

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063524.D
 Acq On : 13 Aug 2019 13:45
 Operator : JC/SY
 Sample : VD0813SBL01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:27:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1191027	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1646416	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	1351099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	712906	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	728836	57.25	ug/l	-0.01
Spiked Amount			Recovery	=	114.50%	
35) Dibromofluoromethane	6.93	113	811510	58.52	ug/l	0.00
Spiked Amount			Recovery	=	117.04%	
50) Toluene-d8	10.42	98	1772350	58.14	ug/l	0.00
Spiked Amount			Recovery	=	116.28%	
62) 4-Bromofluorobenzene	13.56	95	761616	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	

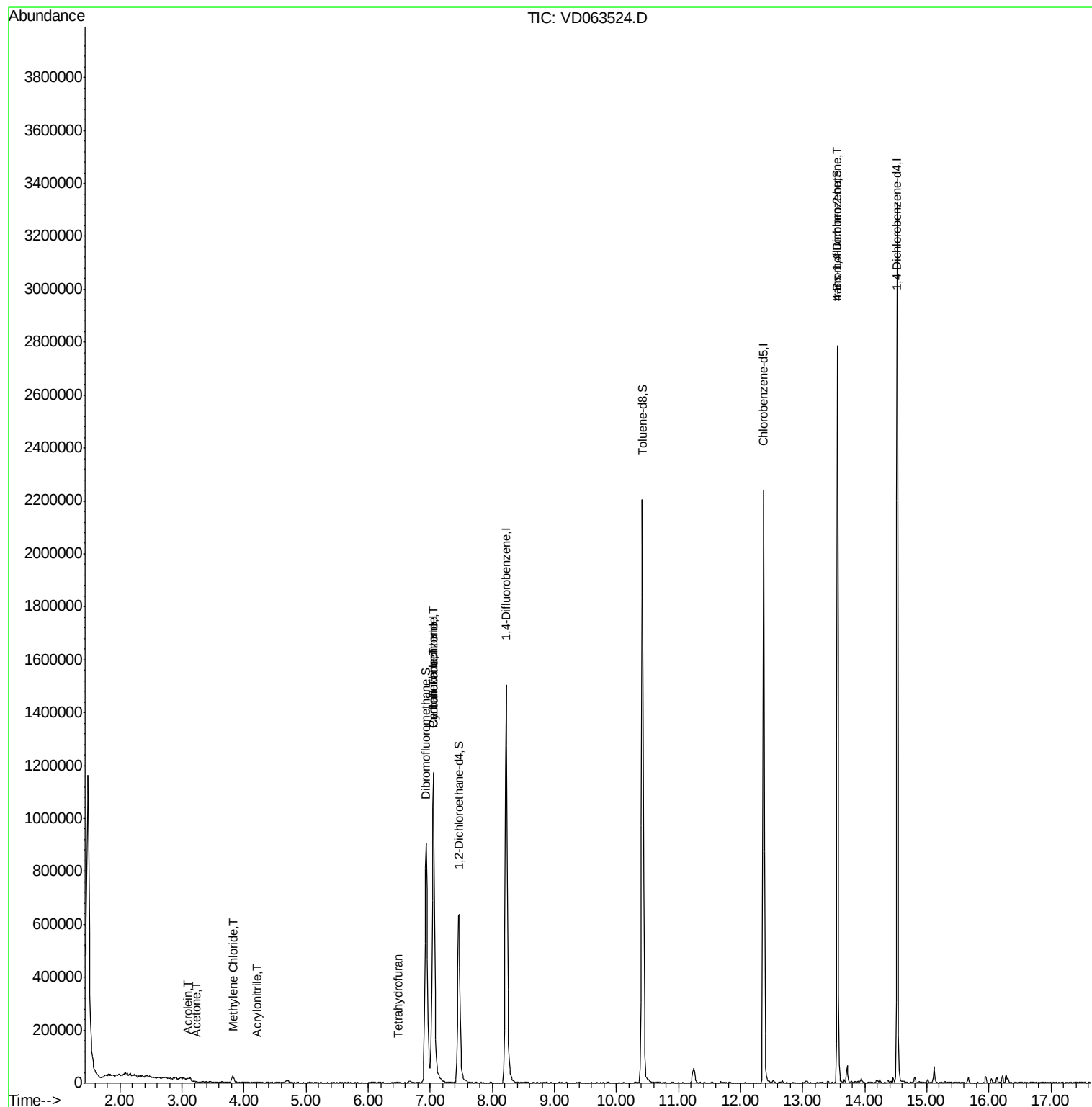
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.10	56	579	1.061	ug/l	98
15) Acrylonitrile	4.20	53	1570	1.069	ug/l #	11
16) Acetone	3.23	43	5394	2.084	ug/l #	93
20) Methylene Chloride	3.82	84	15724	1.405	ug/l #	87
29) Tetrahydrofuran	6.47	42	1421	1.193	ug/l #	45
31) Cyclohexane	7.04	56	27067	2.355	ug/l #	23
38) Carbon Tetrachloride	7.05	117	114263	5.209	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.56	75	340285	154.742	ug/l #	1

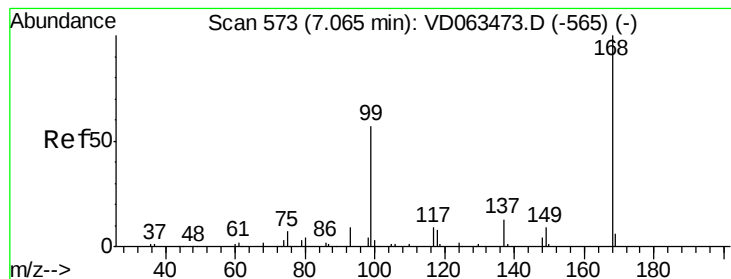
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063524.D
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MSVOA_D
ClientSampleId :

Quant Time: Aug 14 08:27:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :

