

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063467.D
 Acq On : 9 Aug 2019 6:09
 Operator : JC/SY
 Sample : K4237-07
 Misc : 5.49g/5ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07(13-14)

Quant Time: Aug 09 07:06:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1269695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1797030	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1487993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	750307	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	492130	34.93	ug/l	0.02
Spiked Amount			Recovery	=	69.86%	
35) Dibromofluoromethane	6.93	113	580276	37.82	ug/l	0.02
Spiked Amount			Recovery	=	75.64%	
50) Toluene-d8	10.41	98	1265412	36.85	ug/l	0.00
Spiked Amount			Recovery	=	73.70%	
62) 4-Bromofluorobenzene	13.56	95	504163	32.22	ug/l	0.00
Spiked Amount			Recovery	=	64.44%	

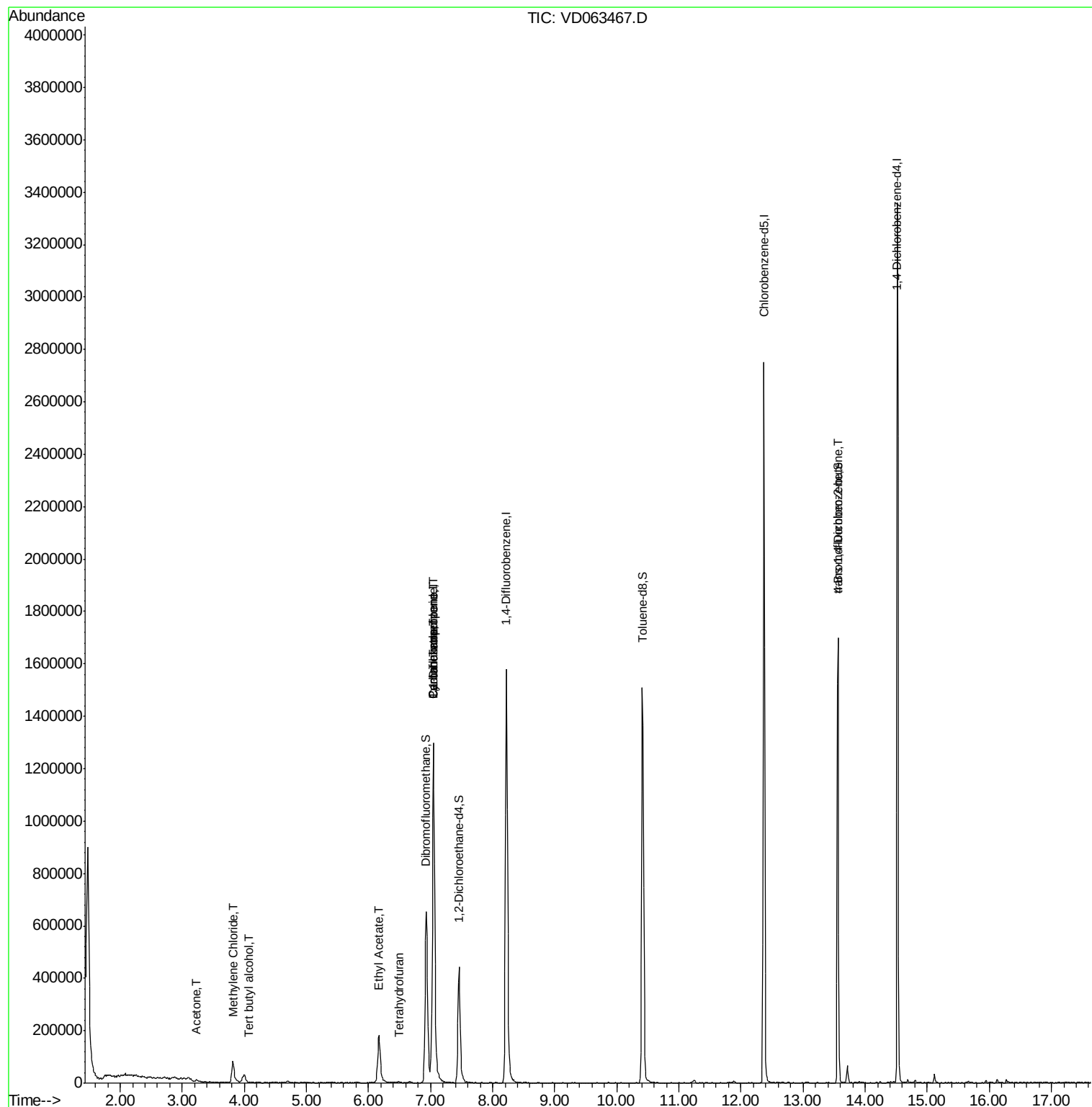
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	2374	3.840	ug/l #	69
16) Acetone	3.23	43	20480	7.461	ug/l #	84
20) Methylene Chloride	3.82	84	51773	4.666	ug/l	92
29) Tetrahydrofuran	6.48	42	1486	1.139	ug/l #	78
31) Cyclohexane	7.06	56	29134	2.322	ug/l #	17
36) 1,1-Dichloropropene	7.05	75	94326	5.752	ug/l #	51
37) Ethyl Acetate	6.16	43	14563	1.977	ug/l #	19
38) Carbon Tetrachloride	7.05	117	121972	4.940	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	227920	91.077	ug/l #	3

