

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063164.D
 Acq On : 19 Jul 2019 20:03
 Operator : VA/AP
 Sample : K3811-01RE
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-2(PLAY-AREA)-0-6RE

Quant Time: Jul 20 05:02:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	547055	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	656687	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	351992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	71063	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	506615	74.34	ug/l	0.00
Spiked Amount			Recovery	=	148.68%	
35) Dibromofluoromethane	6.92	113	493683	75.48	ug/l	0.00
Spiked Amount			Recovery	=	150.96%	
50) Toluene-d8	10.42	98	767031	54.59	ug/l	0.02
Spiked Amount			Recovery	=	109.18%	
62) 4-Bromofluorobenzene	13.56	95	176079	27.09	ug/l	0.00
Spiked Amount			Recovery	=	54.18%	

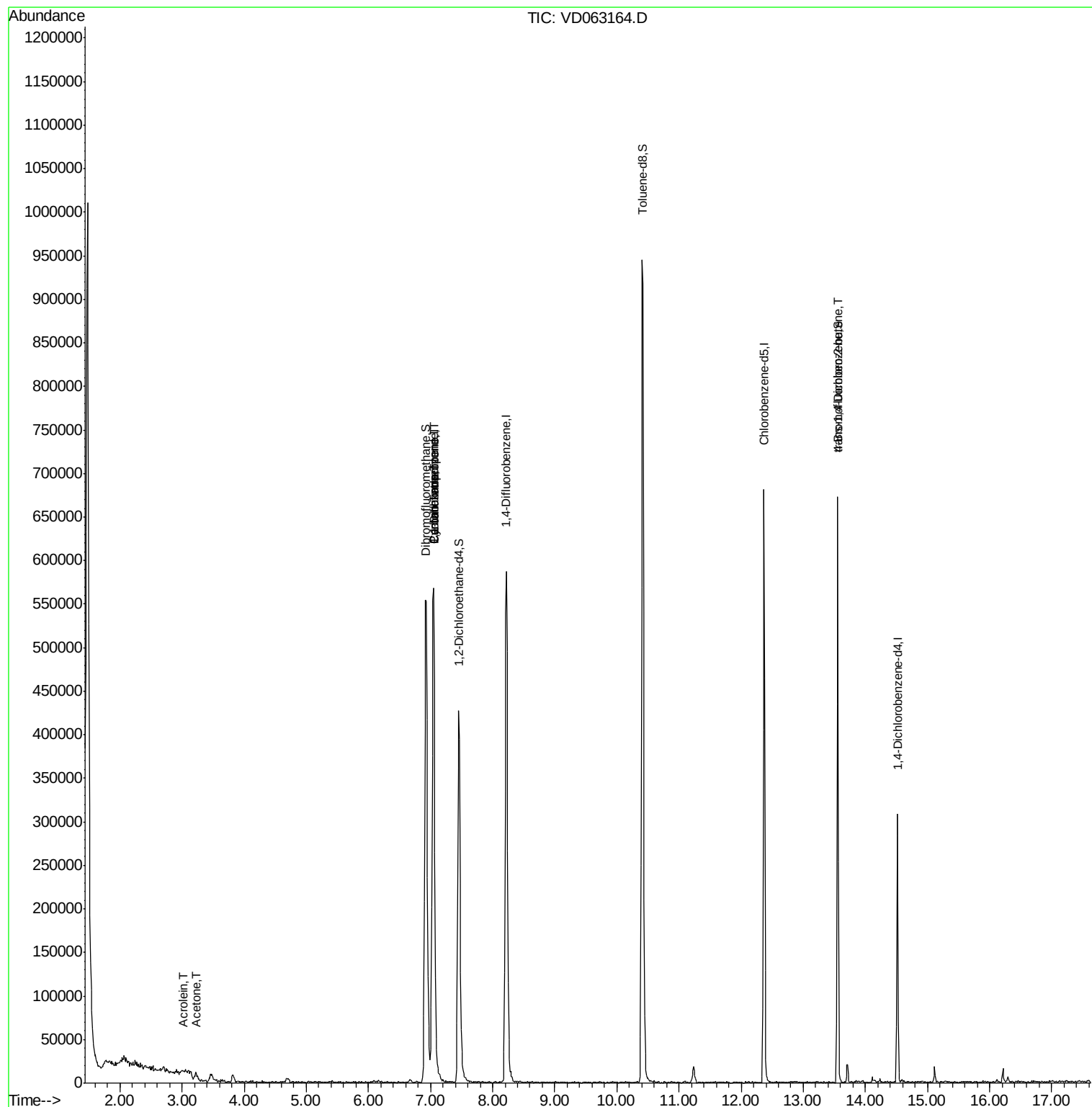
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	302	Below Cal	#	43
3) Chloromethane	1.76	50	594	Below Cal	#	48
5) Bromomethane	2.14	94	680	Below Cal	#	13
13) Acrolein	3.03	56	206	1.735	ug/l #	1
16) Acetone	3.22	43	15970	9.703	ug/l #	81
18) Methyl Acetate	3.62	43	780	Below Cal	#	63
31) Cyclohexane	7.04	56	11985	1.847	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	40855	5.532	ug/l #	50
38) Carbon Tetrachloride	7.05	117	55004	4.901	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	84472	293.440	ug/l #	1

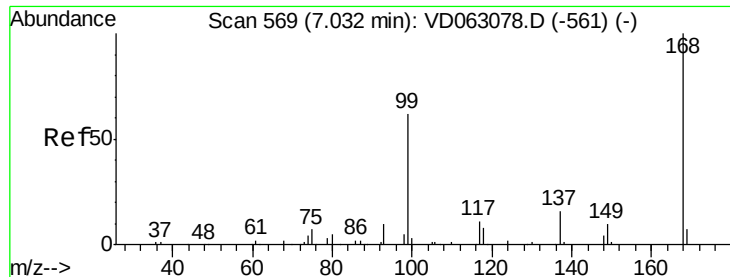
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063164.D

Acq: 19 Jul 2019 20:03

Instrument :

MSVOA_D

ClientSampleId :

