

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063278.D
 Acq On : 31 Jul 2019 14:53
 Operator : VA/AP
 Sample : K4074-08
 Misc : 3.93g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-08_072919

Quant Time: Aug 01 04:02:56 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	7.04	168	988319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1285561	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	994684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	484744	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	442862	40.38	ug/l	0.00
Spiked Amount						
			Recovery	=	80.76%	
35) Dibromofluoromethane	6.92	113	498937	45.46	ug/l	0.01
Spiked Amount						
			Recovery	=	90.92%	
50) Toluene-d8	10.40	98	1010725	41.15	ug/l	0.00
Spiked Amount						
			Recovery	=	82.30%	
62) 4-Bromofluorobenzene	13.55	95	400973	35.82	ug/l	0.00
Spiked Amount						
			Recovery	=	71.64%	

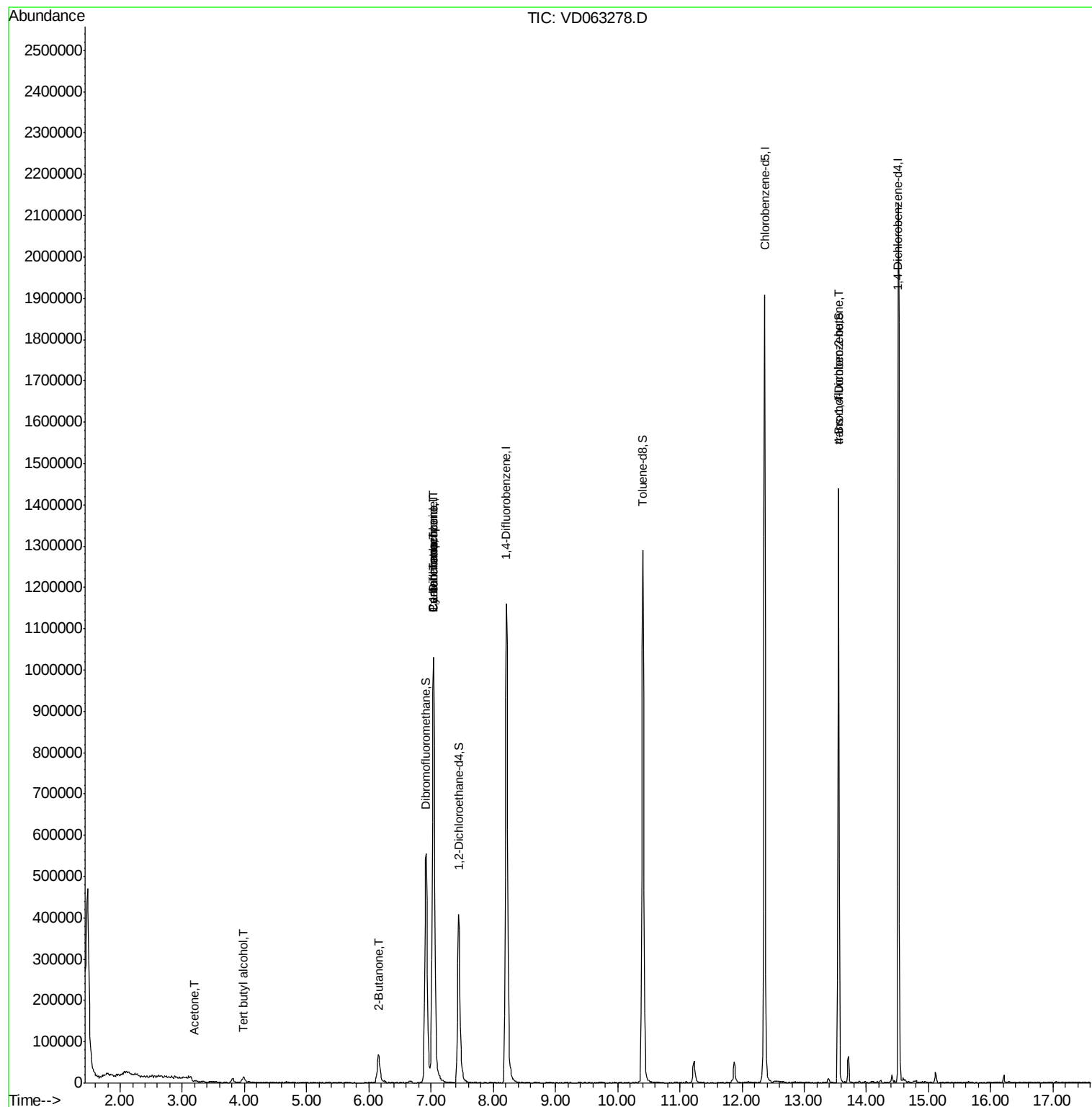
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	10229	21.255	ug/l #	69
16) Acetone	3.21	43	6533	3.058	ug/l	100
25) 2-Butanone	6.14	43	4757	2.218	ug/l #	56
31) Cyclohexane	7.04	56	20667	2.116	ug/l #	14
36) 1,1-Dichloropropene	7.04	75	76884	6.553	ug/l #	59
38) Carbon Tetrachloride	7.04	117	99734	5.647	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	190682	117.941	ug/l #	3

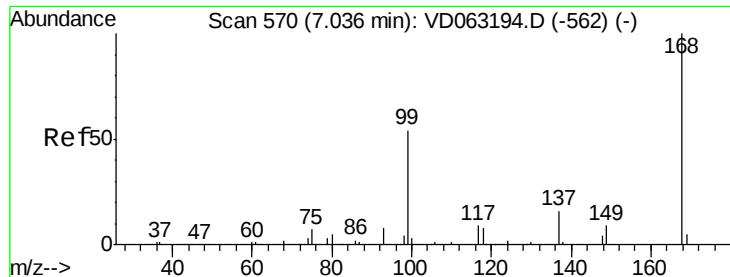
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063278.D

