

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063463.D
 Acq On : 9 Aug 2019 4:19
 Operator : JC/SY
 Sample : K4237-03
 Misc : 5.19g/5ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05(0-2)

Quant Time: Aug 09 07:05:10 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	7.05	168	983954	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1333796	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	903720	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	251379	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	463469	42.45	ug/l	0.02
Spiked Amount 50.000			Recovery	=	84.90%	
35) Dibromofluoromethane	6.93	113	511530	44.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	89.84%	
50) Toluene-d8	10.42	98	927552	36.39	ug/l	0.01
Spiked Amount 50.000			Recovery	=	72.78%	
62) 4-Bromofluorobenzene	13.56	95	272348	23.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	46.90%	

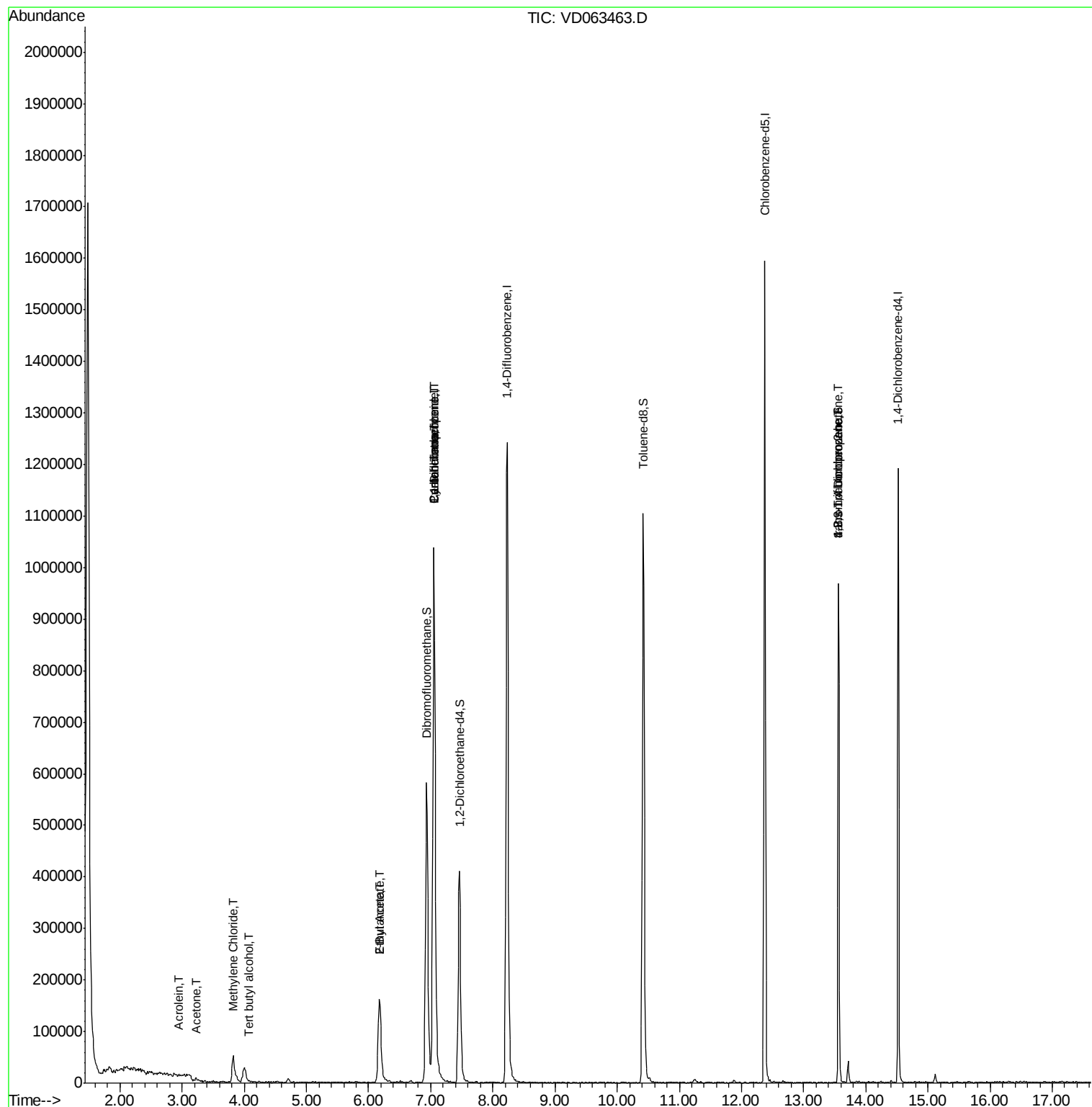
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.09	59	3516	7.338	ug/l #	69
13) Acrolein	2.96	56	510	1.106	ug/l #	15
16) Acetone	3.23	43	9986	4.694	ug/l	94
20) Methylene Chloride	3.82	84	31295	3.640	ug/l	90
25) 2-Butanone	6.18	43	11863	5.557	ug/l #	56
31) Cyclohexane	7.05	56	20998	2.159	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	76083	6.250	ug/l #	52
37) Ethyl Acetate	6.18	43	12487	2.283	ug/l #	1
38) Carbon Tetrachloride	7.05	117	100124	5.464	ug/l #	15
76) 1,2,3-Trichloropropane	13.56	75	96801	32.060	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	121899	145.391	ug/l #	3

