

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063151.D
 Acq On : 19 Jul 2019 14:02
 Operator : VA/AP
 Sample : K3835-01RE
 Misc : 4.64g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(0-2)RE

Quant Time: Jul 20 05:00:29 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	940885	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1319275	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	977484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	389378	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	393734	33.59	ug/l	0.00
Spiked Amount			Recovery	=	67.18%	
35) Dibromofluoromethane	6.93	113	436581	33.22	ug/l	0.02
Spiked Amount			Recovery	=	66.44%	
50) Toluene-d8	10.41	98	833320	29.52	ug/l	0.00
Spiked Amount			Recovery	=	59.04%	
62) 4-Bromofluorobenzene	13.56	95	322547	24.70	ug/l	0.00
Spiked Amount			Recovery	=	49.40%	

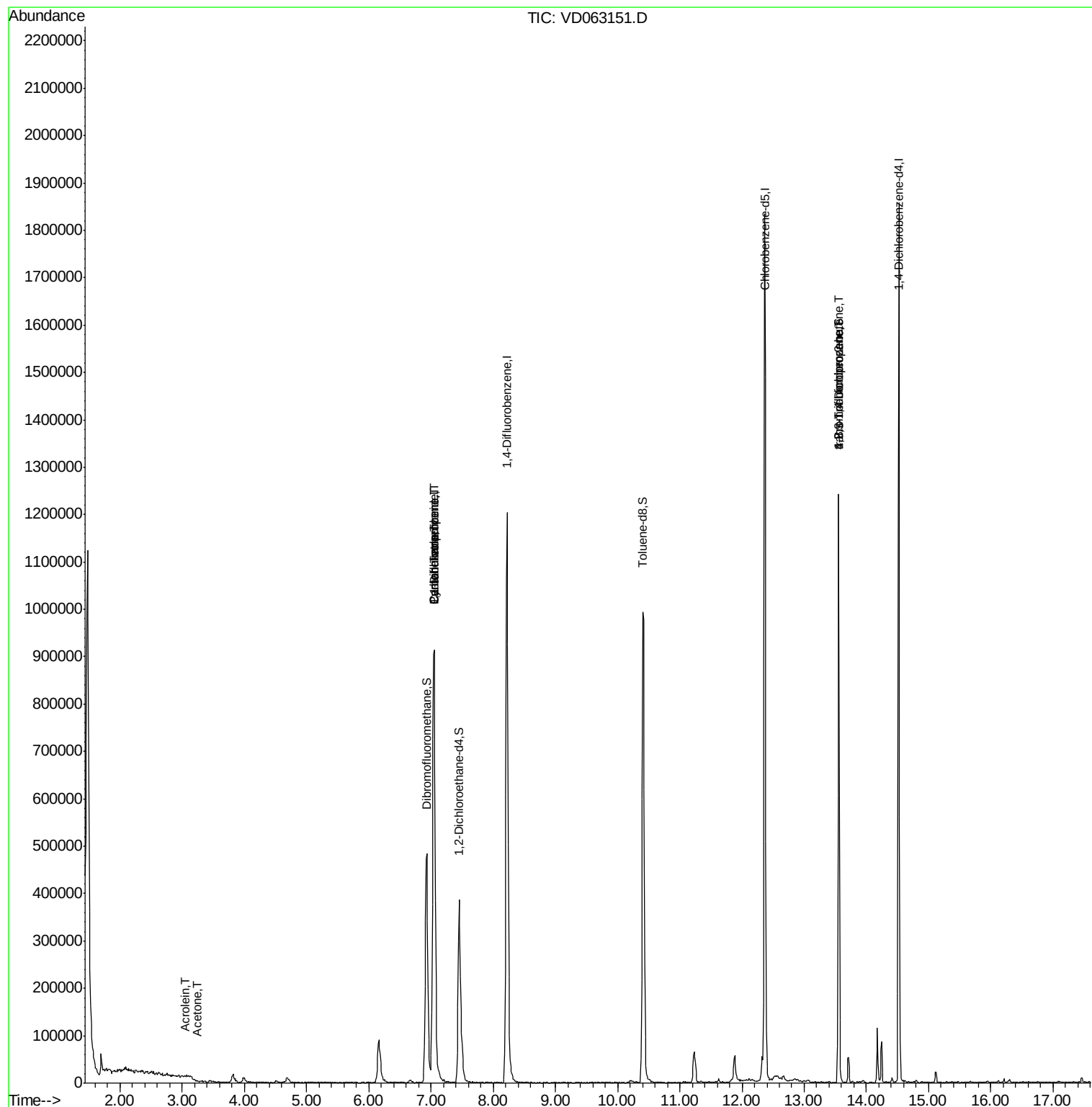
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1531	Below Cal	#	43
3) Chloromethane	1.75	50	665	Below Cal	#	48
5) Bromomethane	2.14	94	1166	Below Cal	#	13
13) Acrolein	3.05	56	261	1.278	ug/l #	61
16) Acetone	3.23	43	5738	2.027	ug/l #	62
18) Methyl Acetate	3.65	43	773	Below Cal	#	63
31) Cyclohexane	7.04	56	19926	1.786	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	73646	4.963	ug/l #	45
38) Carbon Tetrachloride	7.05	117	90814	4.028	ug/l #	15
76) 1,2,3-Trichloropropane	13.56	75	104326	17.417	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	147576	93.561	ug/l #	1

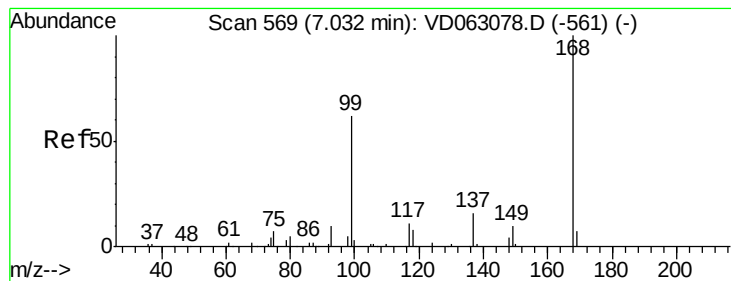
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
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QLast Update : Tue Jul 16 08:11:56 2019
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: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

