

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063538.D
 Acq On : 13 Aug 2019 20:16
 Operator : JC/SY
 Sample : K4319-07
 Misc : 6.25g/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:30:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	987565	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1517923	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1245733	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	598280	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	445970	42.25	ug/l	-0.02
Spiked Amount				50.000		
Recovery						84.50%
35) Dibromofluoromethane	6.92	113	508572	39.78	ug/l	-0.02
Spiked Amount				50.000		
Recovery						79.56%
50) Toluene-d8	10.41	98	1006347	35.81	ug/l	0.00
Spiked Amount				50.000		
Recovery						71.62%
62) 4-Bromofluorobenzene	13.56	95	389715	30.59	ug/l	0.00
Spiked Amount				50.000		
Recovery						61.18%

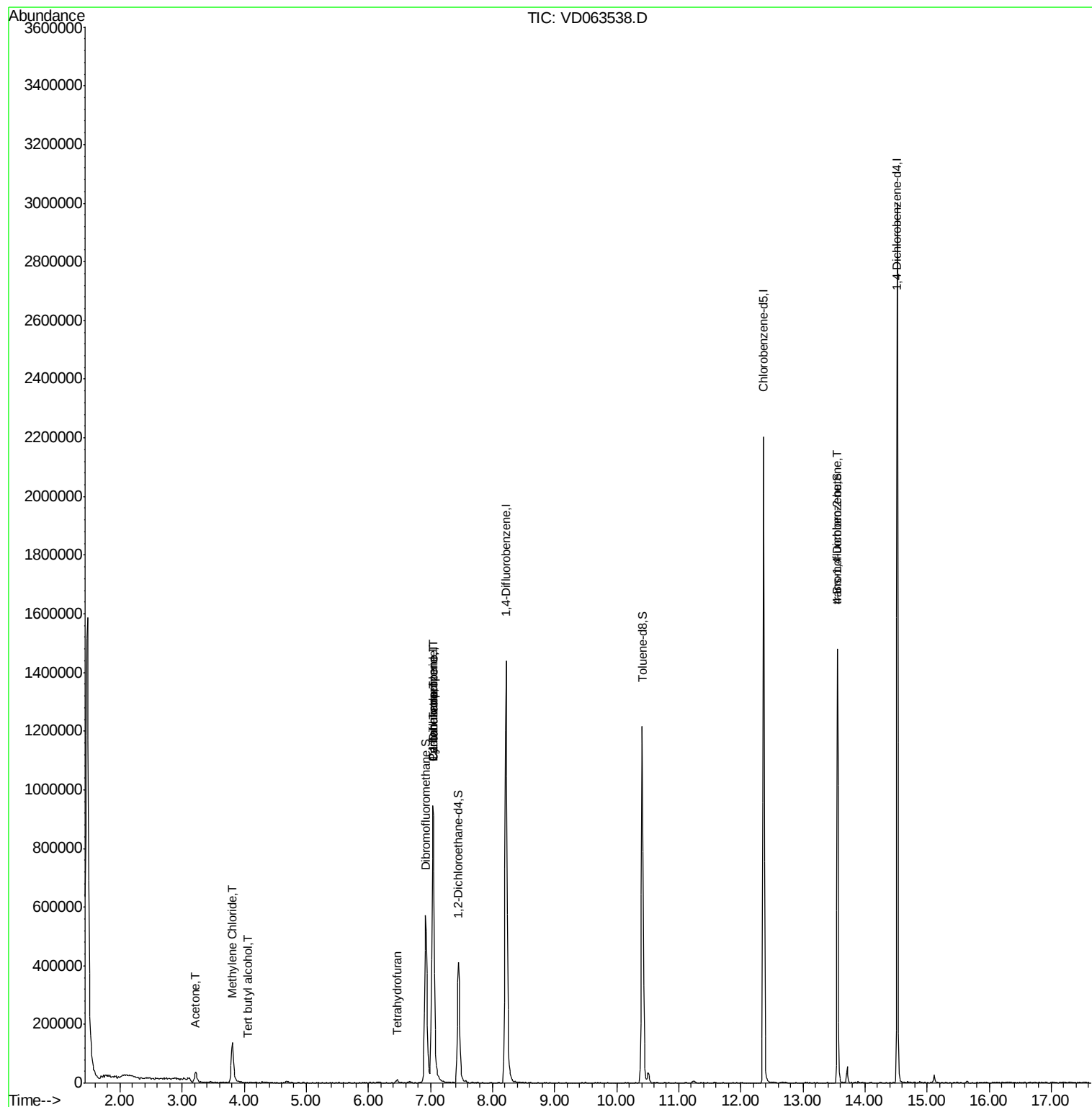
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	838	1.824	ug/l #	71
16) Acetone	3.22	43	67159	31.297	ug/l #	86
20) Methylene Chloride	3.81	84	88664	9.555	ug/l #	88
29) Tetrahydrofuran	6.47	42	7747	7.845	ug/l	98
31) Cyclohexane	7.04	56	22381	2.348	ug/l #	25
36) 1,1-Dichloropropene	7.04	75	70103	5.224	ug/l #	51
38) Carbon Tetrachloride	7.05	117	99447	4.917	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	179355	97.187	ug/l #	1

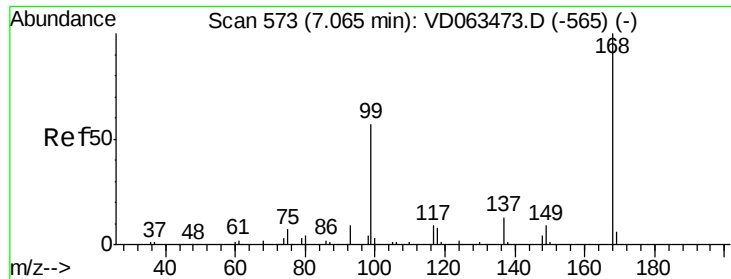
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 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: VD063538.D