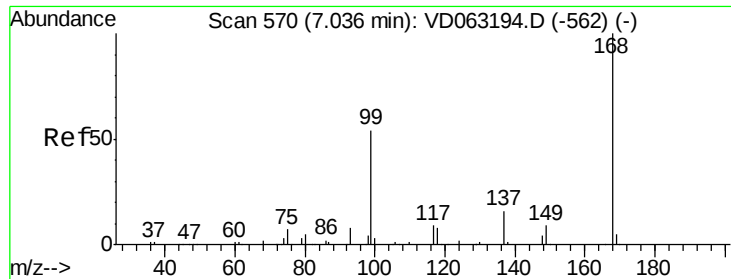
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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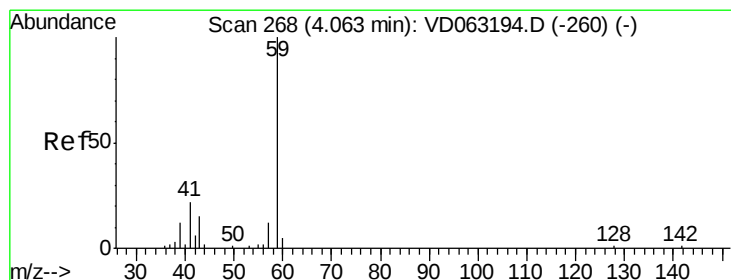
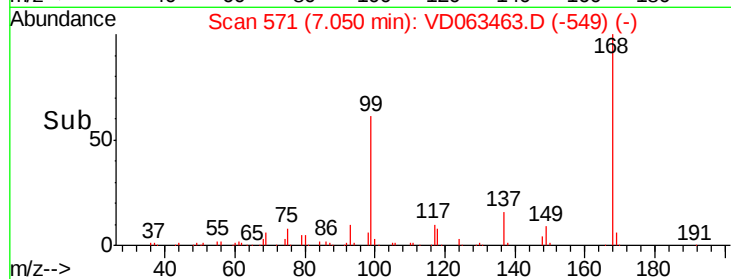
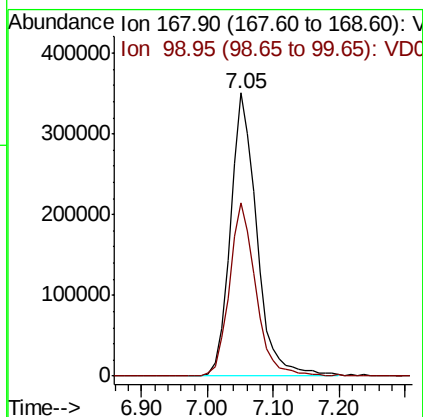
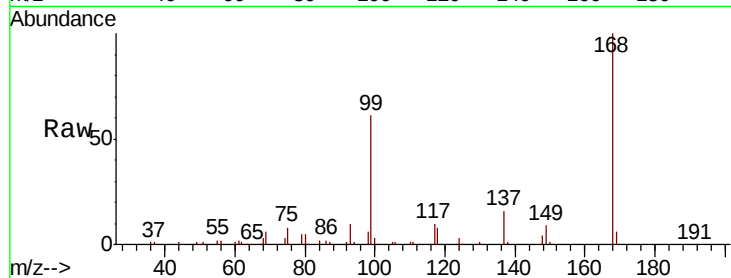