MSVOA_D

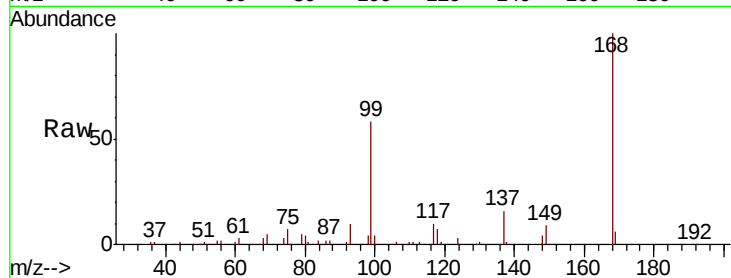
ClientSampleId :

Tot Ion:168 Resp: 1191027

Ion Ratio Lower Upper

168 100

99 57.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

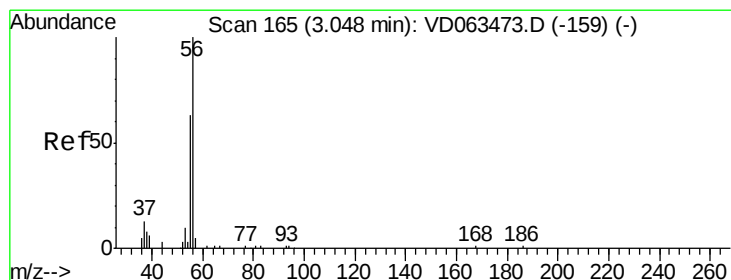
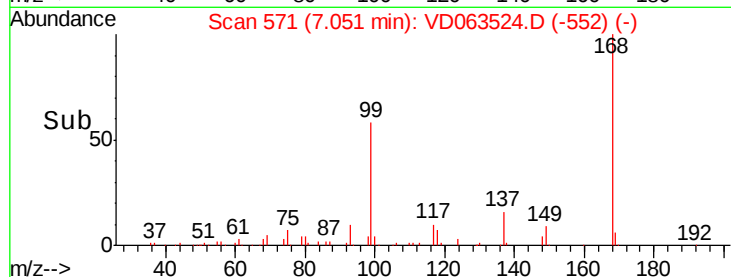
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 1.061 ug/l

RT: 3.10 min Scan# 170

Delta R.T. 0.06 min

Lab File: VD063524.D

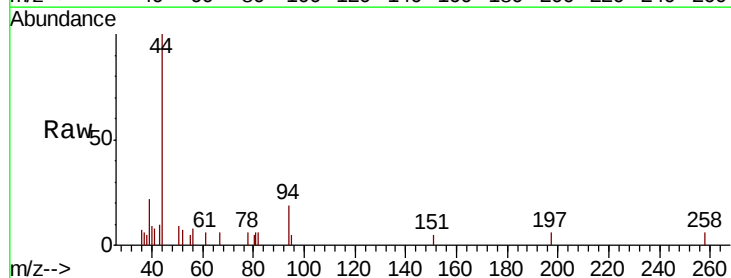
Acq: 13 Aug 2019 13:45

Tgt Ion: 56 Resp: 579

Ion Ratio Lower Upper

56 100

55 62.3 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.10

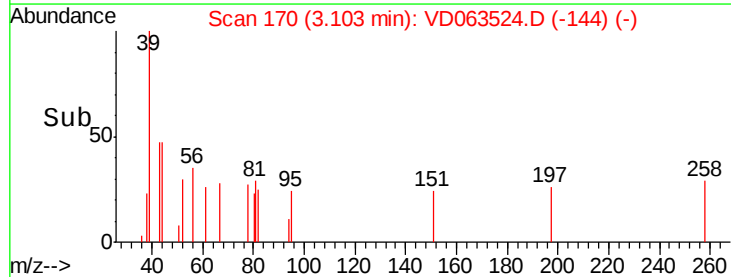
600

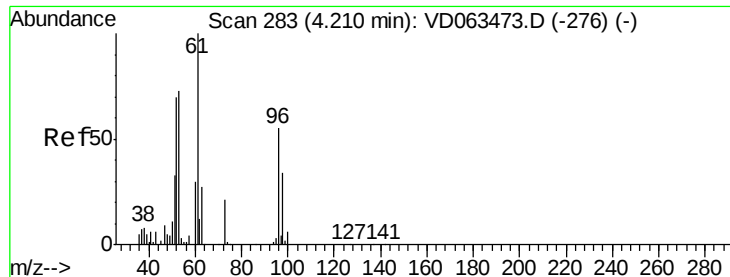
400

200

0

Time-->





#15

Acrylonitrile

Concen: 1.069 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :

MSVOA_D

ClientSampled :