Acq: 13 Aug 2019 20:16

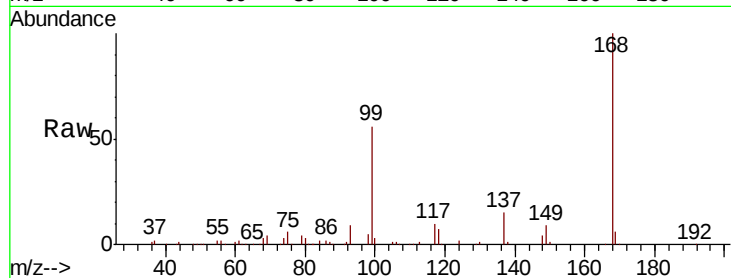
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 987565

Ion Ratio Lower Upper

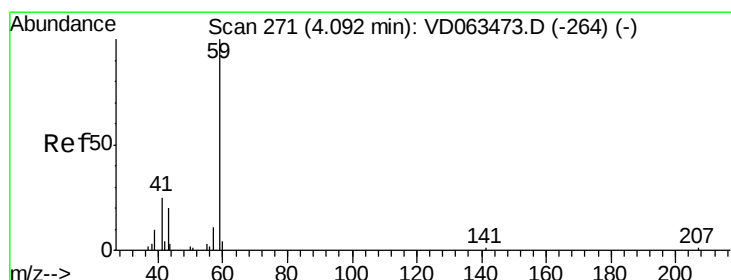
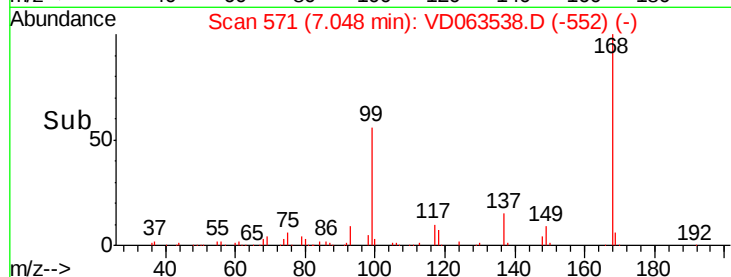
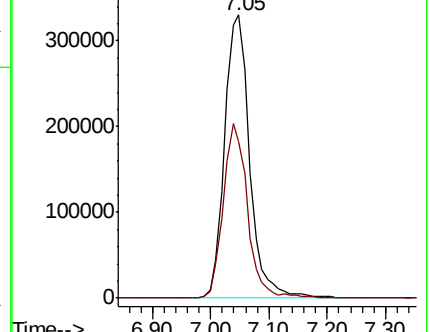
168 100

99 55.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.824 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.04 min

Lab File: VD063538.D

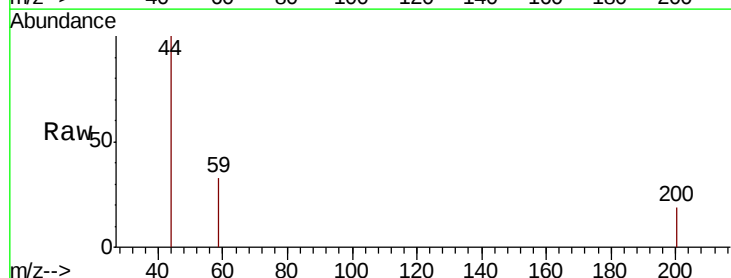
Acq: 13 Aug 2019 20:16

Tgt Ion: 59 Resp: 838

Ion Ratio Lower Upper

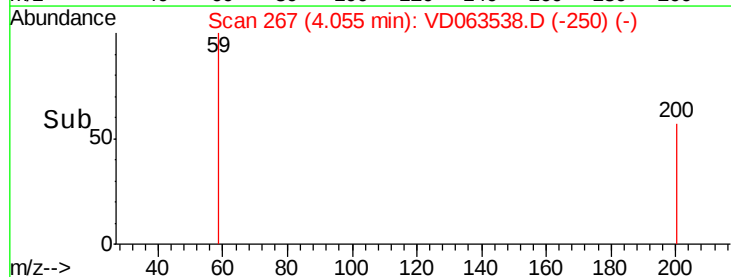
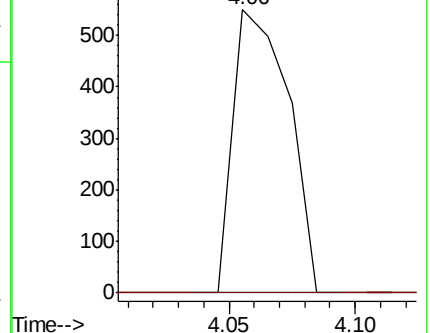
59 100

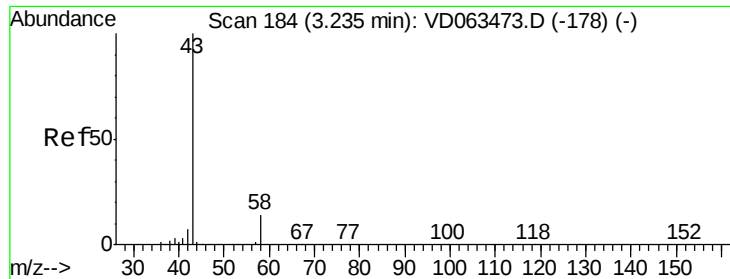
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 31.297 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063538.D

Acq: 13 Aug 2019 20:16

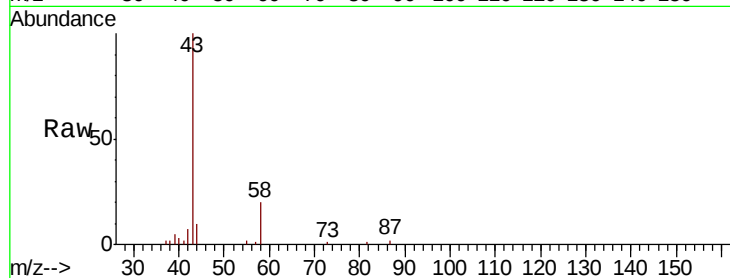
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 67159