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.01 min
Lab File: VD063463.D
Acq: 9 Aug 2019 4:19

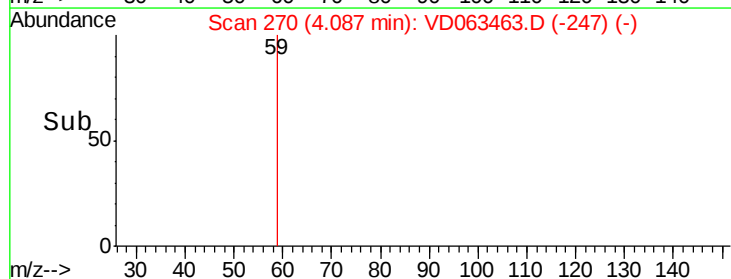
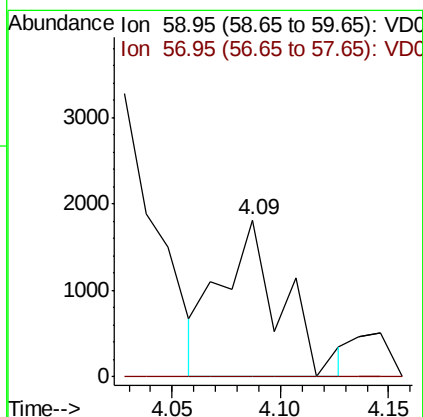
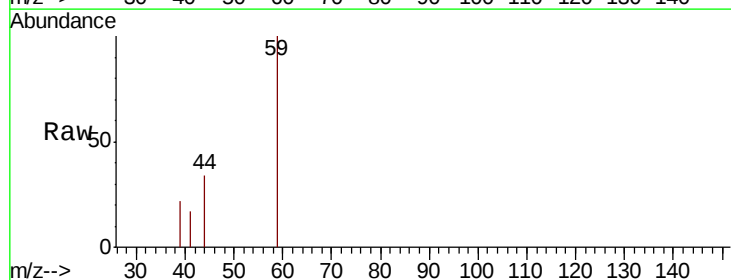
Instrument :
MSVOA_D
ClientSampleId :
SB-05(0-2)

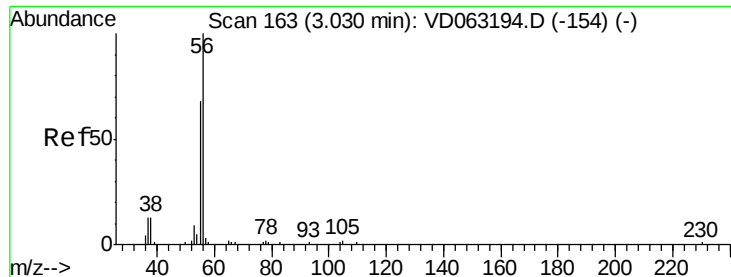
Tgt Ion: 168 Resp: 983954
Ion Ratio Lower Upper
168 100
99 61.3 43.7 65.5



#11
Tert butyl alcohol
Concen: 7.338 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063463.D
Acq: 9 Aug 2019 4:19

Tgt Ion: 59 Resp: 3516
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#





#13

Acrolein

Concen: 1.106 ug/l

RT: 2.96 min Scan# 155

Delta R.T. -0.07 min

Lab File: VD063463.D

Acq: 9 Aug 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

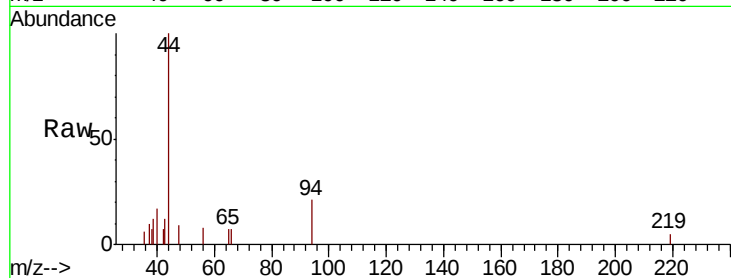
SB-05(0-2)

