

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063154.D
 Acq On : 19 Jul 2019 15:24
 Operator : VA/AP
 Sample : K3835-05RE
 Misc : 4.61µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(0-2)

Quant Time: Jul 20 05:01:09 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	7.04	168	928264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1238311	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	924765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	397360	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	425157	36.77	ug/l	0.00
Spiked Amount			Recovery	=	73.54%	
35) Dibromofluoromethane	6.92	113	470720	38.16	ug/l	0.00
Spiked Amount			Recovery	=	76.32%	
50) Toluene-d8	10.41	98	906646	34.22	ug/l	0.00
Spiked Amount			Recovery	=	68.44%	
62) 4-Bromofluorobenzene	13.56	95	351294	28.66	ug/l	0.00
Spiked Amount			Recovery	=	57.32%	

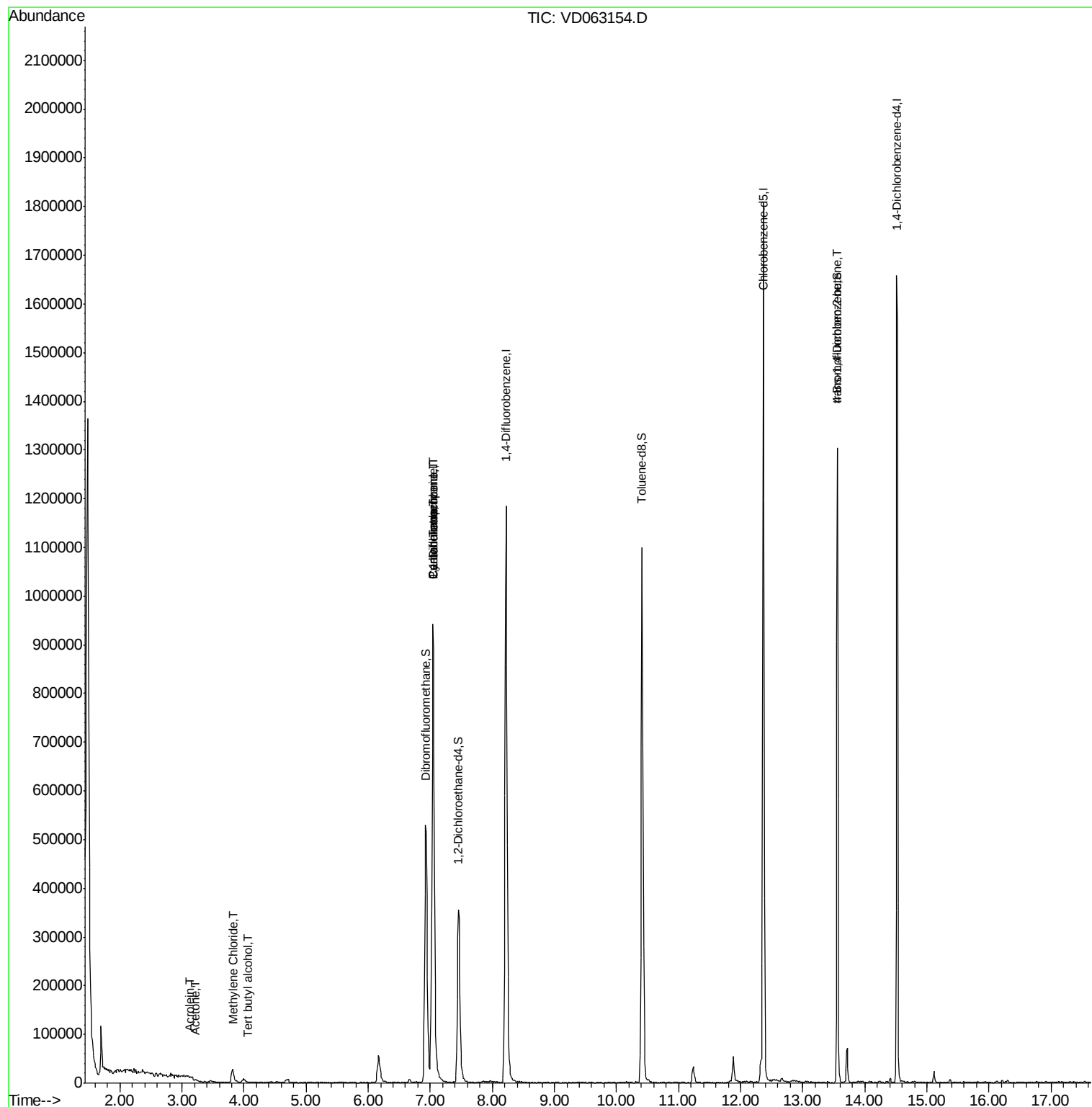
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	1557	Below Cal	#	43
3) Chloromethane	1.76	50	551	Below Cal	#	48
5) Bromomethane	2.16	94	1670	Below Cal	#	13
11) Tert butyl alcohol	4.07	59	1766	2.646	ug/l #	77
13) Acrolein	3.13	56	265	1.316	ug/l #	17
16) Acetone	3.22	43	7613	2.726	ug/l	98
18) Methyl Acetate	3.63	43	234	Below Cal	#	63
20) Methylene Chloride	3.82	84	16864	1.598	ug/l #	74
31) Cyclohexane	7.05	56	21288	1.934	ug/l #	30
36) 1,1-Dichloropropene	7.04	75	68742	4.936	ug/l #	48
38) Carbon Tetrachloride	7.04	117	92145	4.354	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.56	75	161170	100.127	ug/l #	1

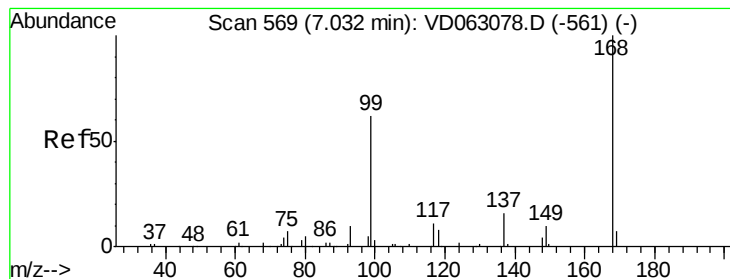
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

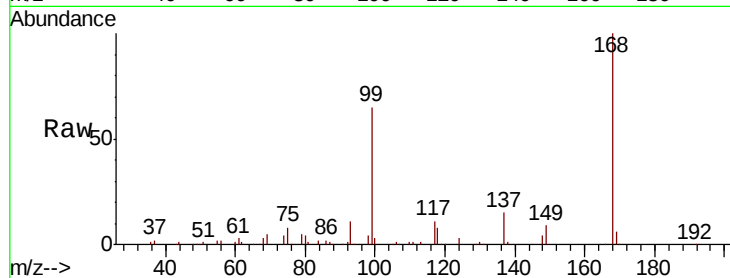
SB-3(0-2)