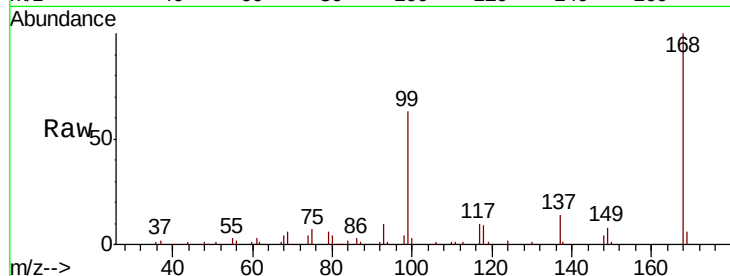
S-2(PLAY-AREA)-0-6RE

Tot Ion:168 Resp: 547055

Ion Ratio Lower Upper

168 100

99 62.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

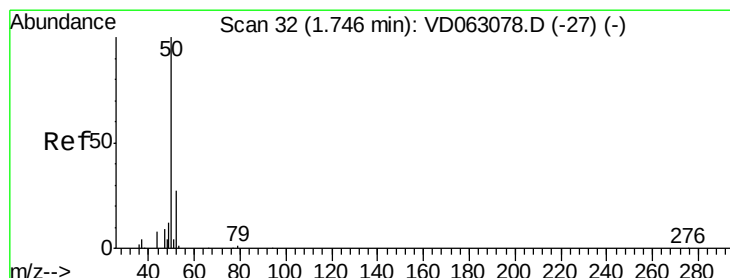
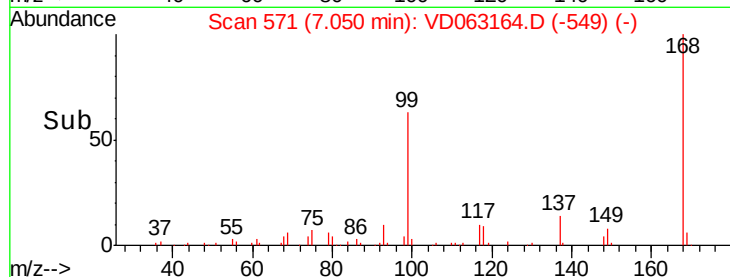
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD063164.D

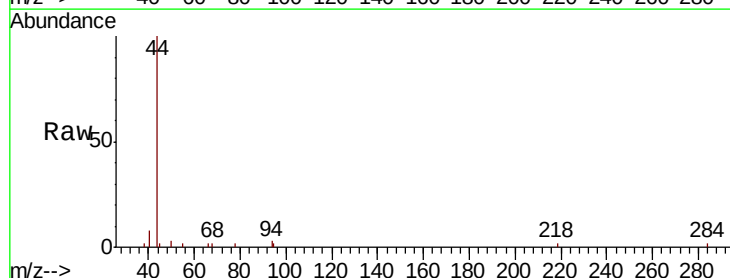
Acq: 19 Jul 2019 20:03

Tgt Ion: 50 Resp: 594

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

600

500

400

300

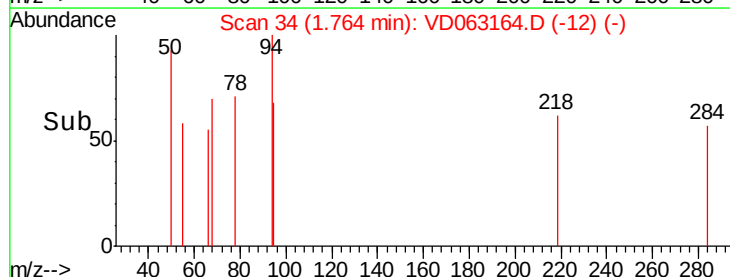
200

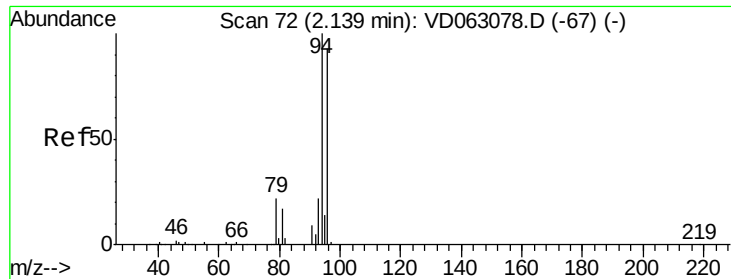
100

0

1.74 1.76 1.78

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063164.D

Acq: 19 Jul 2019 20:03

Instrument :

MSVOA_D

ClientSampleId :