Tgt Ion: 56 Resp: 510

Ion Ratio Lower Upper

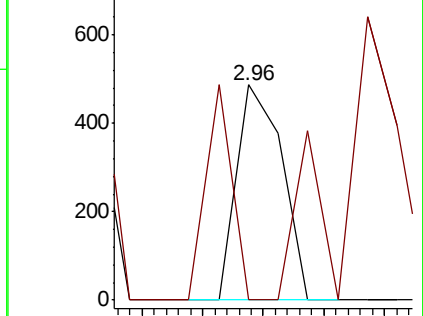
56 100

55 0.0 55.3 82.9#

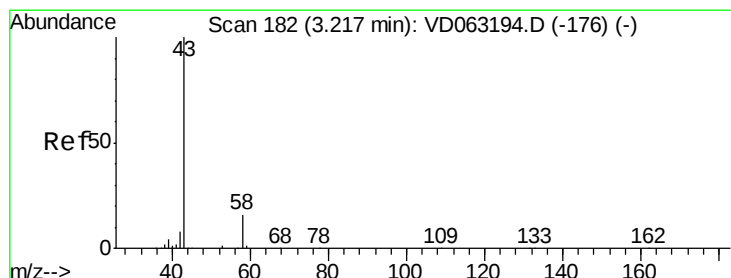
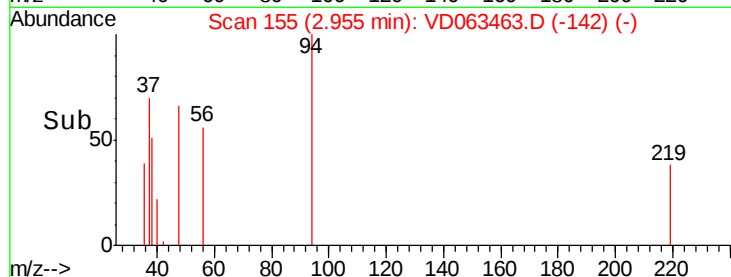