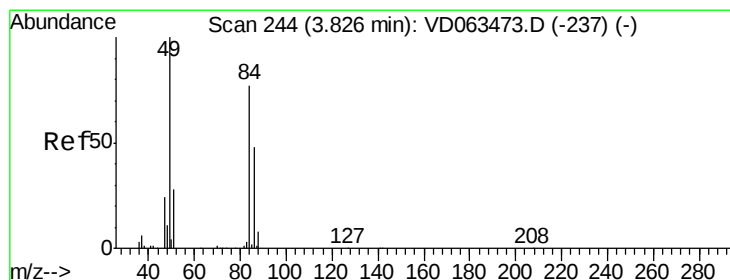
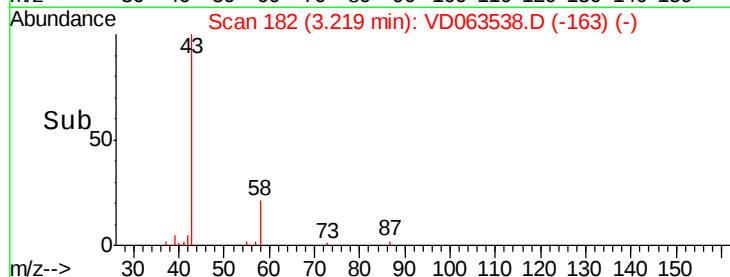
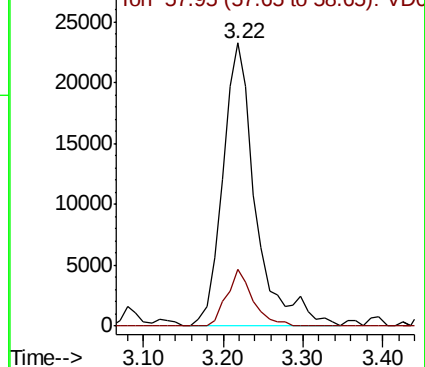
Ion Ratio Lower Upper

43 100

58 20.1 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 9.555 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD063538.D

Acq: 13 Aug 2019 20:16

Tgt Ion: 84 Resp: 88664

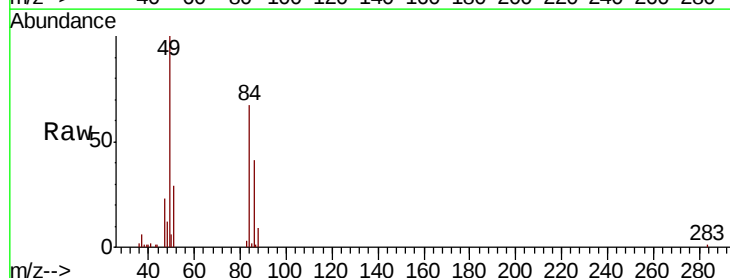
Ion Ratio Lower Upper

84 100

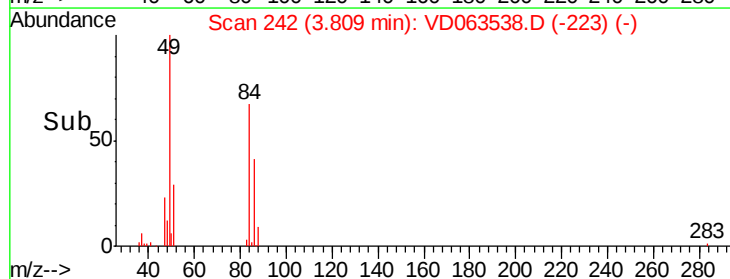
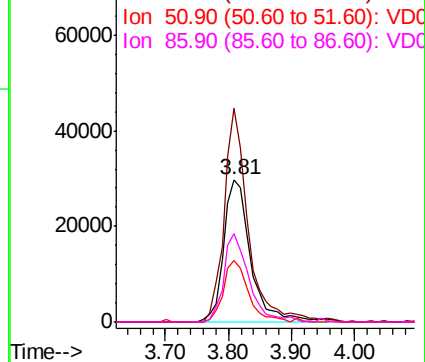
49 150.2 103.4 155.2

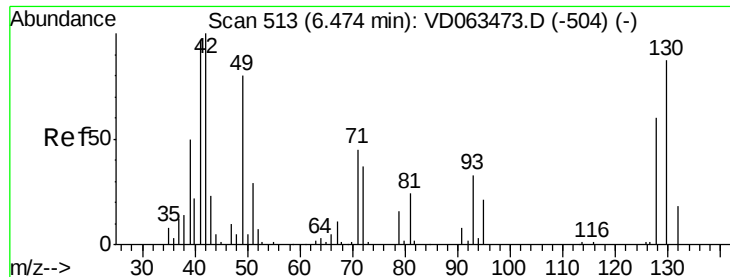
51 43.3 28.5 42.7#

86 62.0 49.4 74.2



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





#29

Tetrahydrofuran

Concen: 7.845 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063538.D

Acq: 13 Aug 2019 20:16

Instrument :

MSVOA_D

ClientSampleId :