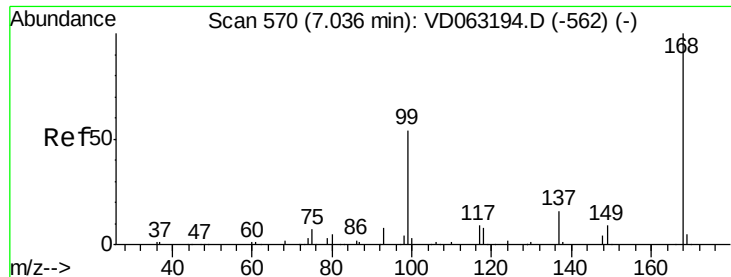
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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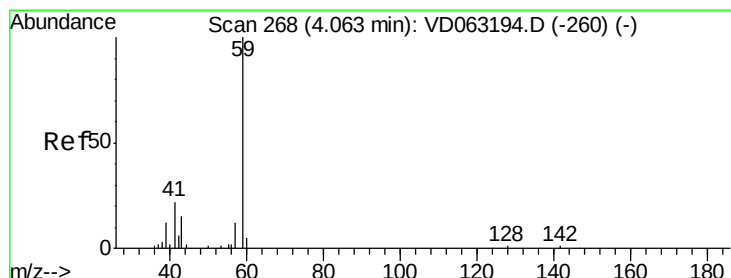
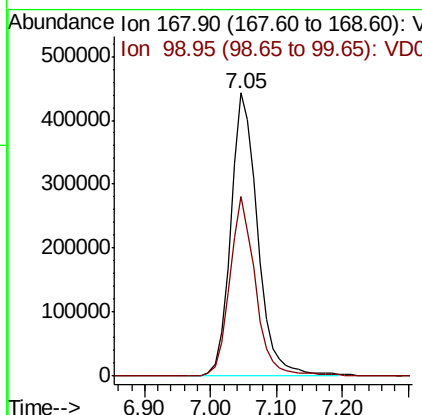
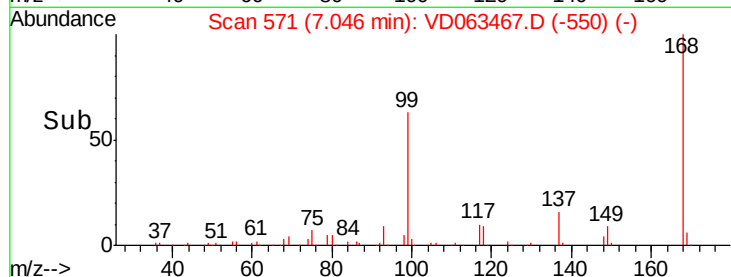
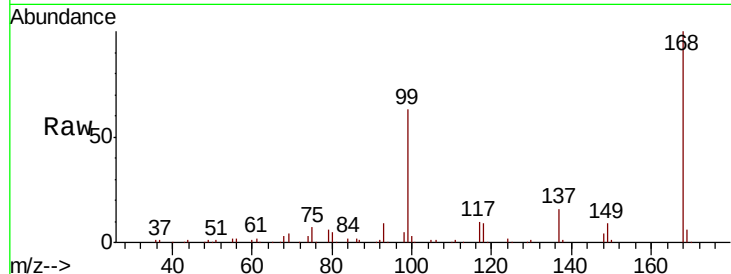




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.01 min
Lab File: VD063467.D
Acq: 9 Aug 2019 6:09

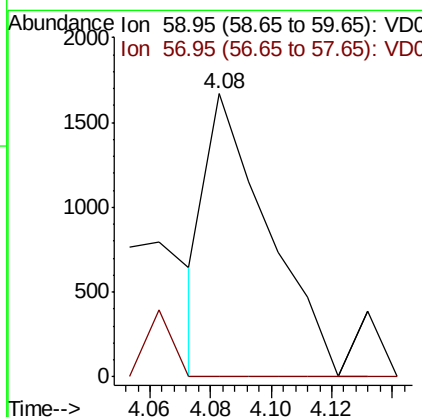
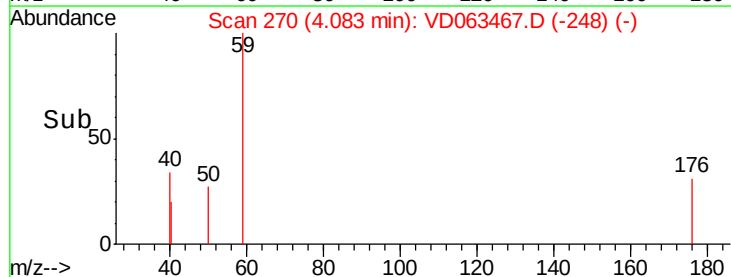
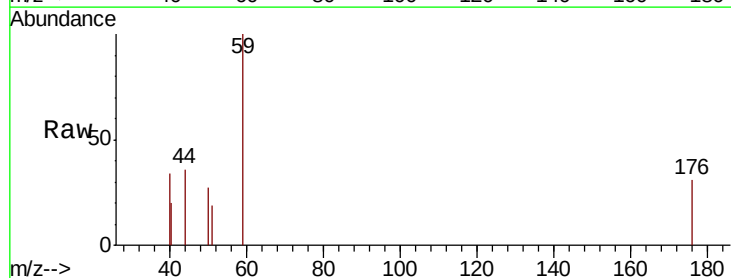
Instrument :
MSVOA_D
ClientSampleId :
SB-07(13-14)

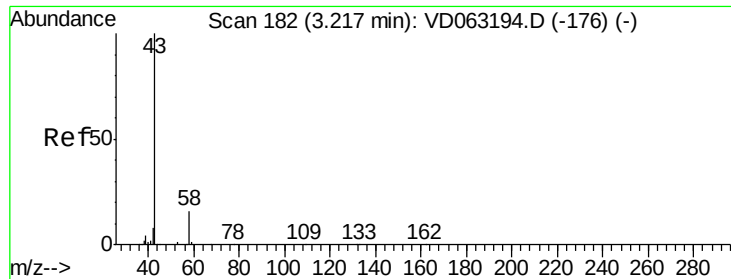
Tgt Ion:168 Resp: 1269695
Ion Ratio Lower Upper
168 100
99 63.4 43.7 65.5



#11
Tert butyl alcohol
Concen: 3.840 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063467.D
Acq: 9 Aug 2019 6:09

Tgt Ion: 59 Resp: 2374
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#





#16

Acetone

Concen: 7.461 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063467.D

Acq: 9 Aug 2019 6:09

Instrument :

MSVOA_D

ClientSampleId :

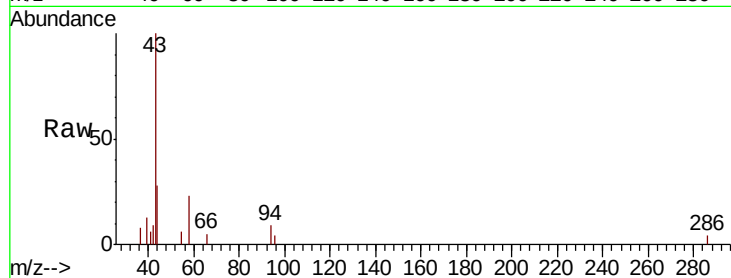
SB-07(13-14)

