

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063277.D
 Acq On : 31 Jul 2019 14:26
 Operator : VA/AP
 Sample : K4074-07
 Misc : 3.38g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-07_072919

Quant Time: Aug 01 04:02:44 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	901678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1098948	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	787352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	276280	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	382183	38.20	ug/l	0.00
Spiked Amount			Recovery	=	76.40%	
35) Dibromofluoromethane	6.91	113	438888	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	10.41	98	774648	36.89	ug/l	0.00
Spiked Amount			Recovery	=	73.78%	
62) 4-Bromofluorobenzene	13.55	95	232459	24.29	ug/l	0.00
Spiked Amount			Recovery	=	48.58%	

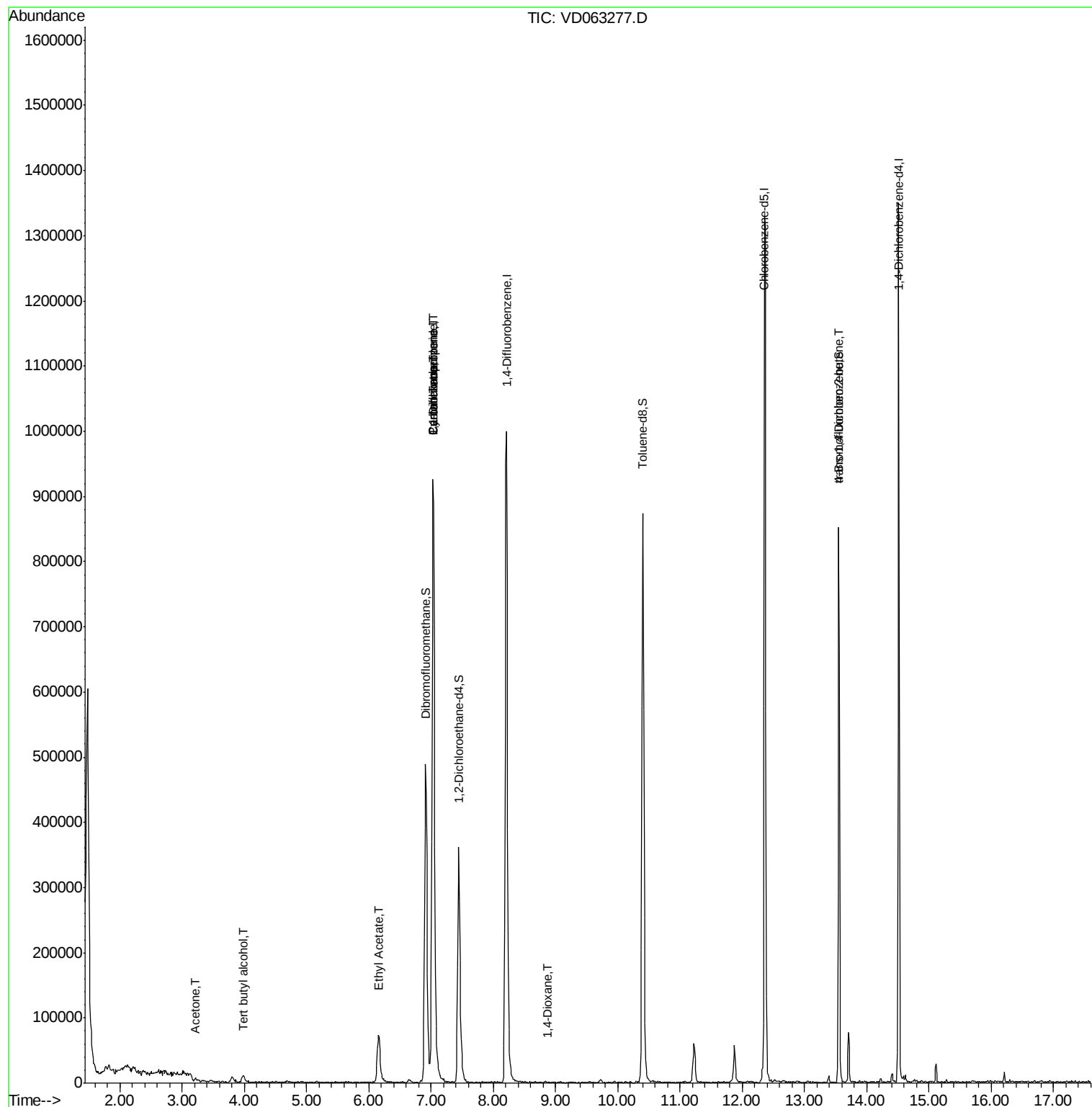
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	9224	21.008	ug/l #	69
16) Acetone	3.21	43	6973	3.577	ug/l #	62
31) Cyclohexane	7.04	56	20491	2.299	ug/l #	25
36) 1,1-Dichloropropene	7.03	75	67428	6.723	ug/l #	53
37) Ethyl Acetate	6.15	43	6505	1.444	ug/l #	57
38) Carbon Tetrachloride	7.03	117	84111	5.571	ug/l #	14
49) 1,4-Dioxane	8.87	88	185	1.741	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	110341	119.744	ug/l #	3

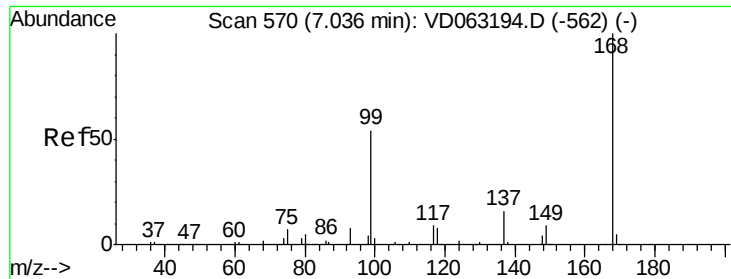
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063277.D