S-2(PLAY-AREA)-0-6RE

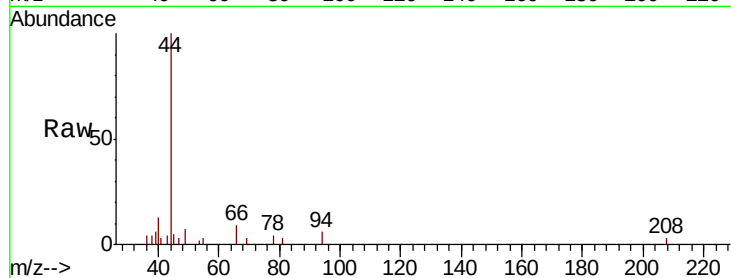
Tot Ion: 94 Resp: 680

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

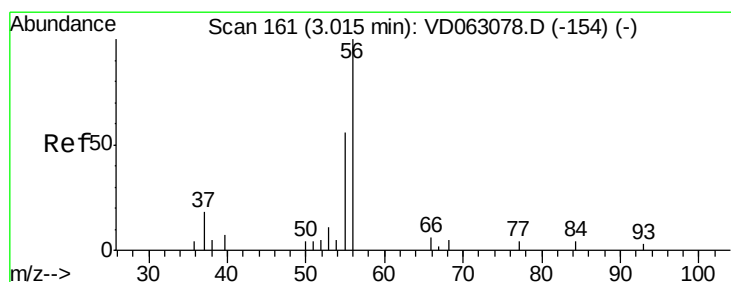
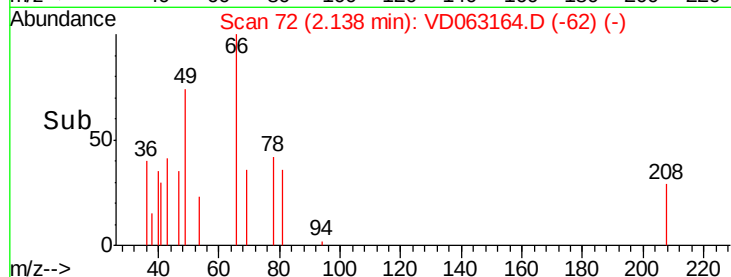
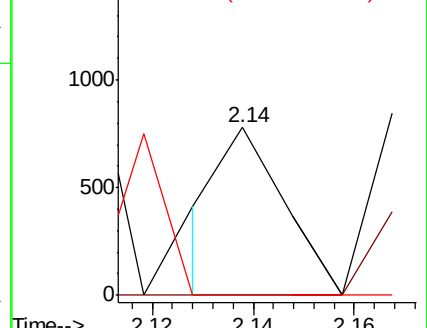
93 0.0 17.8 26.6#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#13

Acrolein

Concen: 1.735 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.02 min

Lab File: VD063164.D

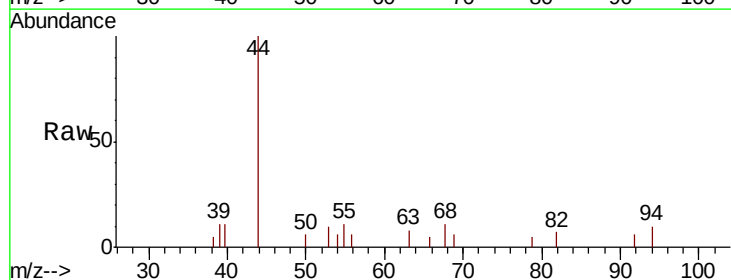
Acq: 19 Jul 2019 20:03

Tgt Ion: 56 Resp: 206

Ion Ratio Lower Upper

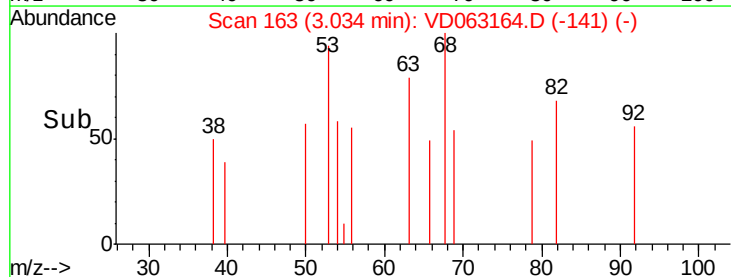
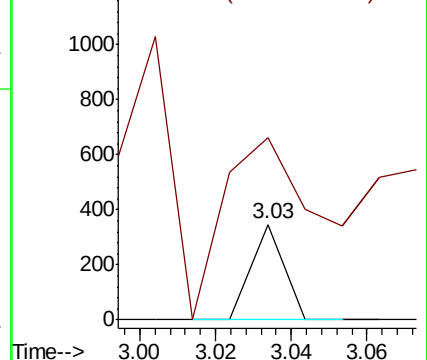
56 100

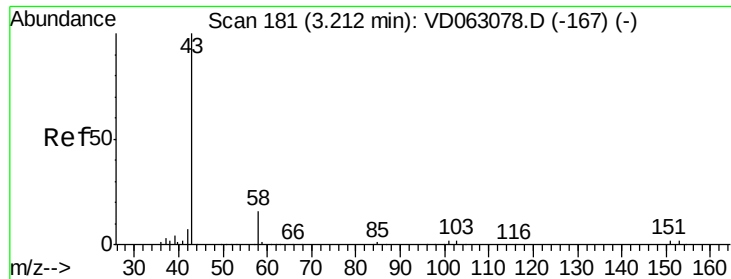
55 190.5 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 9.703 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063164.D

Acq: 19 Jul 2019 20:03

Instrument :

MSVOA_D

ClientSampleId :

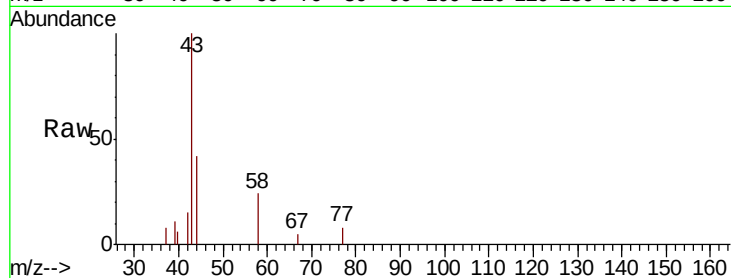
S-2(PLAY-AREA)-0-6RE

Tot Ion: 43 Resp: 15970

Ion Ratio Lower Upper

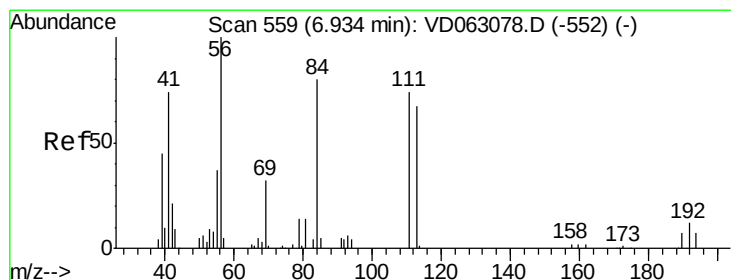
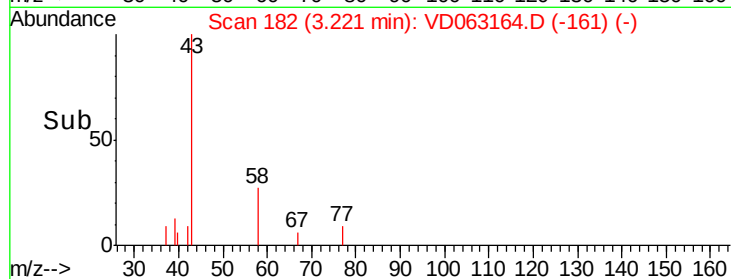
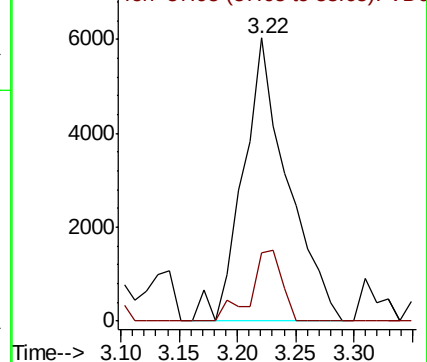
43 100