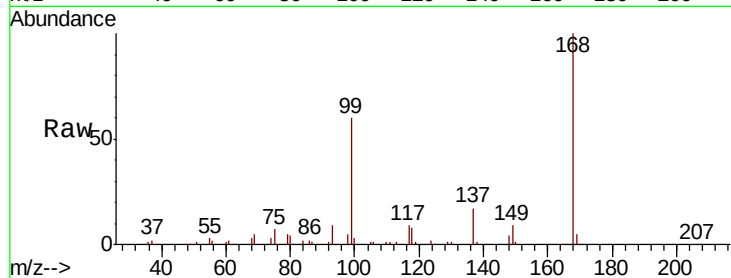
SB-1(0-2)RE

Tot Ion:168 Resp: 940885

Ion Ratio Lower Upper

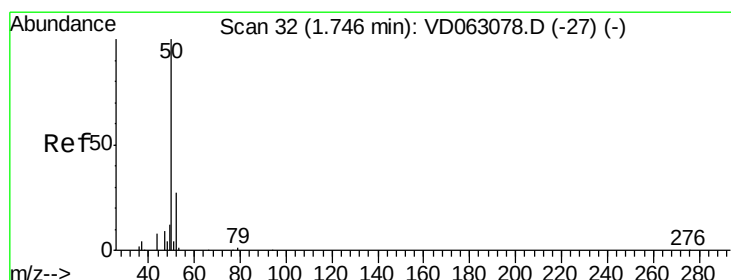
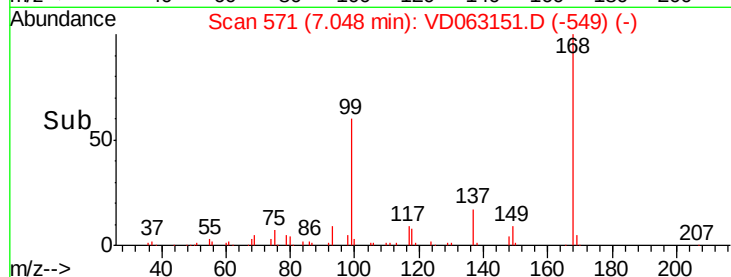
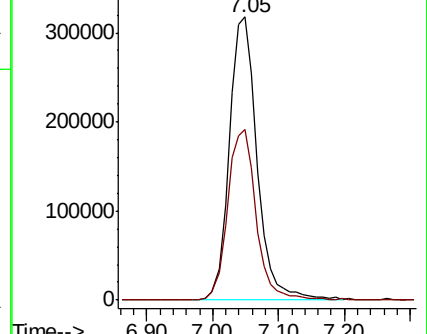
168 100

99 60.5 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: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063151.D

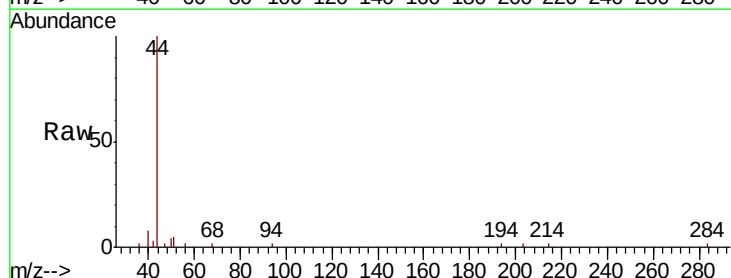
Acq: 19 Jul 2019 14:02

Tgt Ion: 50 Resp: 665

Ion Ratio Lower Upper

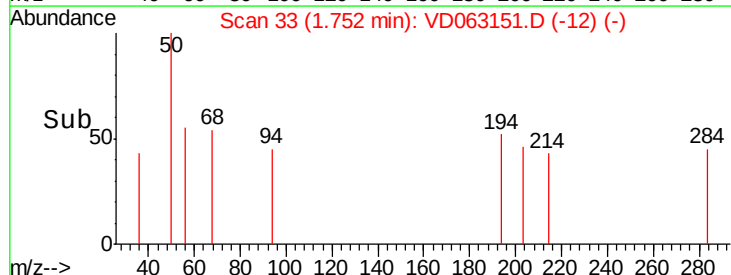
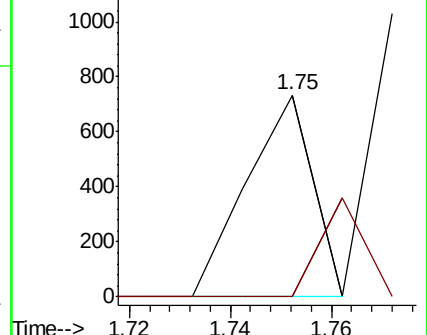
50 100

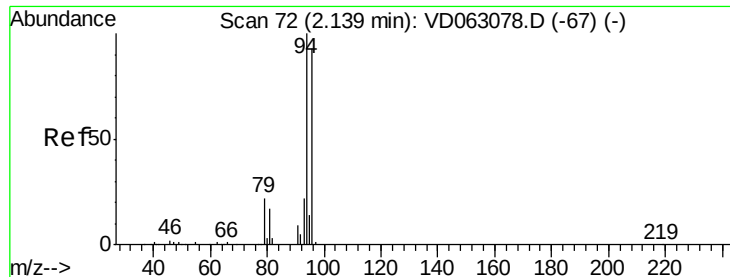
52 0.0 21.4 32.2#



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: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