Acq: 31 Jul 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

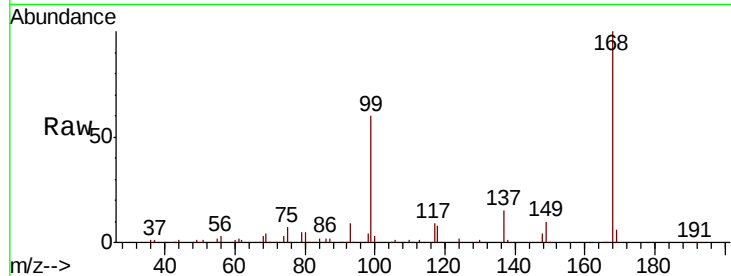
SS-07_072919

Tot Ion:168 Resp: 901678

Ion Ratio Lower Upper

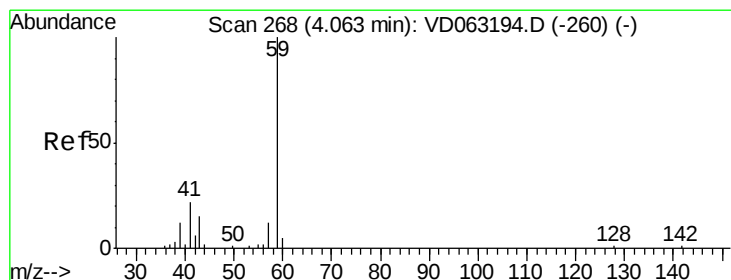
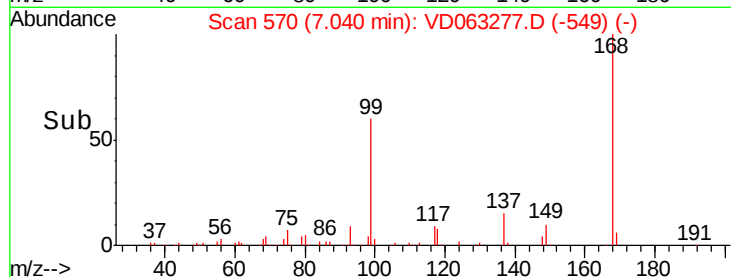
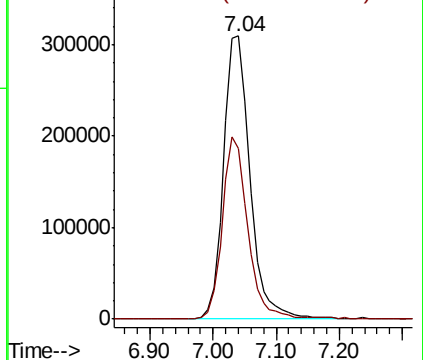
168 100

99 60.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 21.008 ug/l

RT: 3.99 min Scan# 260

Delta R.T. -0.07 min

Lab File: VD063277.D

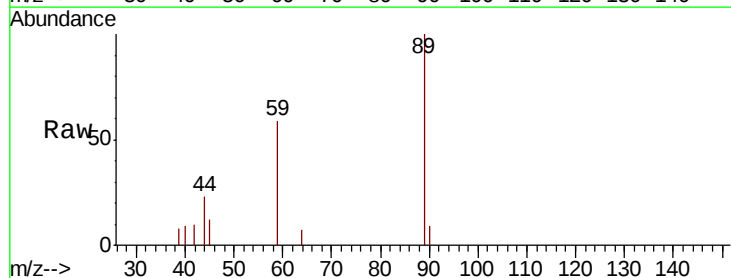
Acq: 31 Jul 2019 14:26

Tgt Ion: 59 Resp: 9224

Ion Ratio Lower Upper

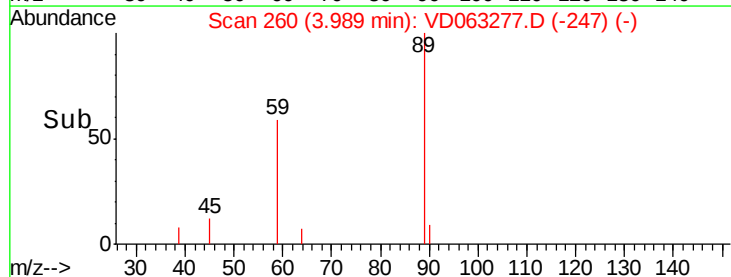
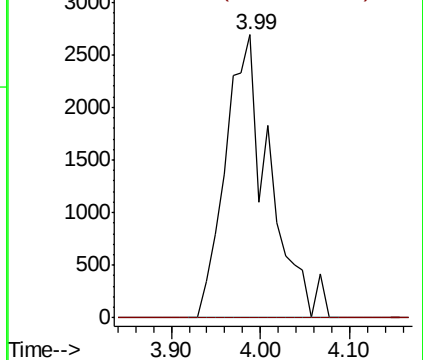
59 100

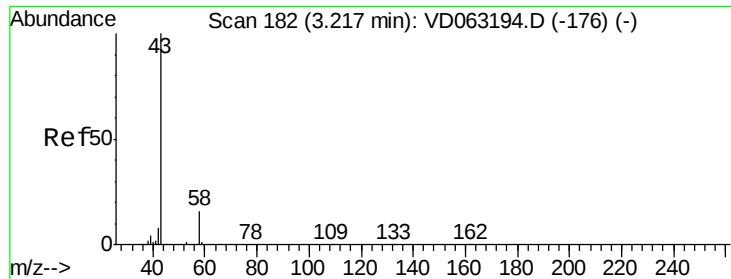
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

