

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062990.D
 Acq On : 1 Jul 2019 15:14
 Operator : VA/AP
 Sample : K3160-07
 Misc : 5.77g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-062819-A

Quant Time: Jul 02 07:35:03 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	826654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1084051	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	866124	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	376841	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	465903	51.85	ug/l	-0.01
Spiked Amount						
			Recovery	=	103.70%	
35) Dibromofluoromethane	6.92	113	474280	51.89	ug/l	-0.01
Spiked Amount						
			Recovery	=	103.78%	
50) Toluene-d8	10.41	98	887270	44.60	ug/l	0.00
Spiked Amount						
			Recovery	=	89.20%	
62) 4-Bromofluorobenzene	13.55	95	383670	42.41	ug/l	0.00
Spiked Amount						
			Recovery	=	84.82%	

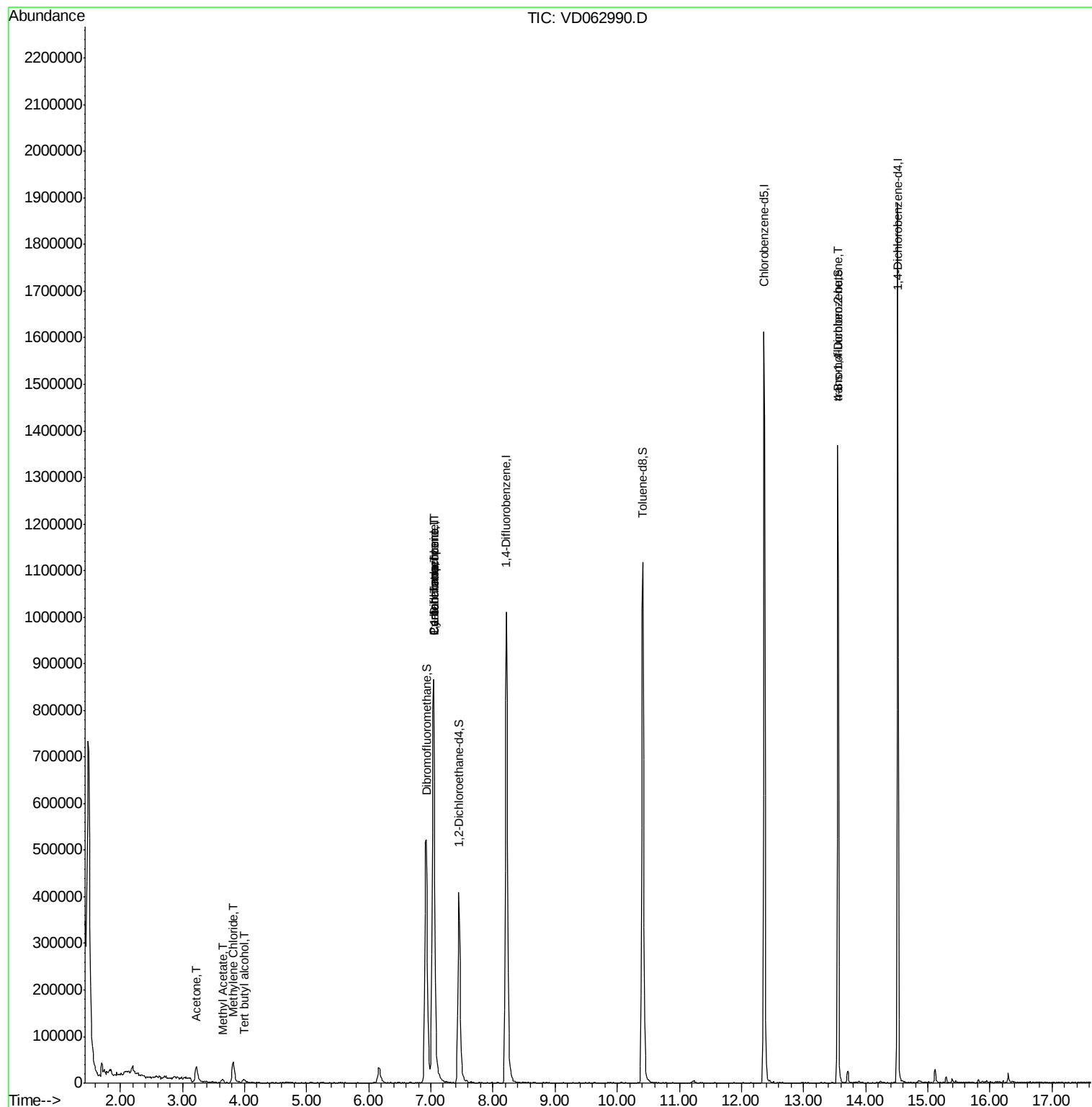
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	7380	18.033	ug/l #	77
16) Acetone	3.23	43	74723	34.990	ug/l #	88
18) Methyl Acetate	3.64	43	11827	4.360	ug/l #	87
20) Methylene Chloride	3.82	84	29993	4.377	ug/l #	97
31) Cyclohexane	7.04	56	18790	2.227	ug/l #	29
36) 1,1-Dichloropropene	7.05	75	68960	6.720	ug/l #	53
37) Ethyl Acetate	6.16	43	2695	Below Cal	#	31
38) Carbon Tetrachloride	7.05	117	86003	5.572	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	182671	160.215	ug/l #	2

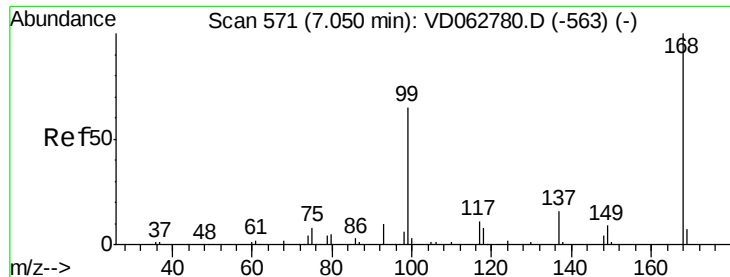
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
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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: VD062990.D