SB-1(0-2)RE

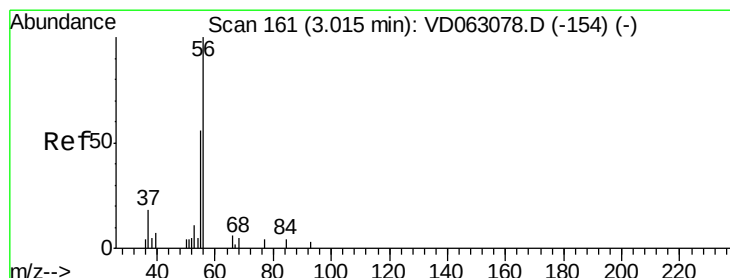
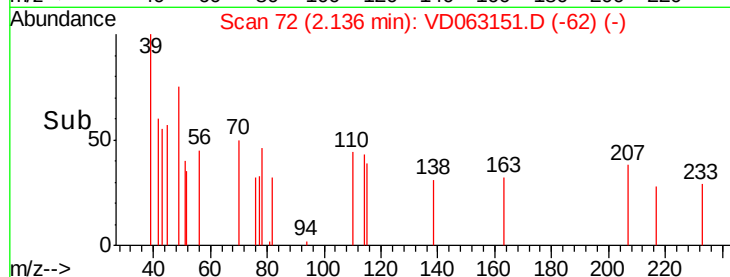
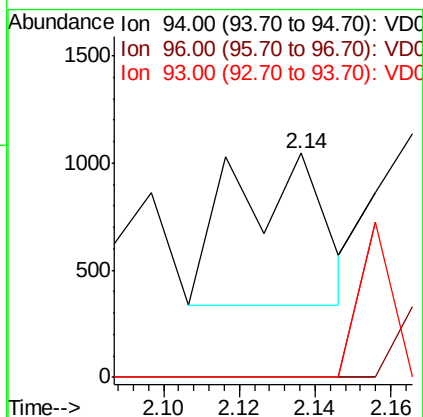
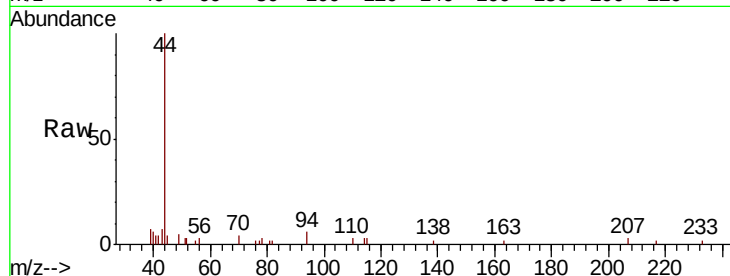
Tot Ion: 94 Resp: 1166

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#13

Acrolein

Concen: 1.278 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.04 min

Lab File: VD063151.D

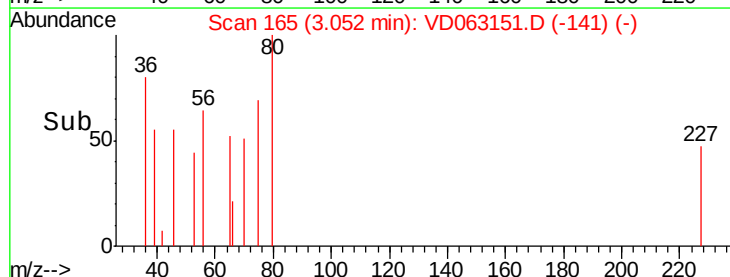
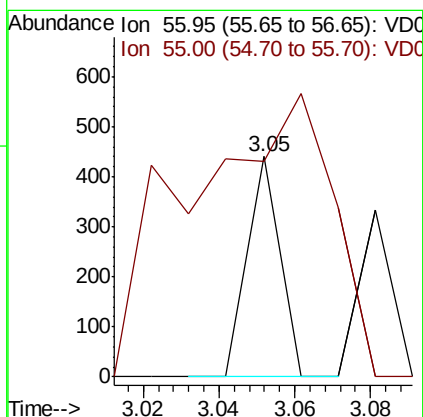
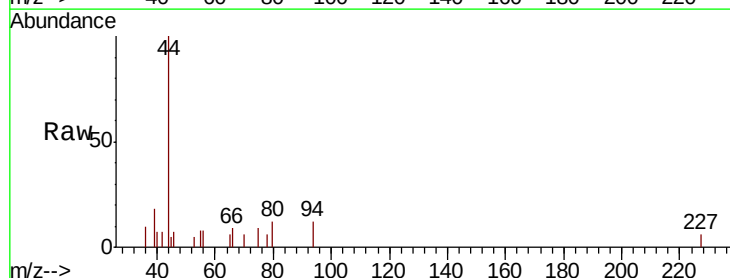
Acq: 19 Jul 2019 14:02

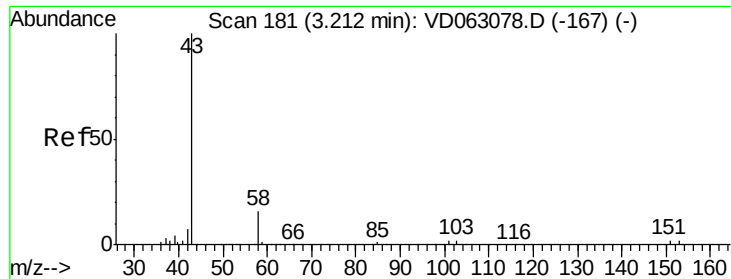
Tgt Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 97.5 53.0 79.4#