Acq: 31 Jul 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

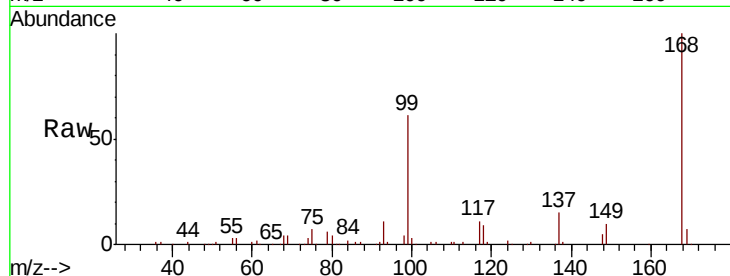
SS-08_072919

Tot Ion:168 Resp: 988319

Ion Ratio Lower Upper

168 100

99 60.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

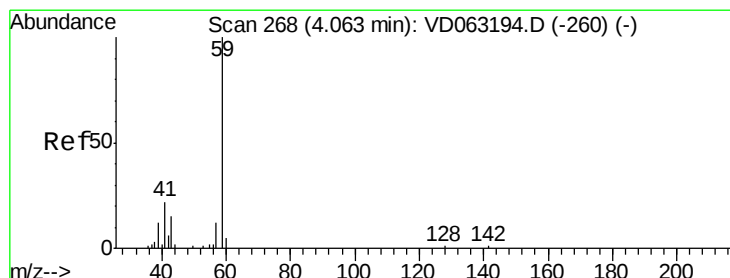
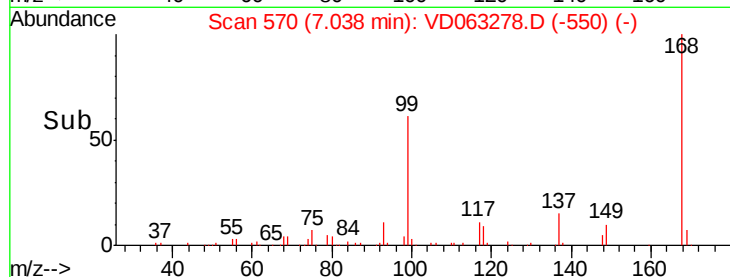
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 21.255 ug/l