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#16

Acetone

Concen: 4.694 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063463.D

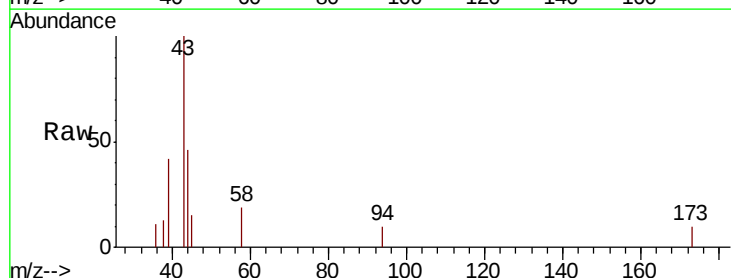
Acq: 9 Aug 2019 4:19

Tgt Ion: 43 Resp: 9986

Ion Ratio Lower Upper

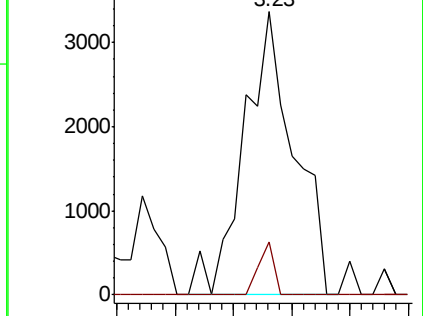
43 100

58 18.6 13.0 19.4

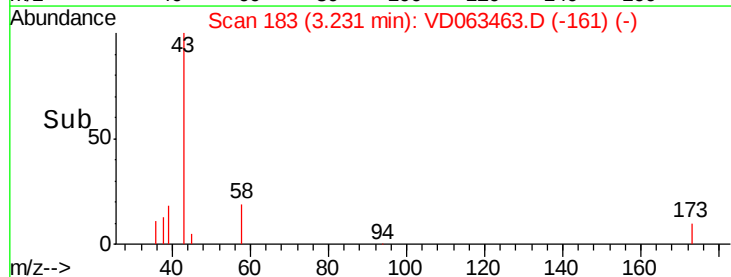


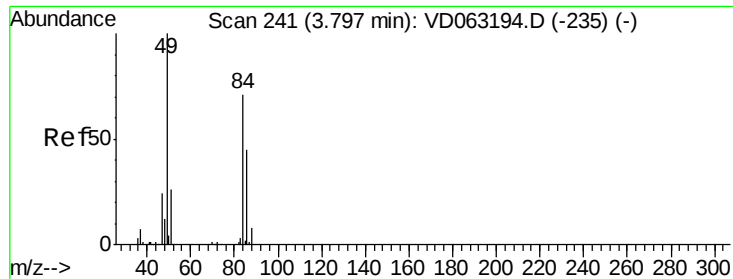
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

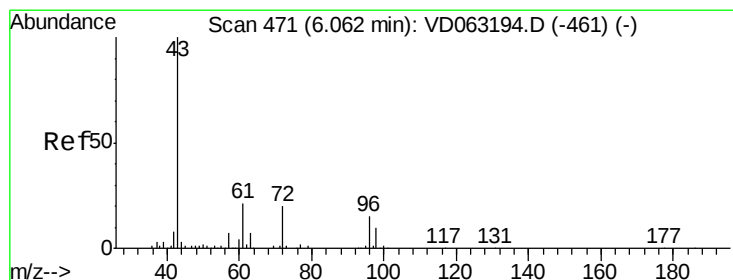
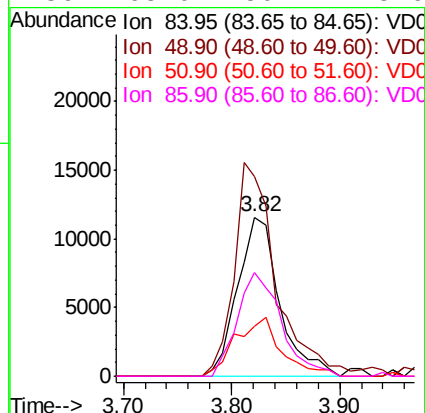
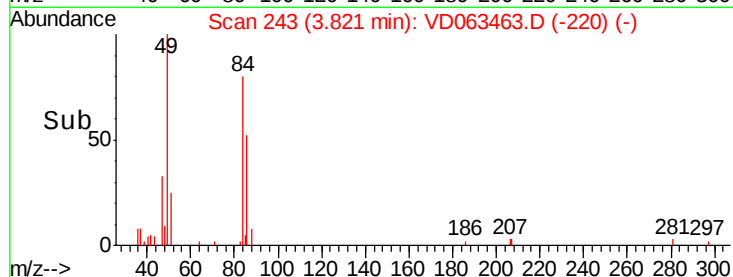
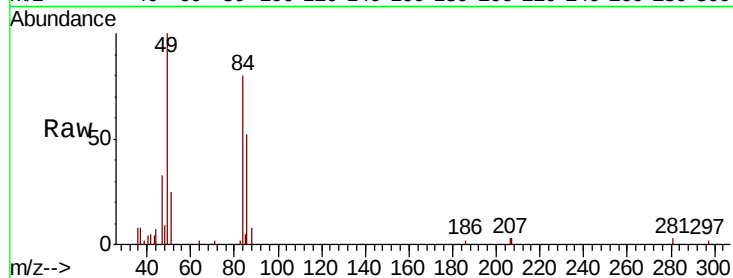




#20
Methylene Chloride
Concen: 3.640 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063463.D
Acq: 9 Aug 2019 4:19