#16

Acetone

Concen: 2.027 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

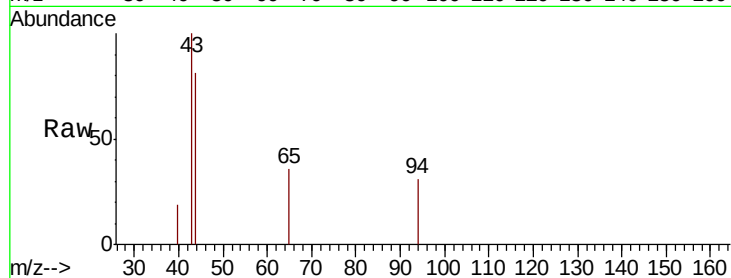
SB-1(0-2)RE

Tot Ion: 43 Resp: 5738

Ion Ratio Lower Upper

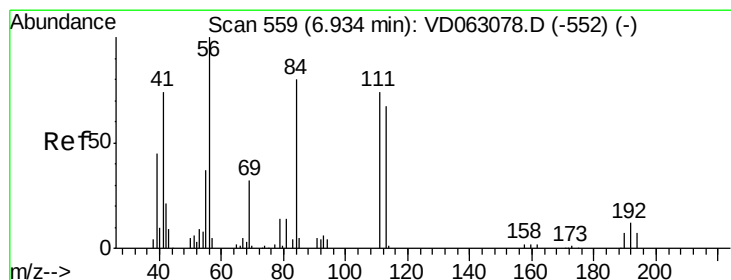
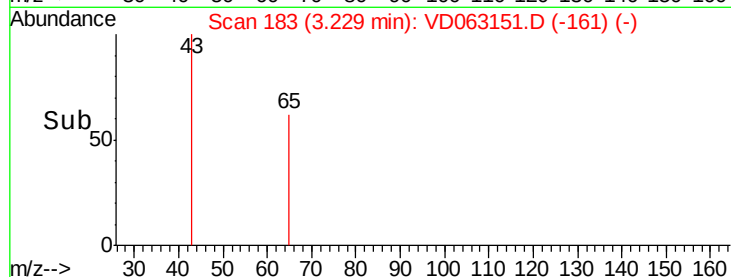
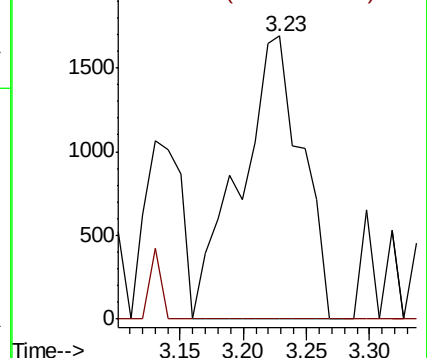
43 100

58 0.0 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: 1.786 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.11 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

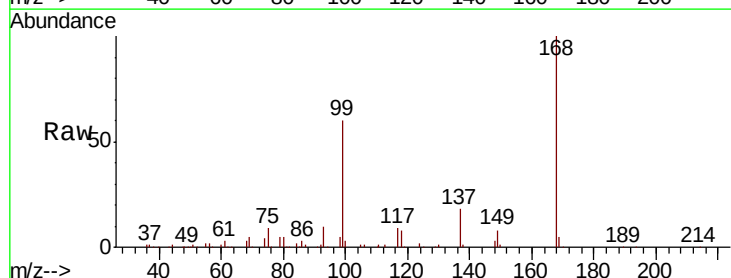
Tgt Ion: 56 Resp: 19926

Ion Ratio Lower Upper

56 100

69 235.4 25.3 37.9#

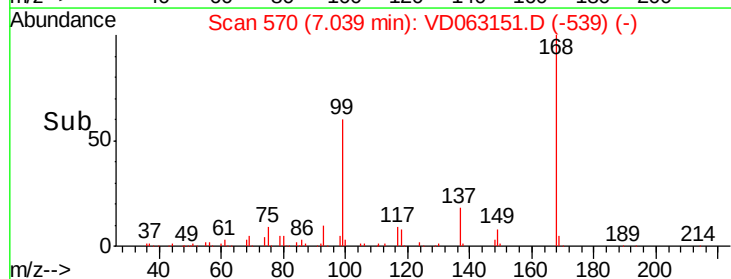
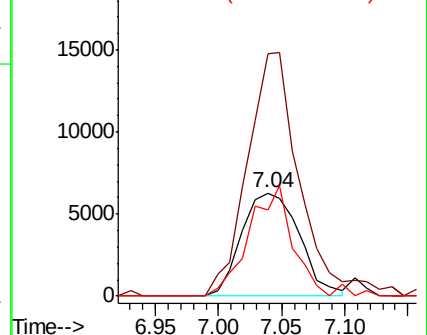
84 83.1 64.2 96.4

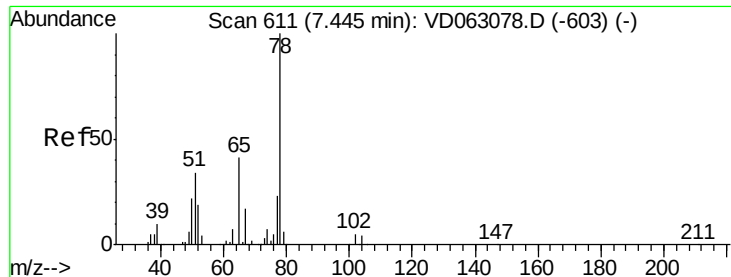


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 33.594 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

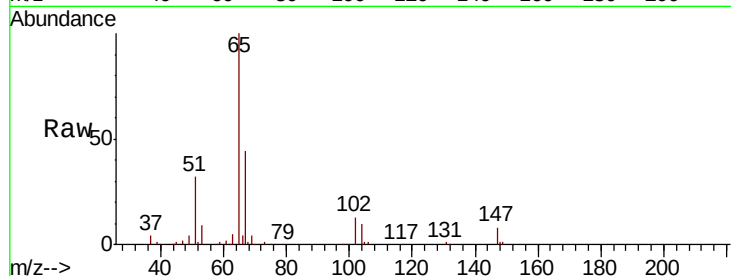
SB-1(0-2)RE

Tot Ion: 65 Resp: 393734

Ion Ratio Lower Upper

65 100

67 43.9 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

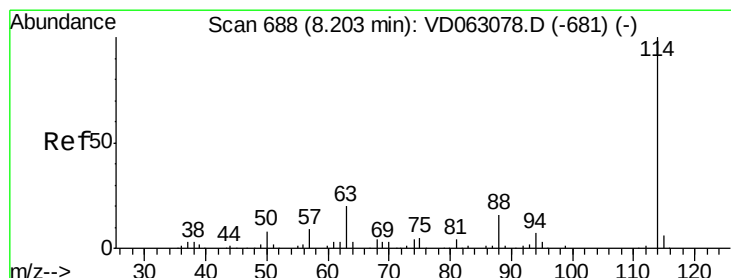
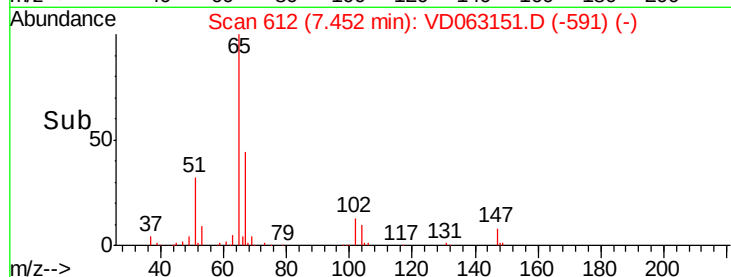
100000

50000

0

Time-->

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. 0.02 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