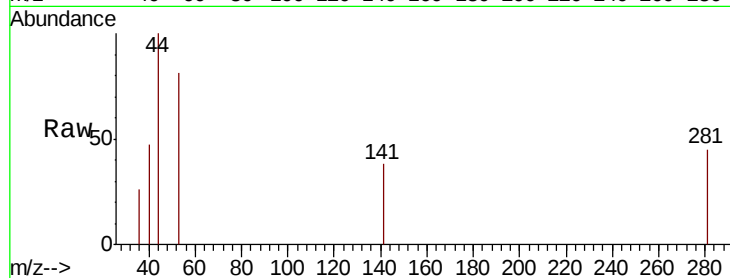
Tot Ion: 53 Resp: 1570

Ion Ratio Lower Upper

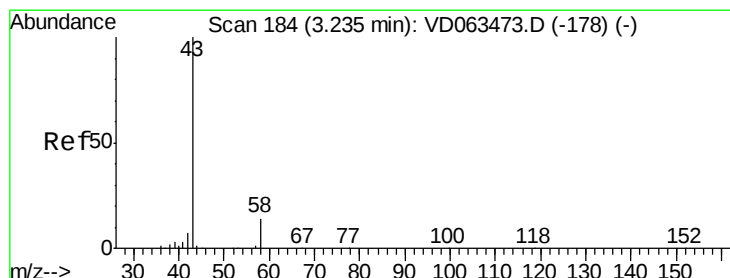
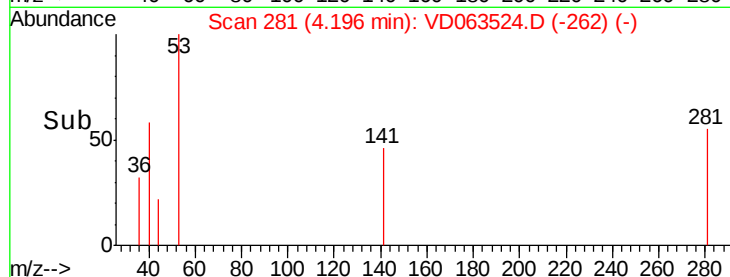
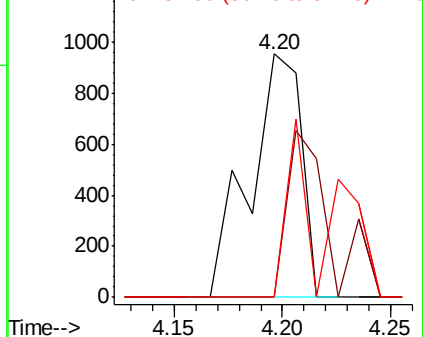
53 100

52 0.0 77.4 116.0#

51 0.0 36.7 55.1#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 2.084 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063524.D

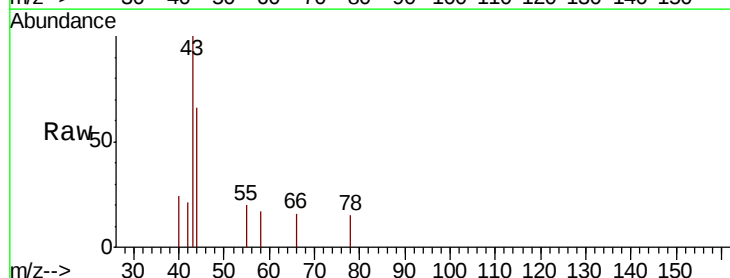
Acq: 13 Aug 2019 13:45

Tgt Ion: 43 Resp: 5394

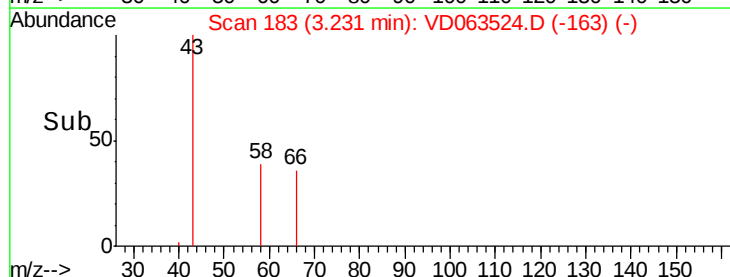
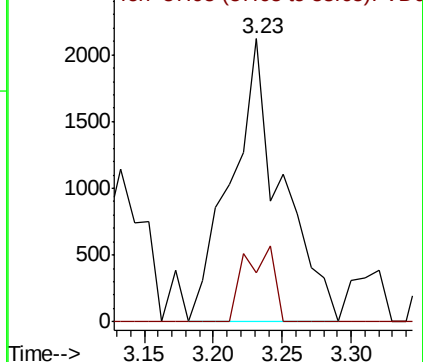
Ion Ratio Lower Upper

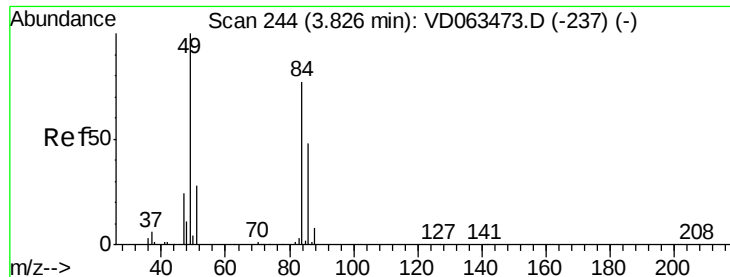
43 100

58 17.3 11.4 17.2#



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





#20

Methylene Chloride

Concen: 1.405 ug/l

RT: 3.82 min Scan# 243

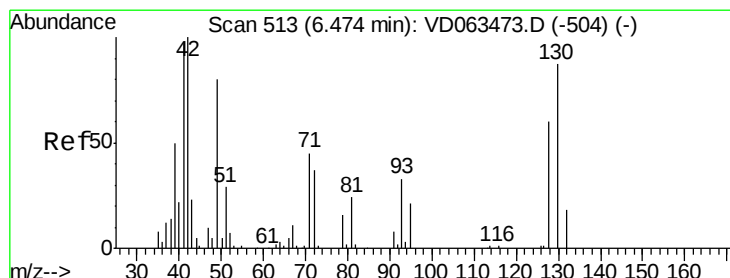
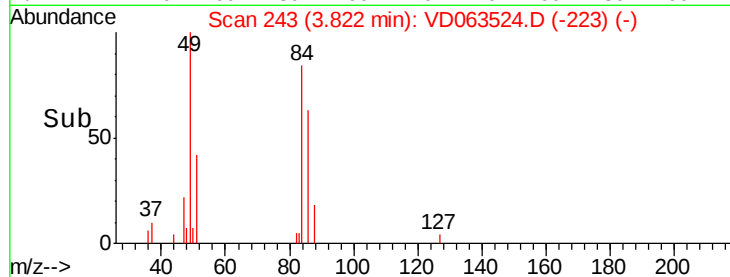
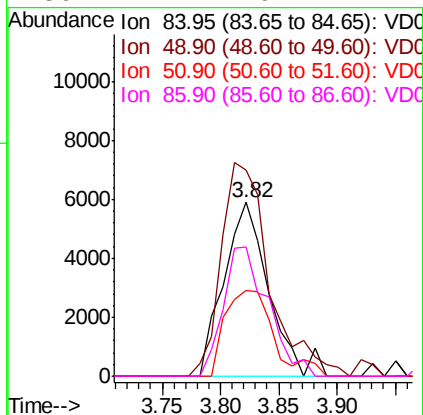
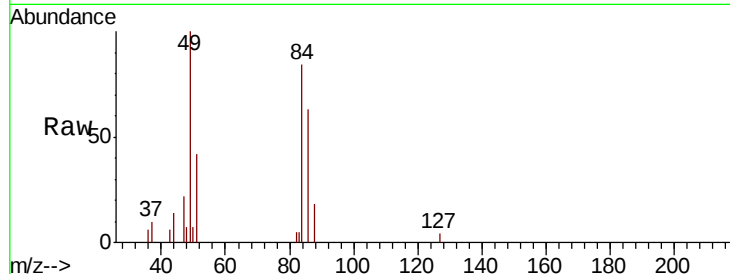
Delta R.T. -0.00 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	15724
Ion	Ratio	Lower	Upper
84	100		
49	118.6	103.4	155.2
51	49.6	28.5	42.7#
86	74.2	49.4	74.2#