58 24.3 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: 1.847 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.11 min

Lab File: VD063164.D

Acq: 19 Jul 2019 20:03

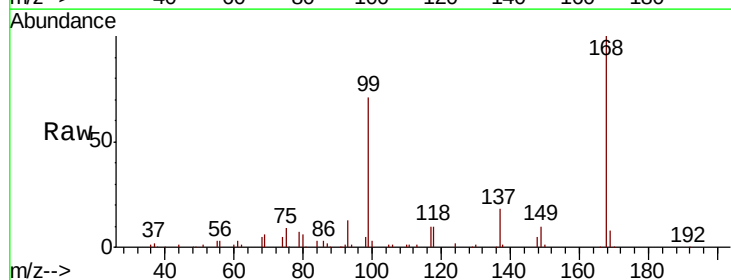
Tgt Ion: 56 Resp: 11985

Ion Ratio Lower Upper

56 100

69 209.6 25.3 37.9#

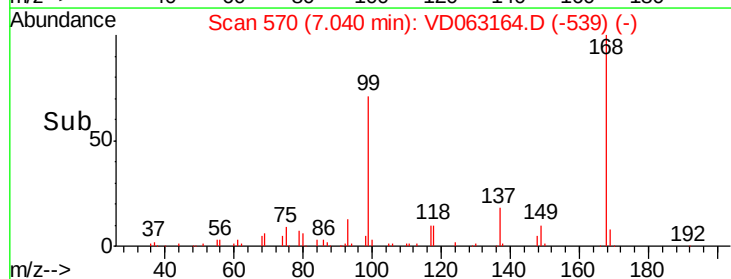
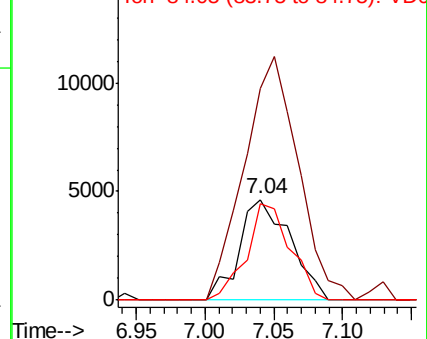
84 95.7 64.2 96.4

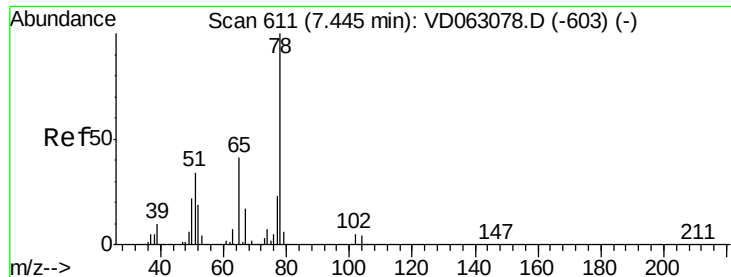


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

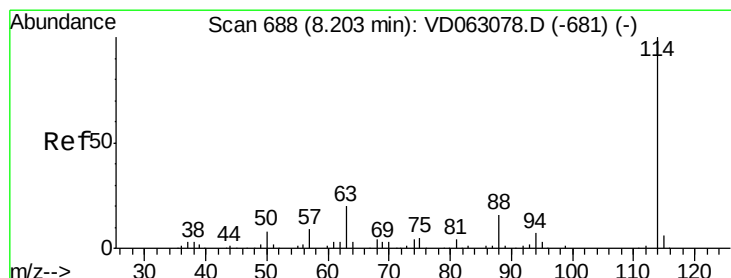
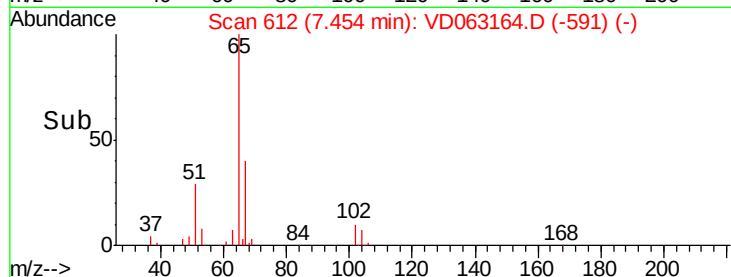
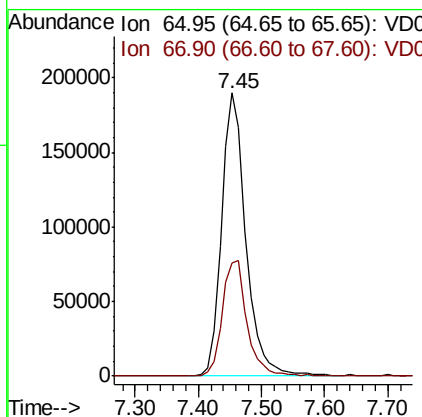
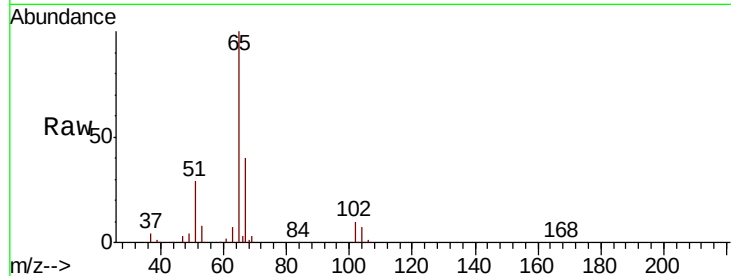