Tot Ion:168 Resp: 928264

Ion Ratio Lower Upper

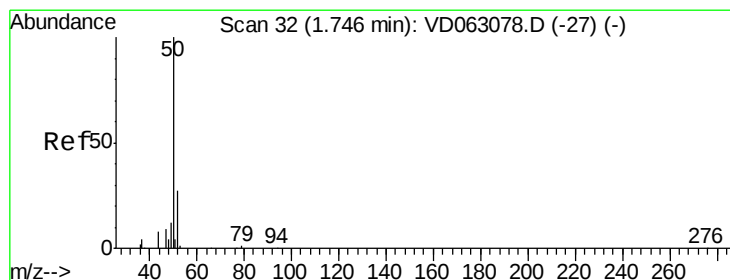
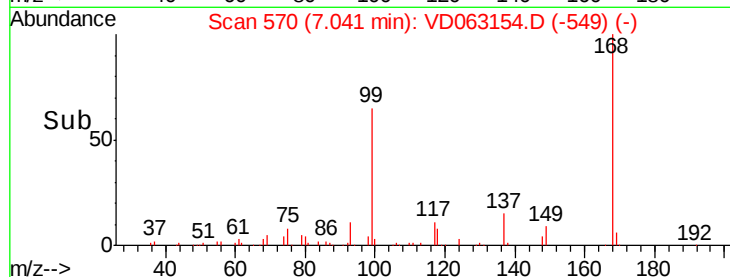
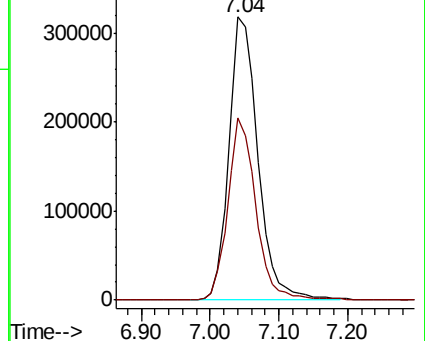
168 100

99 64.5 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD063154.D

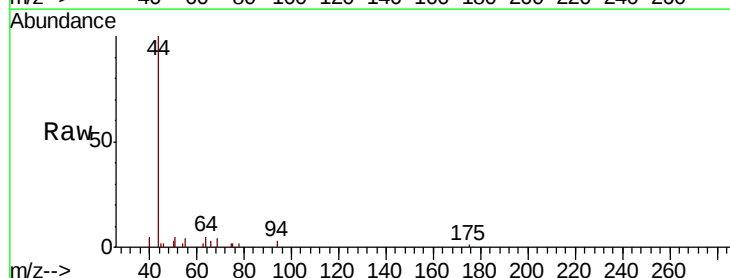
Acq: 19 Jul 2019 15:24

Tgt Ion: 50 Resp: 551

Ion Ratio Lower Upper

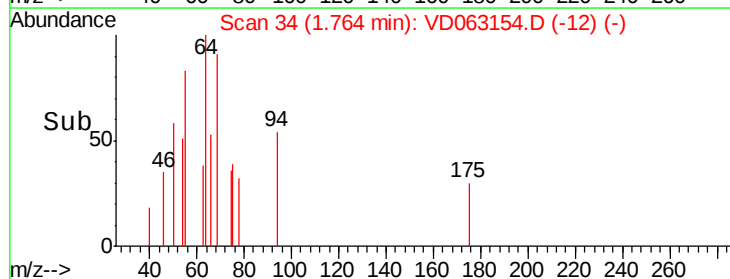
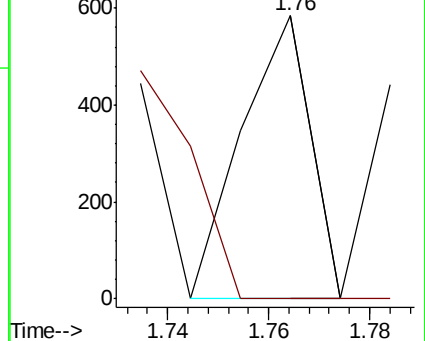
50 100

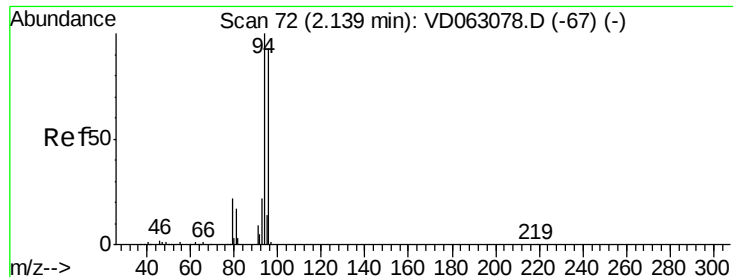
52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

SB-3(0-2)

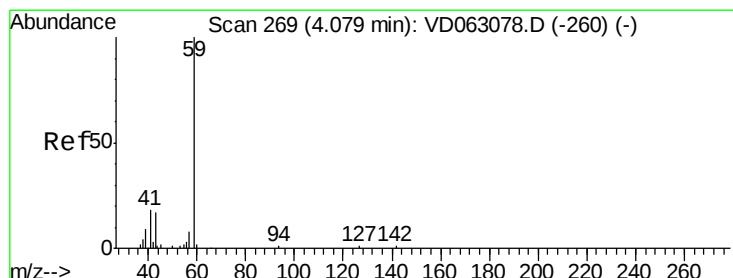
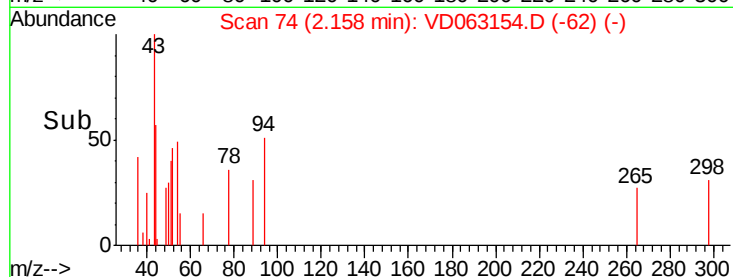
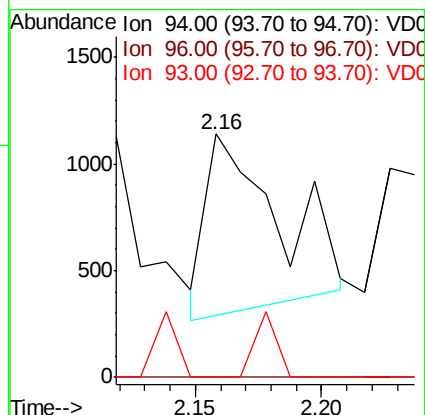
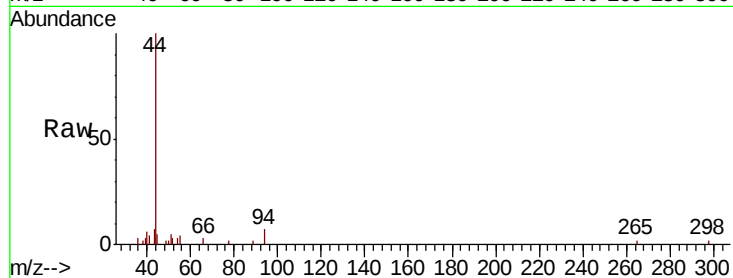
Tot Ion: 94 Resp: 1670