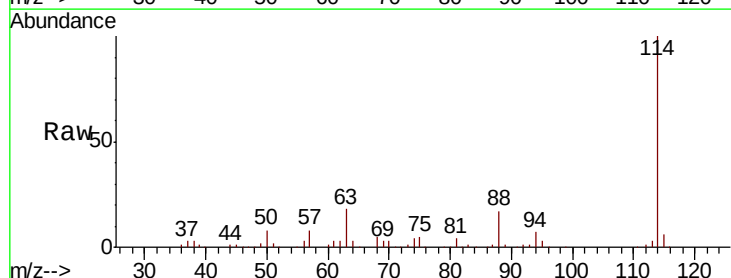
Tgt Ion: 114 Resp: 1319275

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.6

88 16.6 0.0 32.6



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

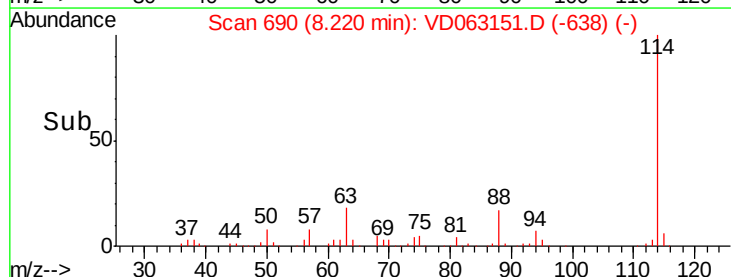
400000

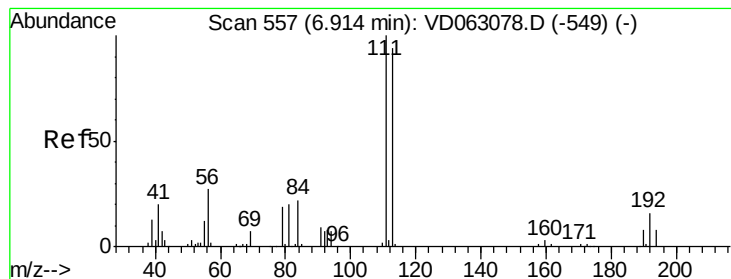
200000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 33.225 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

SB-1(0-2)RE

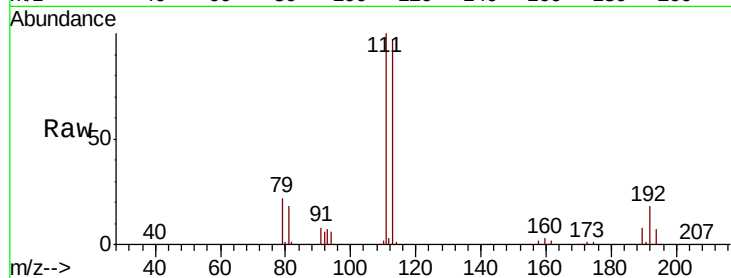
Tot Ion:113 Resp: 436581

Ion Ratio Lower Upper

113 100

111 103.5 84.8 127.2

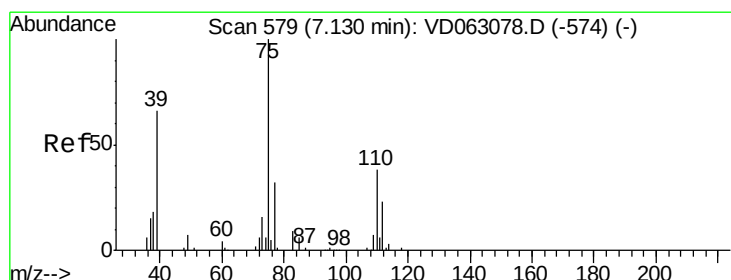
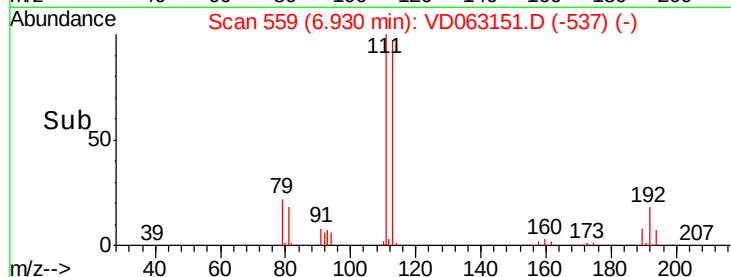
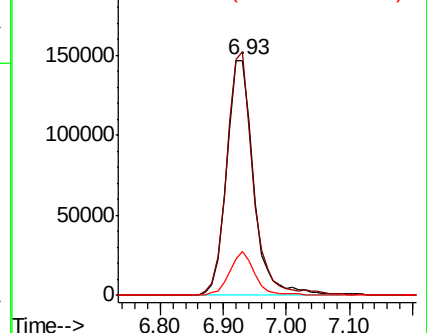
192 18.9 13.4 20.0



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: 4.963 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

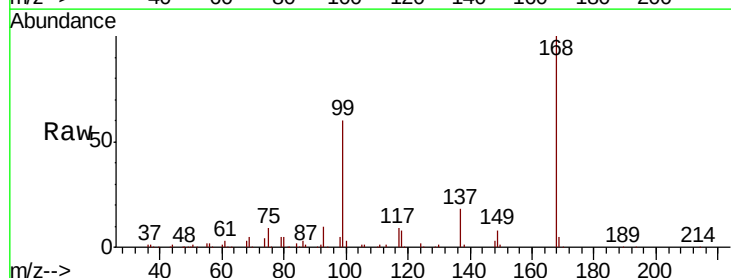
Tgt Ion: 75 Resp: 73646

Ion Ratio Lower Upper

75 100

110 5.4 18.9 56.5#

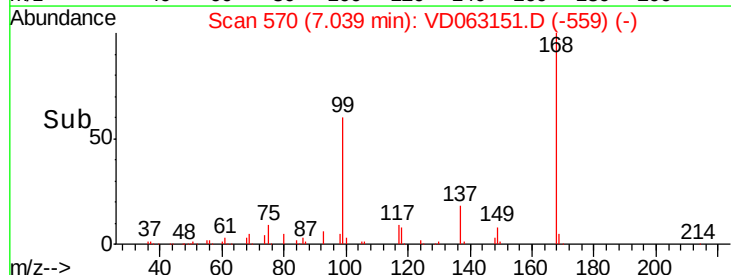
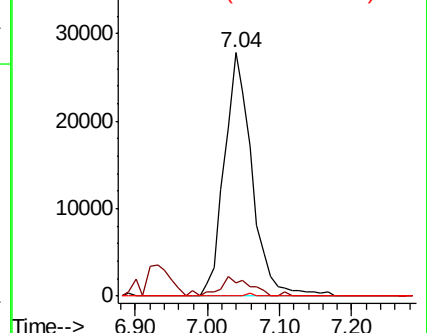
77 0.0 25.2 37.8#