#33
 1,2-Dichloroethane-d4
 Concen: 74.342 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063164.D
 Acq: 19 Jul 2019 20:03

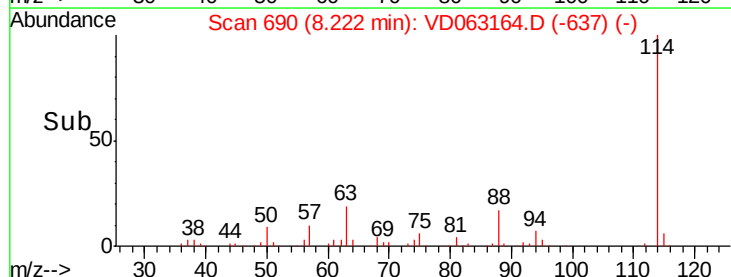
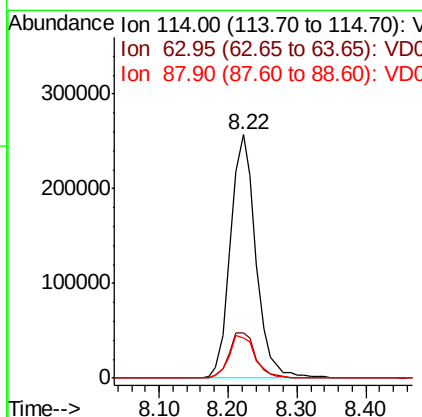
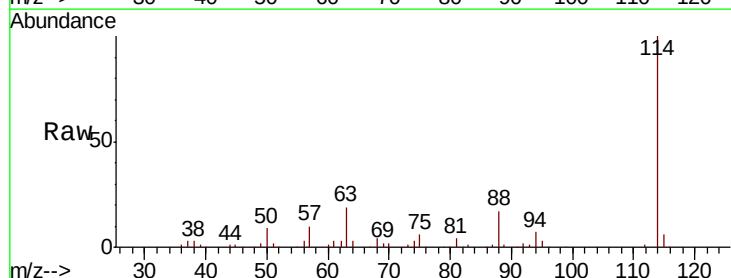
Instrument :
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 S-2(PLAY-AREA)-0-6RE

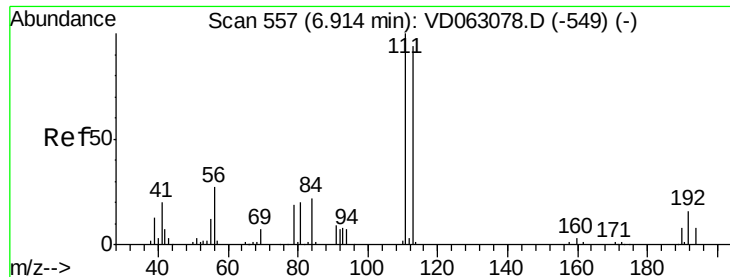
Tot Ion: 65 Resp: 506615
 Ion Ratio Lower Upper
 65 100
 67 40.1 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063164.D
 Acq: 19 Jul 2019 20:03

Tgt Ion: 114 Resp: 656687
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 40.6
 88 16.7 0.0 32.6

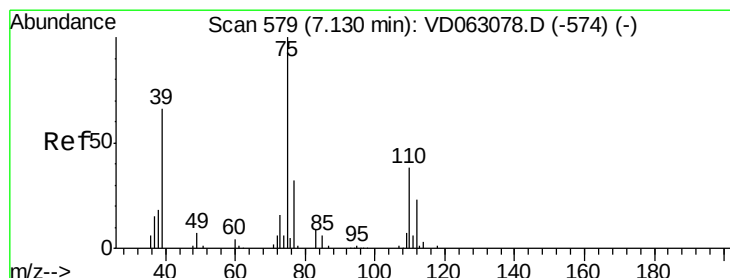
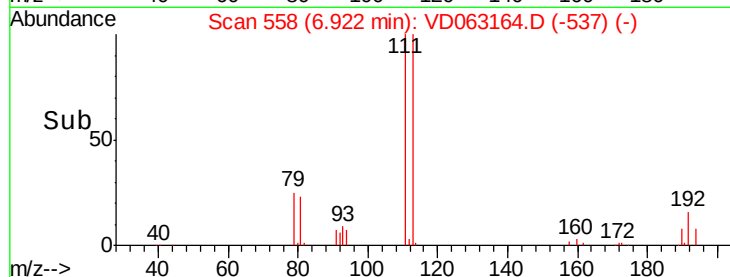
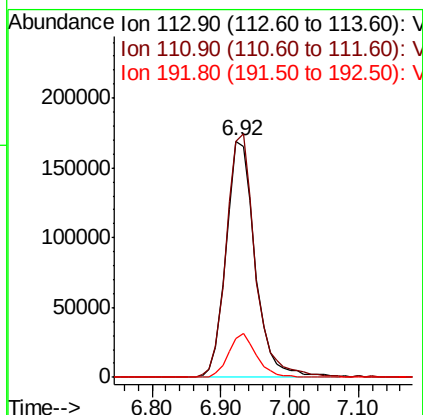
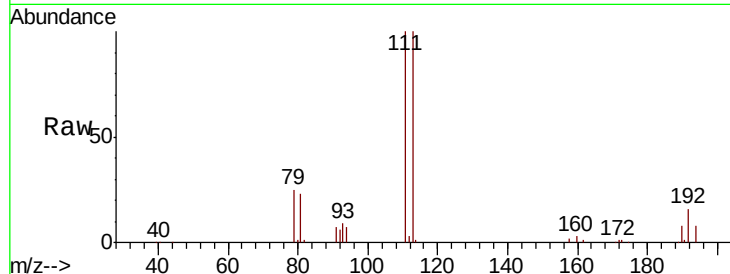




#35
 Dibromofluoromethane
 Concen: 75.478 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063164.D
 Acq: 19 Jul 2019 20:03