Acq: 1 Jul 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

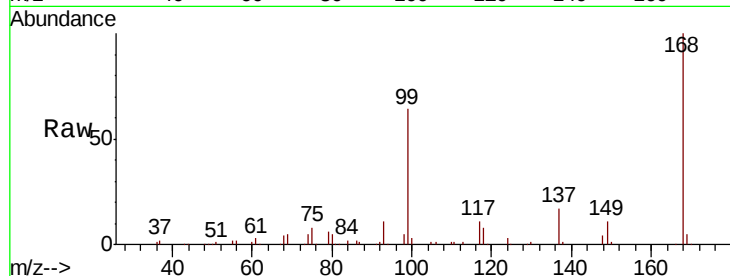
EO-01-062819-A

Tot Ion:168 Resp: 826654

Ion Ratio Lower Upper

168 100

99 64.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

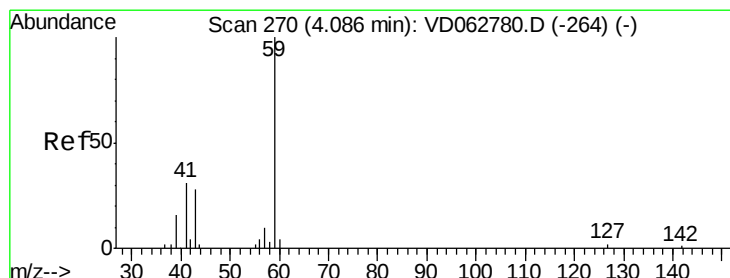
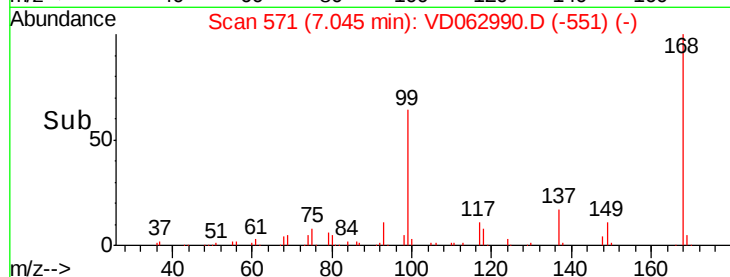
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#11