RT: 3.98 min Scan# 259

Delta R.T. -0.09 min

Lab File: VD063278.D

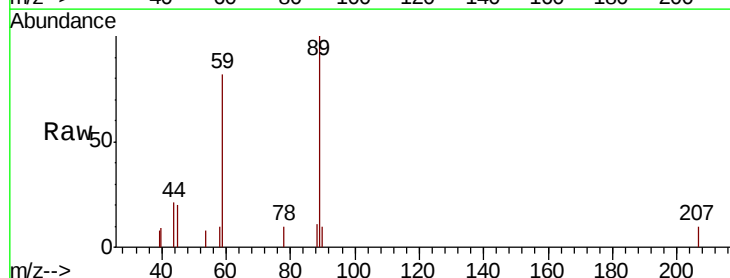
Acq: 31 Jul 2019 14:53

Tgt Ion: 59 Resp: 10229

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.98

3000

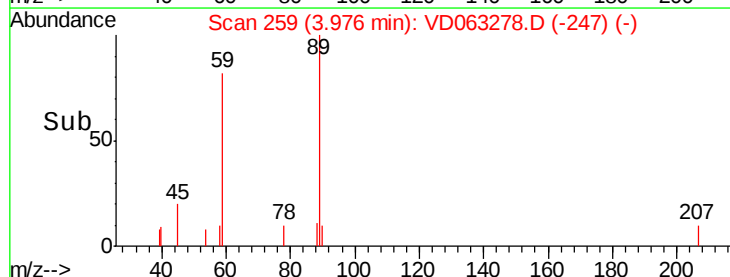
2000

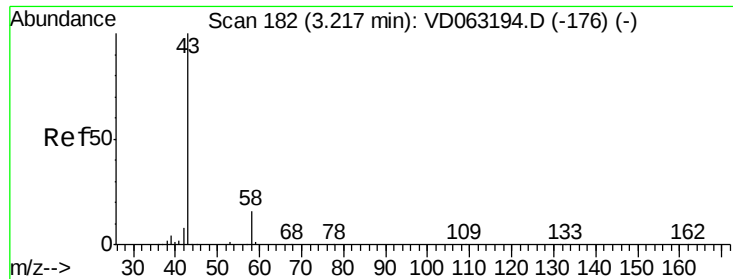
1000

0

Time-->

3.90 3.95 4.00 4.05





#16

Acetone

Concen: 3.058 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063278.D

Acq: 31 Jul 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

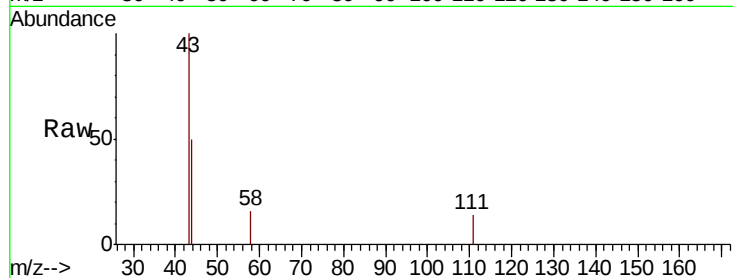
SS-08_072919

Tot Ion: 43 Resp: 6533

Ion Ratio Lower Upper

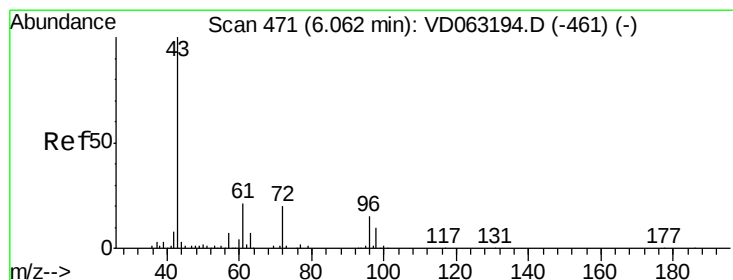
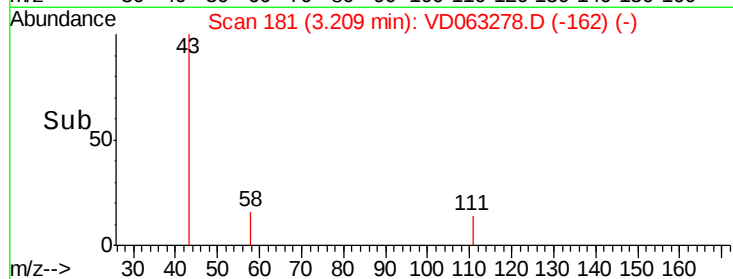
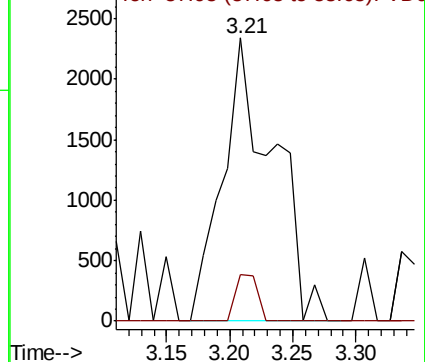
43 100

58 16.2 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 2.218 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.08 min

Lab File: VD063278.D

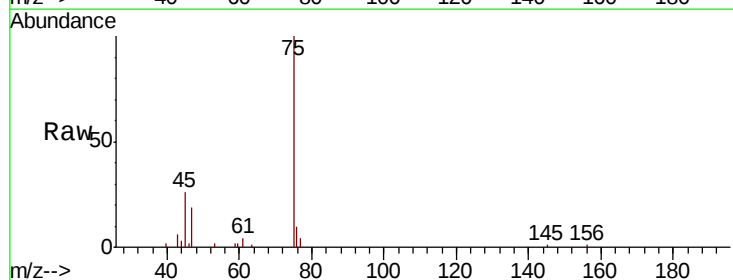
Acq: 31 Jul 2019 14:53

Tgt Ion: 43 Resp: 4757

Ion Ratio Lower Upper

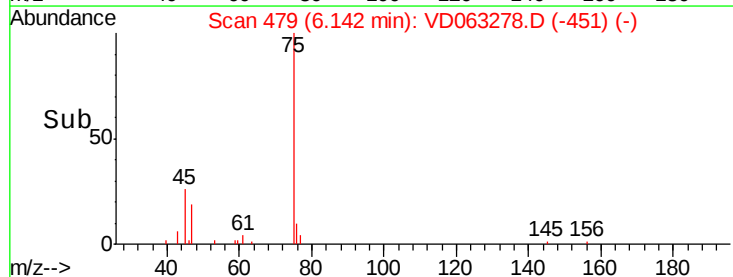
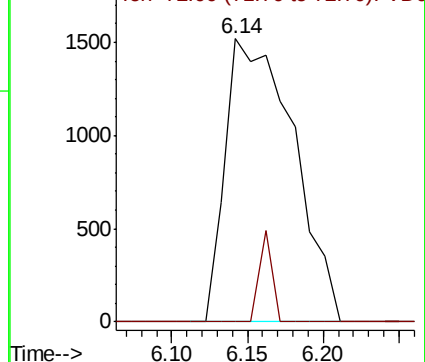
43 100

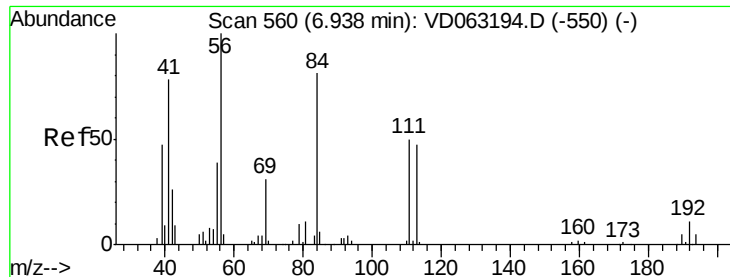
72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