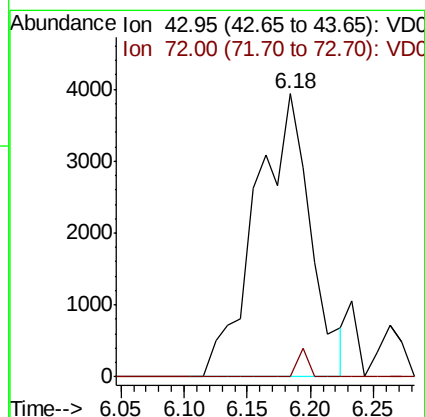
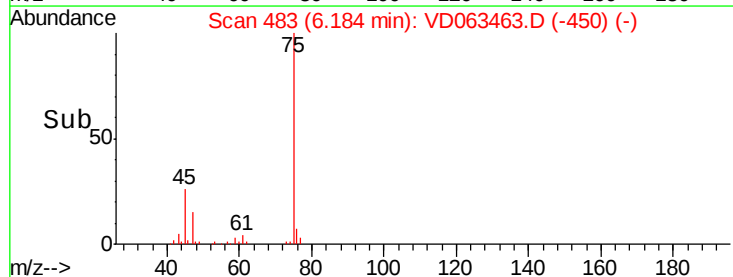
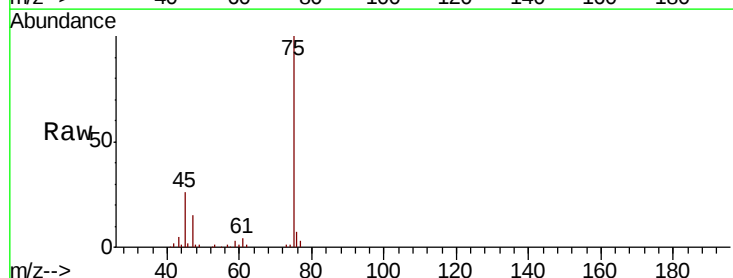
Instrument :
MSVOA_D
ClientSampleId :
SB-05(0-2)

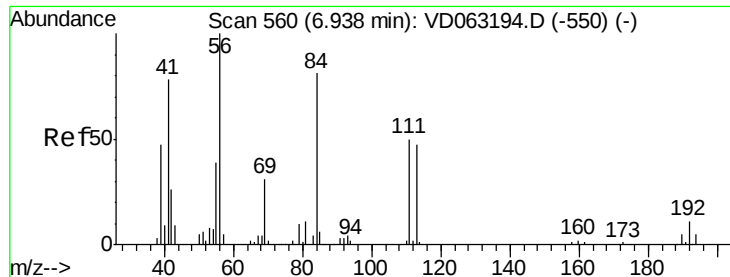
Tgt Ion: 84 Resp: 31295
Ion Ratio Lower Upper
84 100
49 125.1 112.5 168.7
51 31.0 29.6 44.4
86 65.0 50.4 75.6



#25
2-Butanone
Concen: 5.557 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.12 min
Lab File: VD063463.D
Acq: 9 Aug 2019 4:19