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 2.646 ug/l

RT: 4.07 min Scan# 268

Delta R.T. -0.01 min

Lab File: VD063154.D

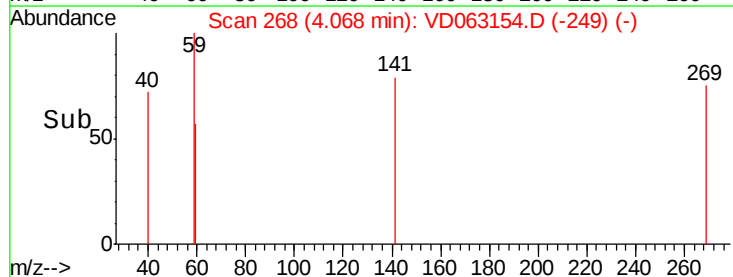
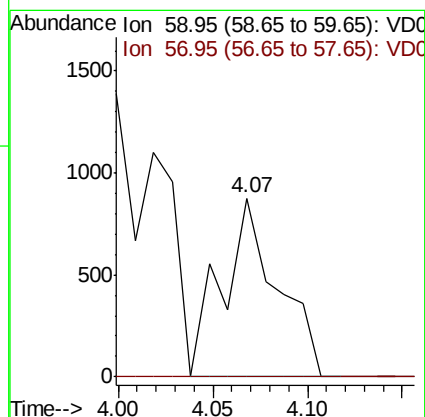
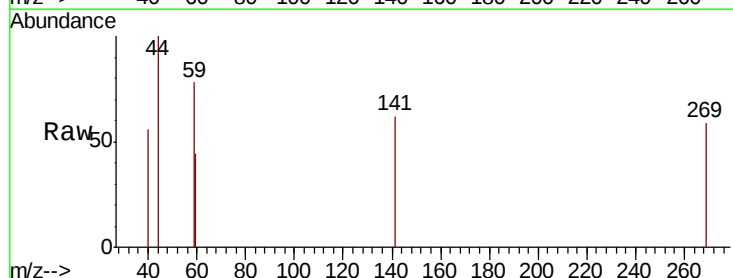
Acq: 19 Jul 2019 15:24

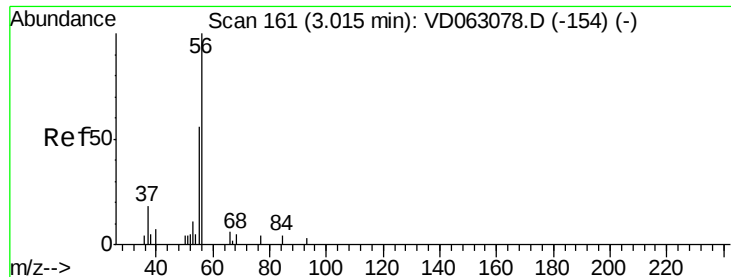
Tgt Ion: 59 Resp: 1766

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#





#13

Acrolein

Concen: 1.316 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.12 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

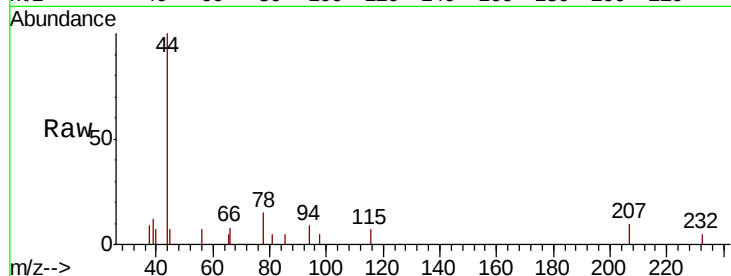
SB-3(0-2)

Tot Ion: 56 Resp: 265

Ion Ratio Lower Upper

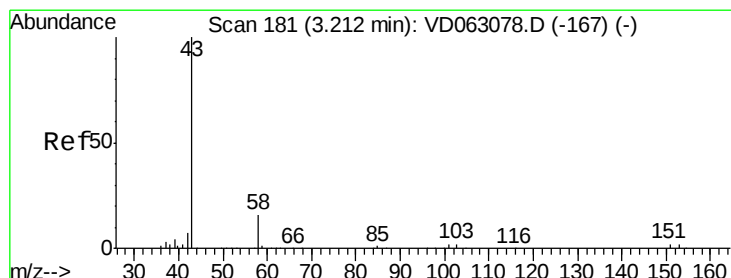
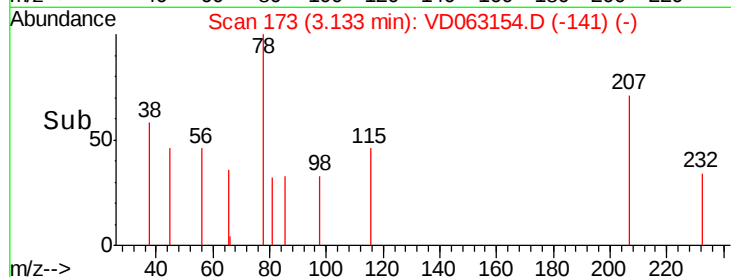
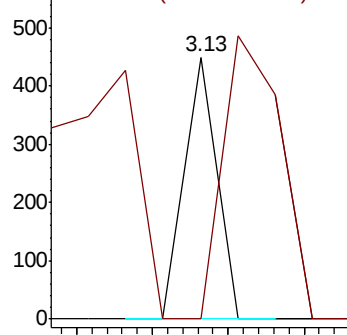
56 100