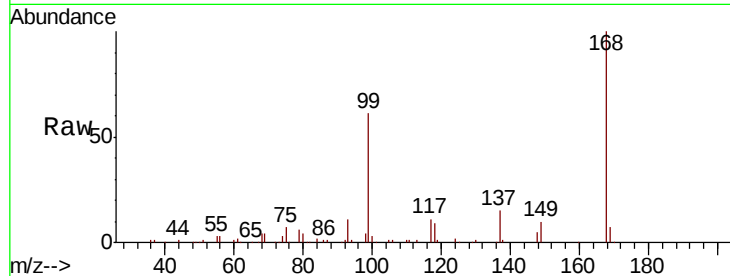




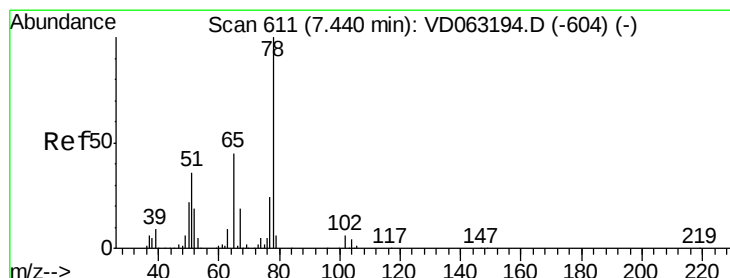
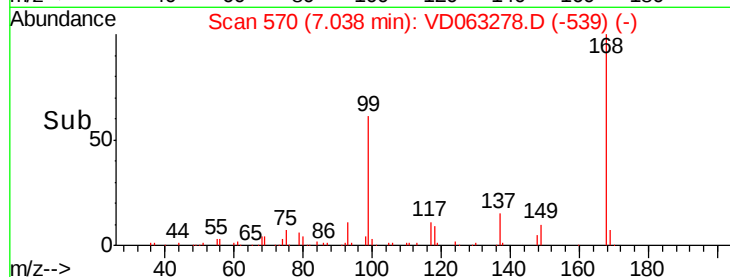
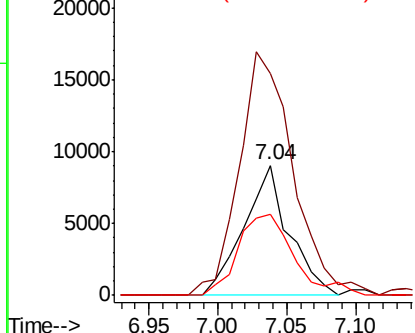
#31
Cyclohexane
Concen: 2.116 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063278.D
Acq: 31 Jul 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
SS-08_072919

Tot Ion: 56 Resp: 20667
Ion Ratio Lower Upper
56 100
69 171.2 24.5 36.7#
84 62.0 64.9 97.3#

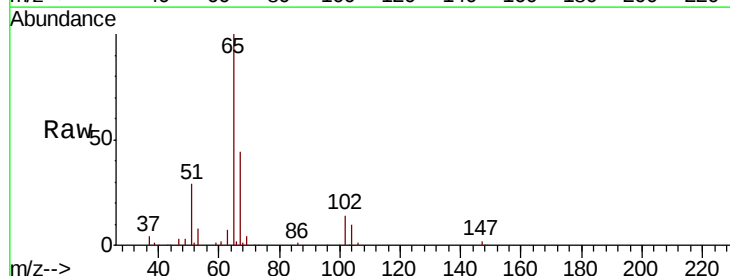


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

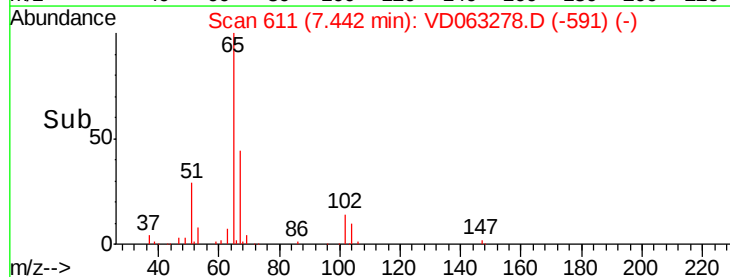
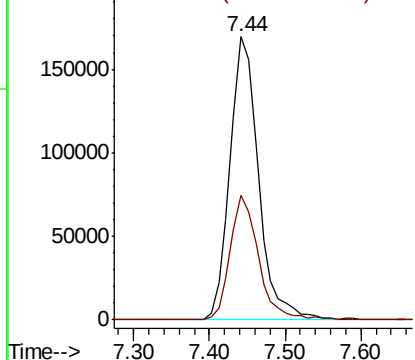


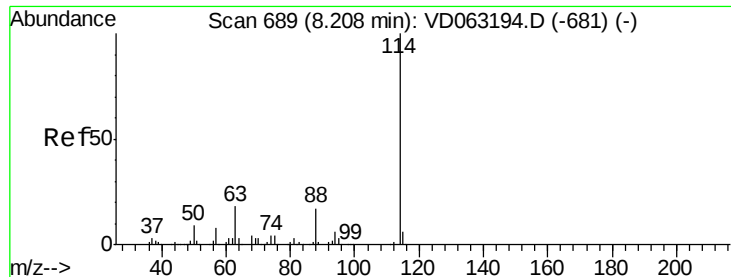
#33
1,2-Dichloroethane-d4
Concen: 40.384 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063278.D
Acq: 31 Jul 2019 14:53

Tgt Ion: 65 Resp: 442862
Ion Ratio Lower Upper
65 100
67 44.3 0.0 85.8



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: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063278.D