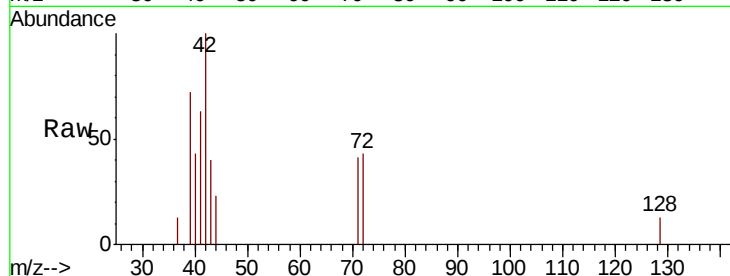
Tot Ion: 42 Resp: 7747

Ion Ratio Lower Upper

42 100

72 42.2 31.5 47.3

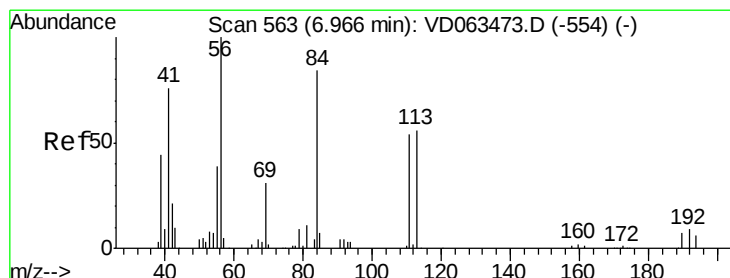
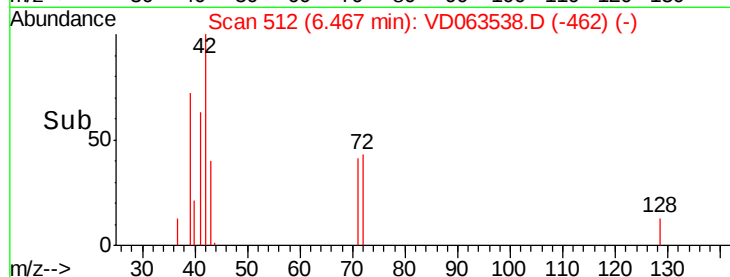
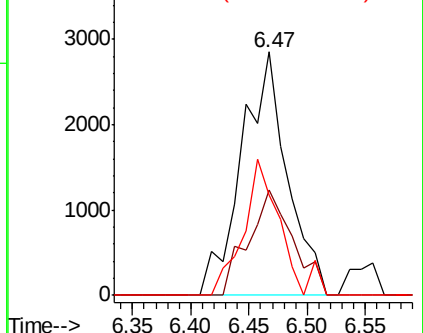
71 42.0 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.348 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063538.D

Acq: 13 Aug 2019 20:16

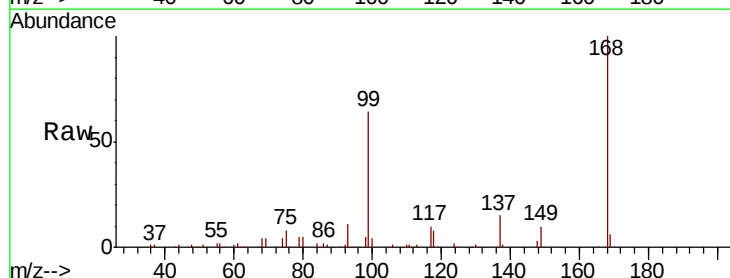
Tgt Ion: 56 Resp: 22381

Ion Ratio Lower Upper

56 100

69 173.0 25.0 37.6#

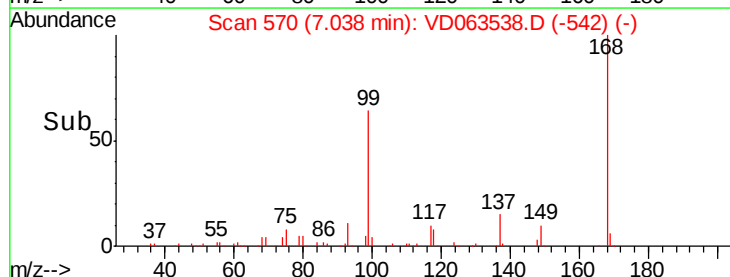
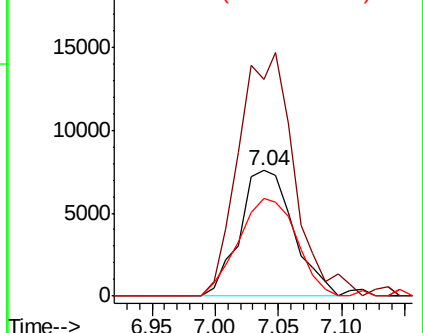
84 77.7 69.7 104.5

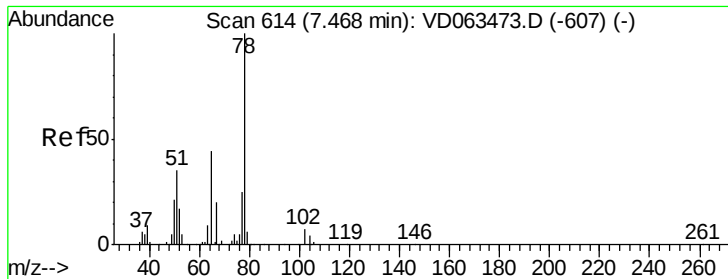


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

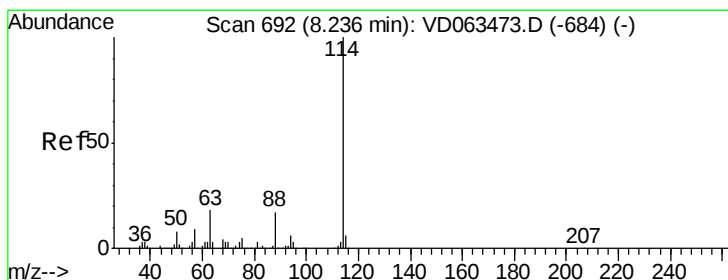
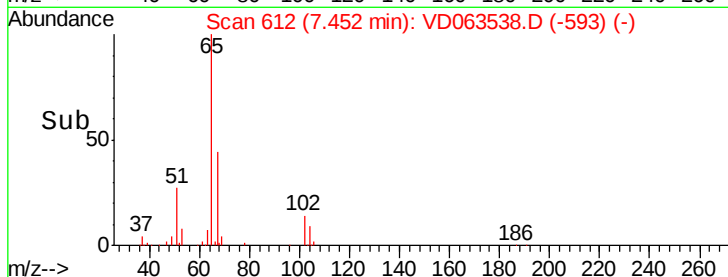
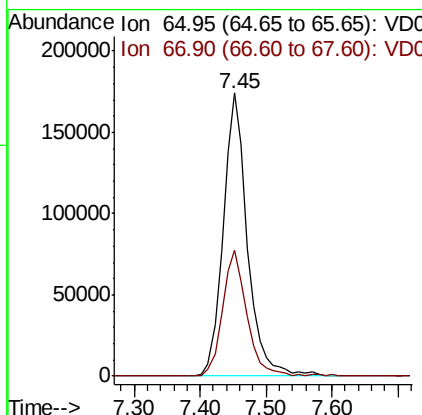
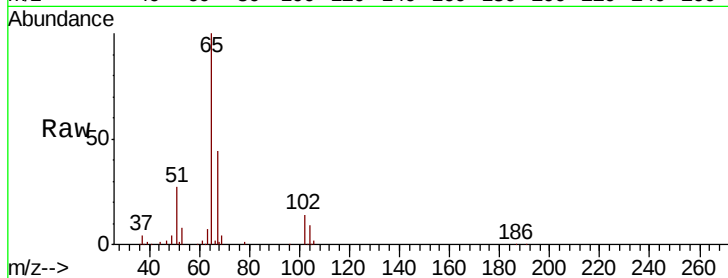