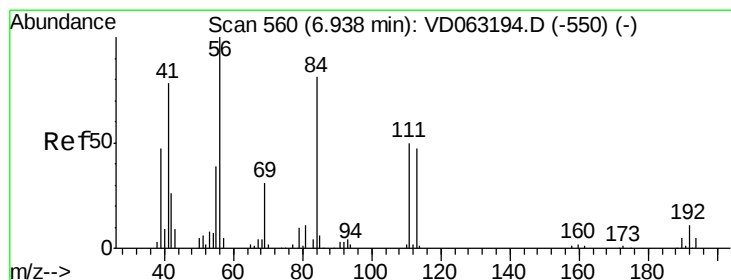
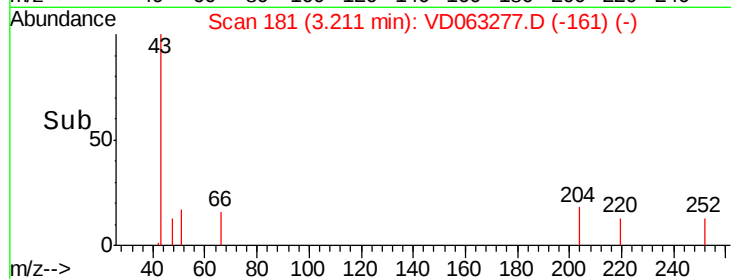
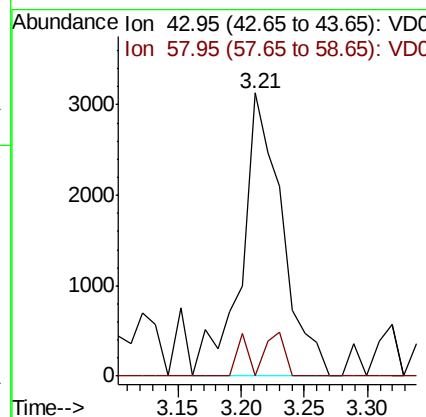
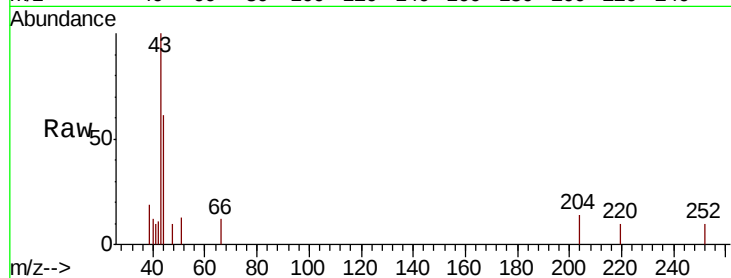




#16
Acetone
Concen: 3.577 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD063277.D
Acq: 31 Jul 2019 14:26

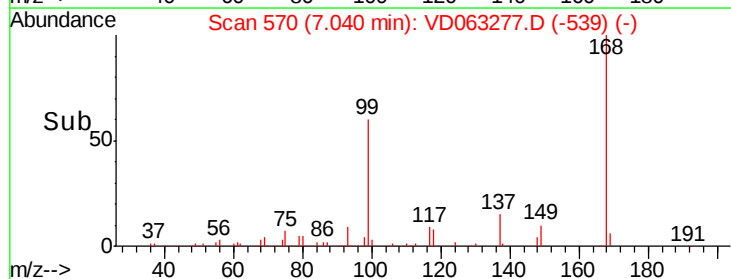
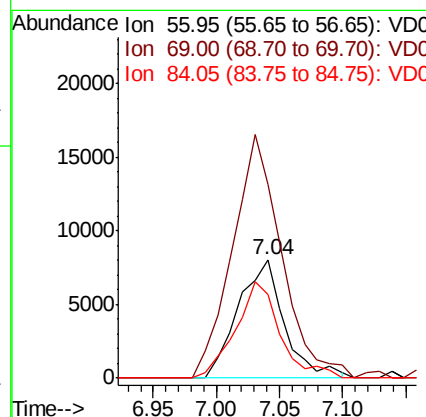
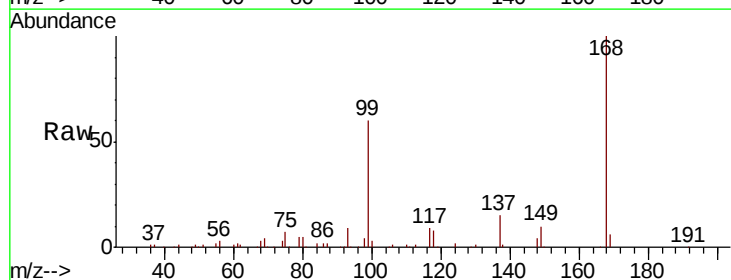
Instrument :
MSVOA_D
ClientSampleId :
SS-07_072919

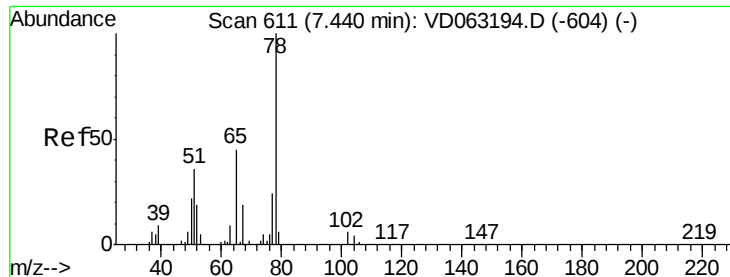
Tot Ion: 43 Resp: 6973
Ion Ratio Lower Upper
43 100
58 0.0 13.0 19.4#



#31
Cyclohexane
Concen: 2.299 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063277.D
Acq: 31 Jul 2019 14:26

Tgt Ion: 56 Resp: 20491
Ion Ratio Lower Upper
56 100
69 163.5 24.5 36.7#
84 70.8 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 38.199 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063277.D