Tert butyl alcohol

Concen: 18.033 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.09 min

Lab File: VD062990.D

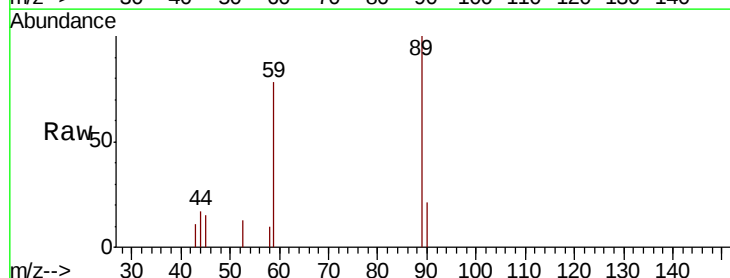
Acq: 1 Jul 2019 15:14

Tgt Ion: 59 Resp: 7380

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3000

2500

2000

1500

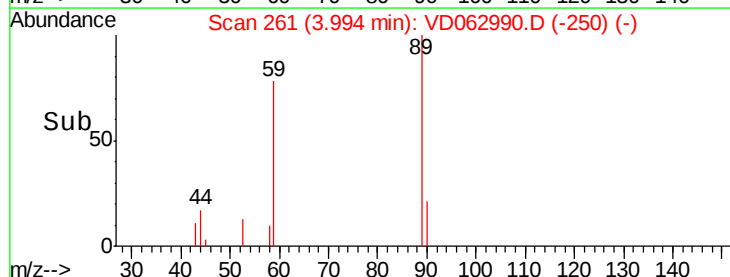
1000

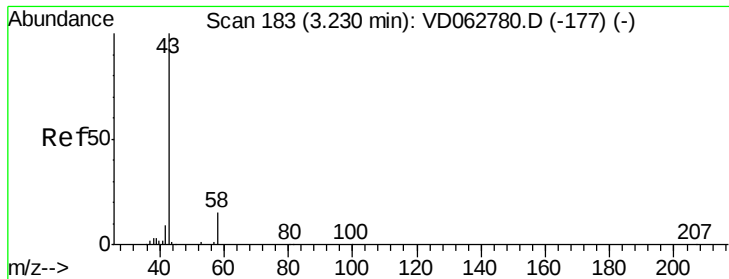
500

0

Time-->

3.90 3.95 4.00 4.05 4.10





#16

Acetone

Concen: 34.990 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062990.D

Acq: 1 Jul 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

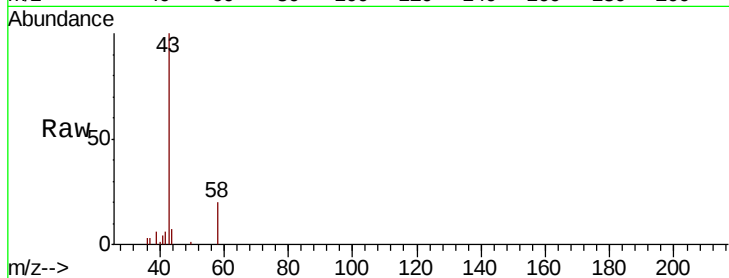
EO-01-062819-A

Tot Ion: 43 Resp: 74723

Ion Ratio Lower Upper

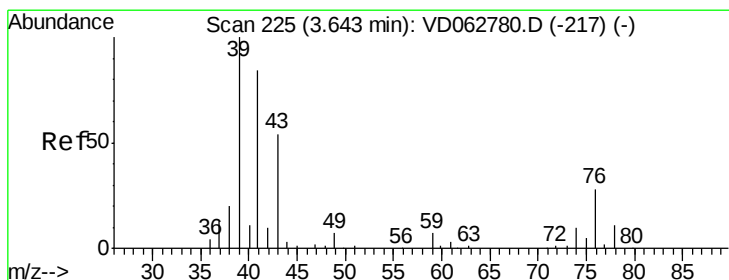
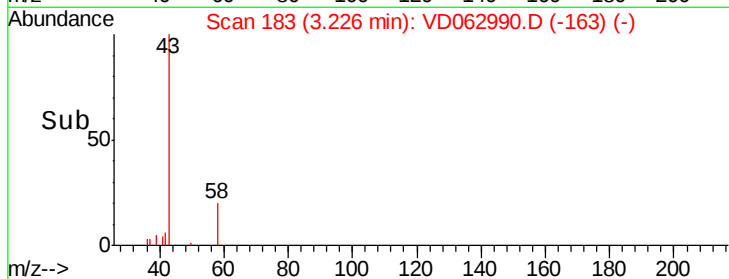
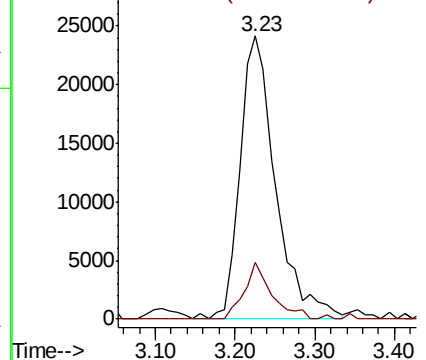
43 100

58 20.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 4.360 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD062990.D

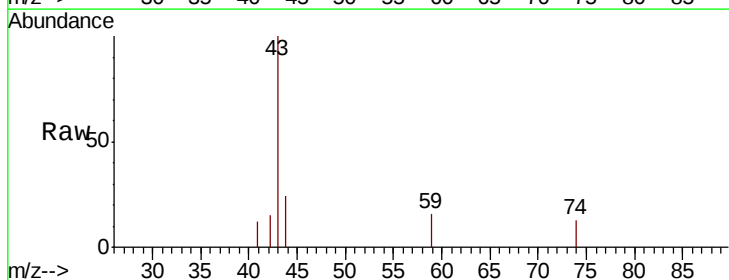
Acq: 1 Jul 2019 15:14

Tgt Ion: 43 Resp: 11827

Ion Ratio Lower Upper

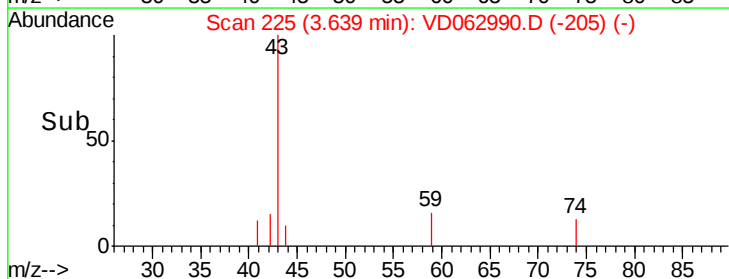
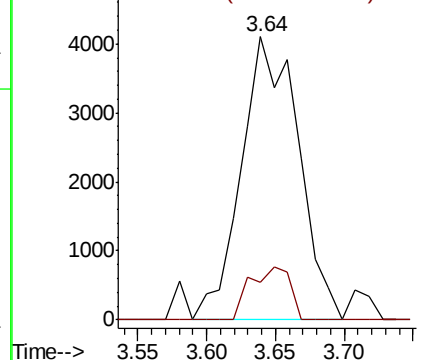
43 100

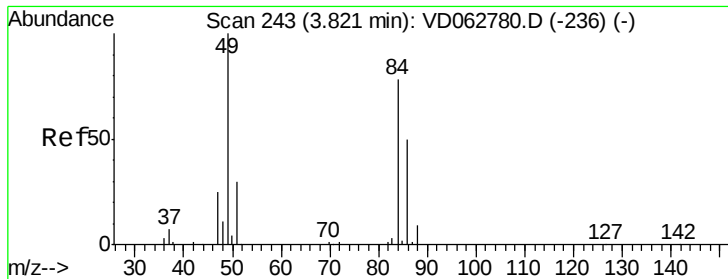
74 13.3 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