#33
 1,2-Dichloroethane-d4
 Concen: 42.247 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063538.D
 Acq: 13 Aug 2019 20:16

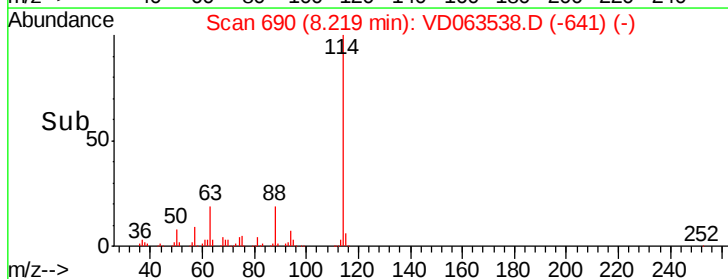
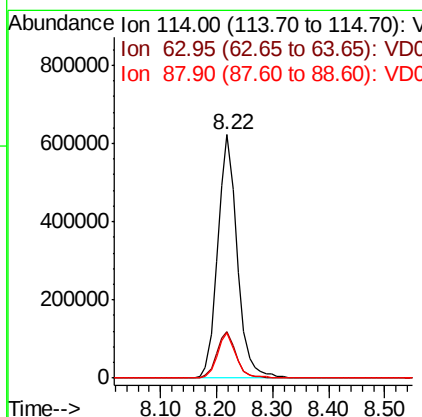
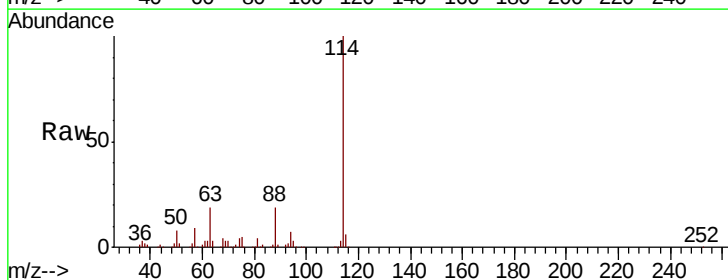
Instrument :
 MSVOA_D
 ClientSampled :

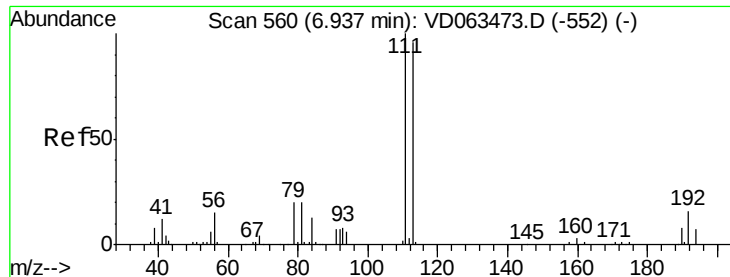
Tot Ion: 65 Resp: 445970
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063538.D
 Acq: 13 Aug 2019 20:16

Tgt Ion: 114 Resp: 1517923
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.2
 88 18.6 0.0 35.0

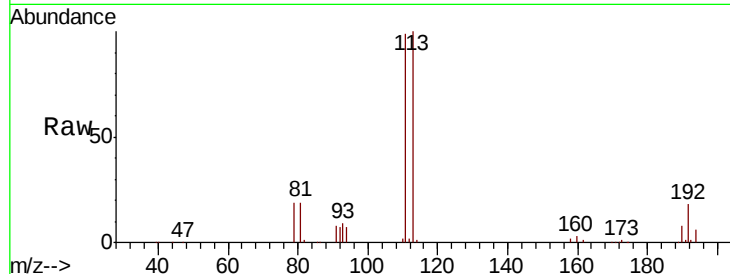




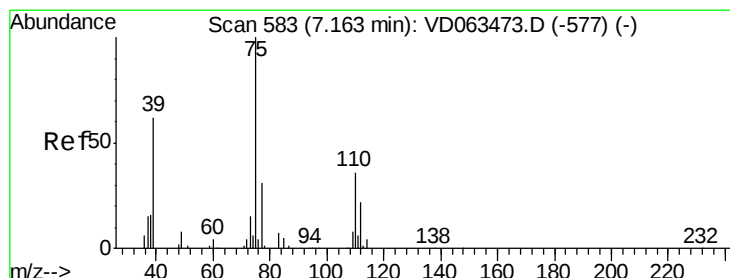
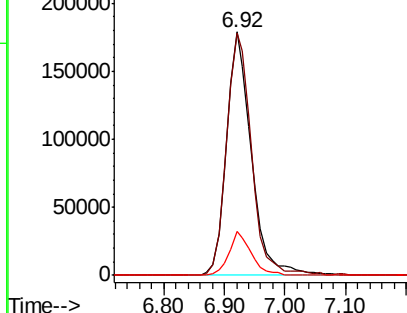
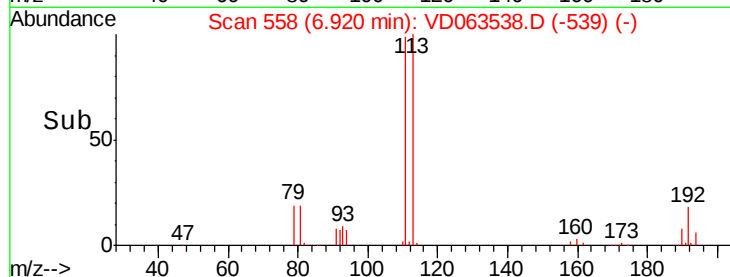
#35
 Dibromofluoromethane
 Concen: 39.782 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063538.D
 Acq: 13 Aug 2019 20:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.4	83.1	124.7
192	18.1	13.1	19.7