Acq: 31 Jul 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

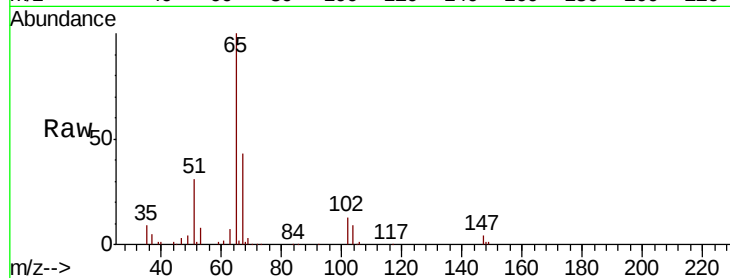
SS-07_072919

Tot Ion: 65 Resp: 382183

Ion Ratio Lower Upper

65 100

67 42.9 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

150000

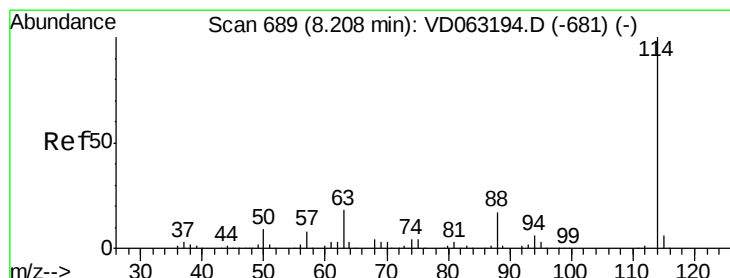
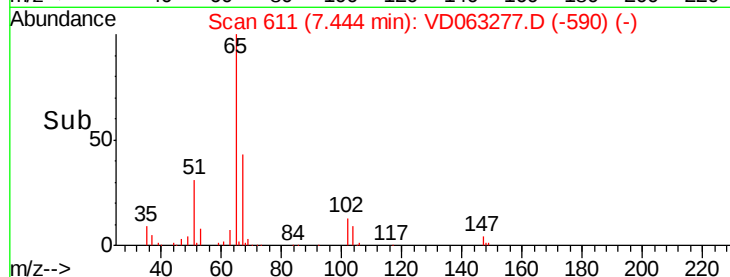
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063277.D