#29

Tetrahydrofuran

Concen: 1.193 ug/l

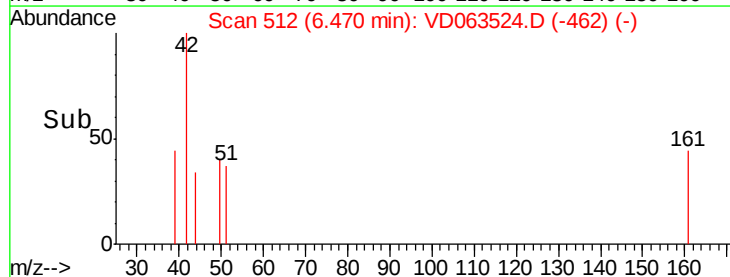
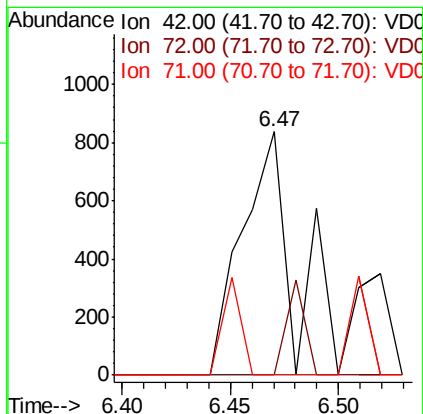
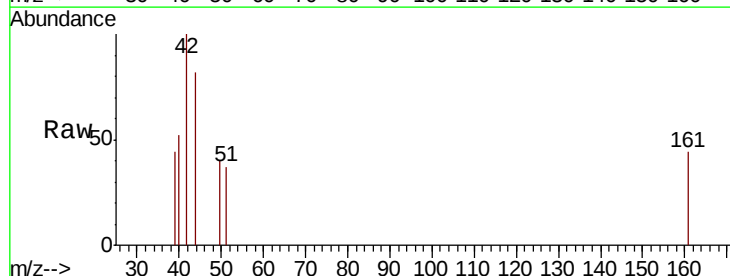
RT: 6.47 min Scan# 512

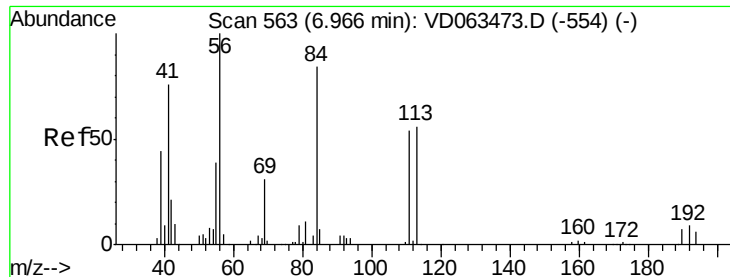
Delta R.T. -0.00 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Tgt Ion:	42	Resp:	1421
Ion	Ratio	Lower	Upper
42	100		
72	13.7	31.5	47.3#
71	0.0	33.8	50.8#