Tgt Ion: 43 Resp: 20480

Ion Ratio Lower Upper

43 100

58 23.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

8000

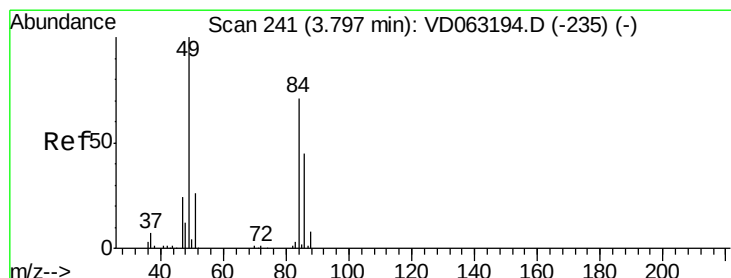
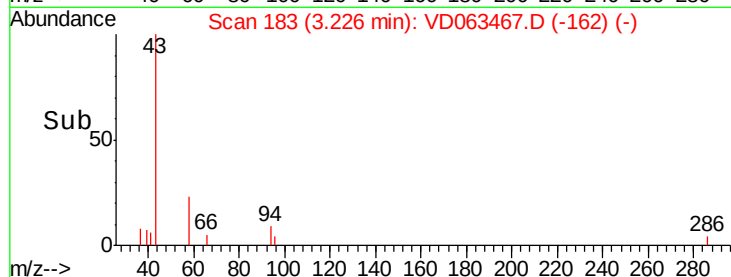
6000

4000

2000

0

Time-->



#20

Methylene Chloride

Concen: 4.666 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063467.D

Acq: 9 Aug 2019 6:09

Tgt Ion: 84 Resp: 51773

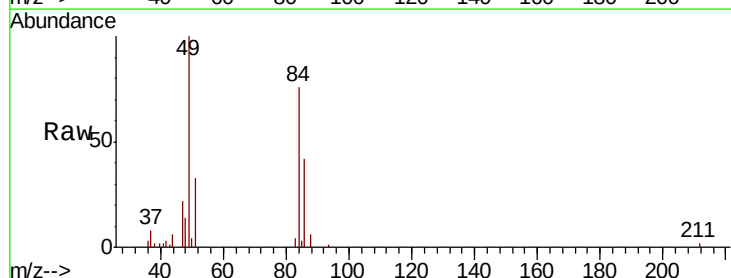
Ion Ratio Lower Upper

84 100

49 131.8 112.5 168.7

51 43.6 29.6 44.4

86 55.8 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

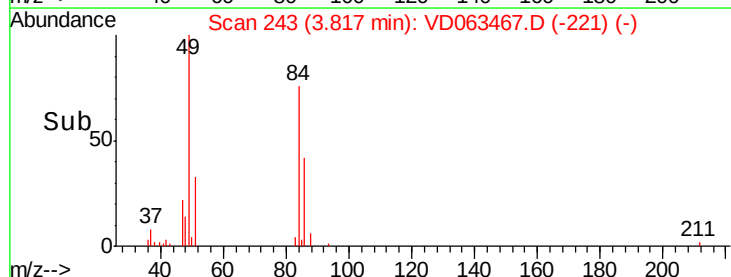
30000

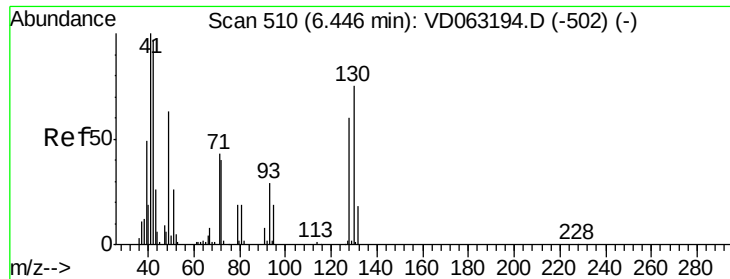
20000

10000

0

Time-->





#29

Tetrahydrofuran

Concen: 1.139 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD063467.D

Acq: 9 Aug 2019 6:09

Instrument :

MSVOA_D

ClientSampleId :

SB-07(13-14)

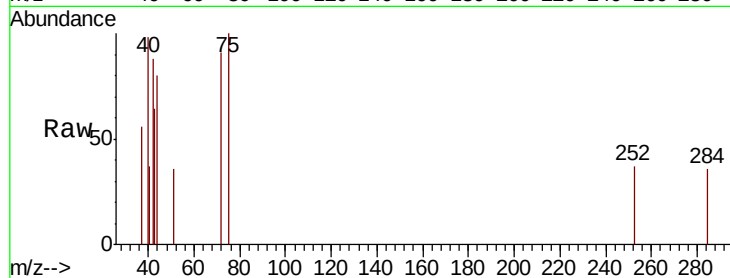
Tgt Ion: 42 Resp: 1486

Ion Ratio Lower Upper

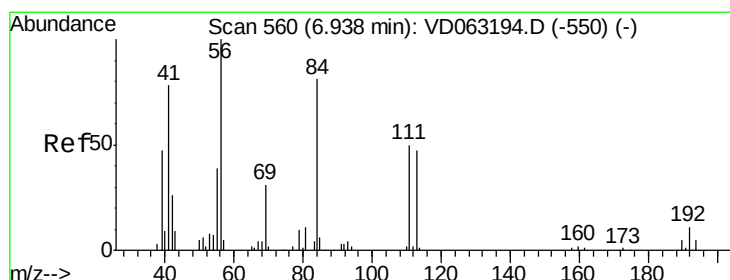
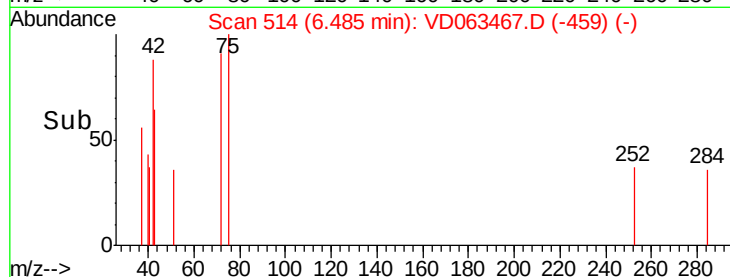
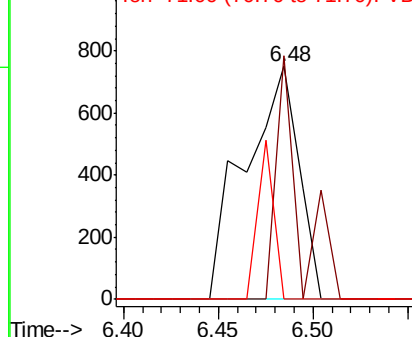
42 100