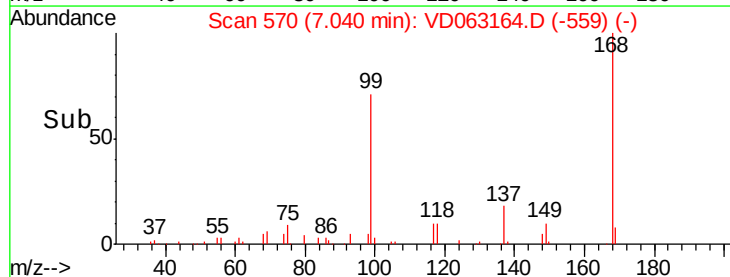
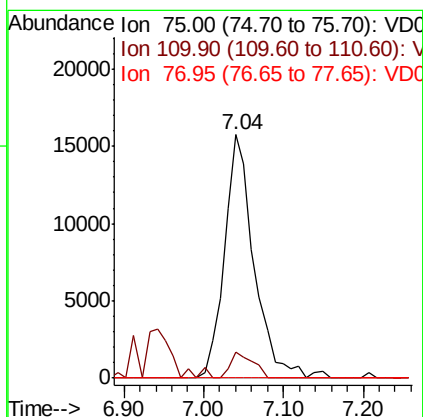
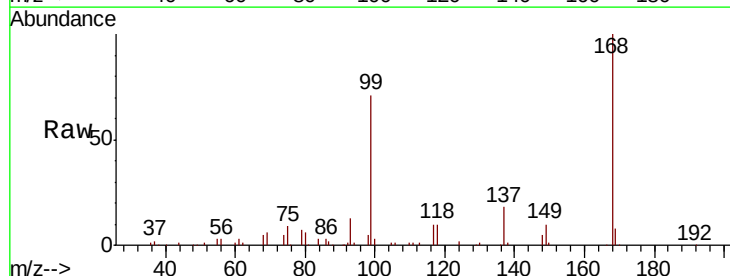
Instrument :
 MSVOA_D
 ClientSampleId :
 S-2(PLAY-AREA)-0-6RE

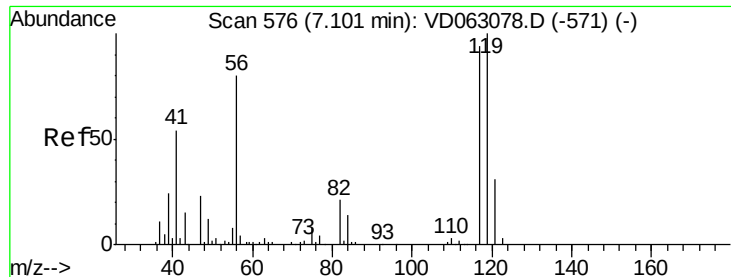
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	84.8	127.2
192	16.5	13.4	20.0



#36
 1,1-Dichloropropene
 Concen: 5.532 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063164.D
 Acq: 19 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.9	56.5#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 4.901 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063164.D

Acq: 19 Jul 2019 20:03

Instrument :

MSVOA_D

ClientSampleId :

S-2(PLAY-AREA)-0-6RE

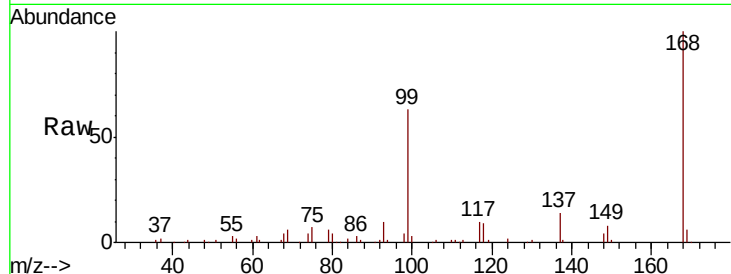
Tot Ion:117 Resp: 55004

Ion Ratio Lower Upper

117 100

119 6.1 80.0 120.0#

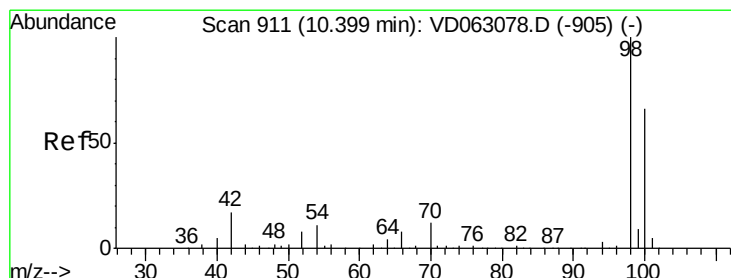
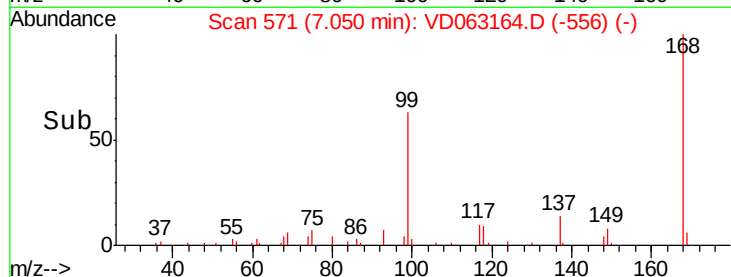
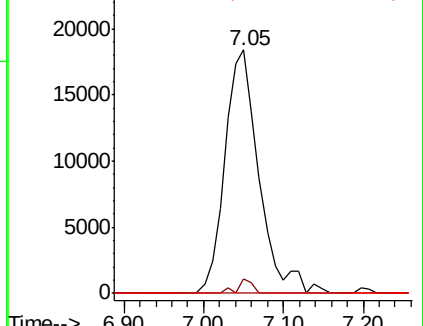
121 0.0 25.0 37.4#



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: 54.595 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD063164.D