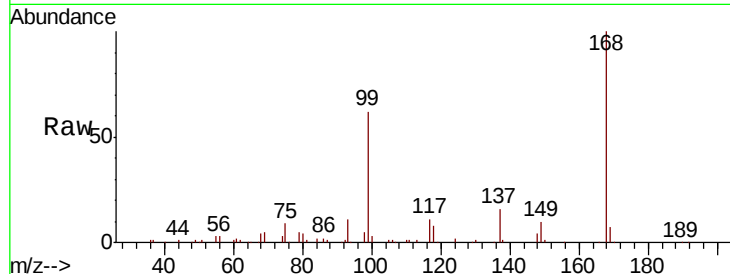




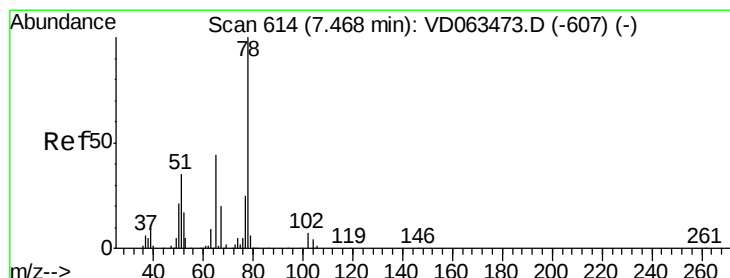
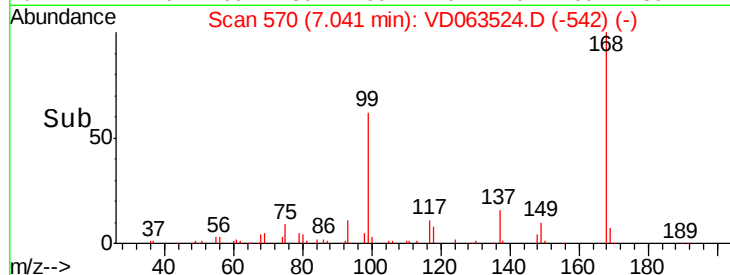
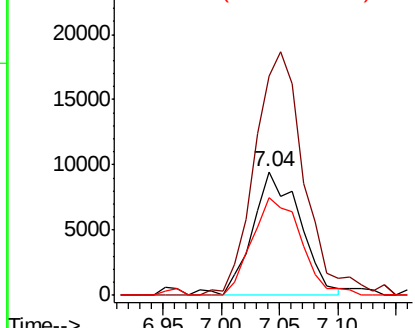
#31
Cyclohexane
Concen: 2.355 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063524.D
Acq: 13 Aug 2019 13:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 27067
Ion Ratio Lower Upper
56 100
69 177.5 25.0 37.6#
84 78.5 69.7 104.5

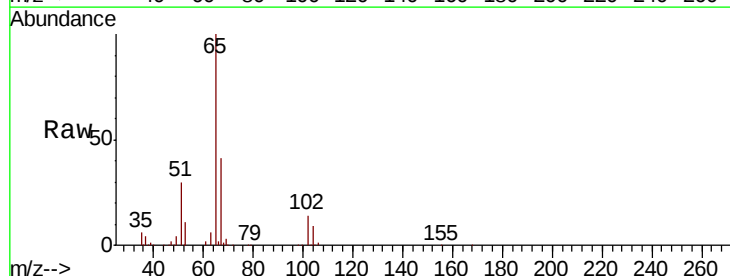


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

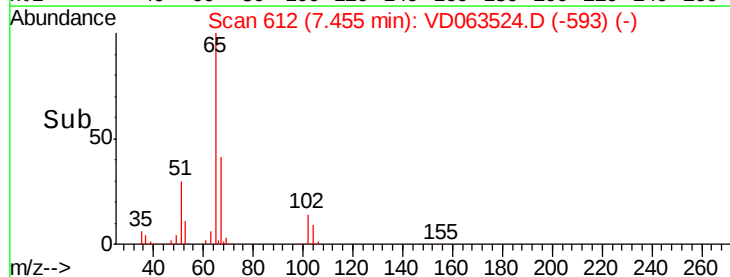
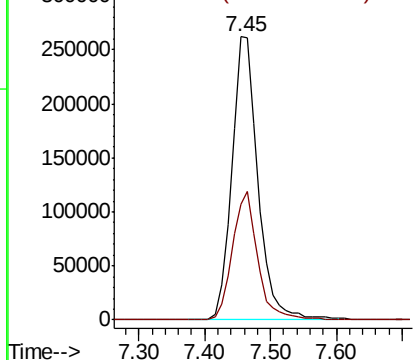


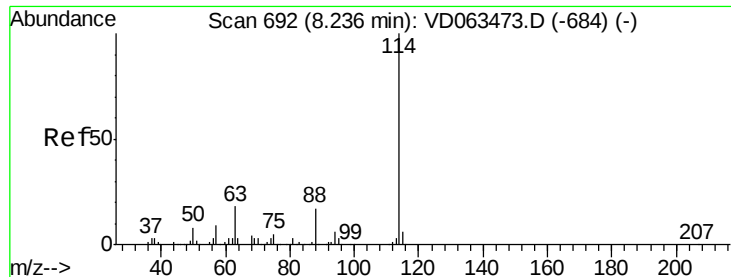
#33
1,2-Dichloroethane-d4
Concen: 57.248 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063524.D
Acq: 13 Aug 2019 13:45

Tgt Ion: 65 Resp: 728836
Ion Ratio Lower Upper
65 100
67 40.8 0.0 89.2



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: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

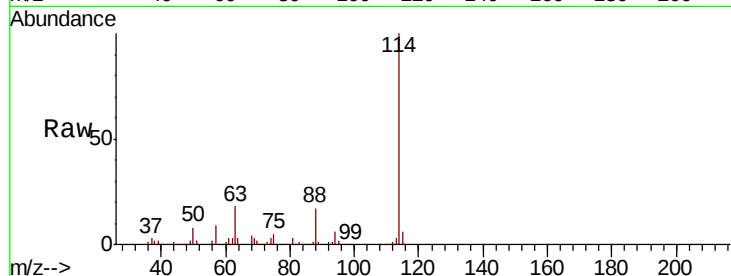
Tot Ion:114 Resp: 1646416

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.2

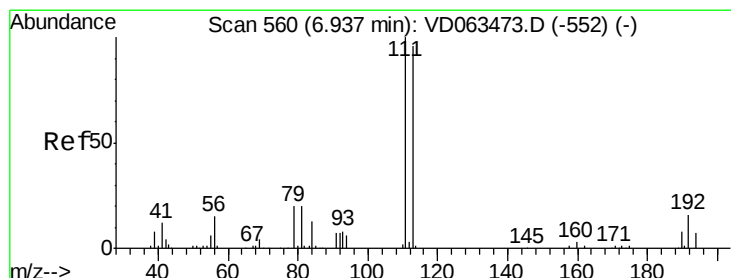
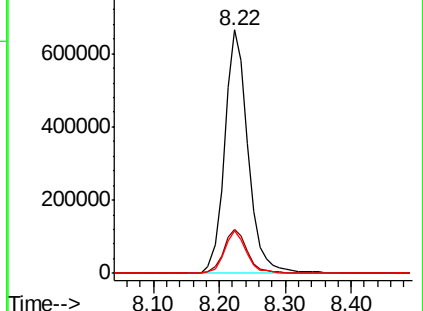
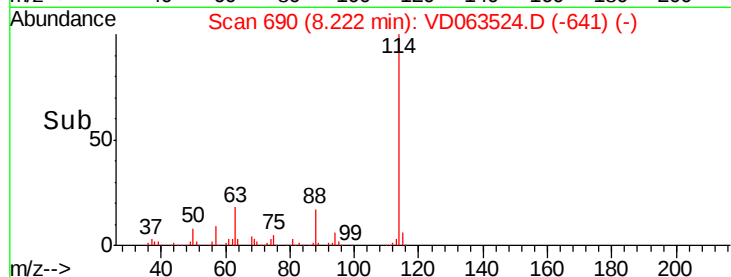
88 17.3 0.0 35.0