72 45.1 33.4 50.2

71 20.5 35.7 53.5#



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



#31

Cyclohexane

Concen: 2.322 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD063467.D

Acq: 9 Aug 2019 6:09

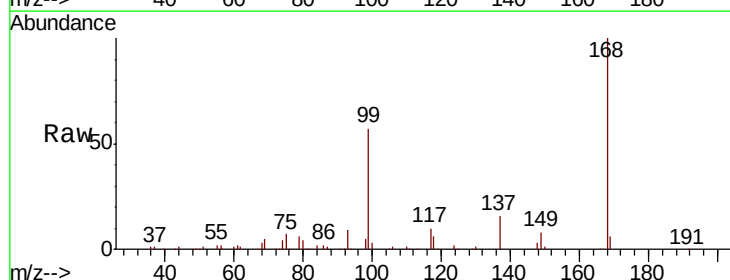
Tgt Ion: 56 Resp: 29134

Ion Ratio Lower Upper

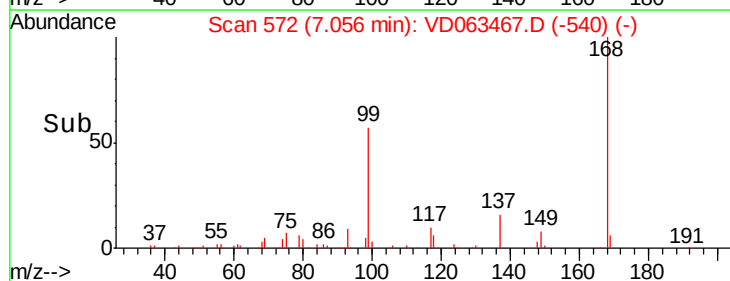
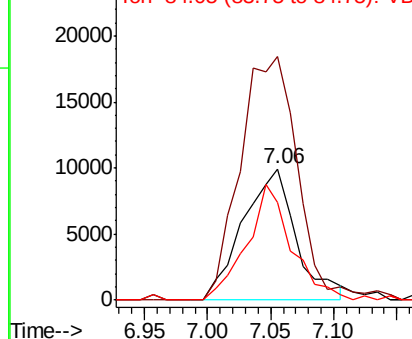
56 100

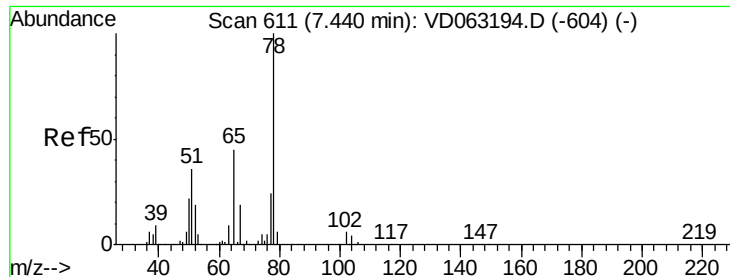
69 185.7 24.5 36.7#

84 74.3 64.9 97.3



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

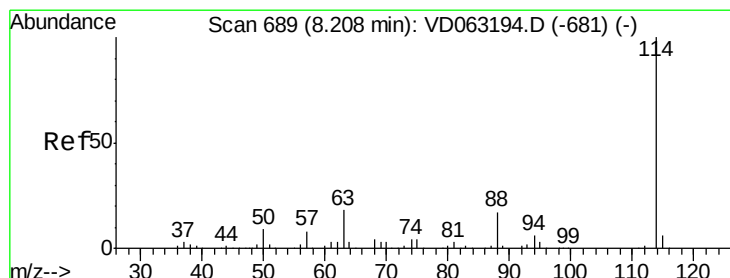
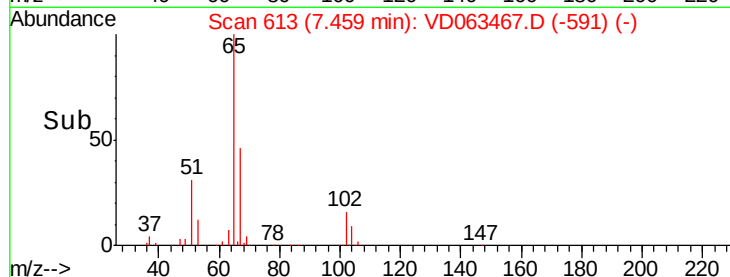
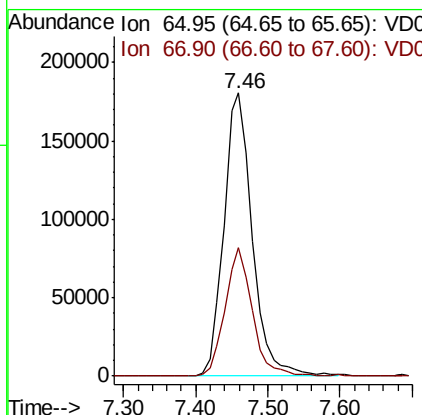
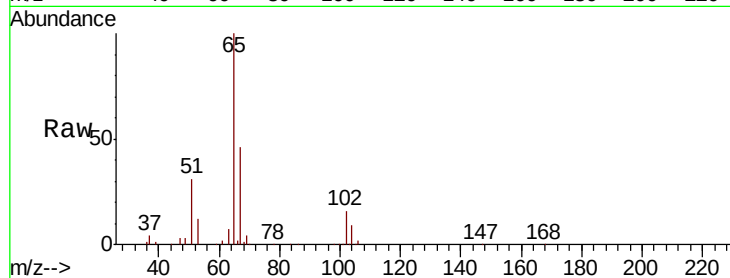




#33
 1,2-Dichloroethane-d4
 Concen: 34.931 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063467.D
 Acq: 9 Aug 2019 6:09