Acq: 31 Jul 2019 14:26

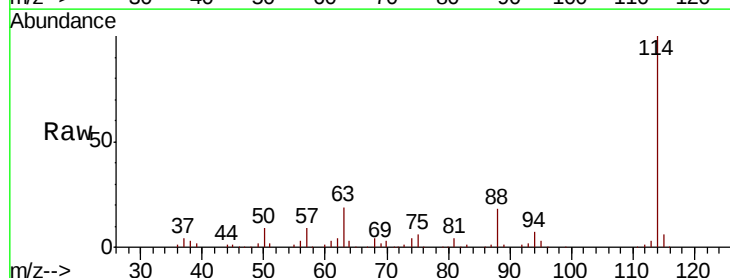
Tgt Ion: 114 Resp: 1098948

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.2

88 18.3 0.0 34.6



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

8.21

500000

400000

300000

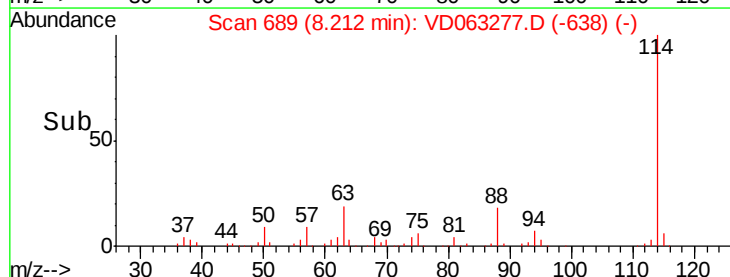
200000

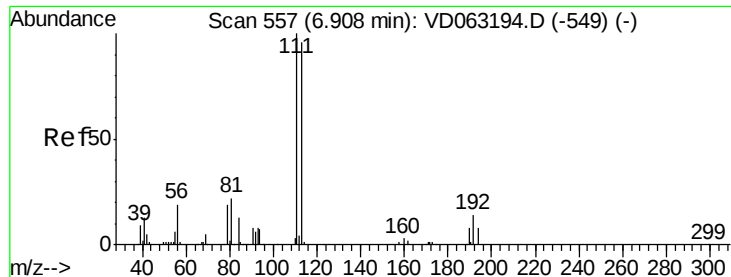
100000

0

8.00 8.20 8.40

Time-->





#35

Dibromofluoromethane

Concen: 46.776 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063277.D

Acq: 31 Jul 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

SS-07_072919

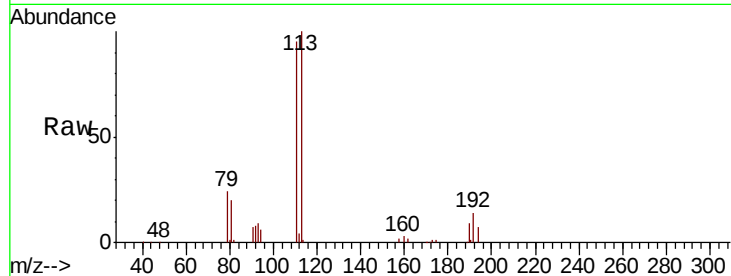
Tot Ion:113 Resp: 438888

Ion Ratio Lower Upper

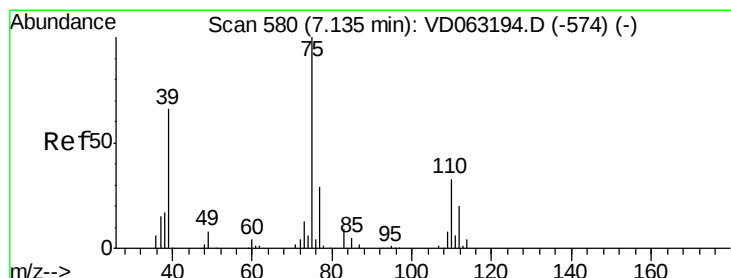
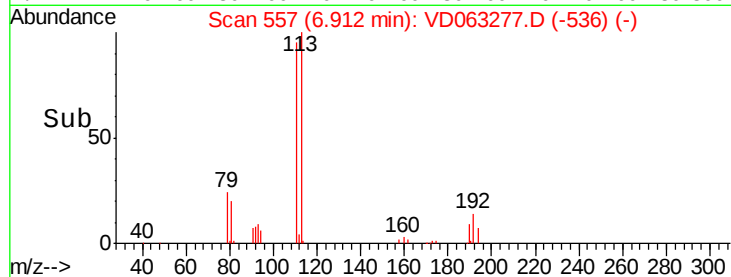
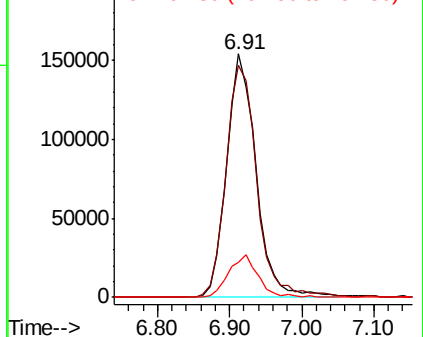
113 100

111 95.3 83.2 124.8

192 14.2 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: 6.723 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063277.D

Acq: 31 Jul 2019 14:26

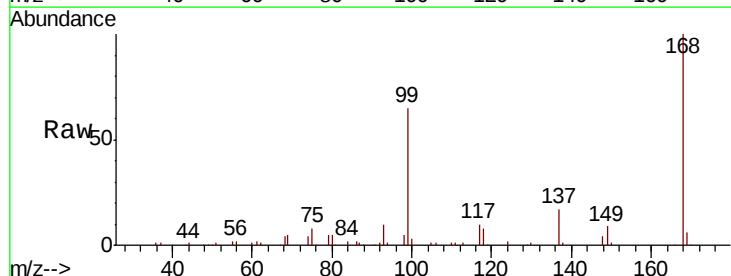
Tgt Ion: 75 Resp: 67428

Ion Ratio Lower Upper

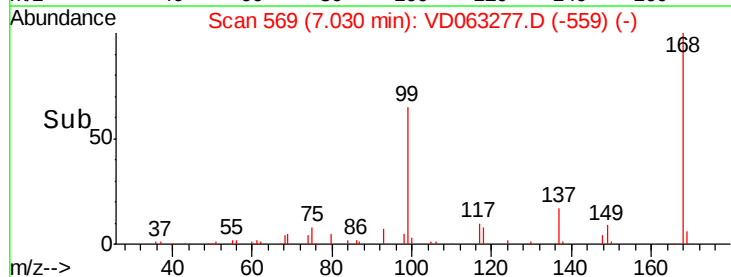
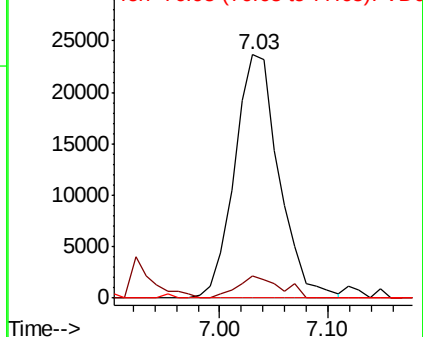
75 100

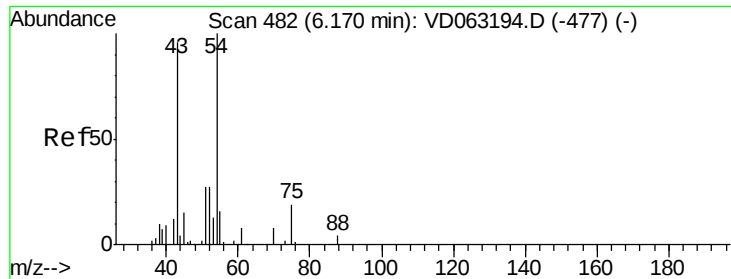
110 9.2 16.1 48.2#

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





#37

Ethyl Acetate

Concen: 1.444 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD063277.D

Acq: 31 Jul 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

SS-07_072919

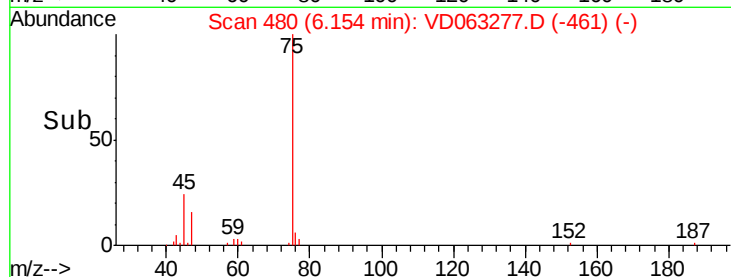
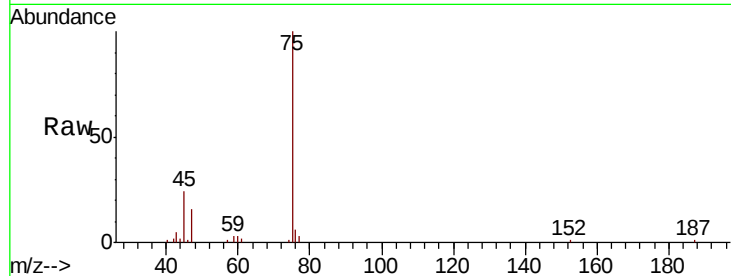
Tot Ion: 43 Resp: 6505