55 0.0 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: 2.726 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063154.D

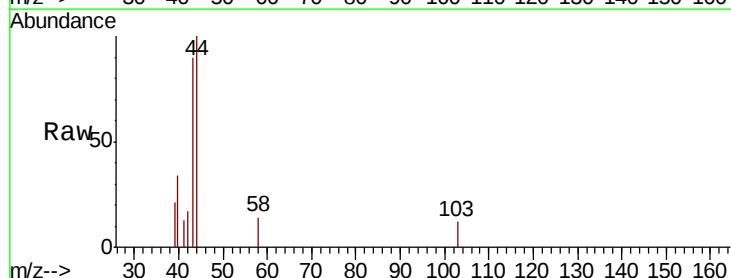
Acq: 19 Jul 2019 15:24

Tgt Ion: 43 Resp: 7613

Ion Ratio Lower Upper

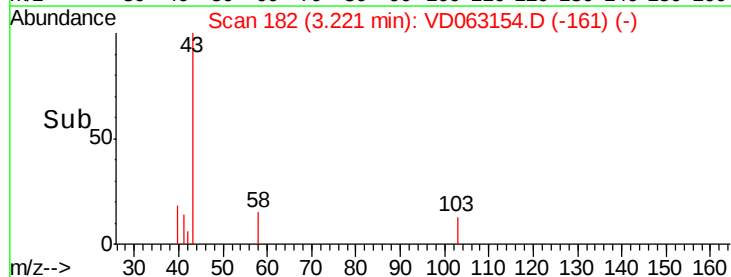
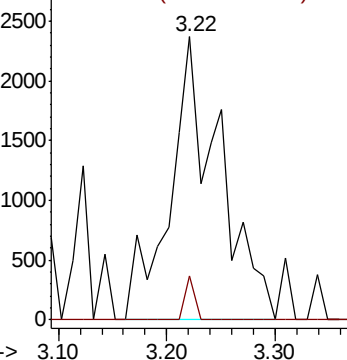
43 100

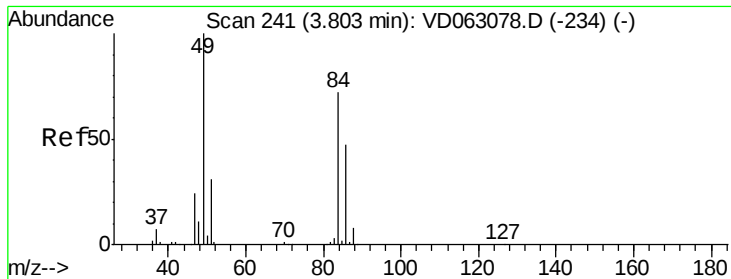
58 15.5 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

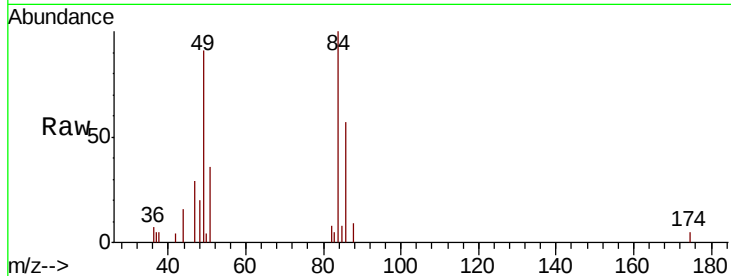




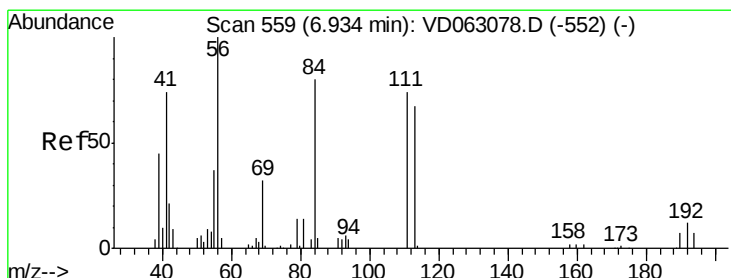
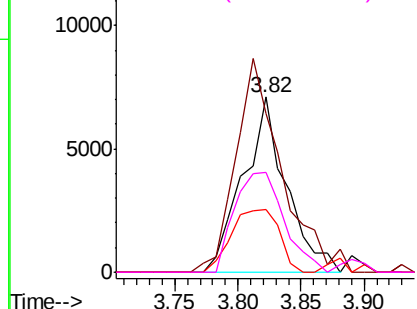
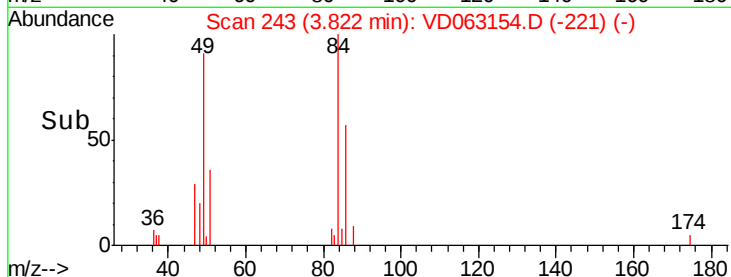
#20
Methylene Chloride
Concen: 1.598 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063154.D
Acq: 19 Jul 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
SB-3(0-2)

Tot Ion: 84 Resp: 16864
Ion Ratio Lower Upper
84 100
49 91.0 110.5 165.7#
51 35.6 34.6 51.8
86 57.0 51.6 77.4

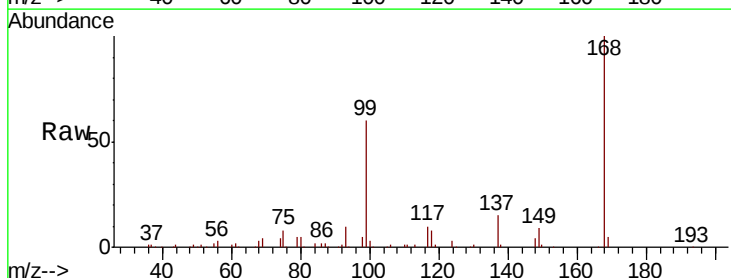


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

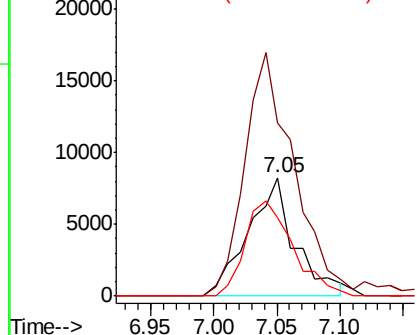
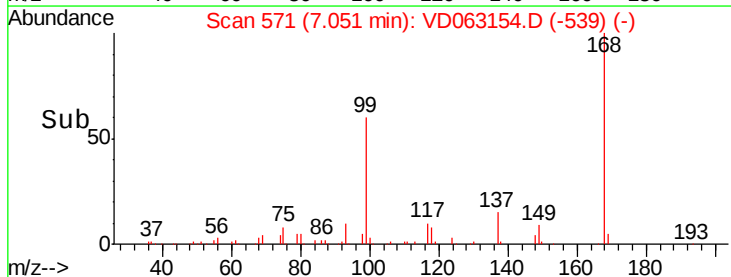