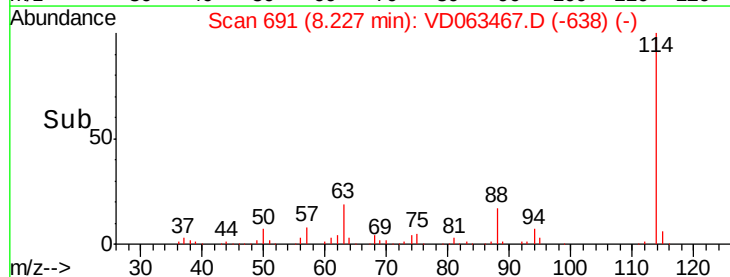
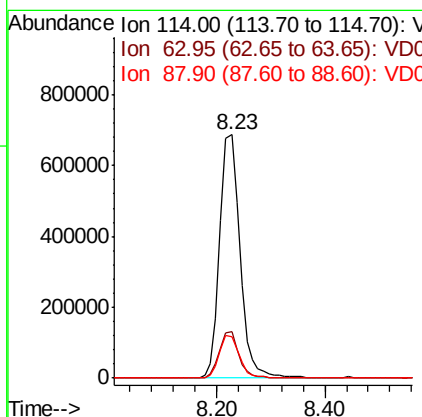
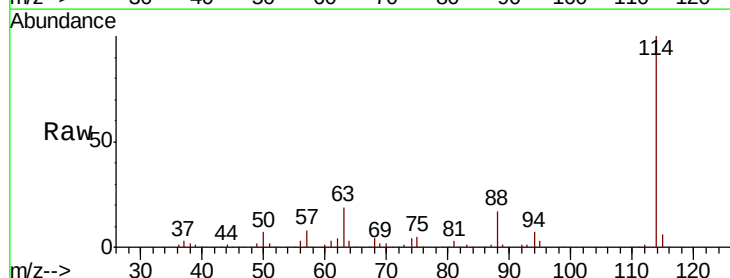
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07(13-14)

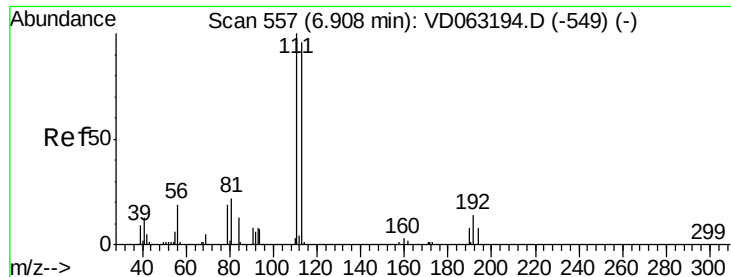
Tgt Ion: 65 Resp: 492130
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063467.D
 Acq: 9 Aug 2019 6:09

Tgt Ion: 114 Resp: 1797030
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.2
 88 17.2 0.0 34.6

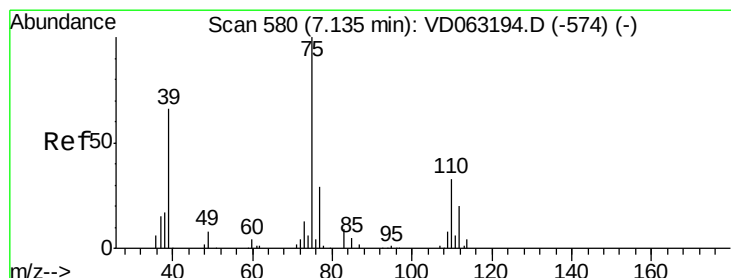
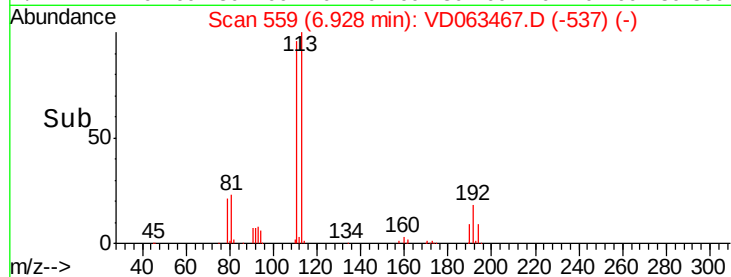
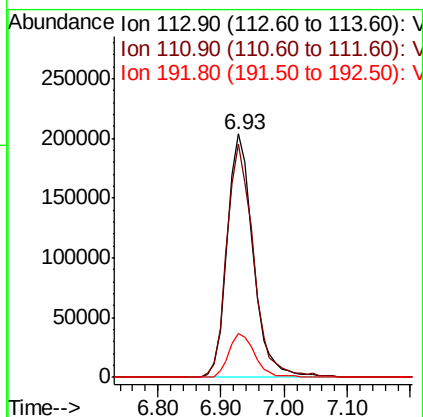
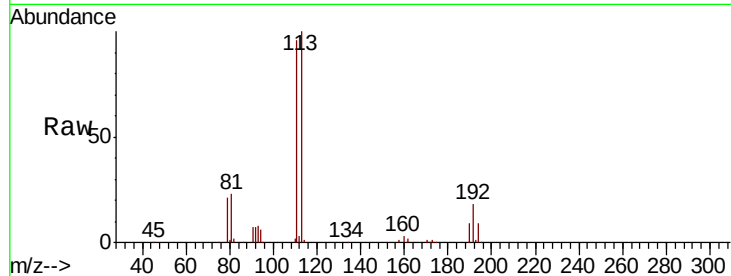




#35
 Dibromofluoromethane
 Concen: 37.821 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063467.D
 Acq: 9 Aug 2019 6:09

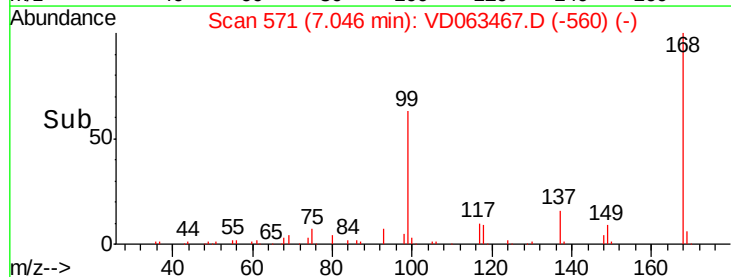
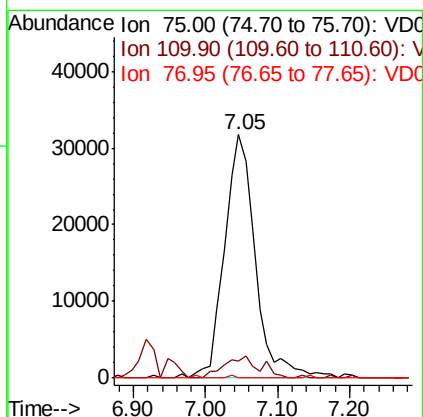
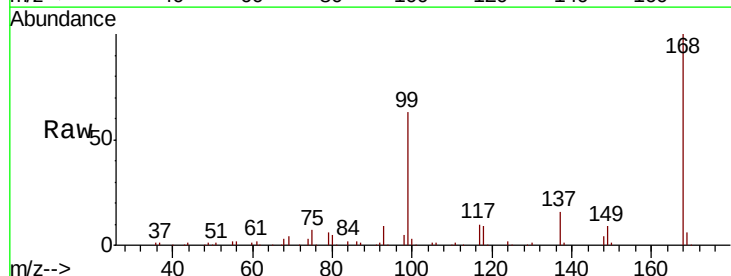
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07(13-14)