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: 58.524 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

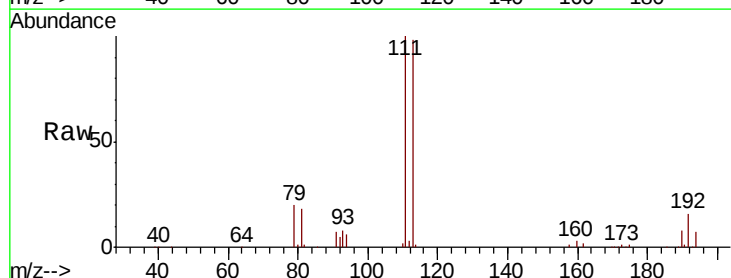
Tgt Ion:113 Resp: 811510

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

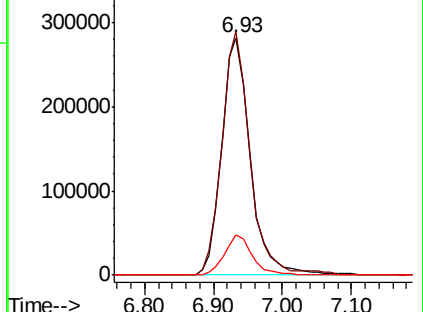
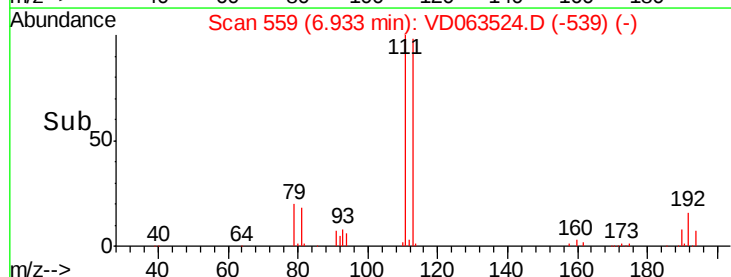
192 16.7 13.1 19.7

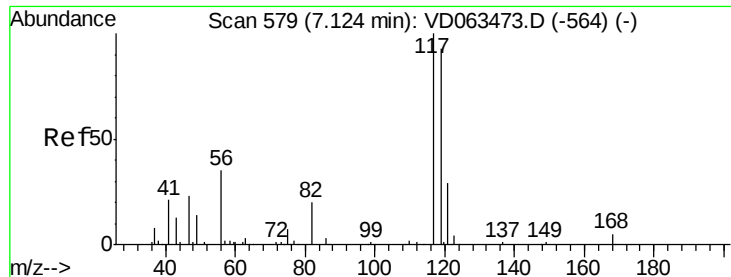


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#38

Carbon Tetrachloride

Concen: 5.209 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

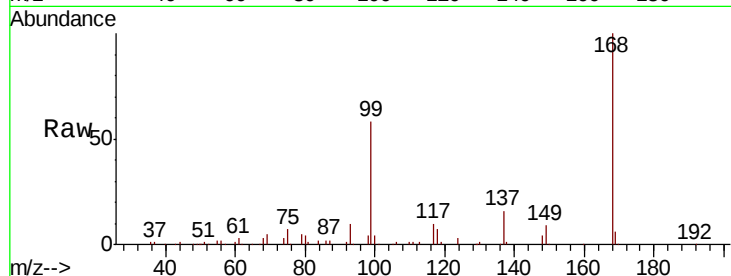
Tot Ion:117 Resp: 114263

Ion Ratio Lower Upper

117 100

119 5.7 74.2 111.2#

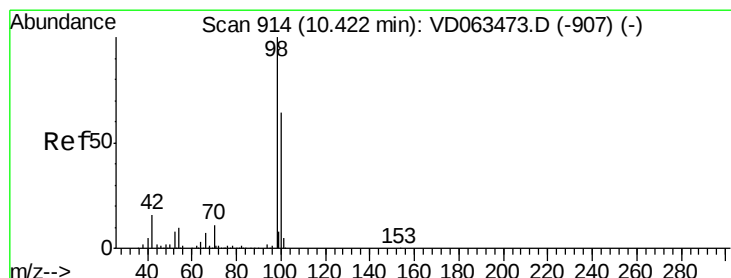
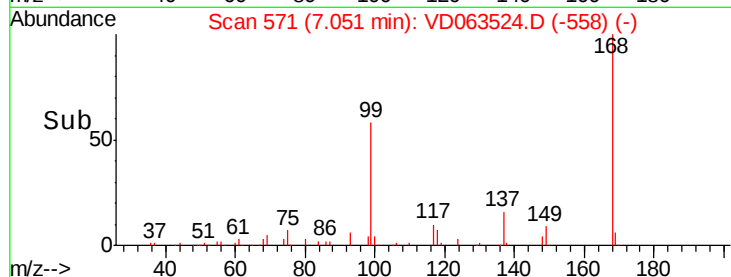
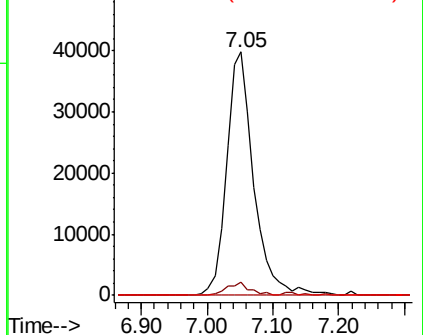
121 0.0 23.1 34.7#