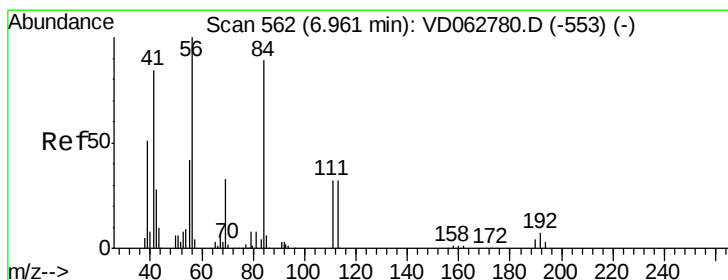
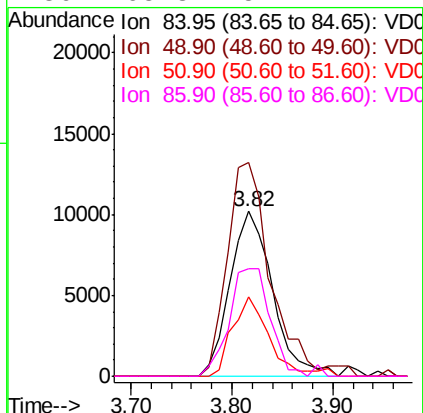
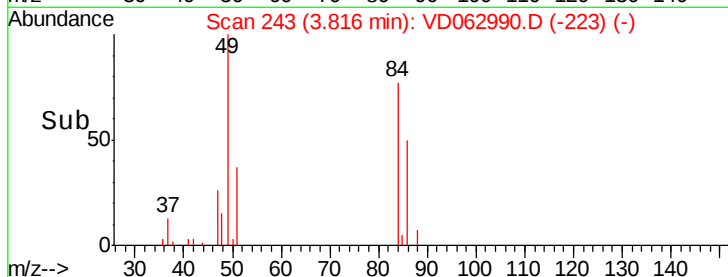
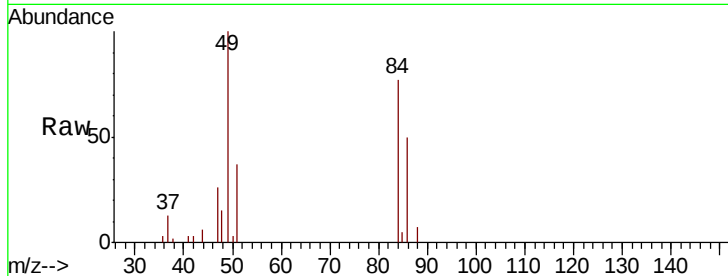




#20
Methvlene Chloride
Concen: 4.377 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062990.D
Acq: 1 Jul 2019 15:14

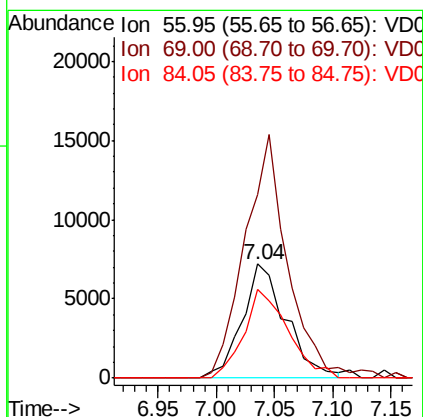
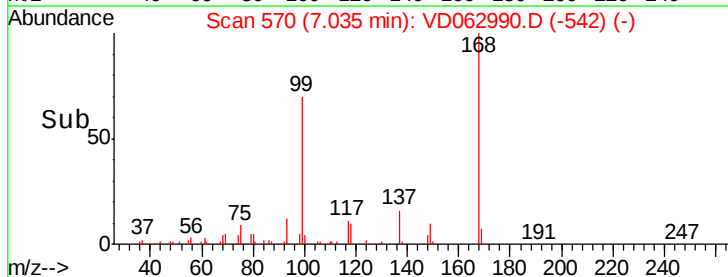
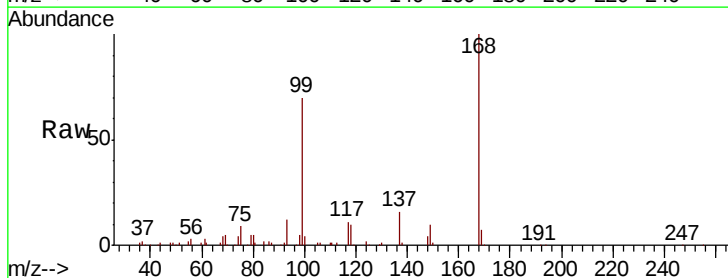
Instrument :
MSVOA_D
ClientSampleId :
EO-01-062819-A

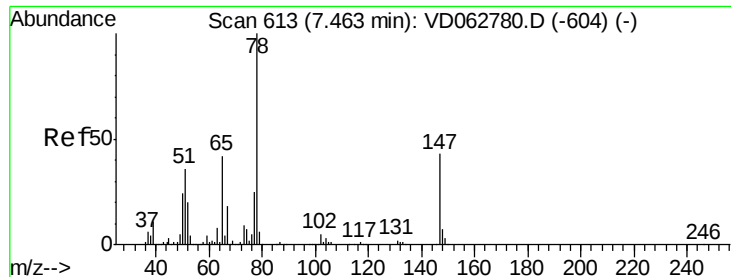
Tot Ion: 84 Resp: 29993
Ion Ratio Lower Upper
84 100
49 129.6 102.9 154.3
51 47.9 31.2 46.8#
86 65.3 51.4 77.2



#31
Cyclohexane
Concen: 2.227 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD062990.D
Acq: 1 Jul 2019 15:14

Tgt Ion: 56 Resp: 18790
Ion Ratio Lower Upper
56 100
69 161.3 26.6 39.8#
84 77.8 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 51.850 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062990.D