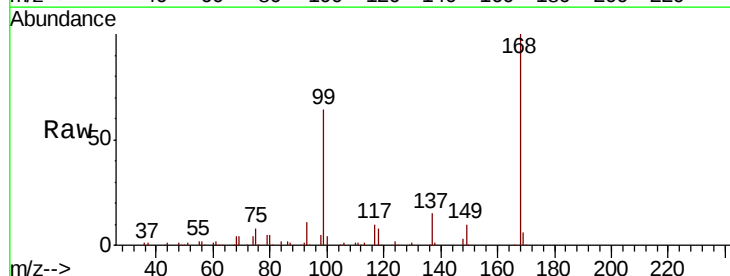


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

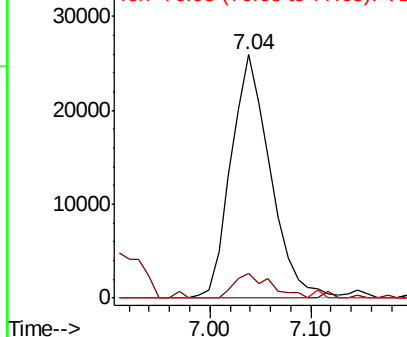
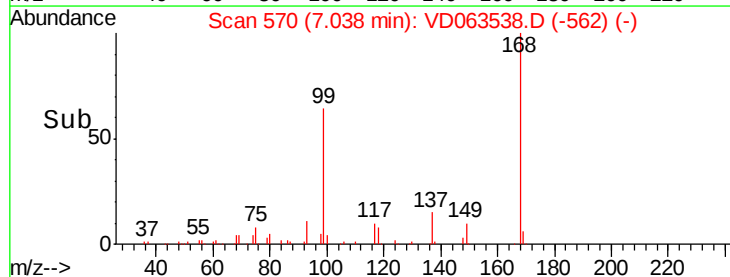


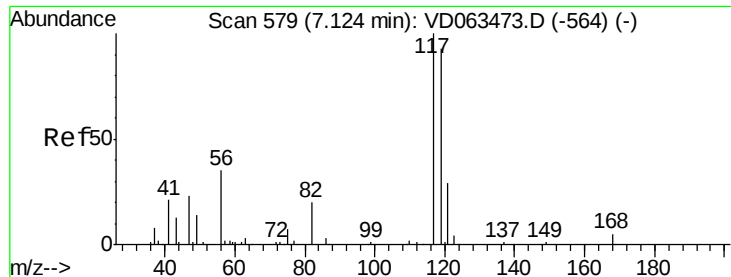
#36
 1,1-Dichloropropene
 Concen: 5.224 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063538.D
 Acq: 13 Aug 2019 20:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.6	52.8#
77	0.0	24.3	36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 4.917 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063538.D

Acq: 13 Aug 2019 20:16

Instrument :

MSVOA_D

ClientSampleId :

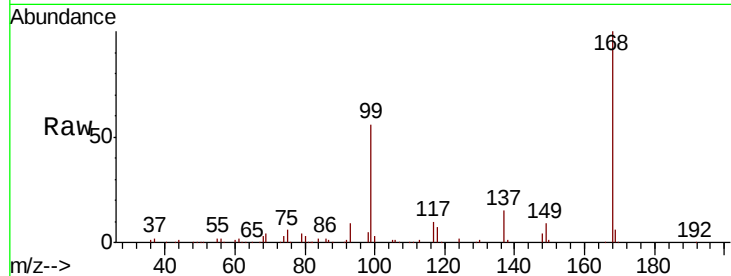
Tot Ion:117 Resp: 99447

Ion Ratio Lower Upper

117 100

119 3.6 74.2 111.2#

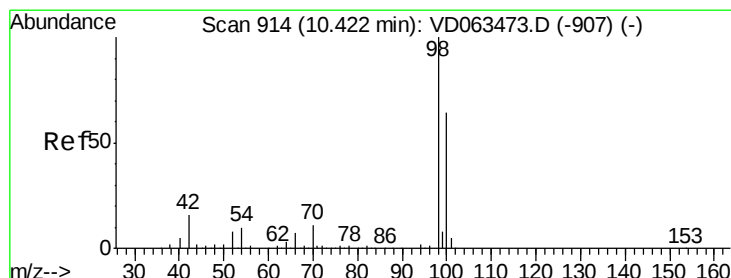
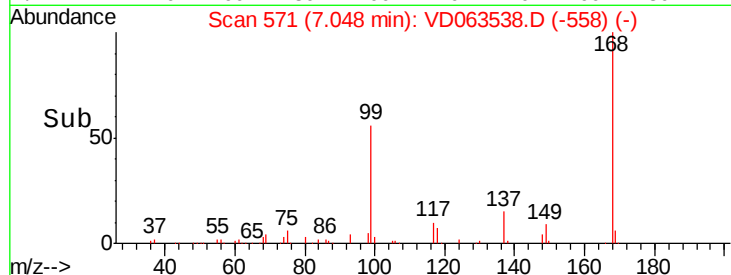
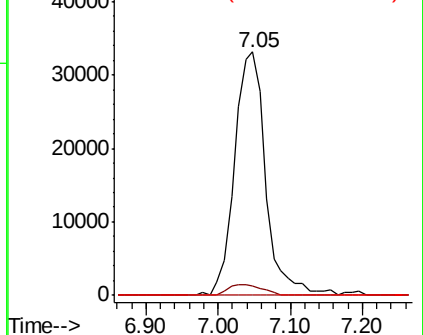
121 0.0 23.1 34.7#