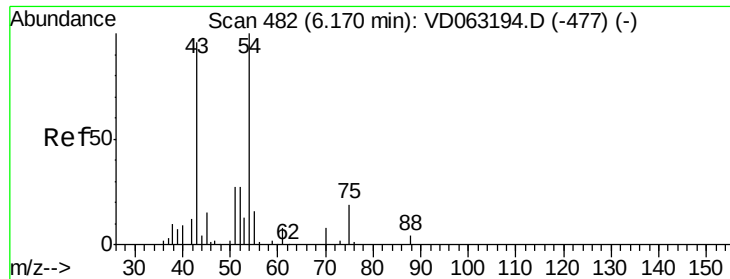
Tgt Ion	Ratio	Lower	Upper
113	100		
111	95.7	83.2	124.8
192	18.0	11.8	17.8#



#36
 1,1-Dichloropropene
 Concen: 5.752 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063467.D
 Acq: 9 Aug 2019 6:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.1	48.2#
77	0.0	22.7	34.1#





#37

Ethyl Acetate

Concen: 1.977 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063467.D

Acq: 9 Aug 2019 6:09

Instrument :

MSVOA_D

ClientSampleId :

SB-07(13-14)

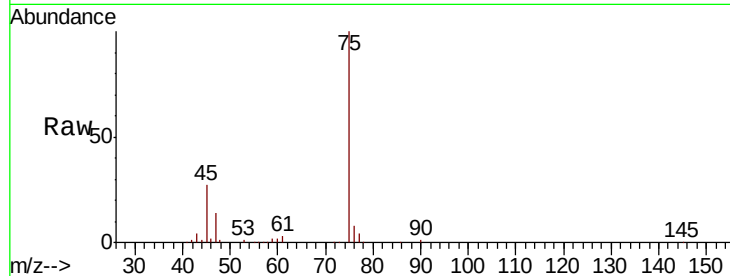
Tgt Ion: 43 Resp: 14563

Ion Ratio Lower Upper

43 100

61 58.6 11.3 16.9#

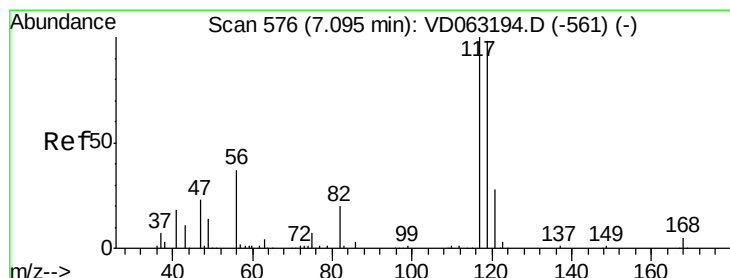
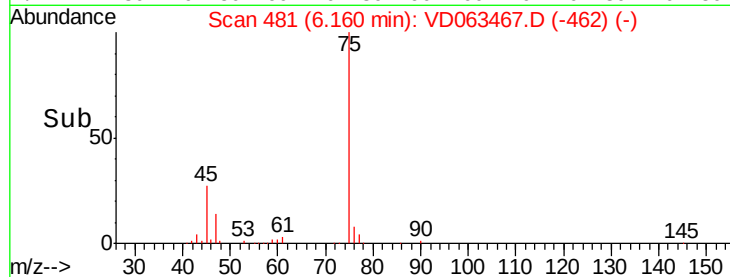
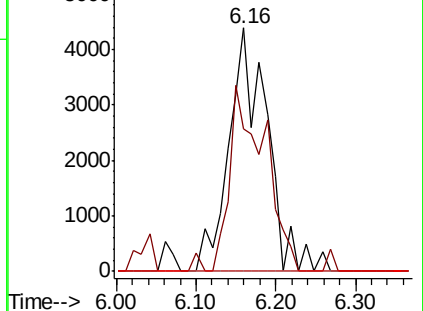
70 0.0 5.1 7.7#



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: 4.940 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063467.D

Acq: 9 Aug 2019 6:09

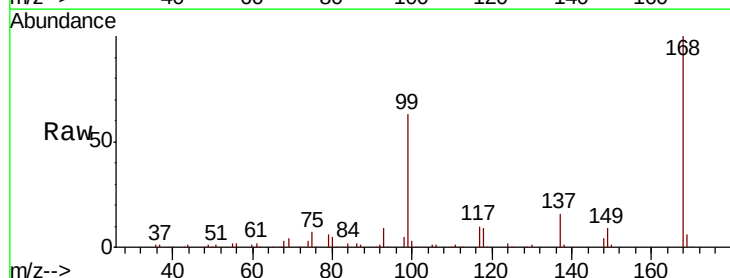
Tgt Ion: 117 Resp: 121972

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

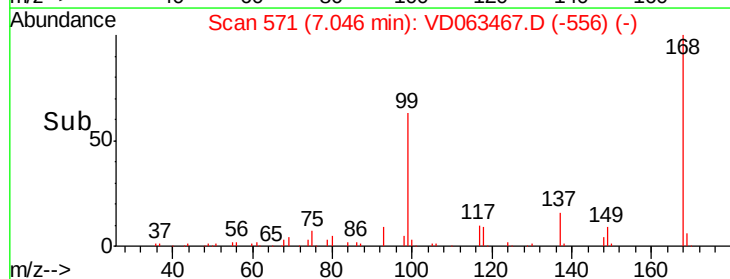
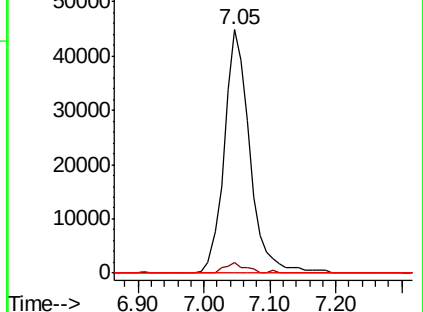
121 0.0 22.1 33.1#

