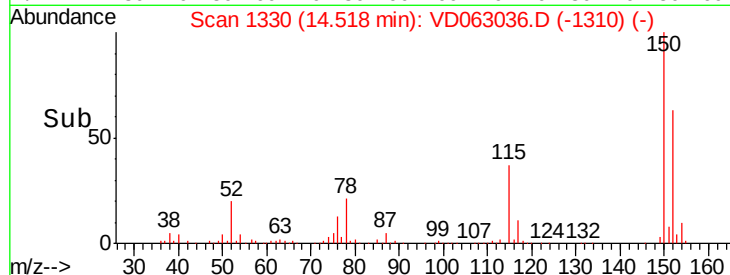
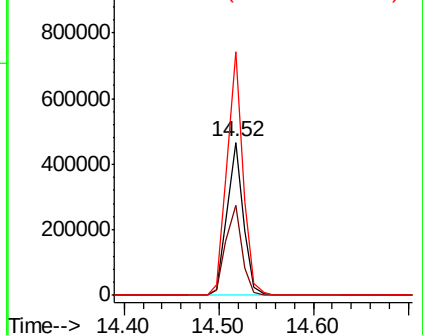
150 159.2 0.0 305.8



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: 121.546 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063036.D

Acq: 8 Jul 2019 15:10

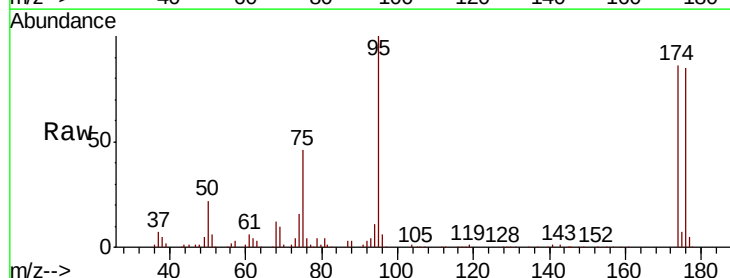
Tgt Ion: 75 Resp: 204295

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