Acq: 1 Jul 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

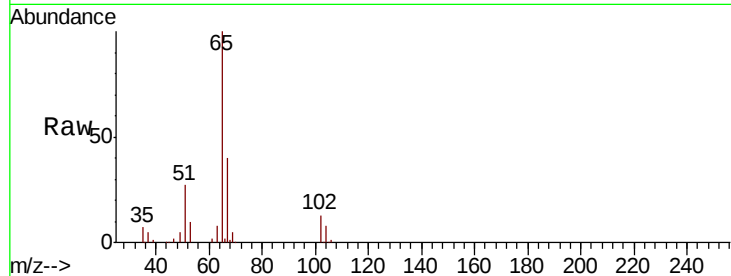
EO-01-062819-A

Tot Ion: 65 Resp: 465903

Ion Ratio Lower Upper

65 100

67 39.5 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

150000

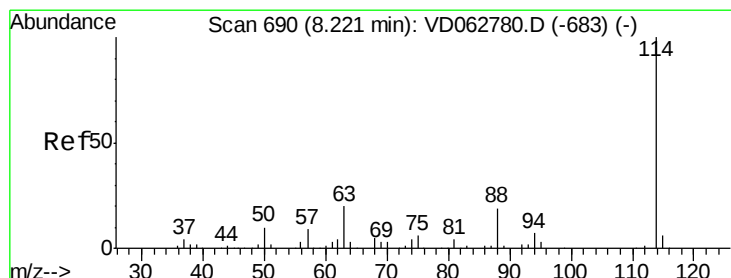
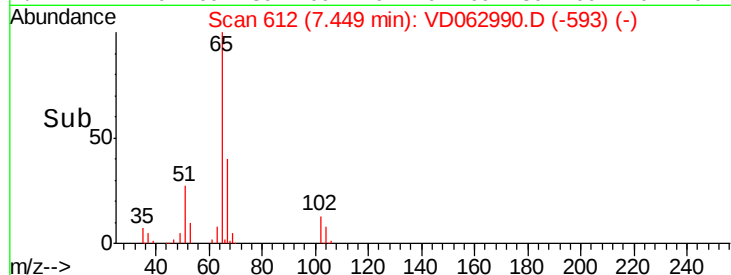
100000

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: VD062990.D

Acq: 1 Jul 2019 15:14

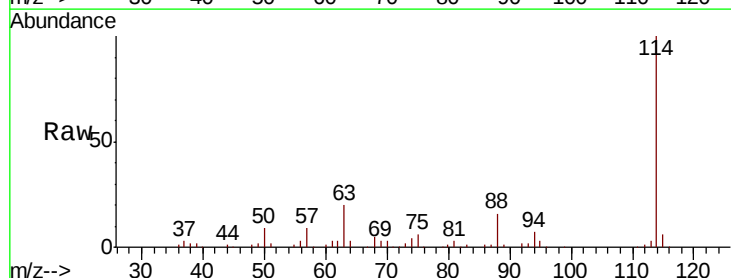
Tgt Ion: 114 Resp: 1084051

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 16.1 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

600000

500000

400000

300000

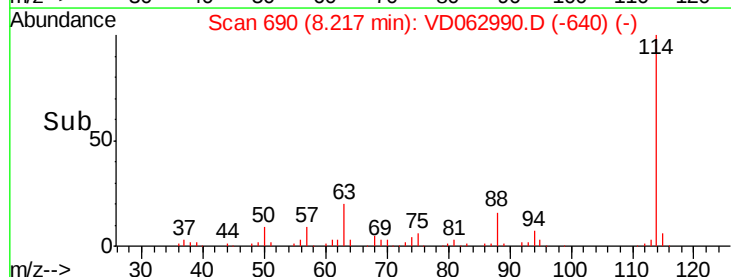
200000

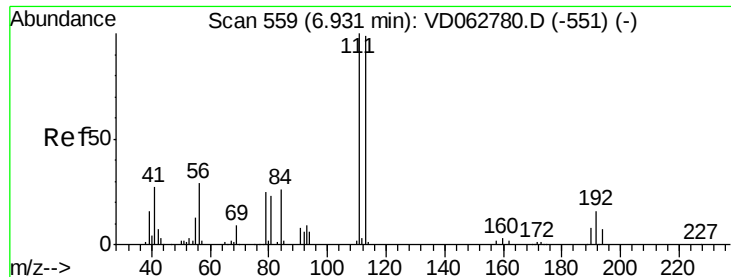
100000

0

Time-->

8.20 8.40





#35

Dibromofluoromethane

Concen: 51.887 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062990.D

Acq: 1 Jul 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

EO-01-062819-A

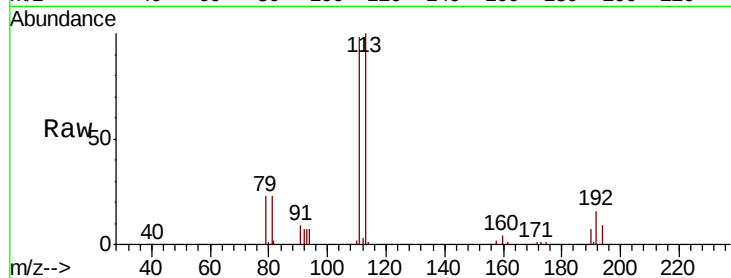
Tot Ion:113 Resp: 474280

Ion Ratio Lower Upper

113 100

111 97.5 81.2 121.8

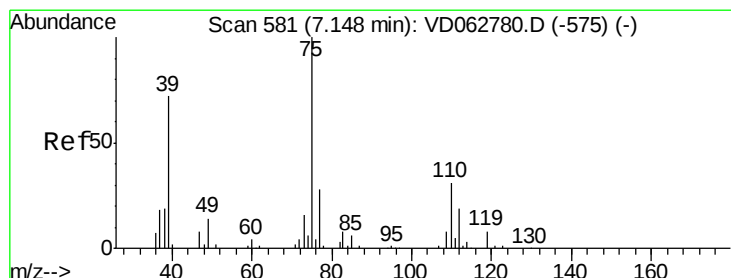
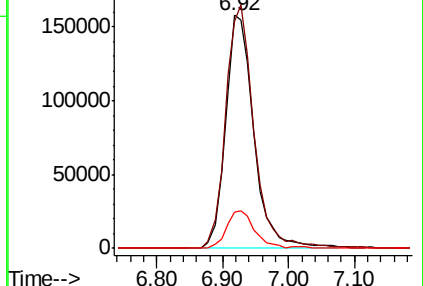
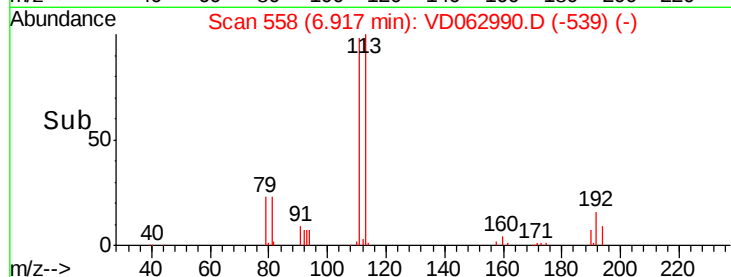
192 15.5 12.9 19.3