Acq: 31 Jul 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

SS-08_072919

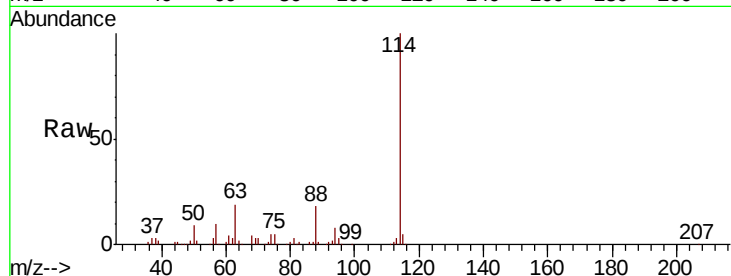
Tot Ion:114 Resp: 1285561

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.2

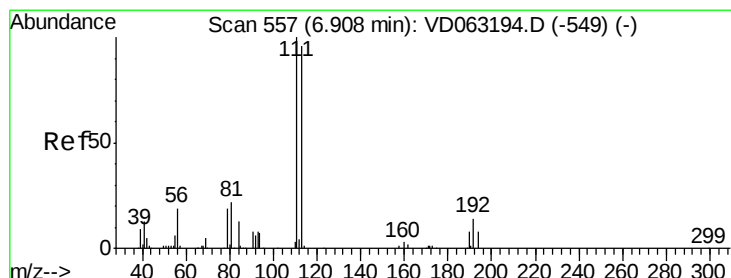
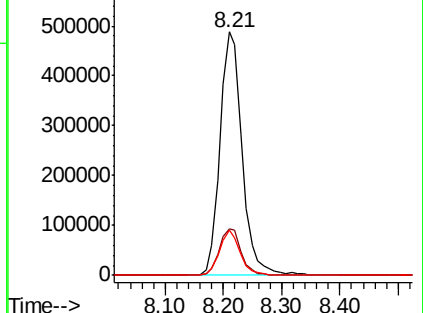
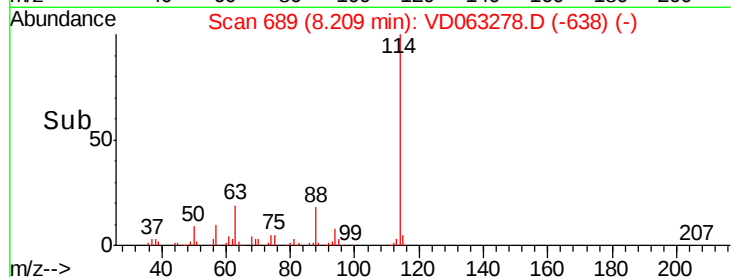
88 18.4 0.0 34.6



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: 45.457 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063278.D

Acq: 31 Jul 2019 14:53

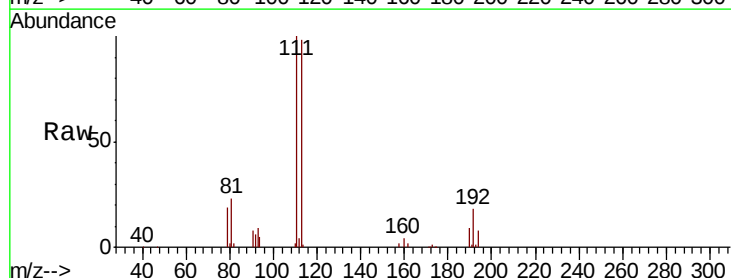
Tgt Ion:113 Resp: 498937

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

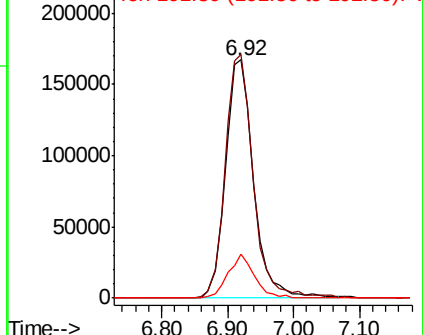
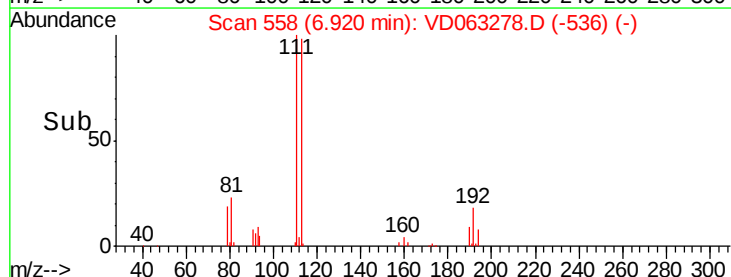
192 18.3 11.8 17.8#

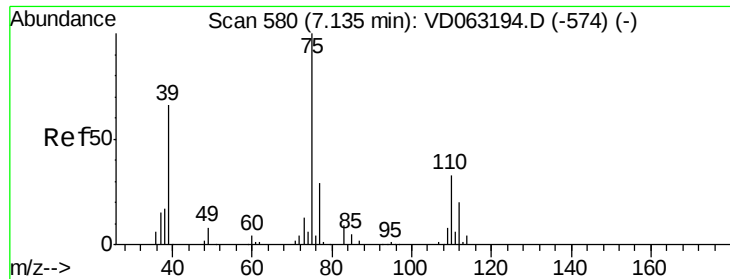


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.553 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063278.D