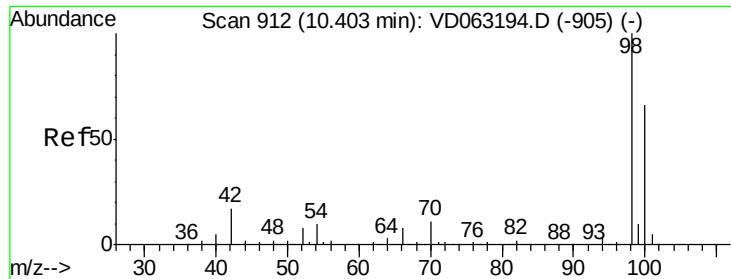


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 36.853 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063467.D

Acq: 9 Aug 2019 6:09

Instrument :

MSVOA_D

ClientSampleId :

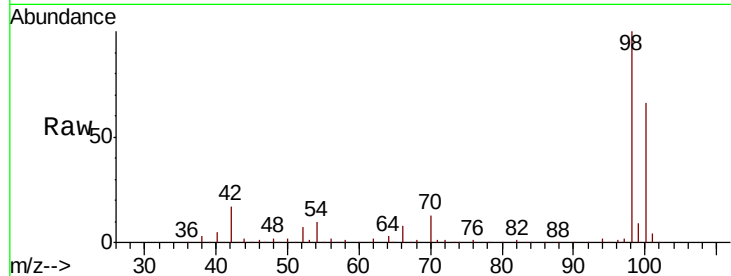
SB-07(13-14)

Tgt Ion: 98 Resp: 1265412

Ion Ratio Lower Upper

98 100

100 65.9 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.41

600000

500000

400000

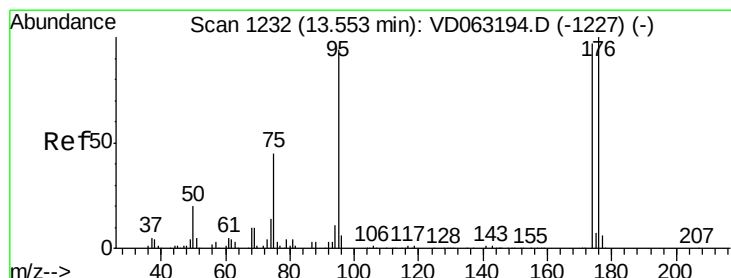
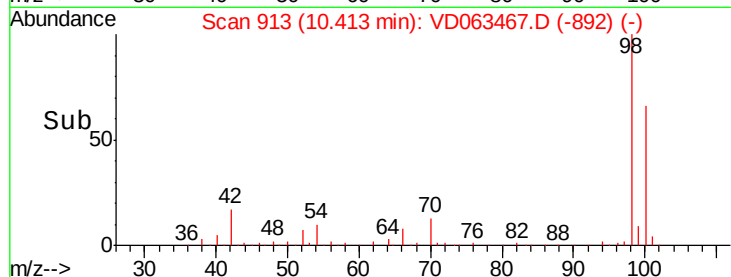
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 32.220 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063467.D

Acq: 9 Aug 2019 6:09

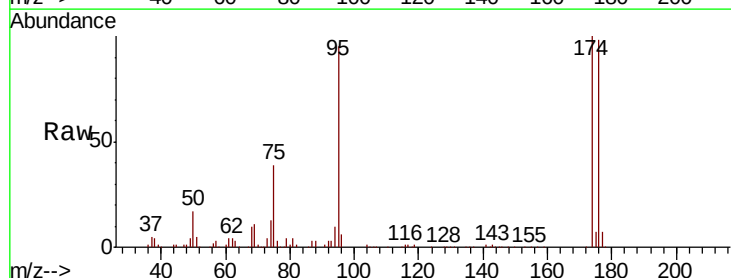
Tgt Ion: 95 Resp: 504163

Ion Ratio Lower Upper

95 100

174 104.8 0.0 205.4

176 102.4 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

400000

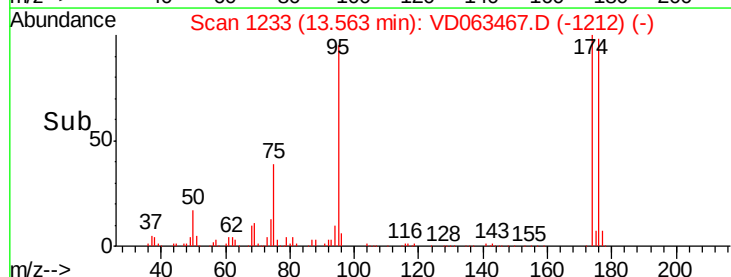
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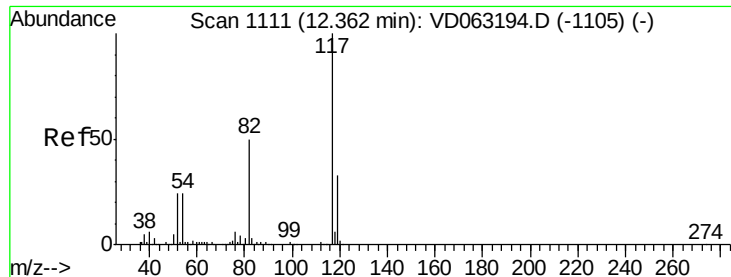
200000