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: 6.720 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062990.D

Acq: 1 Jul 2019 15:14

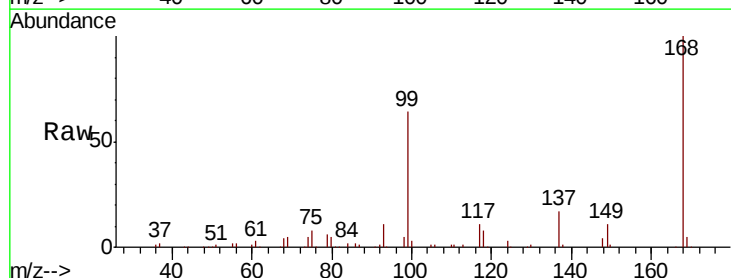
Tgt Ion: 75 Resp: 68960

Ion Ratio Lower Upper

75 100

110 7.6 15.0 45.1#

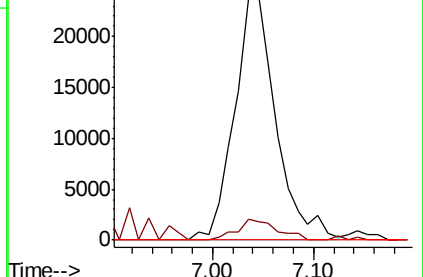
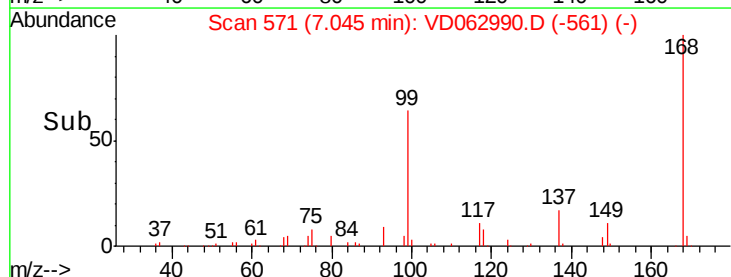
77 0.0 22.2 33.2#

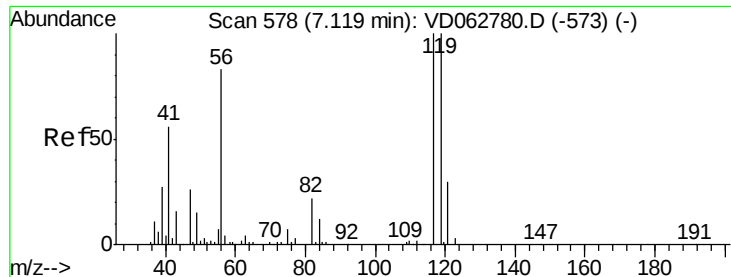


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.572 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062990.D

Acq: 1 Jul 2019 15:14

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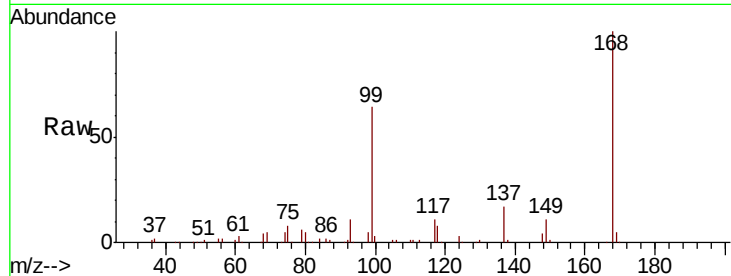
Tot Ion:117 Resp: 86003

Ion Ratio Lower Upper

117 100

119 3.5 75.4 113.2#

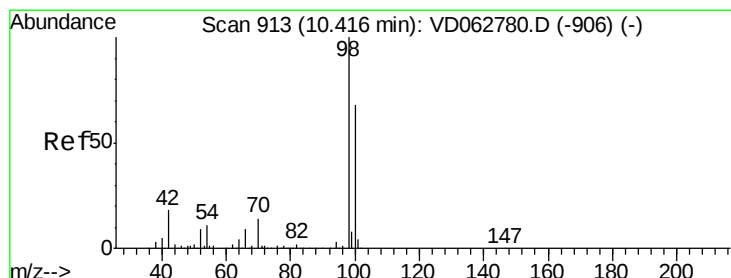
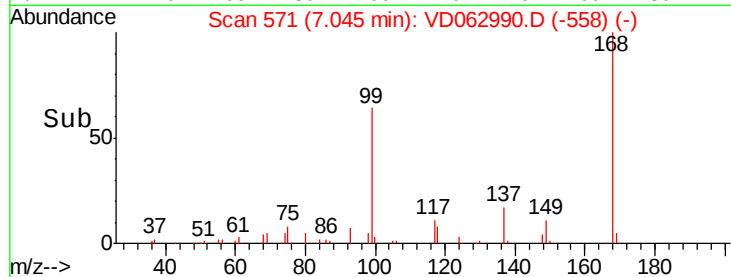
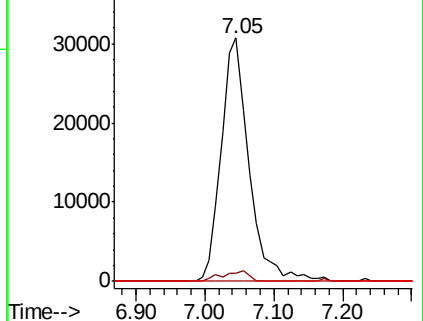
121 0.0 22.3 33.5#