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: 35.805 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063538.D

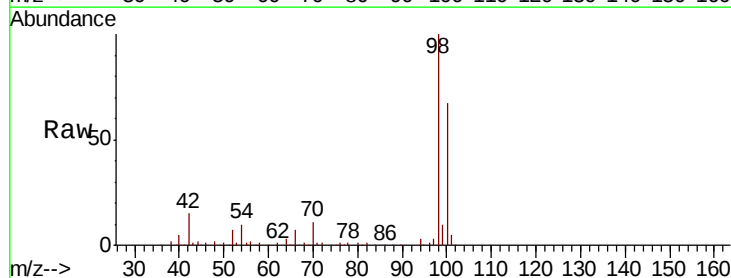
Acq: 13 Aug 2019 20:16

Tgt Ion: 98 Resp: 1006347

Ion Ratio Lower Upper

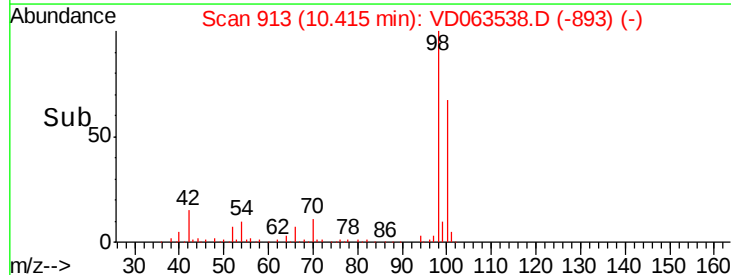
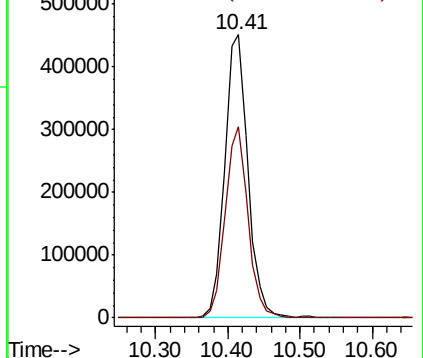
98 100

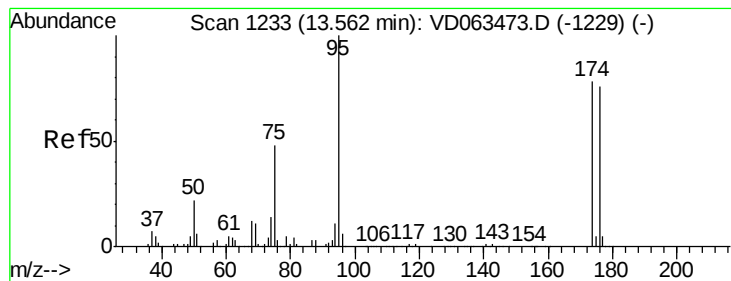
100 67.4 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 30.592 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063538.D

Acq: 13 Aug 2019 20:16

Instrument :

MSVOA_D

ClientSampleId :

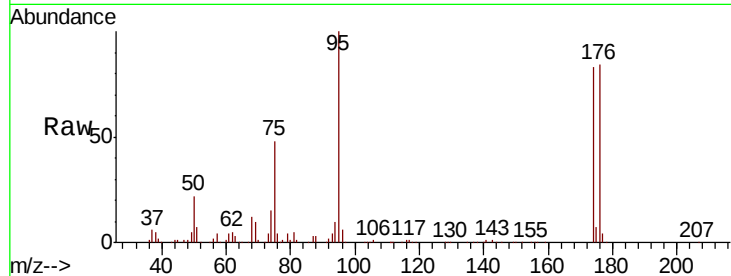
Tot Ion: 95 Resp: 389715

Ion Ratio Lower Upper

95 100

174 82.5 0.0 155.4

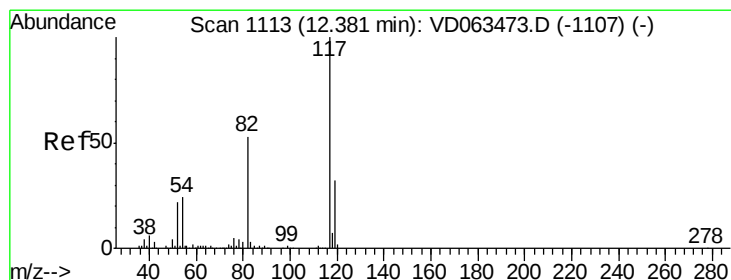
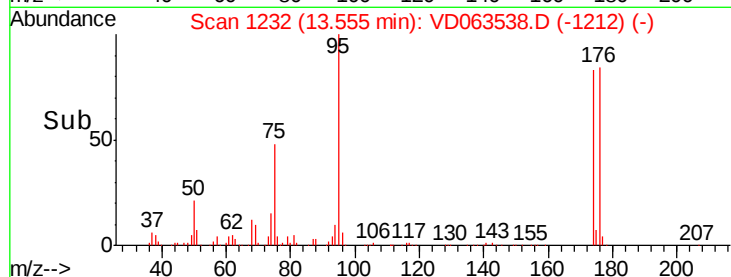
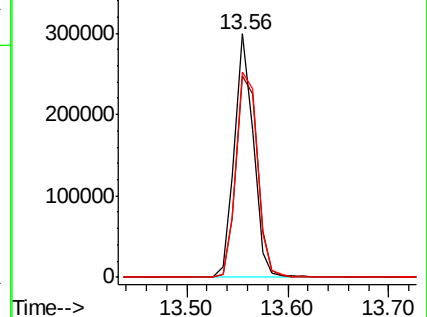
176 84.5 0.0 152.4