Acq: 31 Jul 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

SS-08_072919

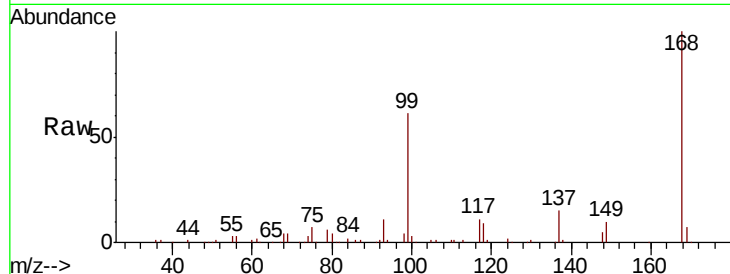
Tot Ion: 75 Resp: 76884

Ion Ratio Lower Upper

75 100

110 15.4 16.1 48.2#

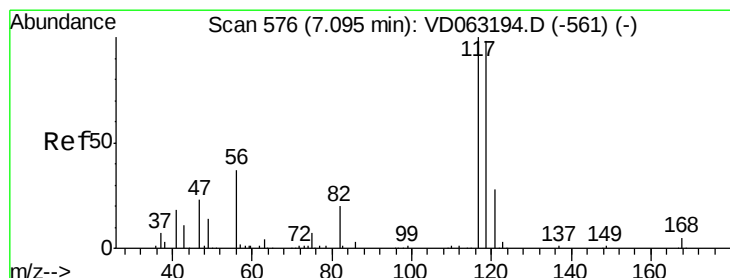
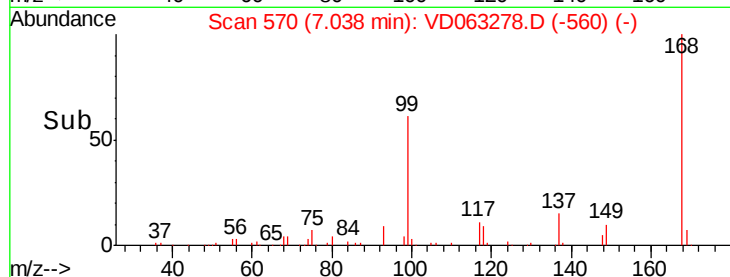
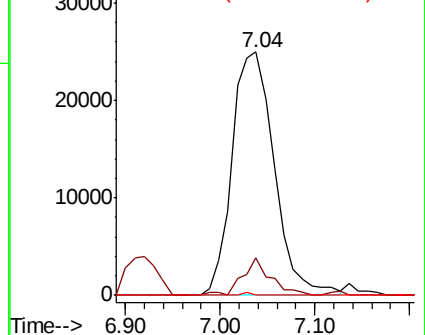
77 0.0 22.7 34.1#



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: 5.647 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063278.D

Acq: 31 Jul 2019 14:53

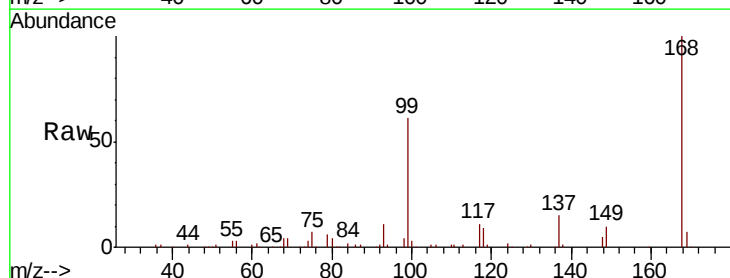
Tgt Ion: 117 Resp: 99734

Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.2#

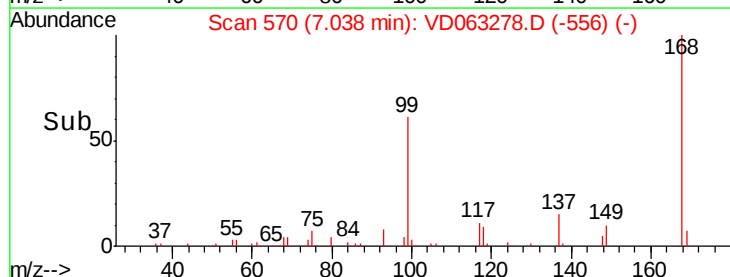
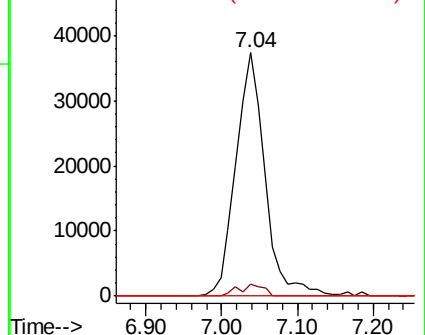
121 0.0 22.1 33.1#

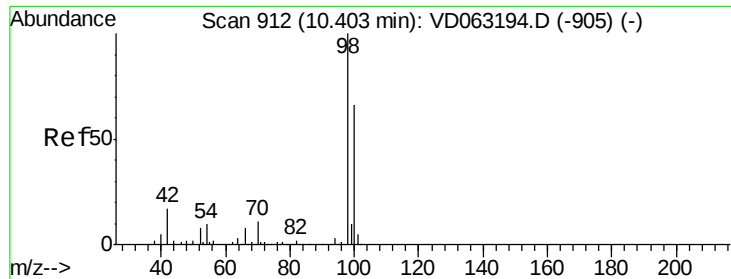


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 41.146 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063278.D