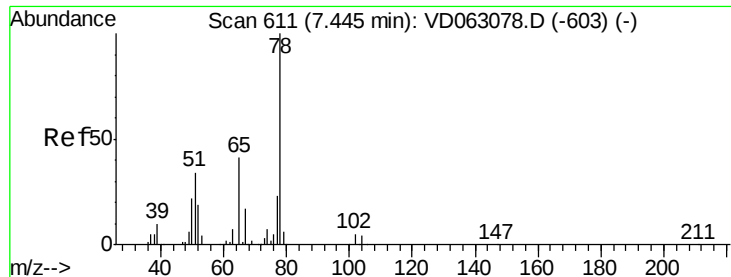
#31
Cyclohexane
Concen: 1.934 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.12 min
Lab File: VD063154.D
Acq: 19 Jul 2019 15:24

Tgt Ion: 56 Resp: 21288
Ion Ratio Lower Upper
56 100
69 146.4 25.3 37.9#
84 66.1 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: 36.768 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

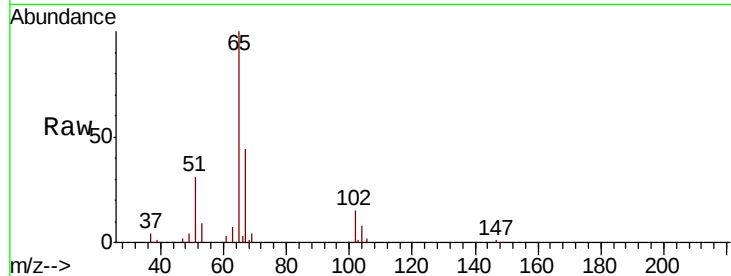
SB-3(0-2)

Tot Ion: 65 Resp: 425157

Ion Ratio Lower Upper

65 100

67 43.8 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

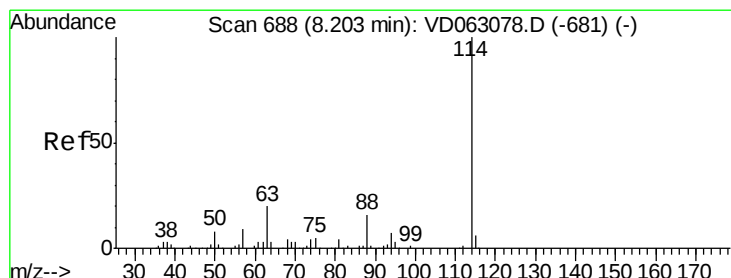
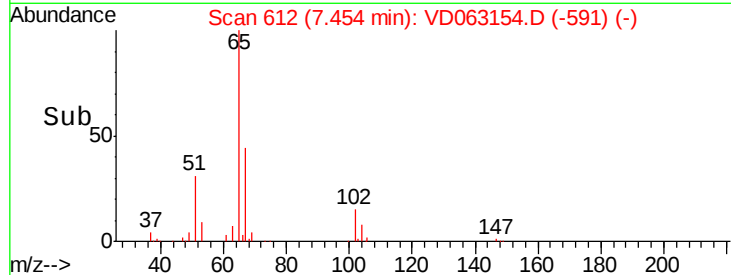
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

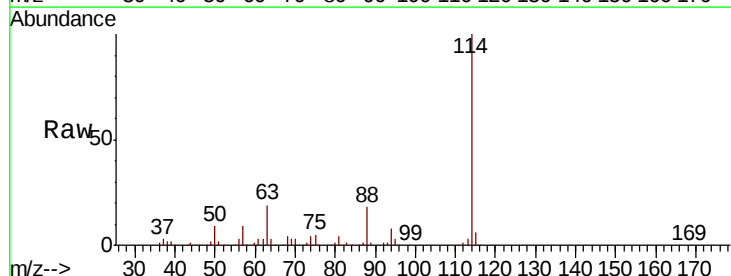
Tgt Ion: 114 Resp: 1238311

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.6

88 18.4 0.0 32.6



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

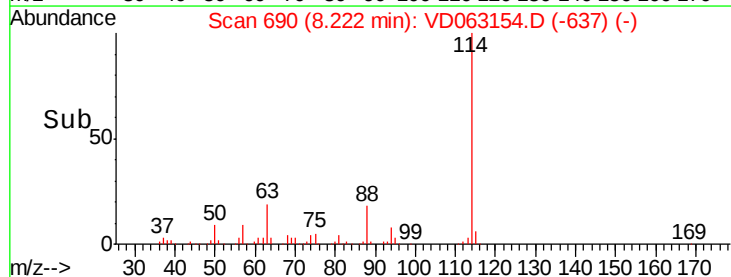
600000

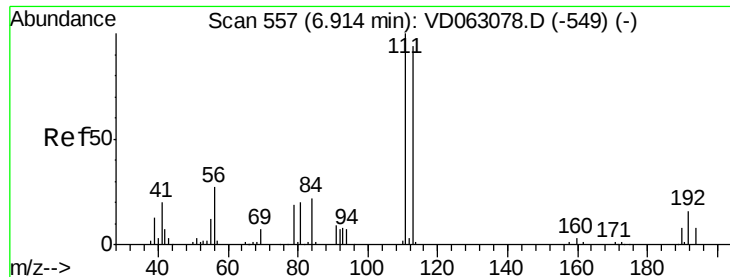
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 38.165 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

SB-3(0-2)