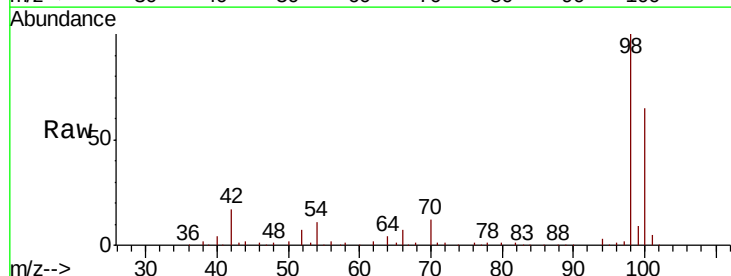
Acq: 19 Jul 2019 20:03

Tgt Ion: 98 Resp: 767031

Ion Ratio Lower Upper

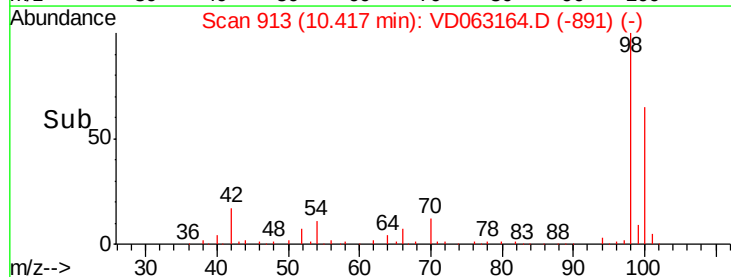
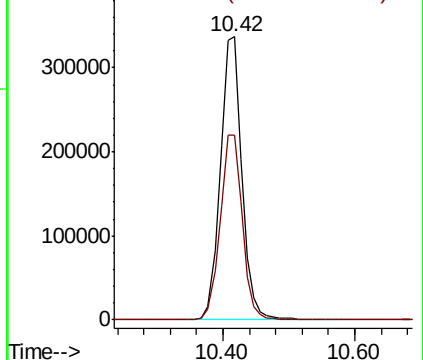
98 100

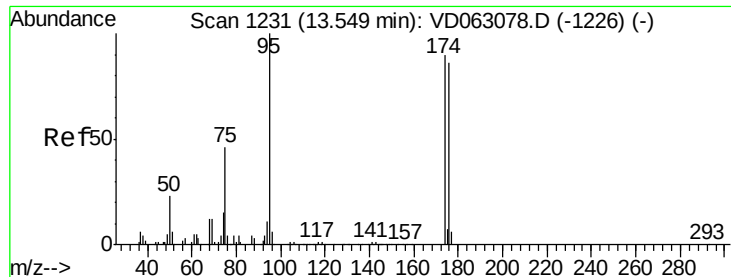
100 65.1 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 27.090 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063164.D

Acq: 19 Jul 2019 20:03

Instrument :

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ClientSampleId :

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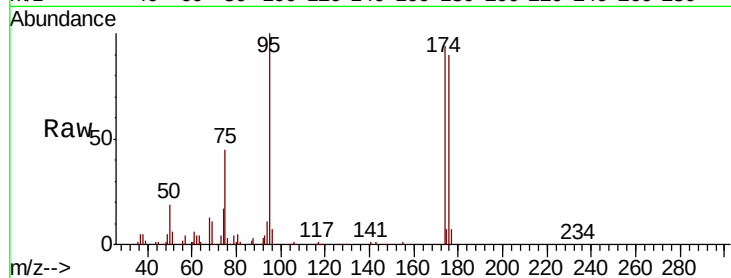
Tot Ion: 95 Resp: 176079

Ion Ratio Lower Upper

95 100

174 94.2 0.0 180.6

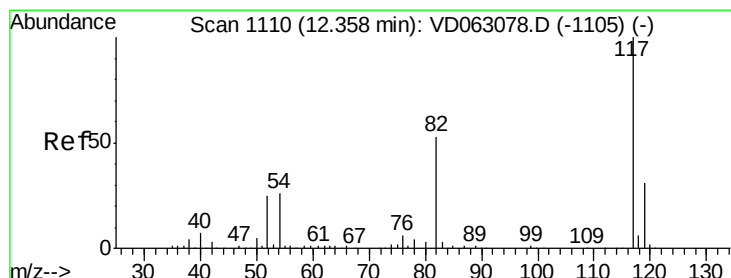
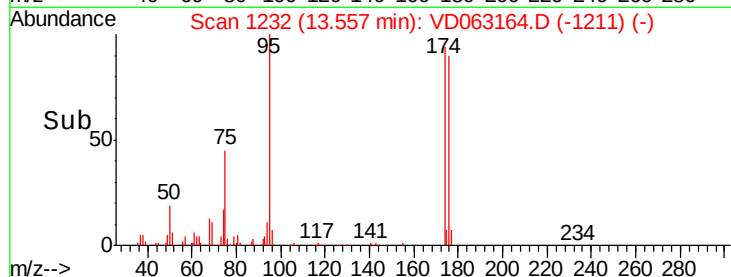
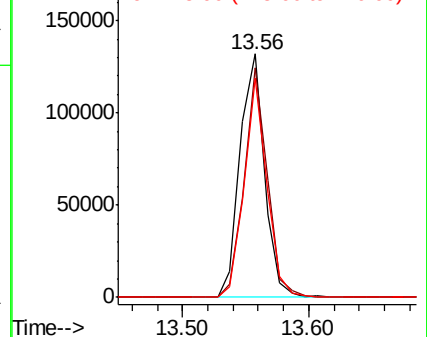
176 90.1 0.0 172.2



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: 12.37 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD063164.D