Tgt Ion: 43 Resp: 11863
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#

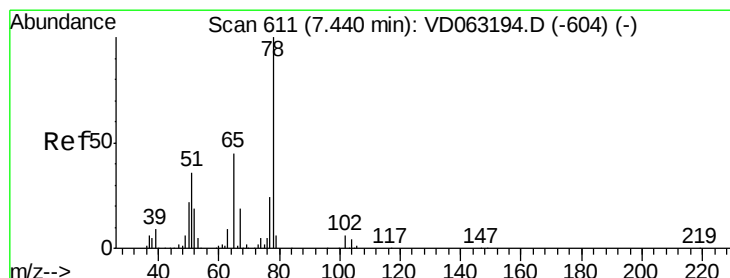
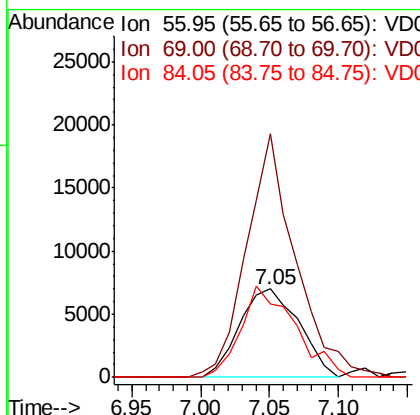
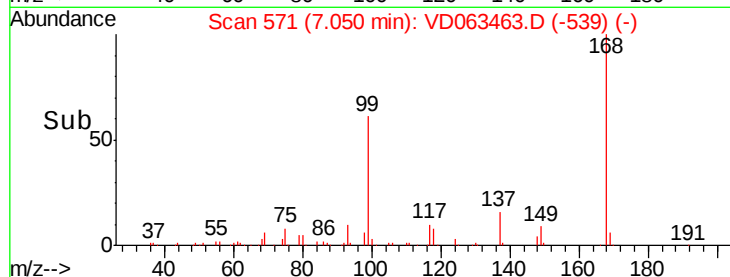
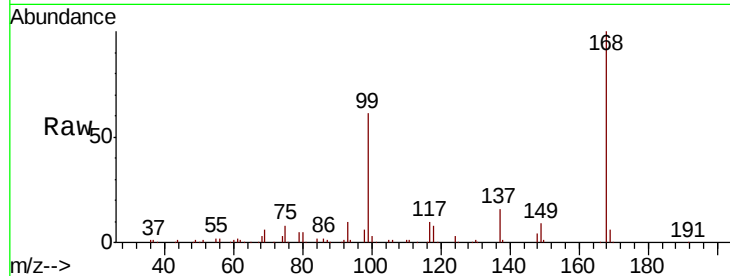




#31
Cyclohexane
Concen: 2.159 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063463.D
Acq: 9 Aug 2019 4:19

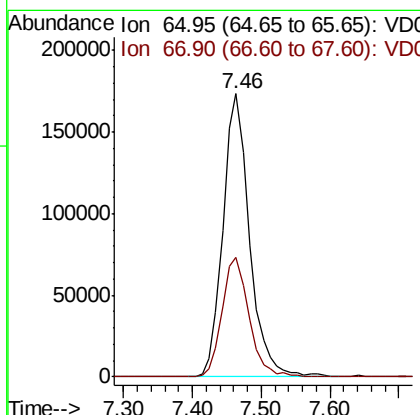
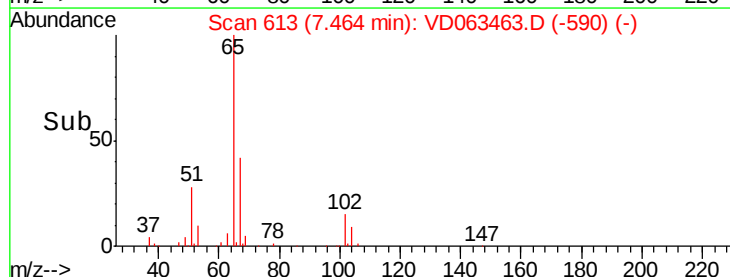
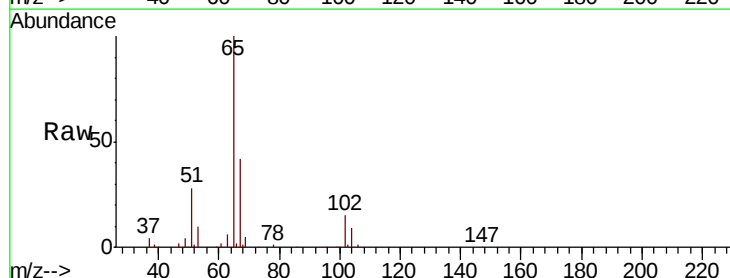
Instrument :
MSVOA_D
ClientSampleId :
SB-05(0-2)

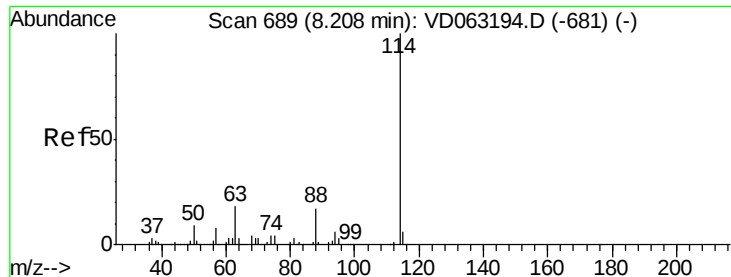
Tgt Ion: 56 Resp: 20998
Ion Ratio Lower Upper
56 100
69 275.0 24.5 36.7#
84 82.8 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 42.450 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063463.D
Acq: 9 Aug 2019 4:19