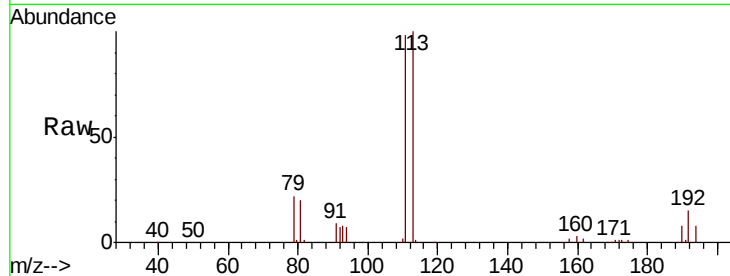
Tot Ion:113 Resp: 470720

Ion Ratio Lower Upper

113 100

111 98.4 84.8 127.2

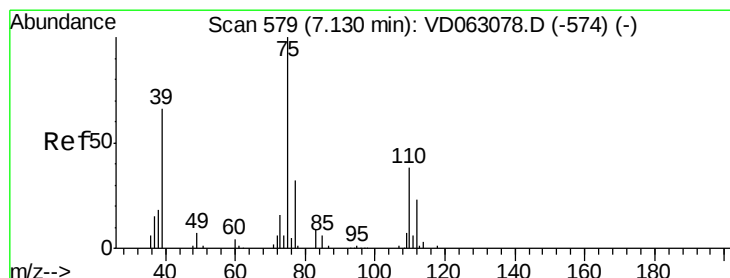
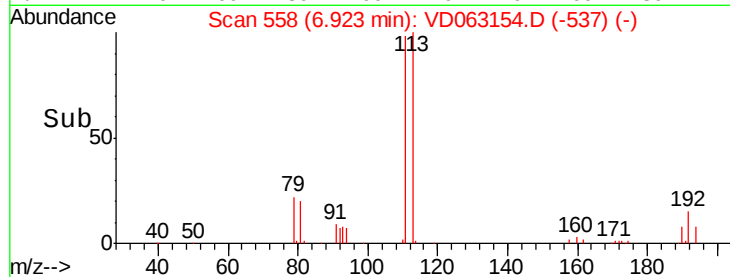
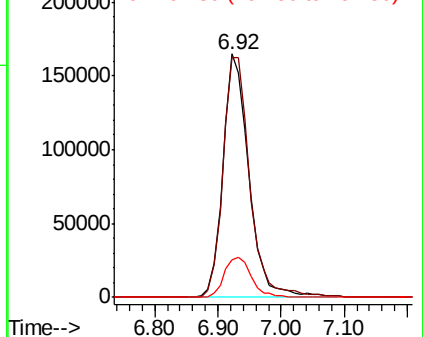
192 15.4 13.4 20.0



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: 4.936 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

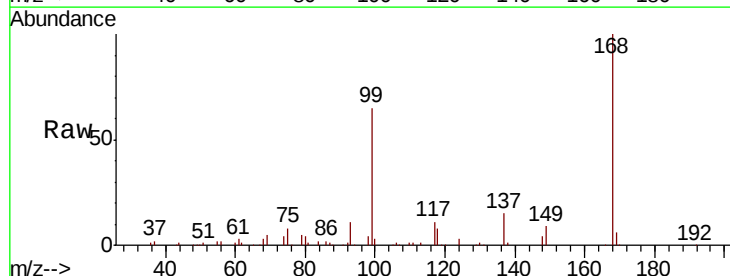
Tgt Ion: 75 Resp: 68742

Ion Ratio Lower Upper

75 100

110 8.6 18.9 56.5#

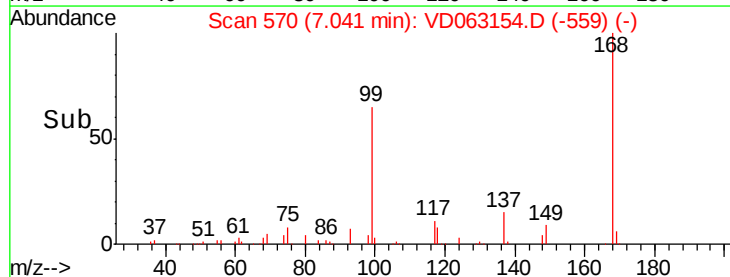
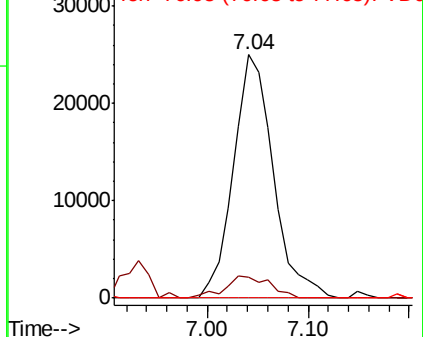
77 0.0 25.2 37.8#