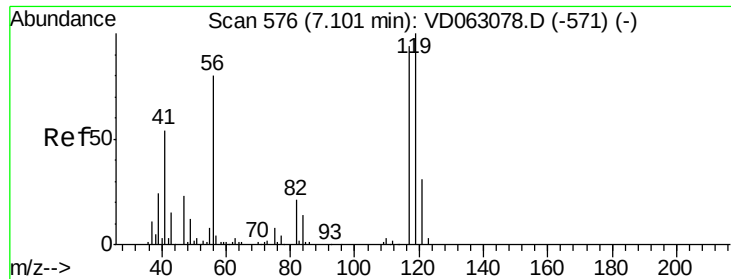


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

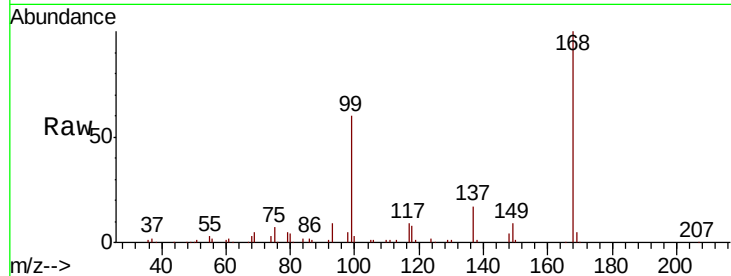




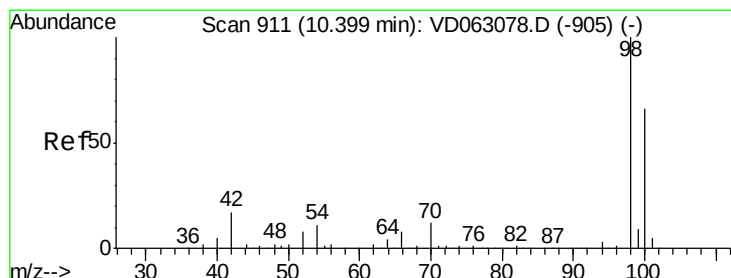
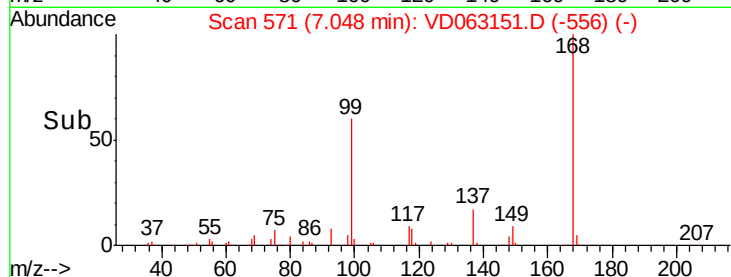
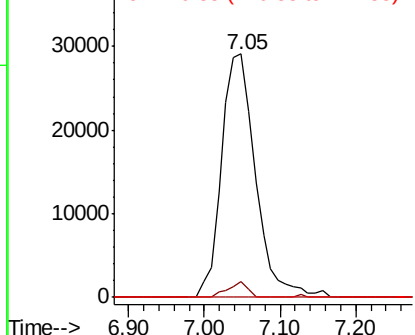
#38
Carbon Tetrachloride
Concen: 4.028 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD063151.D
Acq: 19 Jul 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
SB-1(0-2)RE

Tot Ion:117 Resp: 90814
Ion Ratio Lower Upper
117 100
119 6.5 80.0 120.0#
121 0.0 25.0 37.4#

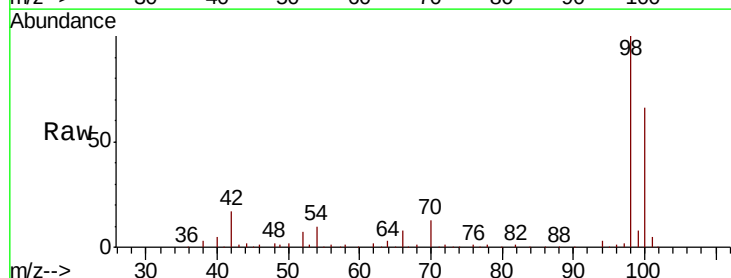


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

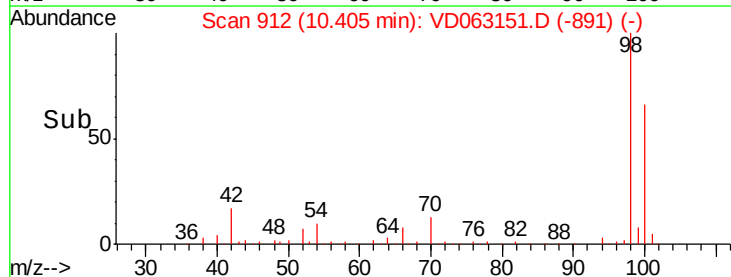
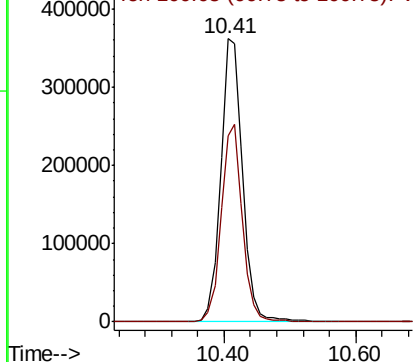