Ion Ratio Lower Upper

43 100

61 36.2 11.3 16.9#

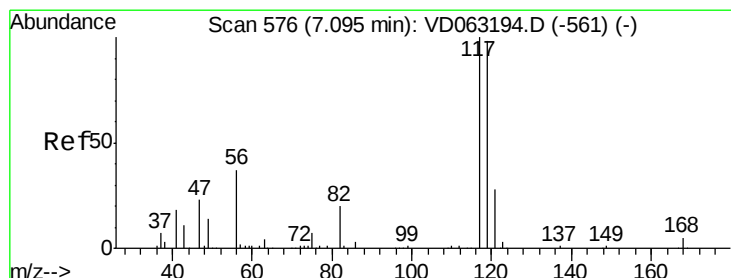
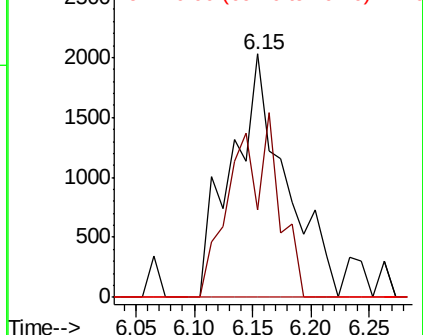
70 0.0 5.1 7.7#



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: 5.571 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD063277.D

Acq: 31 Jul 2019 14:26

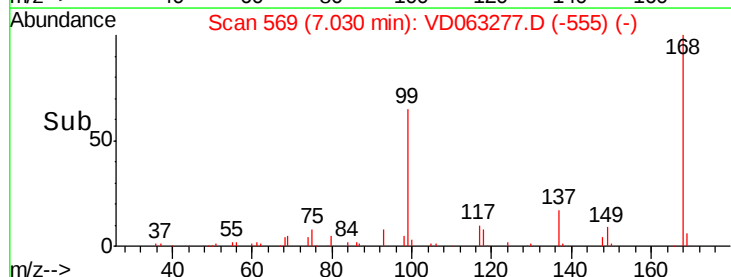
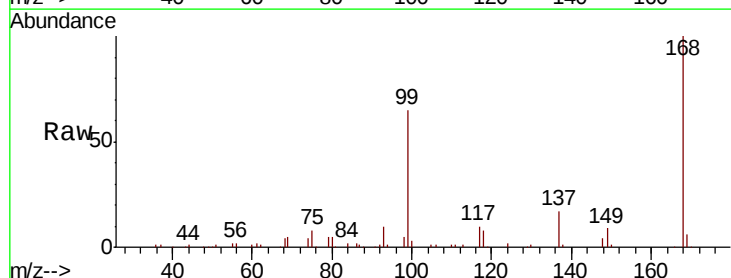
Tgt Ion: 117 Resp: 84111

Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

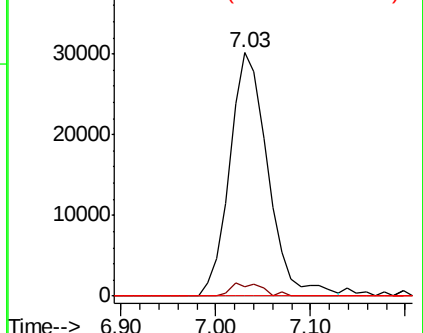
121 0.0 22.1 33.1#

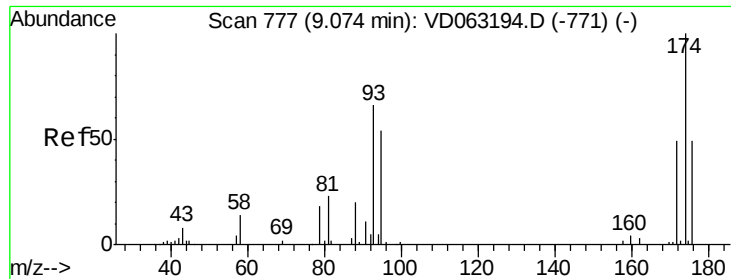


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

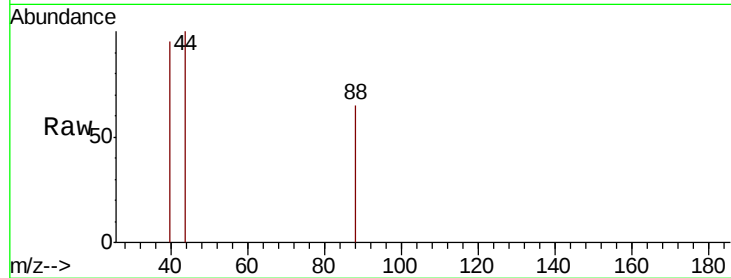




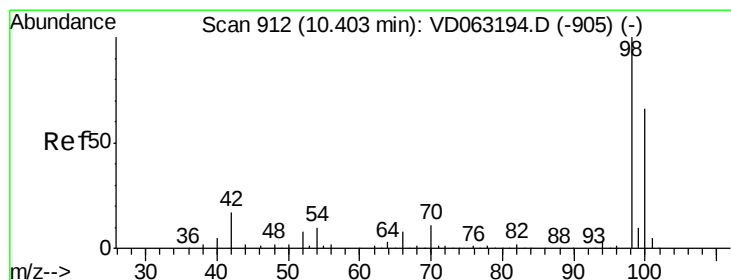
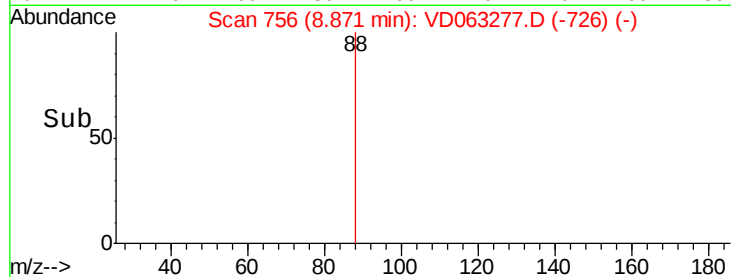
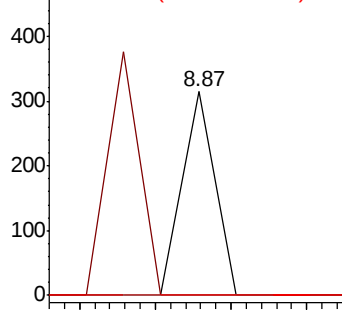
#49
1,4-Dioxane
Concen: 1.741 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.20 min
Lab File: VD063277.D
Acq: 31 Jul 2019 14:26