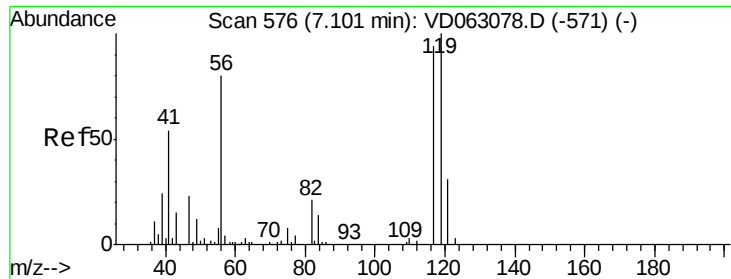


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

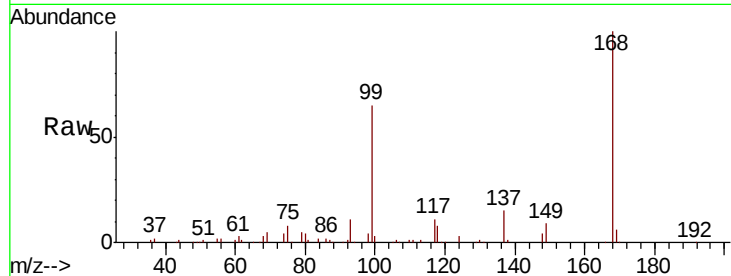




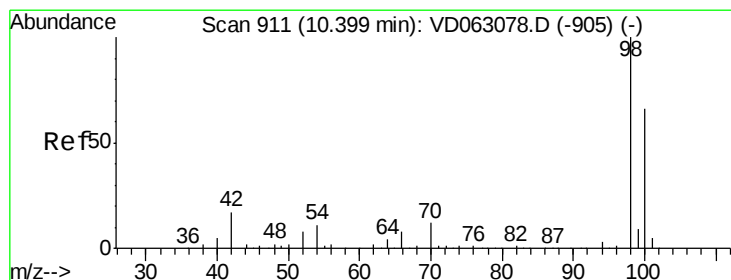
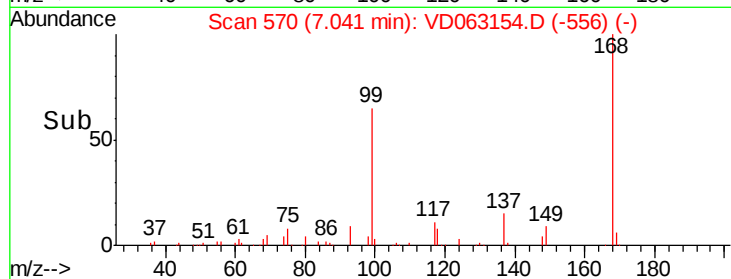
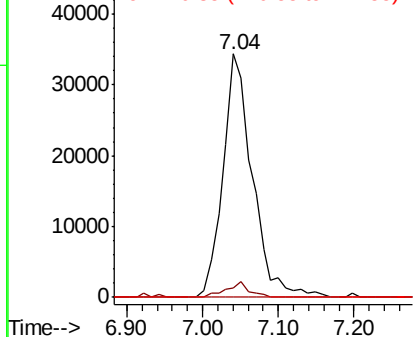
#38
Carbon Tetrachloride
Concen: 4.354 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063154.D
Acq: 19 Jul 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
SB-3(0-2)

Tot Ion:117 Resp: 92145
Ion Ratio Lower Upper
117 100
119 3.8 80.0 120.0#
121 0.0 25.0 37.4#

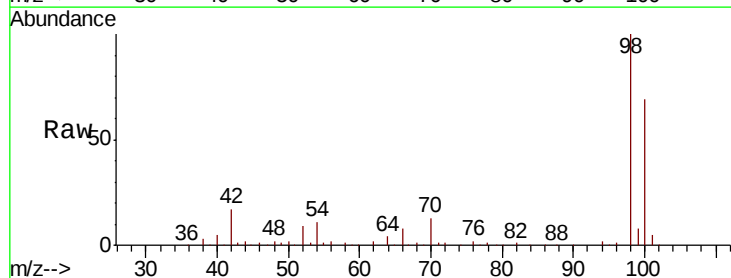


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

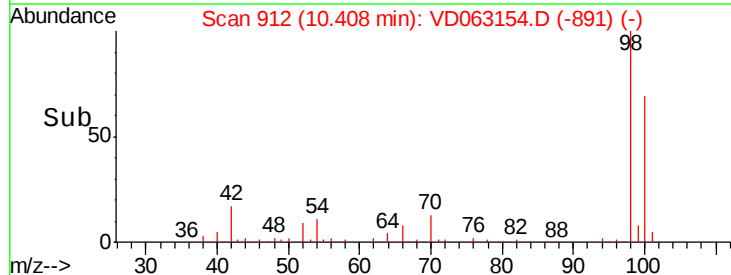
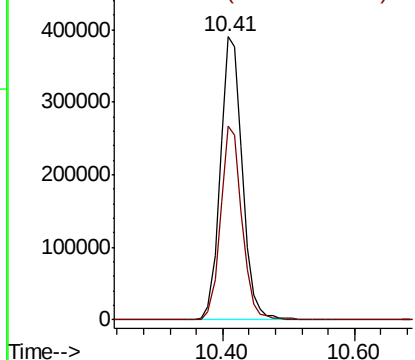


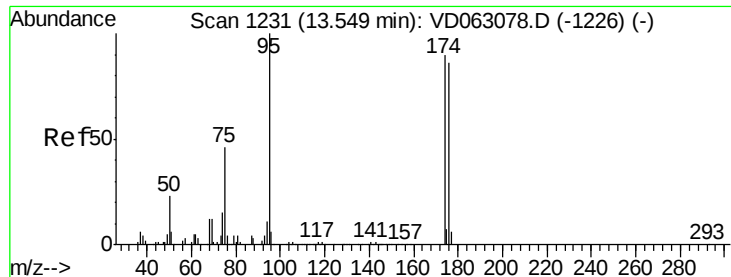
#50
Toluene-d8
Concen: 34.222 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063154.D
Acq: 19 Jul 2019 15:24

Tgt Ion: 98 Resp: 906646
Ion Ratio Lower Upper
98 100
100 68.6 53.5 80.3



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





#62

4-Bromofluorobenzene

Concen: 28.661 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

SB-3(0-2)

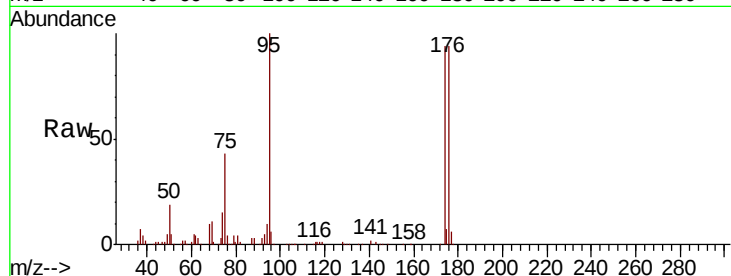
Tot Ion: 95 Resp: 351294

Ion Ratio Lower Upper

95 100

174 93.7 0.0 180.6

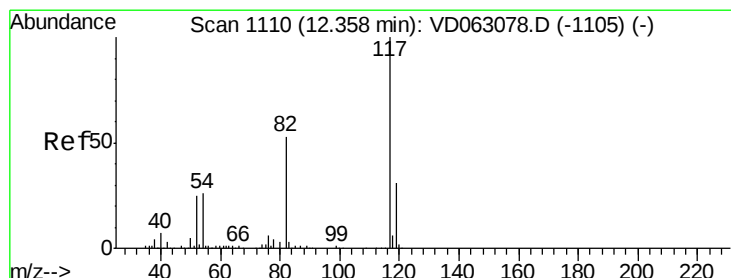
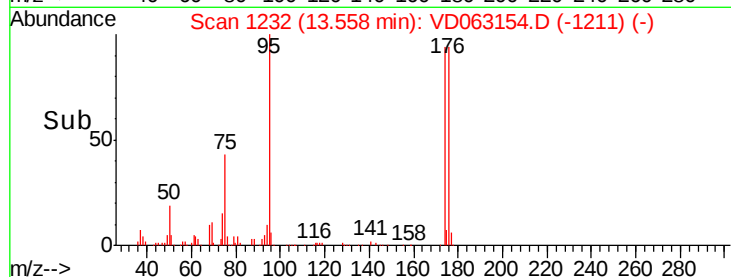
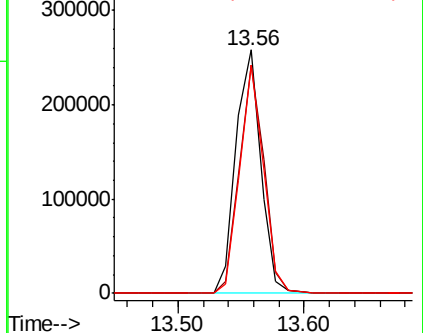
176 93.7 0.0 172.2