Acq: 31 Jul 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

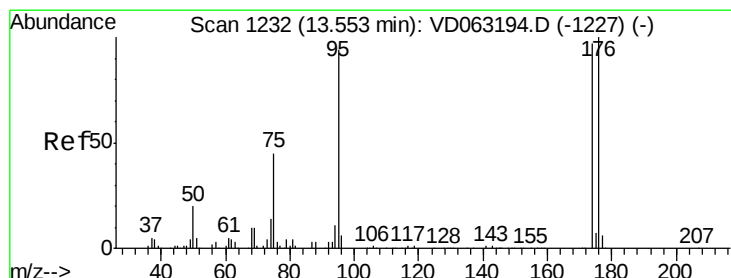
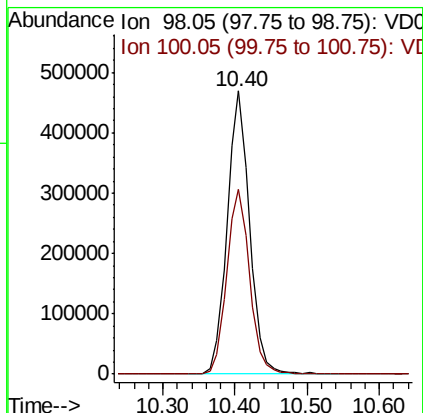
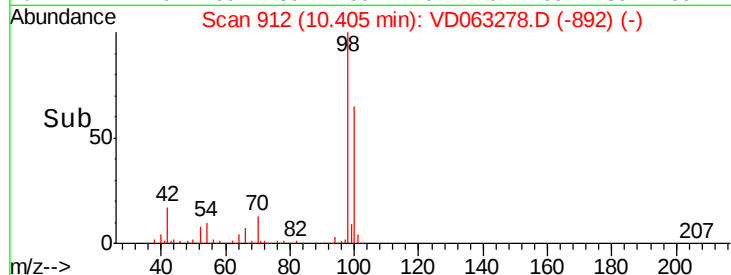
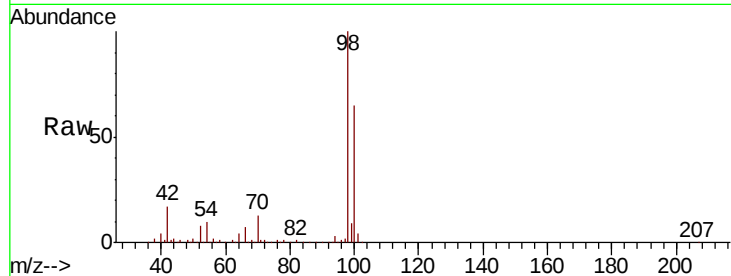
SS-08_072919

Tot Ion: 98 Resp: 1010725

Ion Ratio Lower Upper

98 100

100 65.3 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 35.821 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063278.D

Acq: 31 Jul 2019 14:53

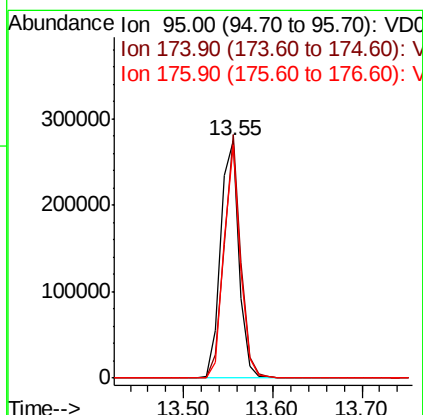
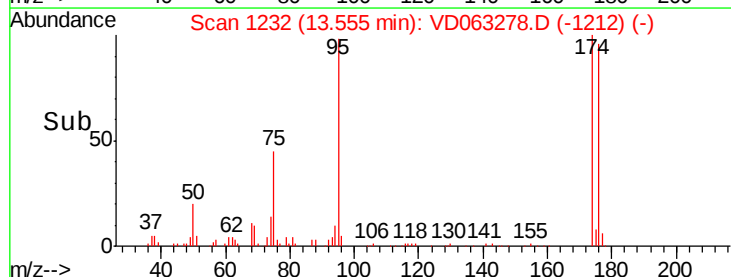
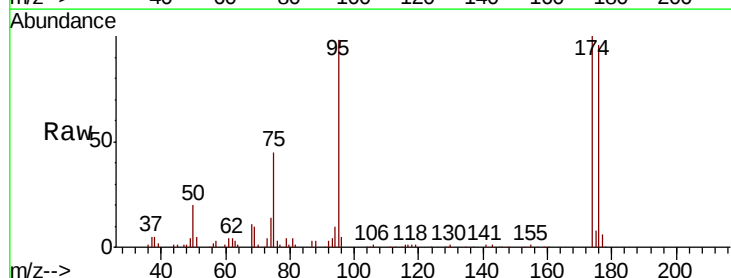
Tgt Ion: 95 Resp: 400973