Instrument :
MSVOA_D
ClientSampleId :
SS-07_072919

Tot Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 152.9 30.7 46.1#
58 0.0 56.5 84.7#

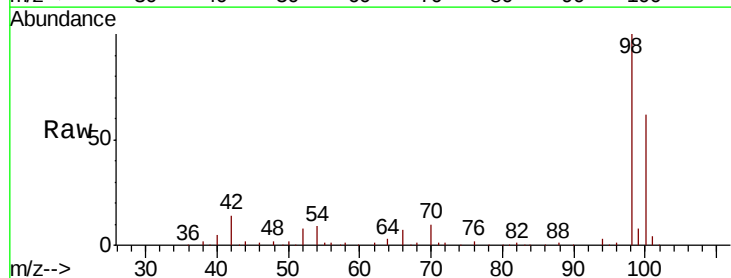


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

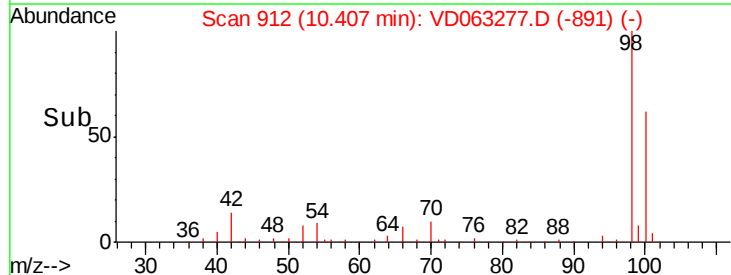
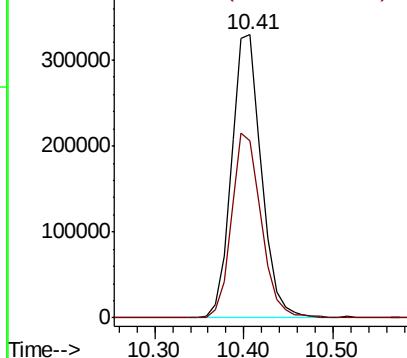


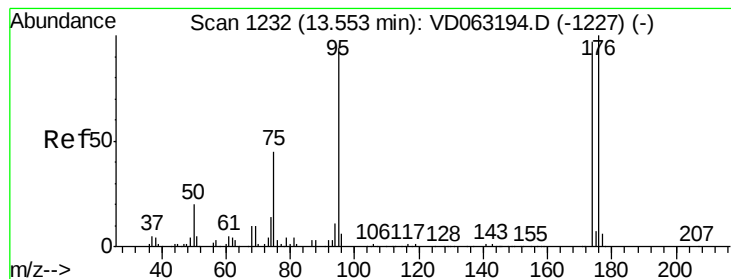
#50
Toluene-d8
Concen: 36.891 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063277.D
Acq: 31 Jul 2019 14:26

Tgt Ion: 98 Resp: 774648
Ion Ratio Lower Upper
98 100
100 62.4 53.2 79.8



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





#62

4-Bromofluorobenzene

Concen: 24.293 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063277.D

Acq: 31 Jul 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

SS-07_072919

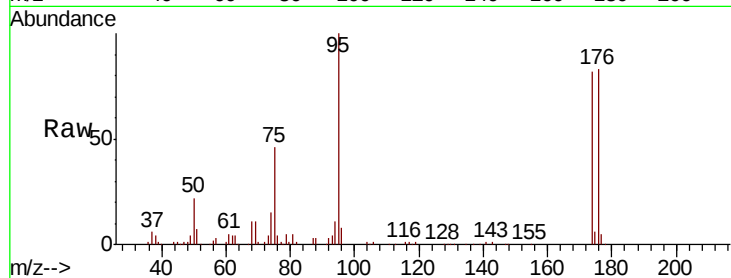
Tot Ion: 95 Resp: 232459

Ion Ratio Lower Upper

95 100

174 81.6 0.0 205.4

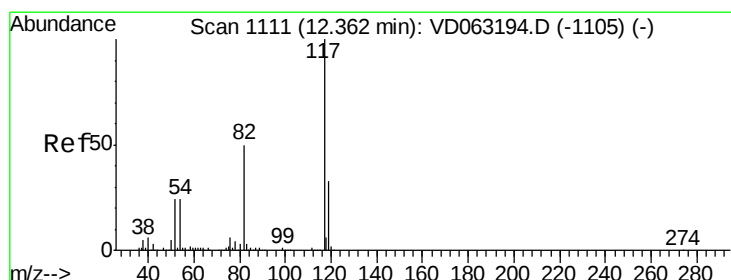
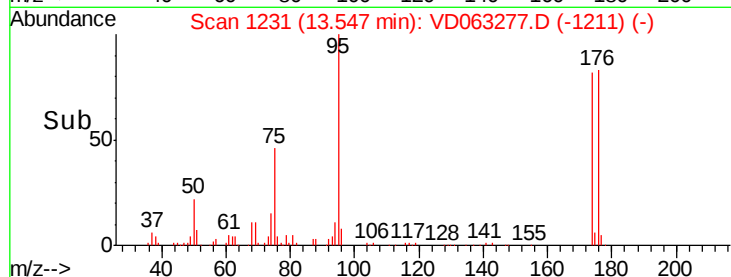
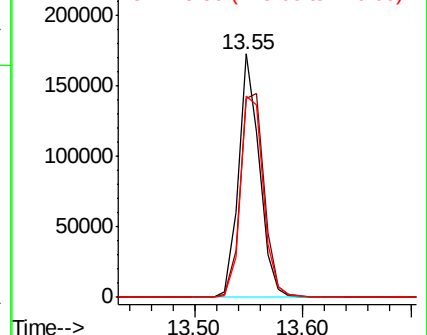
176 82.6 0.0 211.8