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: VD063154.D

Acq: 19 Jul 2019 15:24

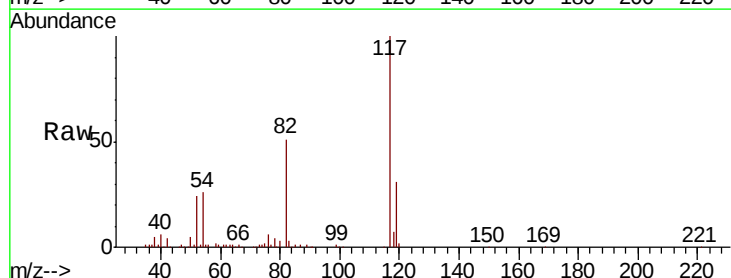
Tgt Ion: 117 Resp: 924765

Ion Ratio Lower Upper

117 100

82 51.3 42.3 63.5

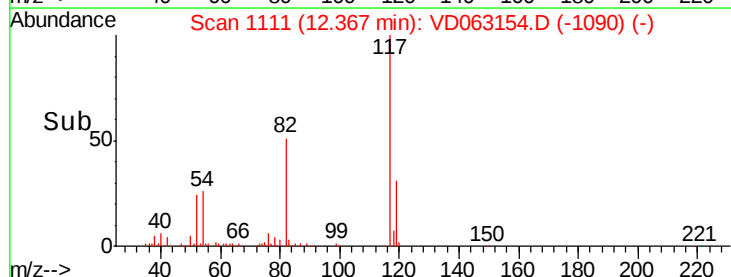
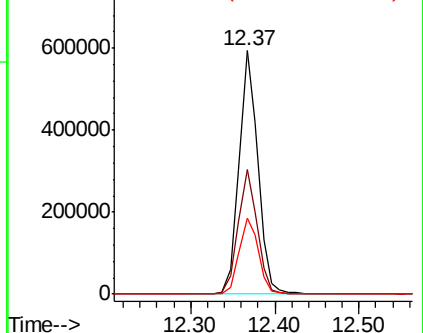
119 31.0 25.2 37.8

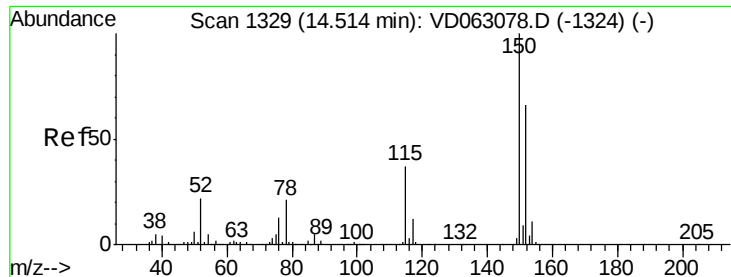


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

SB-3(0-2)

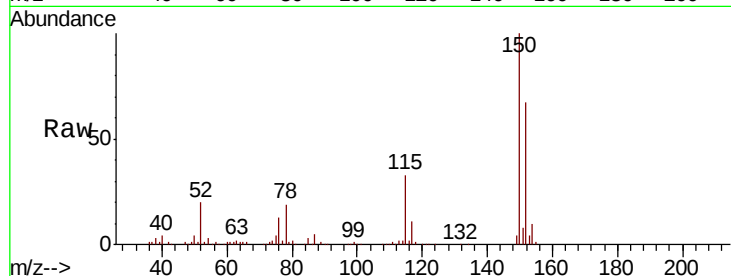
Tot Ion:152 Resp: 397360

Ion Ratio Lower Upper

152 100

115 49.8 28.9 86.8

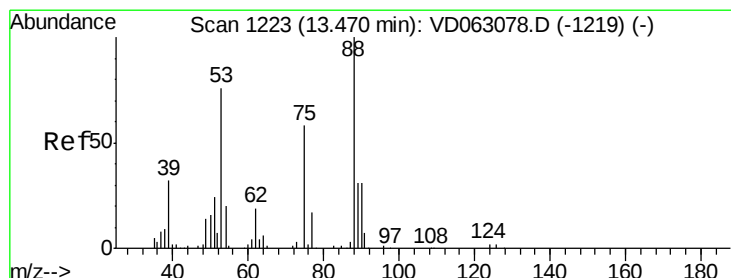
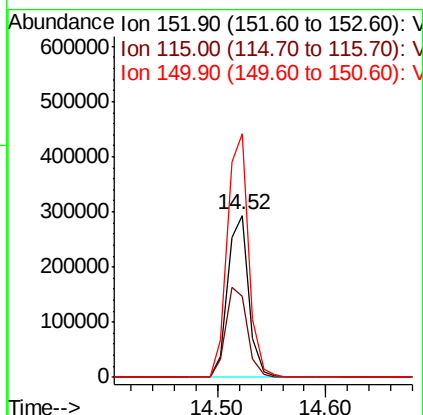
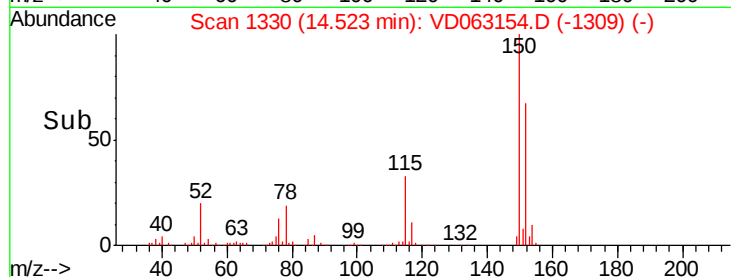
150 150.2 0.0 313.8



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: 100.127 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

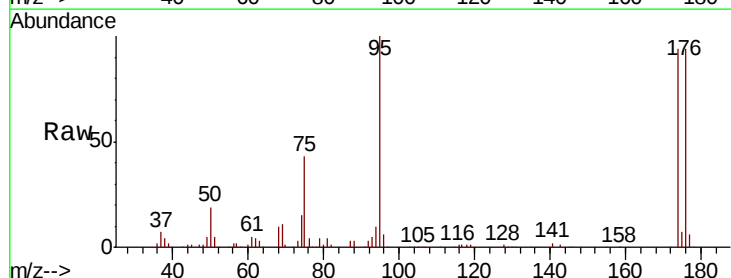
Tgt Ion: 75 Resp: 161170

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