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: 58.137 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063524.D

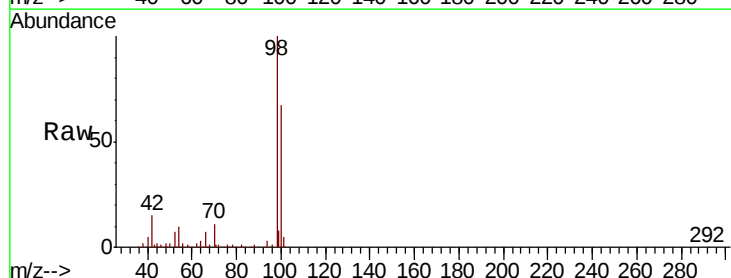
Acq: 13 Aug 2019 13:45

Tgt Ion: 98 Resp: 1772350

Ion Ratio Lower Upper

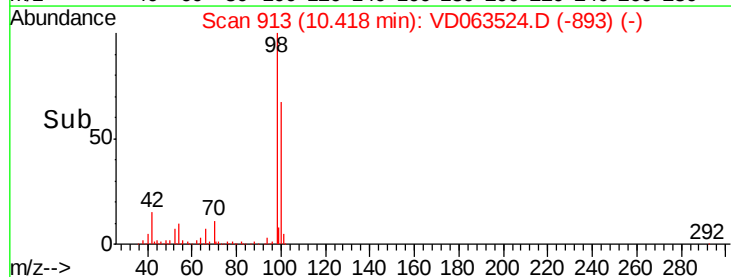
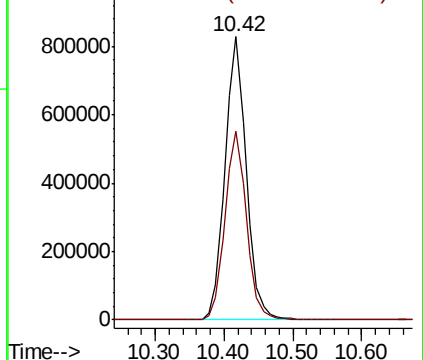
98 100

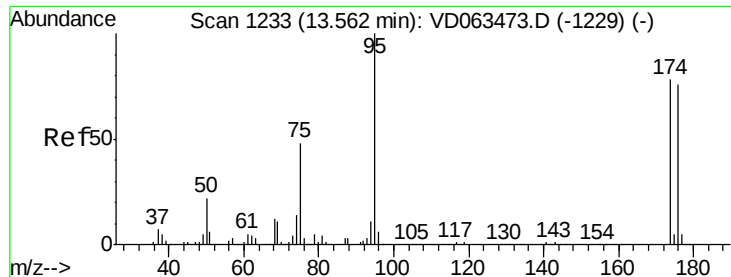
100 66.8 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 55.120 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

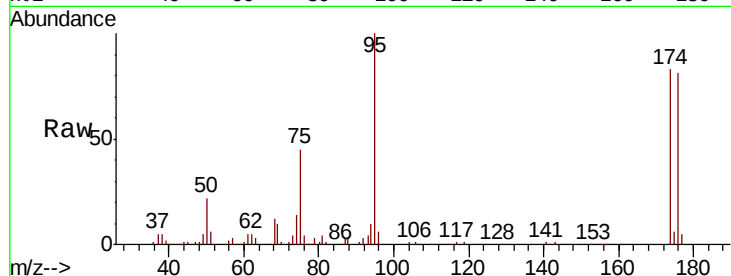
Tot Ion: 95 Resp: 761616

Ion Ratio Lower Upper

95 100

174 83.4 0.0 155.4

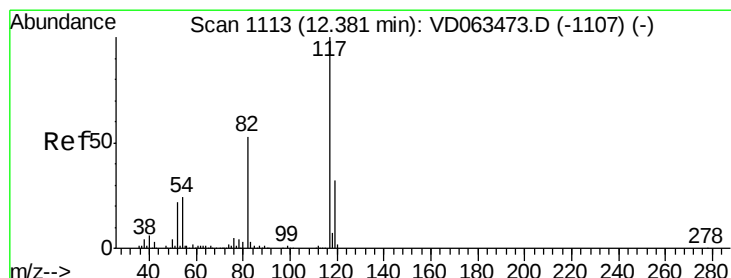
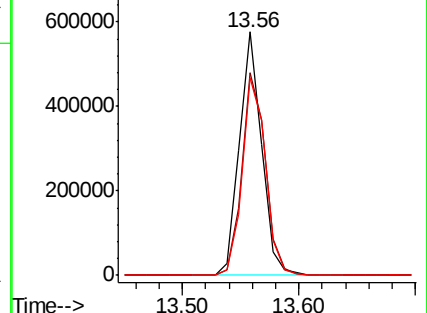
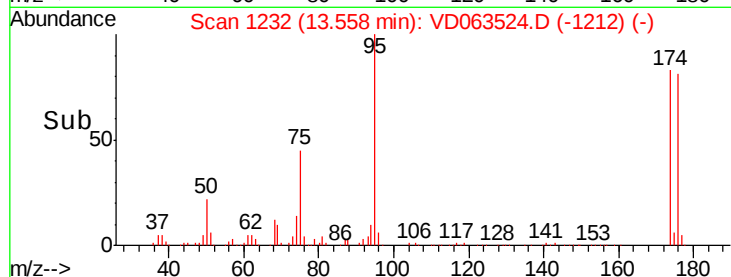
176 81.1 0.0 152.4



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: 12.38 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