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



#50

Toluene-d8

Concen: 44.599 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062990.D

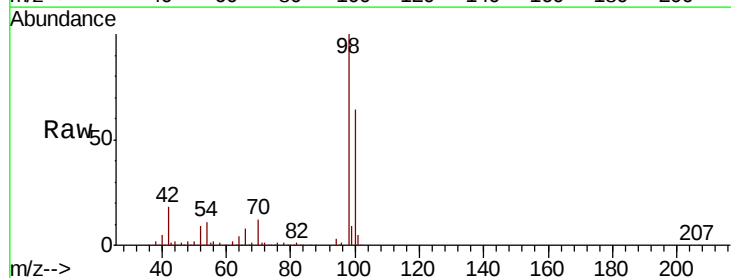
Acq: 1 Jul 2019 15:14

Tgt Ion: 98 Resp: 887270

Ion Ratio Lower Upper

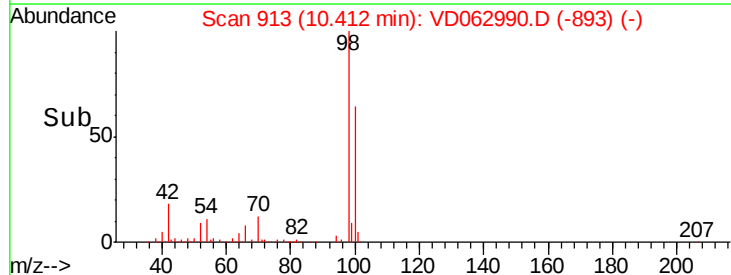
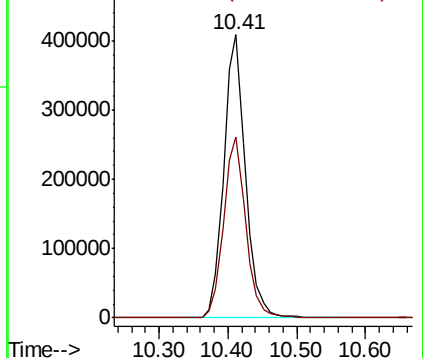
98 100

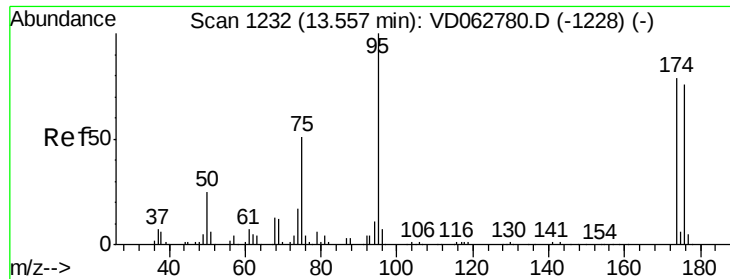
100 63.9 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 42.413 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062990.D

Acq: 1 Jul 2019 15:14

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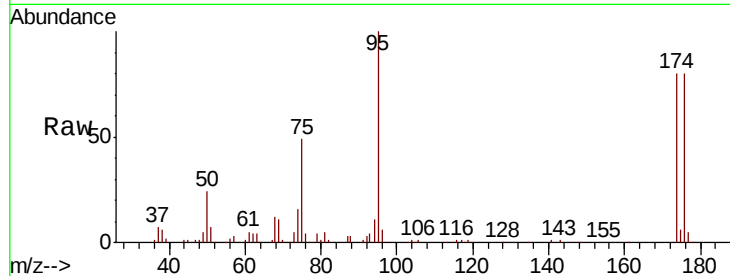
Tot Ion: 95 Resp: 383670

Ion Ratio Lower Upper

95 100

174 79.6 0.0 158.0

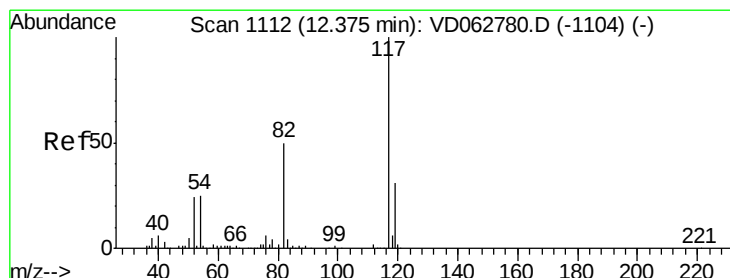
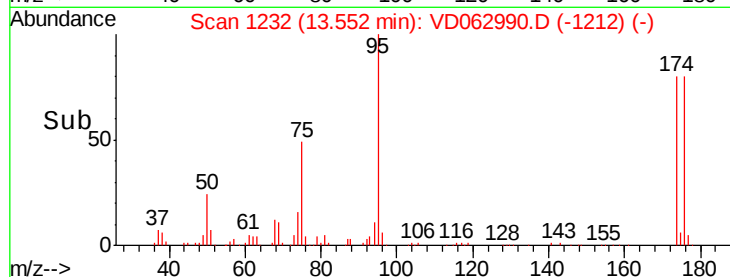
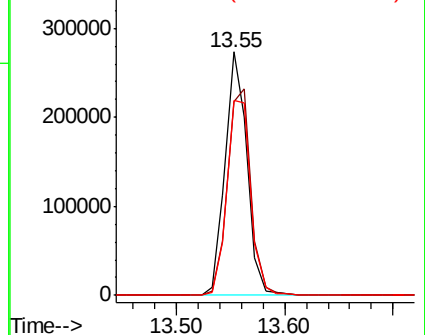
176 79.9 0.0 151.6