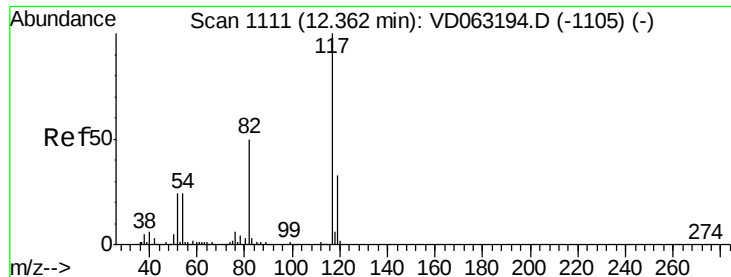
Ion Ratio Lower Upper

95 100

174 102.5 0.0 205.4

176 98.3 0.0 211.8

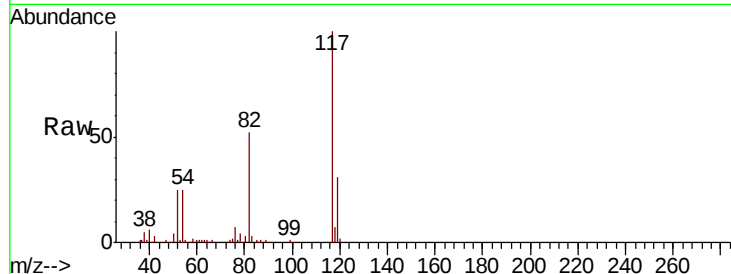




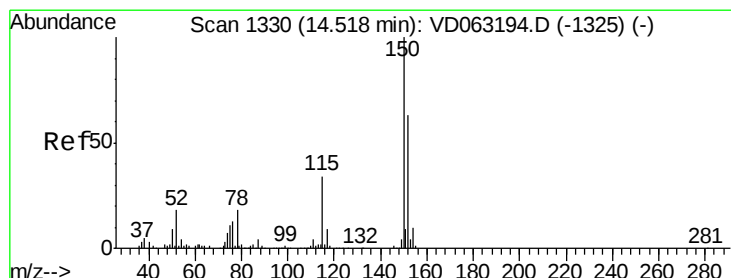
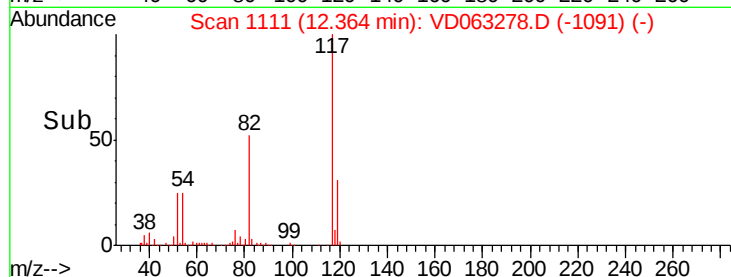
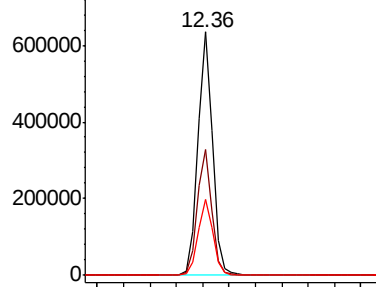
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063278.D
Acq: 31 Jul 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
SS-08_072919

Tot Ion:117 Resp: 994684
Ion Ratio Lower Upper
117 100
82 51.9 40.1 60.1
119 31.2 26.5 39.7

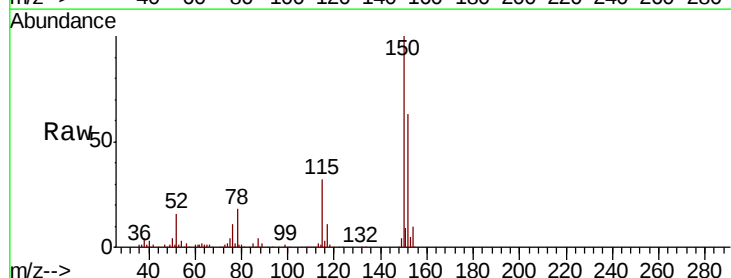


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

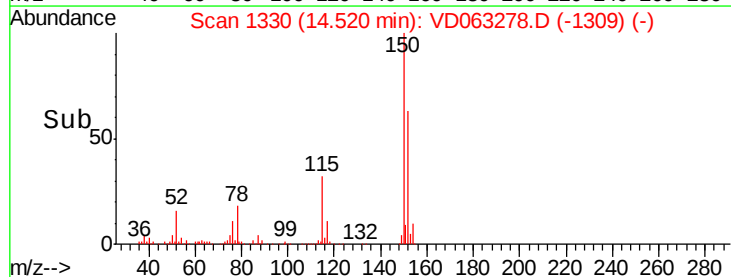
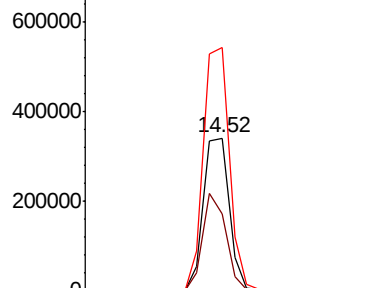


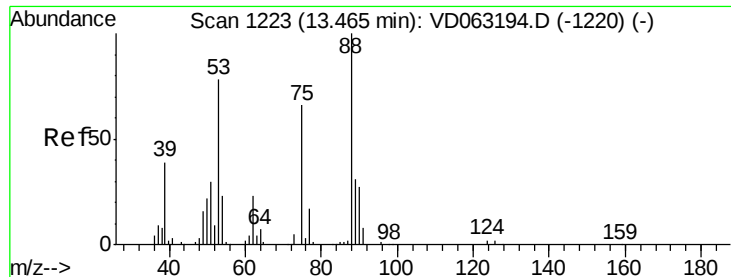
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063278.D
Acq: 31 Jul 2019 14:53

Tgt Ion:152 Resp: 484744
Ion Ratio Lower Upper
152 100
115 50.8 27.5 82.4
150 158.9 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: 117.941 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063278.D

Acq: 31 Jul 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

SS-08_072919

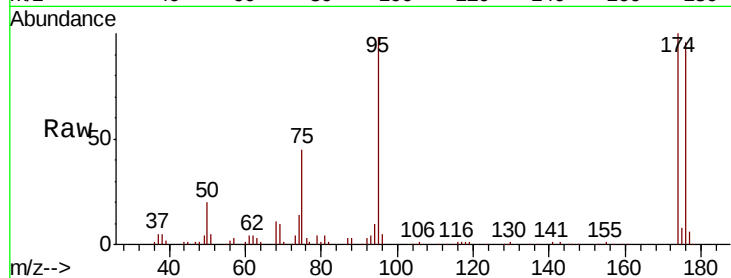
Tot Ion: 75 Resp: 190682

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