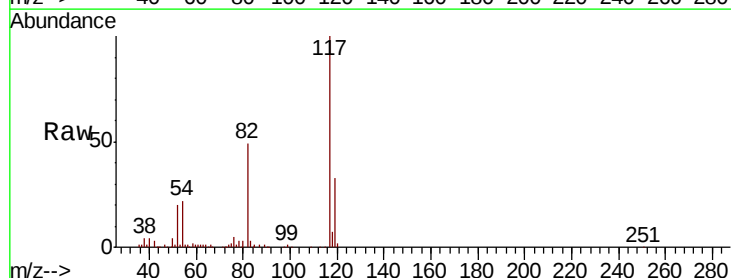
Tgt Ion: 117 Resp: 1351099

Ion Ratio Lower Upper

117 100

82 49.1 42.0 63.0

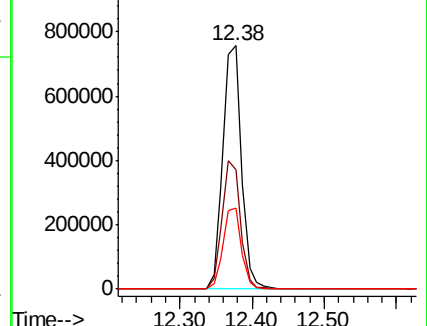
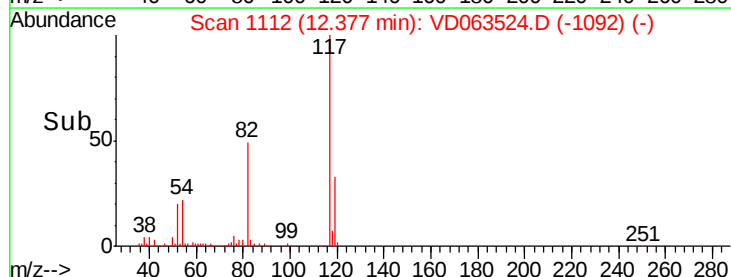
119 33.5 25.4 38.0

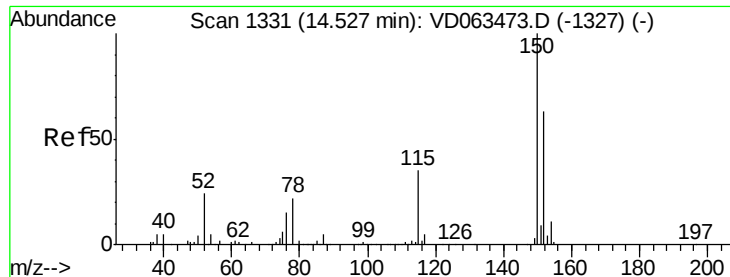


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

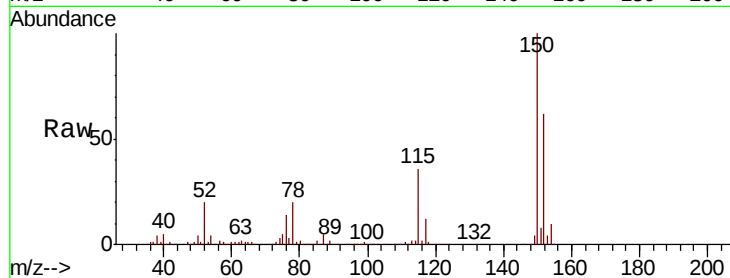
Tot Ion:152 Resp: 712906

Ion Ratio Lower Upper

152 100

115 58.0 30.9 92.7

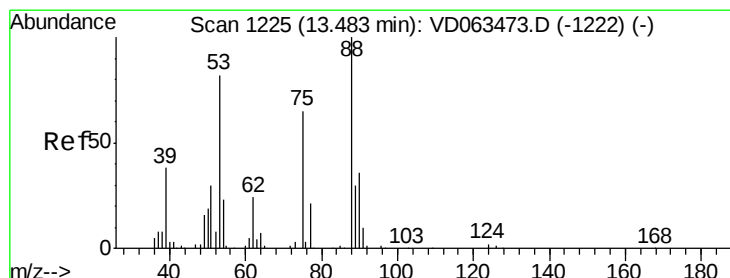
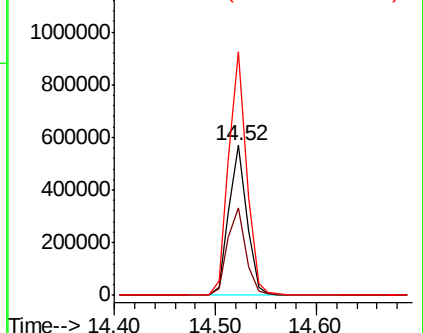
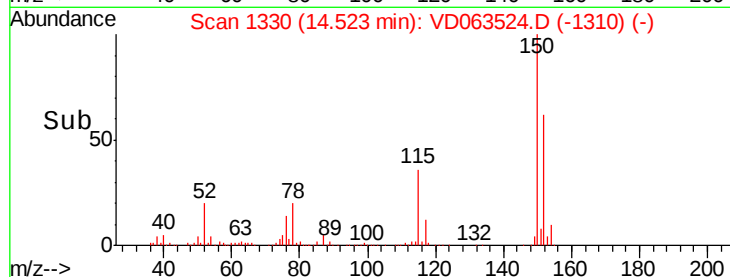
150 162.3 0.0 318.6



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: 154.742 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

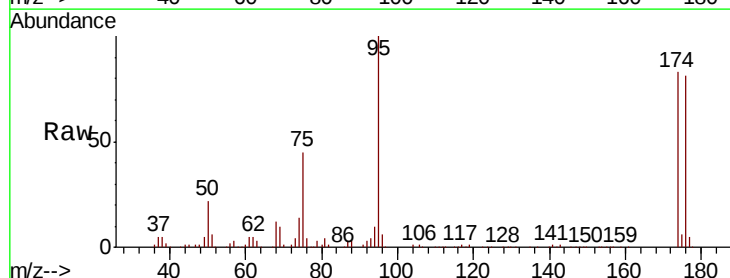
Tgt Ion: 75 Resp: 340285

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