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. -0.01 min

Lab File: VD062990.D

Acq: 1 Jul 2019 15:14

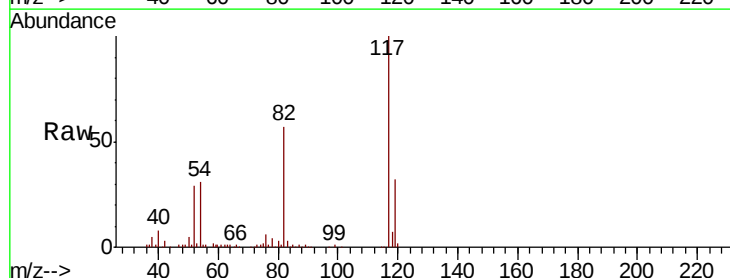
Tgt Ion: 117 Resp: 866124

Ion Ratio Lower Upper

117 100

82 56.8 40.4 60.6

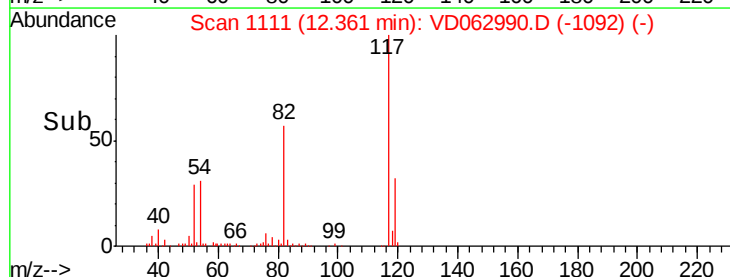
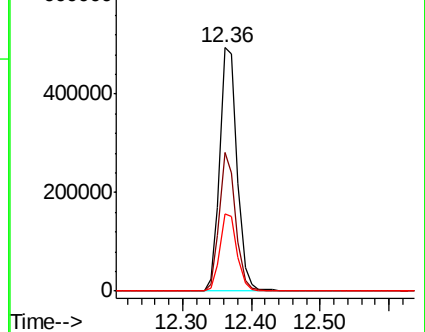
119 31.9 25.2 37.8

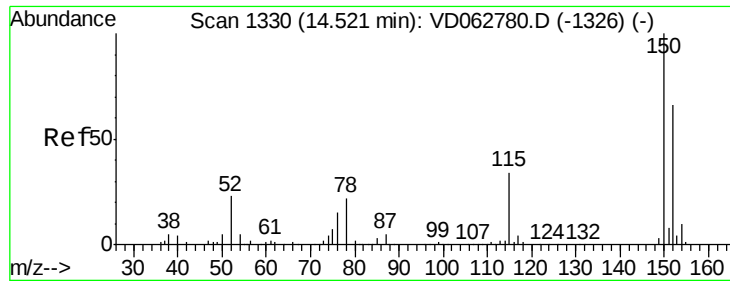


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062990.D

Acq: 1 Jul 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

EO-01-062819-A

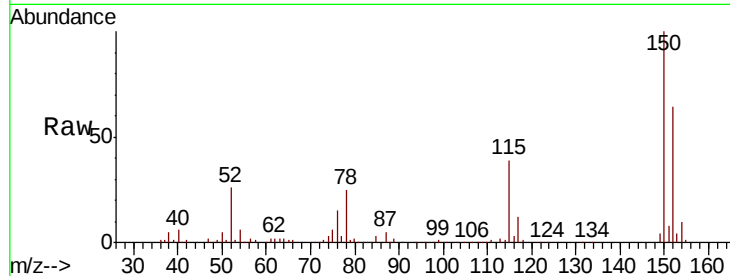
Tot Ion:152 Resp: 376841

Ion Ratio Lower Upper

152 100

115 60.4 29.2 87.6

150 155.9 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

600000

500000

400000

300000

200000

100000

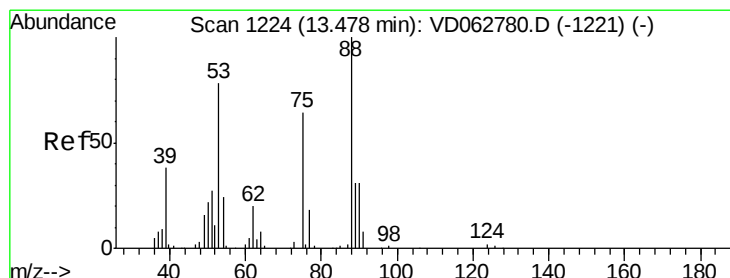
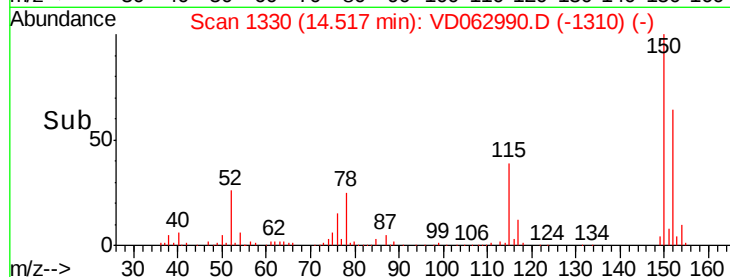
0

14.52

14.50

14.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 160.215 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062990.D

Acq: 1 Jul 2019 15:14

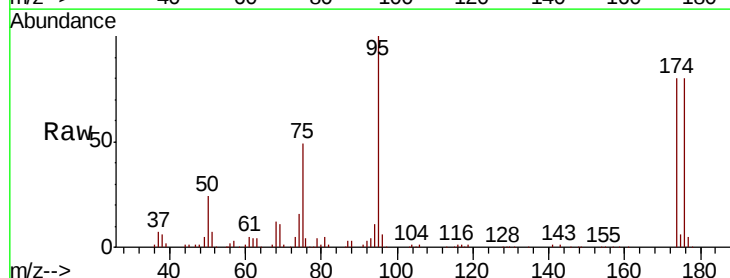
Tgt Ion: 75 Resp: 182671

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

150000

100000

50000

0

13.55

13.50

13.60

13.65

Time-->