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. 0.00 min

Lab File: VD063277.D

Acq: 31 Jul 2019 14:26

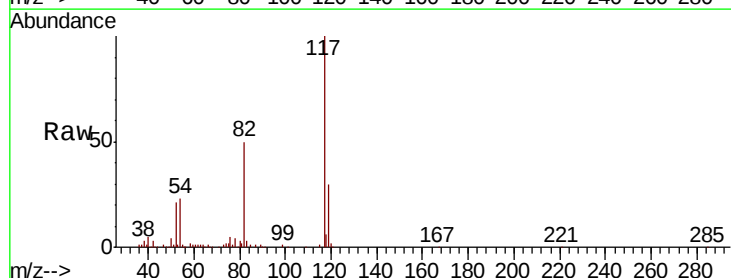
Tgt Ion: 117 Resp: 787352

Ion Ratio Lower Upper

117 100

82 49.6 40.1 60.1

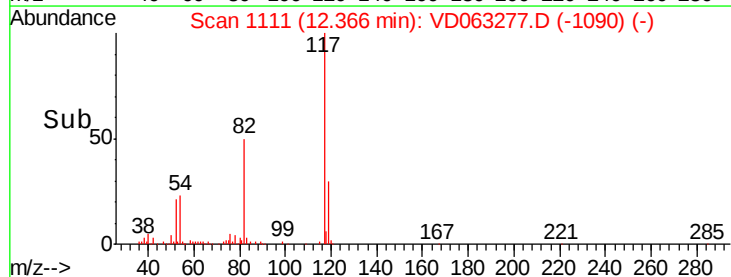
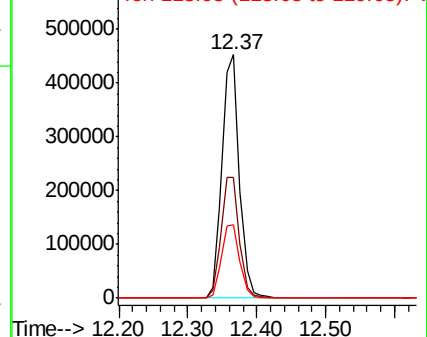
119 30.2 26.5 39.7

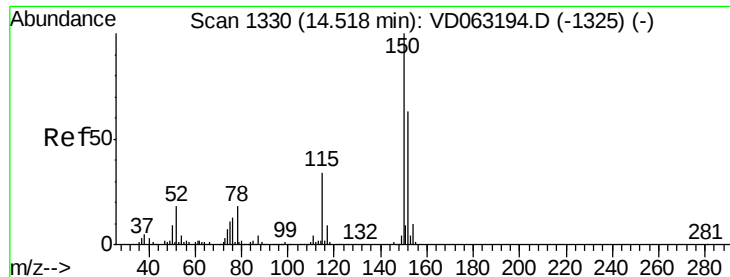


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



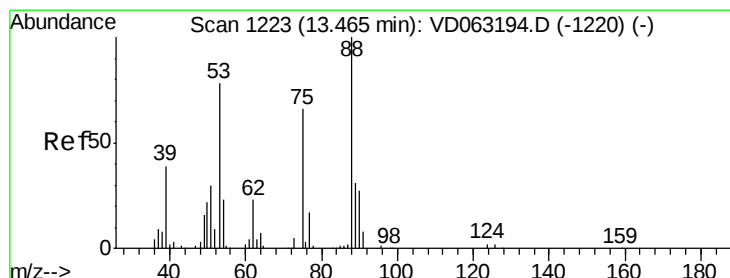
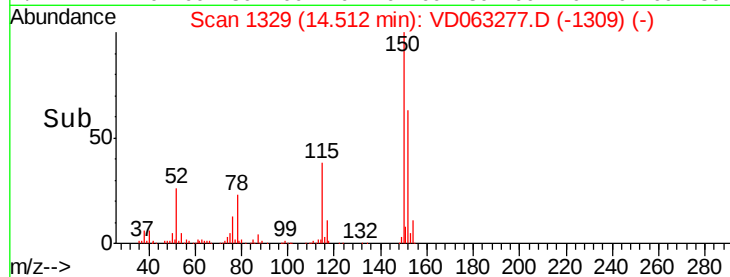
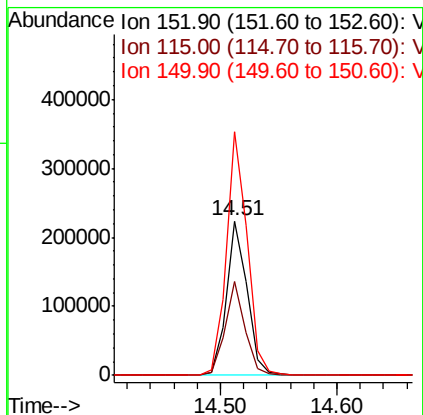
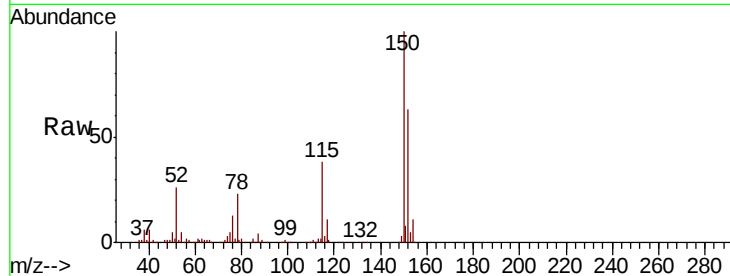


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063277.D
Acq: 31 Jul 2019 14:26

Instrument :
MSVOA_D
ClientSampleId :
SS-07_072919

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	27.5	82.4
150	157.6	0.0	320.6



#81

trans-1,4-Dichloro-2-butene
Concen: 119.744 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD063277.D
Acq: 31 Jul 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	94.9	142.3#
89	0.0	37.4	56.0#