100000

0

Time-->

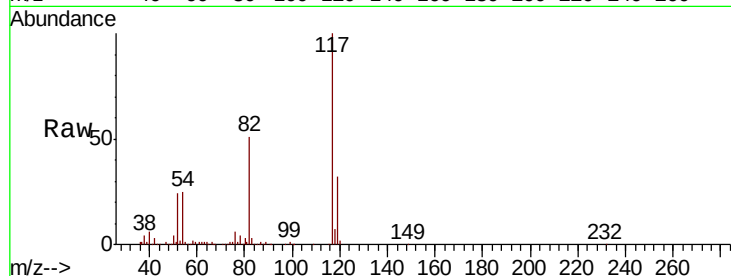




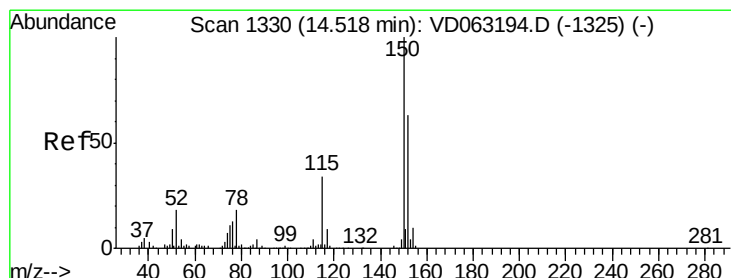
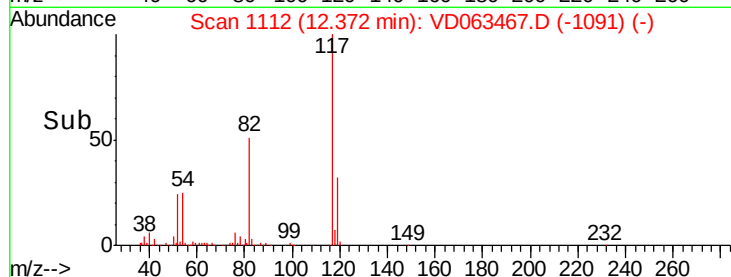
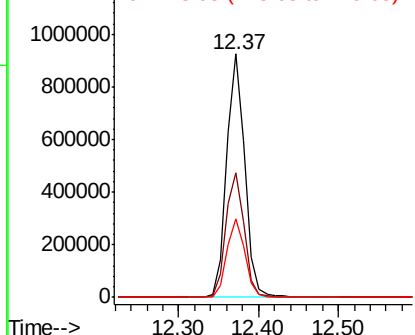
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063467.D
Acq: 9 Aug 2019 6:09

Instrument :
MSVOA_D
ClientSampleId :
SB-07(13-14)

Tgt Ion:117 Resp: 1487993
Ion Ratio Lower Upper
117 100
82 51.1 40.1 60.1
119 32.2 26.5 39.7

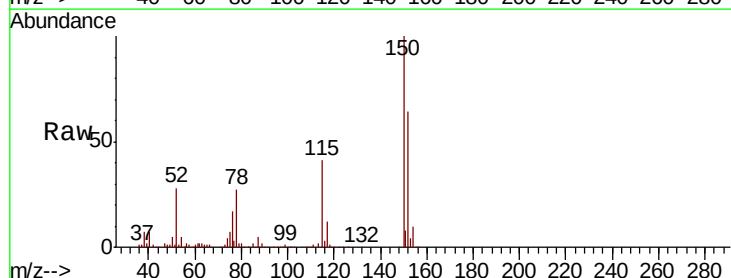


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

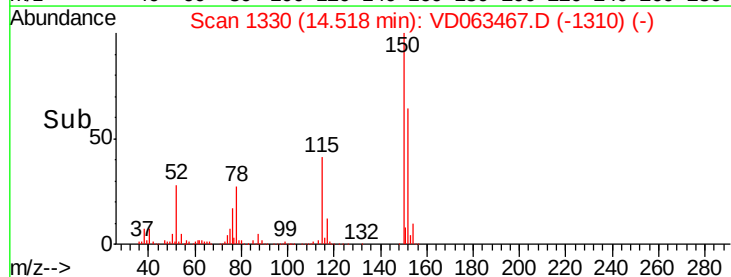
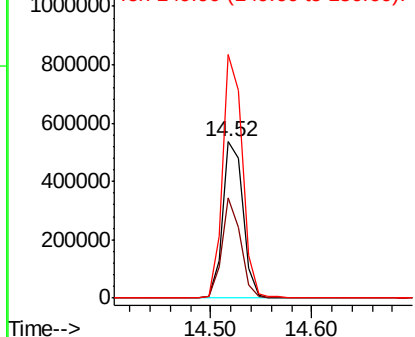


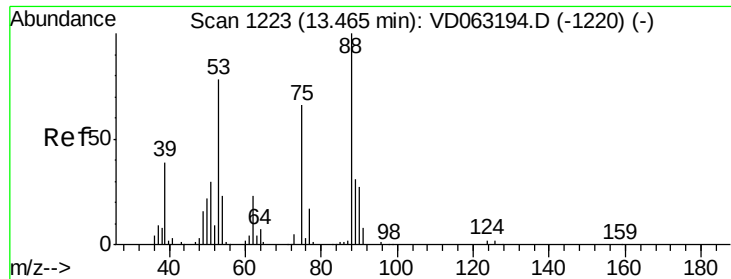
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063467.D
Acq: 9 Aug 2019 6:09

Tgt Ion:152 Resp: 750307
Ion Ratio Lower Upper
152 100
115 63.9 27.5 82.4
150 155.9 0.0 320.6



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: 91.077 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063467.D

Acq: 9 Aug 2019 6:09

Instrument :

MSVOA_D

ClientSampleId :

SB-07(13-14)

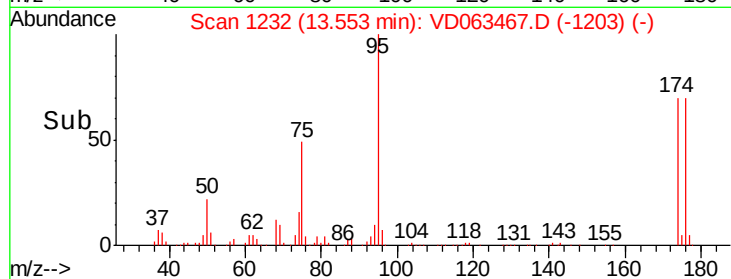
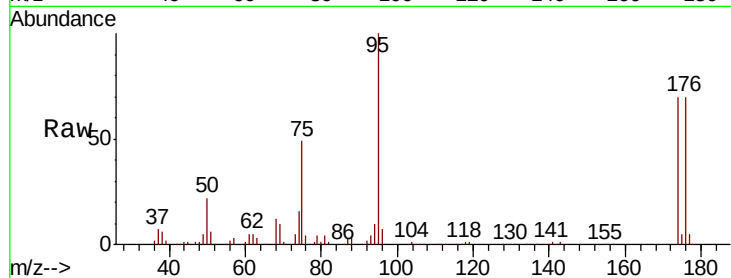
Tgt Ion: 75 Resp: 227920

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