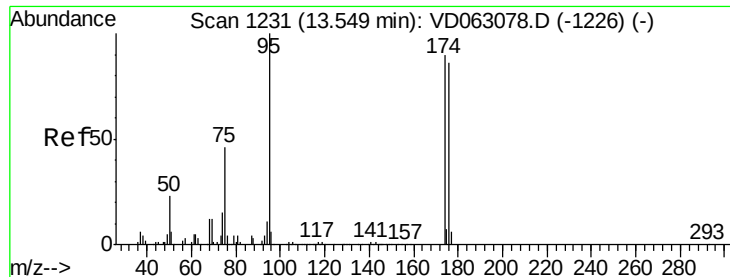
#50
Toluene-d8
Concen: 29.524 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063151.D
Acq: 19 Jul 2019 14:02

Tgt Ion: 98 Resp: 833320
Ion Ratio Lower Upper
98 100
100 65.6 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: 24.701 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

SB-1(0-2)RE

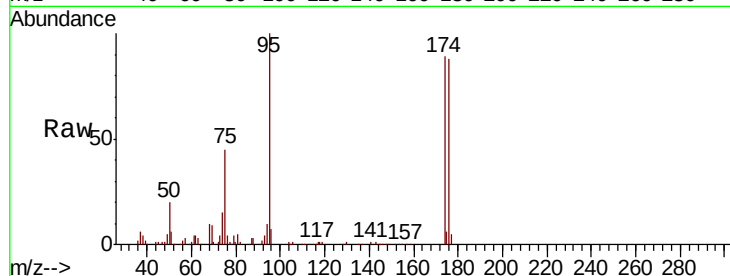
Tot Ion: 95 Resp: 322547

Ion Ratio Lower Upper

95 100

174 89.0 0.0 180.6

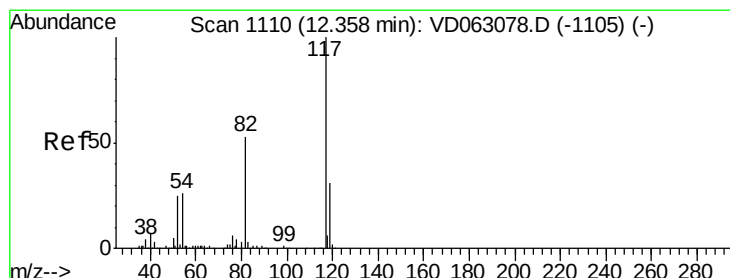
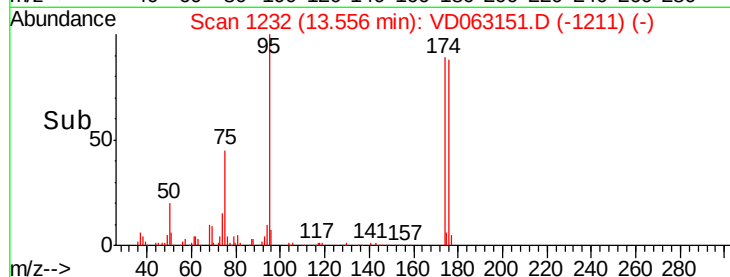
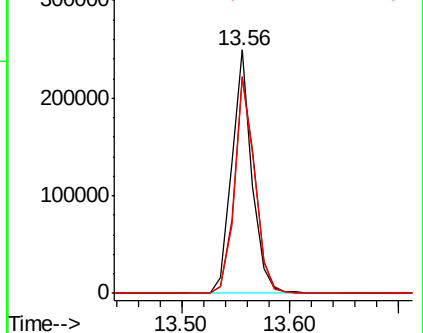
176 88.2 0.0 172.2



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: 12.36 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

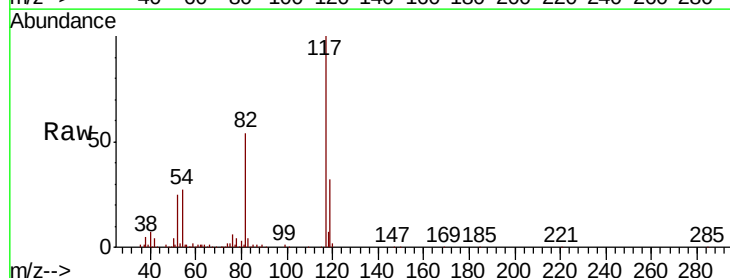
Tgt Ion: 117 Resp: 977484

Ion Ratio Lower Upper

117 100

82 54.4 42.3 63.5

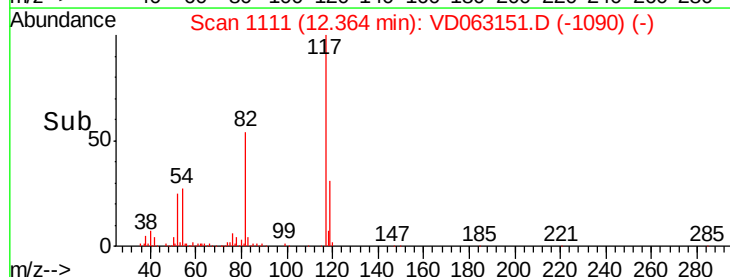
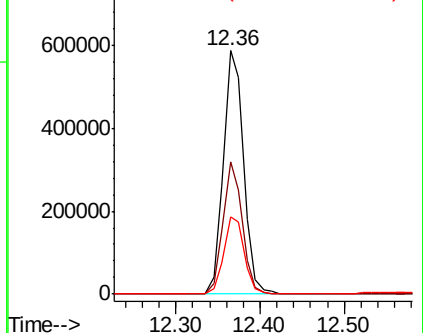
119 31.7 25.2 37.8