Acq: 19 Jul 2019 20:03

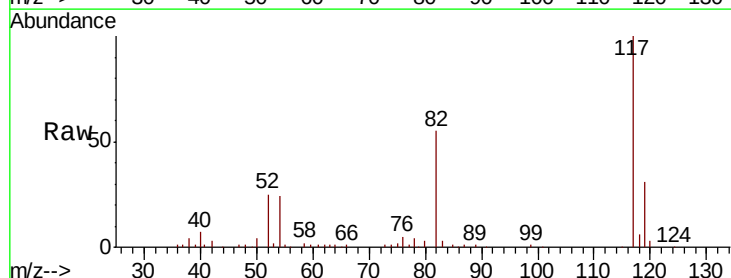
Tgt Ion: 117 Resp: 351992

Ion Ratio Lower Upper

117 100

82 54.6 42.3 63.5

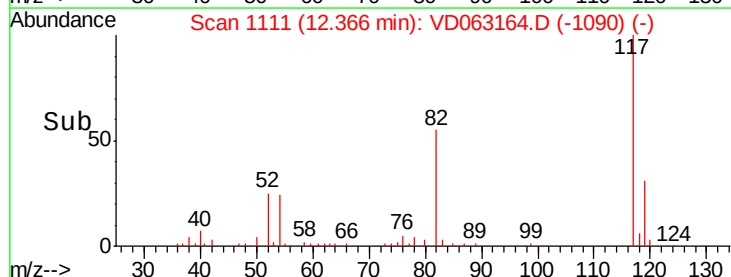
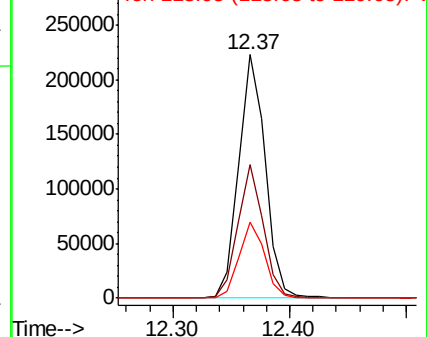
119 31.3 25.2 37.8

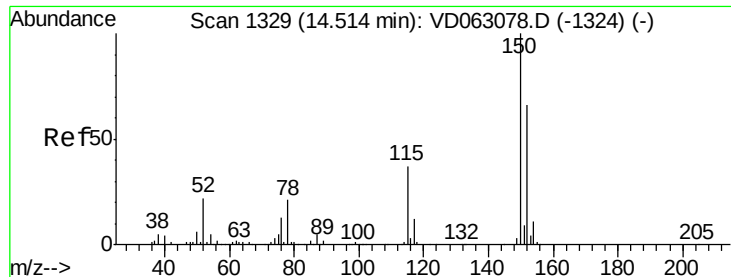


Abundance Ion 116.95 (116.65 to 117.65): V

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. 0.01 min

Lab File: VD063164.D

Acq: 19 Jul 2019 20:03

Instrument :

MSVOA_D

ClientSampleId :

S-2(PLAY-AREA)-0-6RE

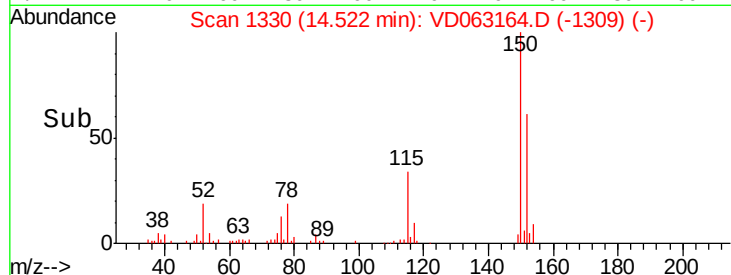
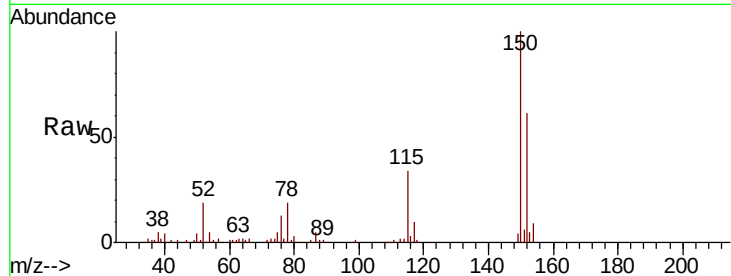
Tot Ion:152 Resp: 71063

Ion Ratio Lower Upper

152 100

115 55.1 28.9 86.8

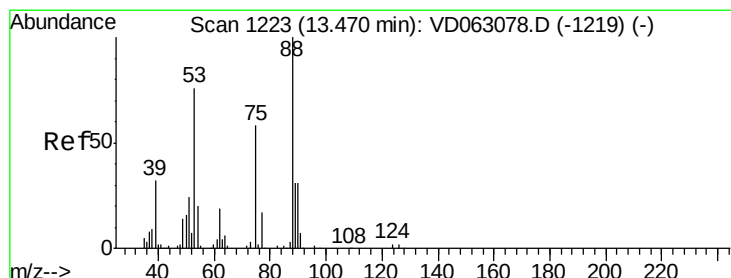
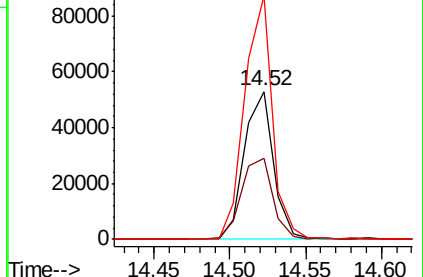
150 164.4 0.0 313.8



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: 293.440 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063164.D

Acq: 19 Jul 2019 20:03

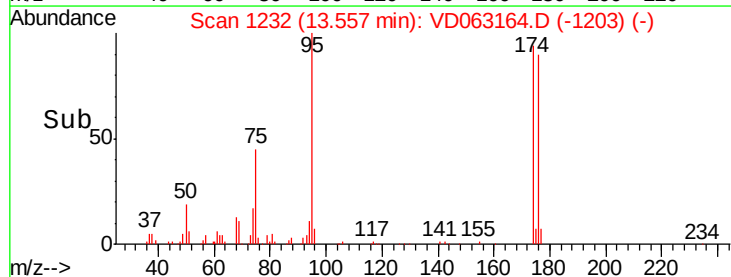
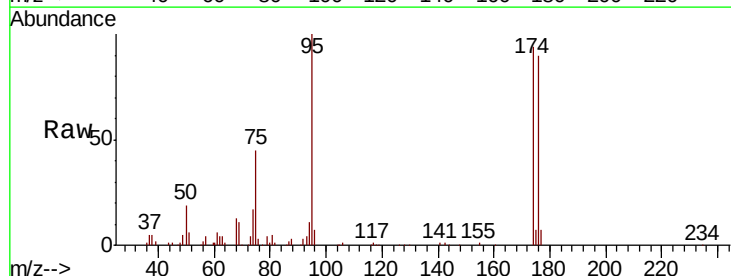
Tgt Ion: 75 Resp: 84472

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