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. -0.02 min

Lab File: VD063538.D

Acq: 13 Aug 2019 20:16

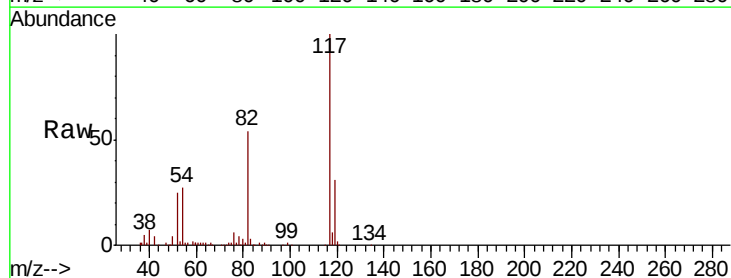
Tgt Ion: 117 Resp: 1245733

Ion Ratio Lower Upper

117 100

82 54.2 42.0 63.0

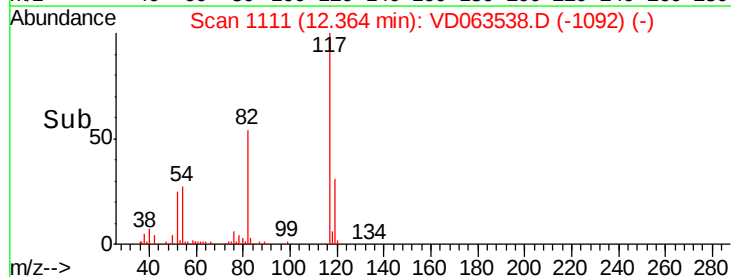
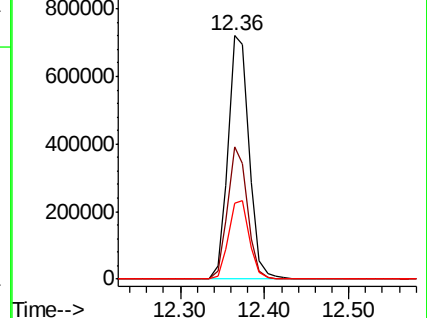
119 31.3 25.4 38.0

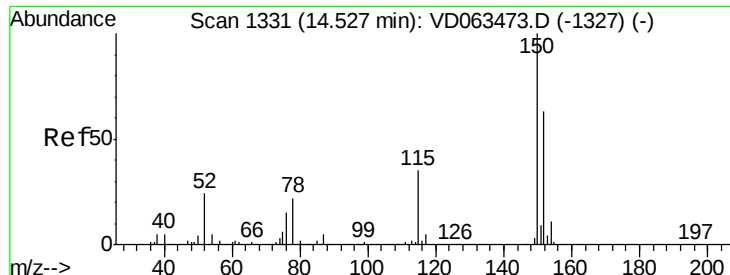


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063538.D

Acq: 13 Aug 2019 20:16

Instrument :

MSVOA_D

ClientSampled :

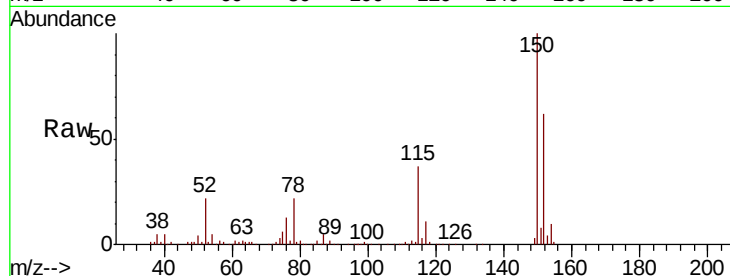
Tot Ion:152 Resp: 598280

Ion Ratio Lower Upper

152 100

115 59.7 30.9 92.7

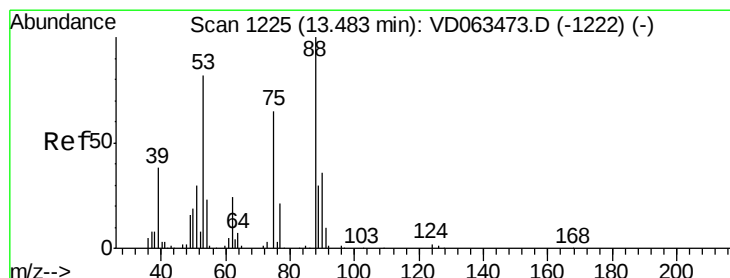
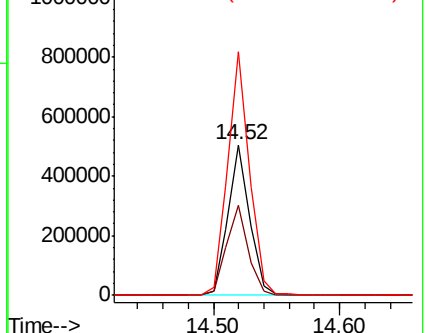
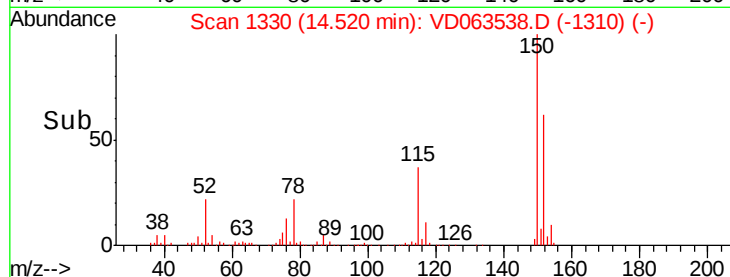
150 161.6 0.0 318.6



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: 97.187 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063538.D

Acq: 13 Aug 2019 20:16

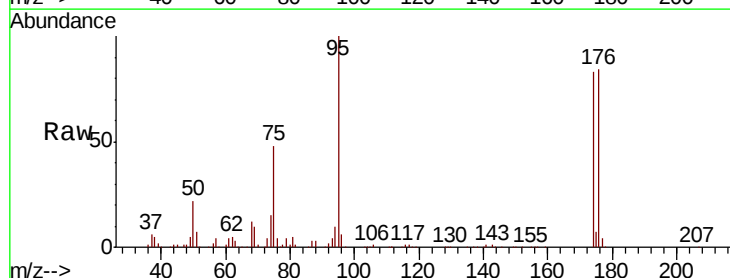
Tgt Ion: 75 Resp: 179355

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