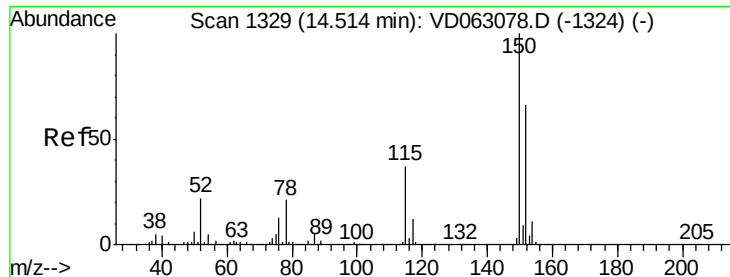


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

SB-1(0-2)RE

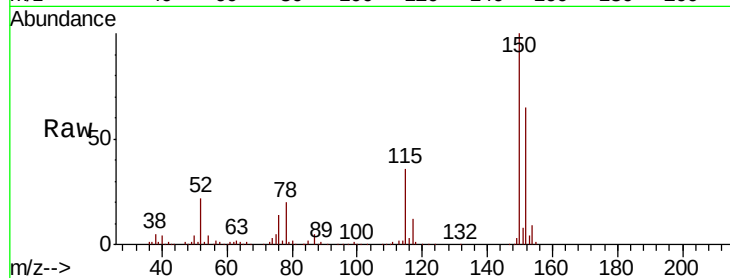
Tot Ion:152 Resp: 389378

Ion Ratio Lower Upper

152 100

115 55.7 28.9 86.8

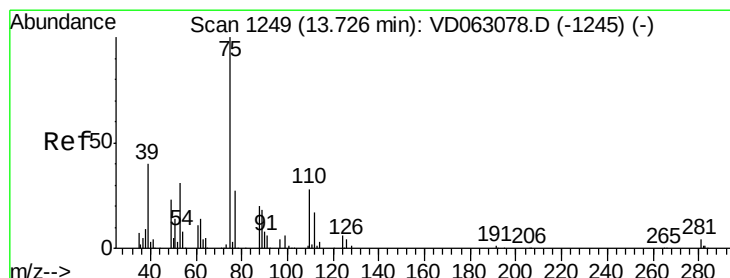
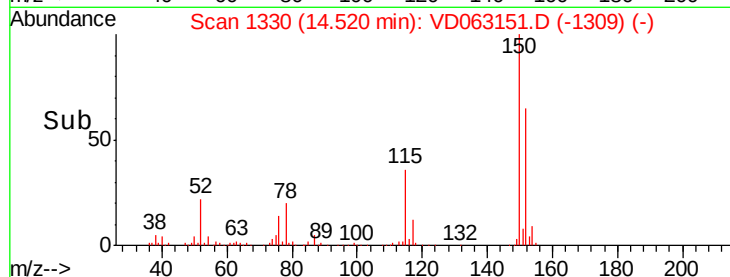
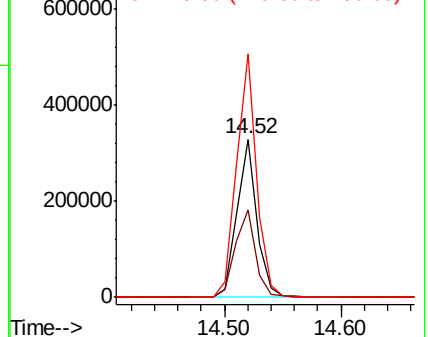
150 154.2 0.0 313.8



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



#76

1,2,3-Trichloropropane

Concen: 17.417 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063151.D

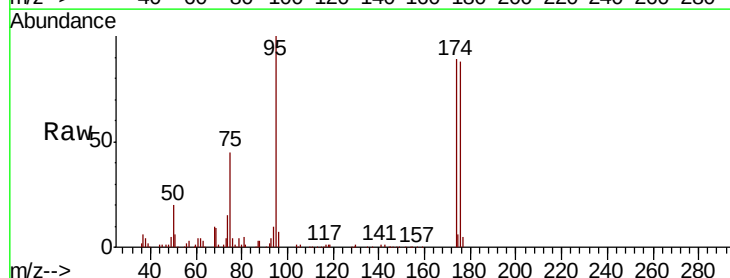
Acq: 19 Jul 2019 14:02

Tgt Ion: 75 Resp: 104326

Ion Ratio Lower Upper

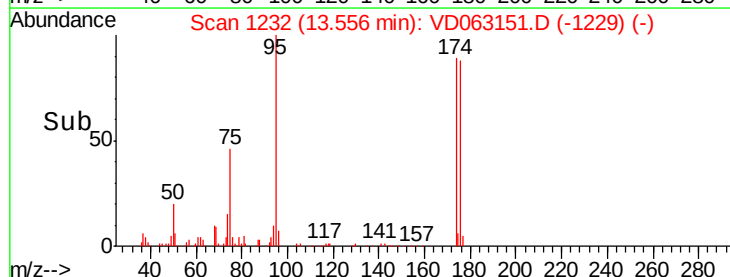
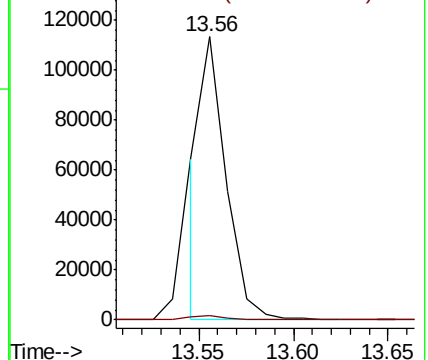
75 100

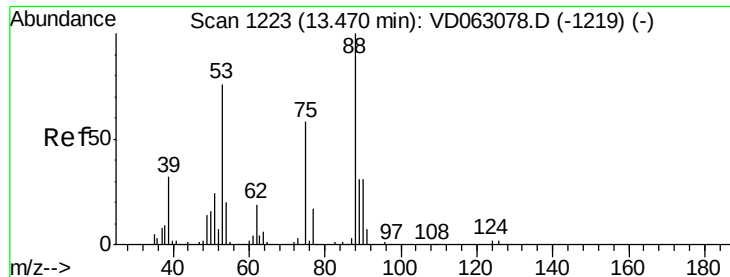
77 1.7 16.3 48.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 93.561 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

SB-1(0-2)RE

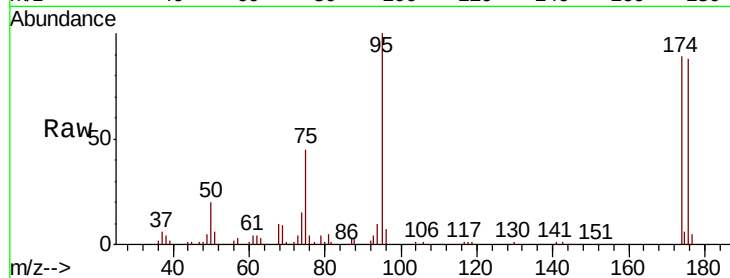
Tot Ion: 75 Resp: 147576

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): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