Tgt Ion: 65 Resp: 463469
Ion Ratio Lower Upper
65 100
67 42.3 0.0 85.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063463.D

Acq: 9 Aug 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

SB-05(0-2)

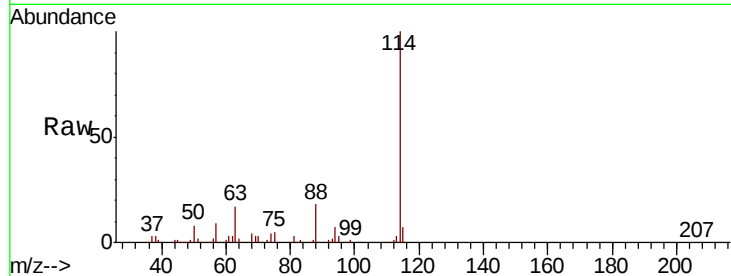
Tgt Ion:114 Resp: 1333796

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.2

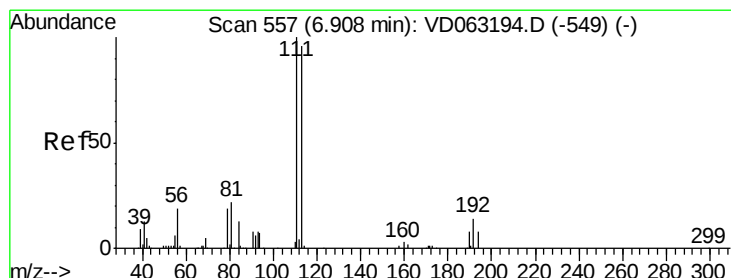
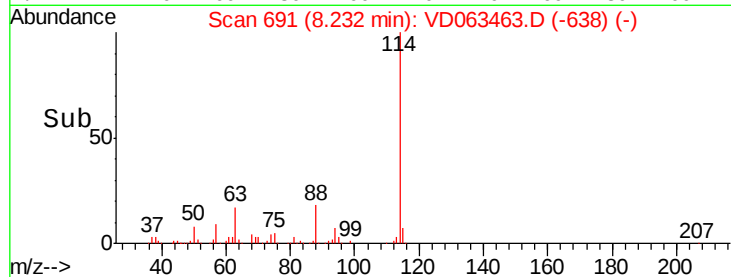
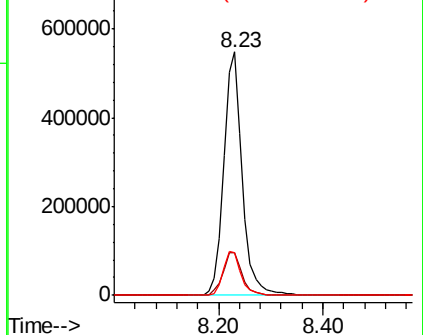
88 17.7 0.0 34.6



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: 44.919 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063463.D

Acq: 9 Aug 2019 4:19

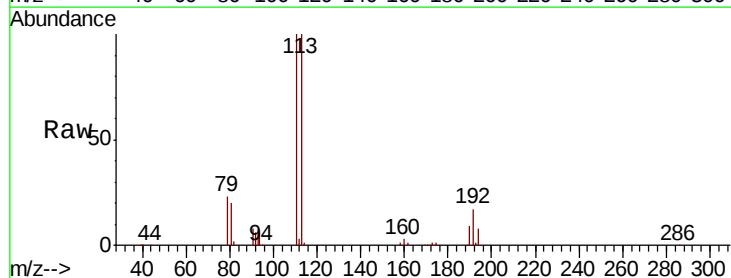
Tgt Ion:113 Resp: 511530

Ion Ratio Lower Upper

113 100

111 99.8 83.2 124.8

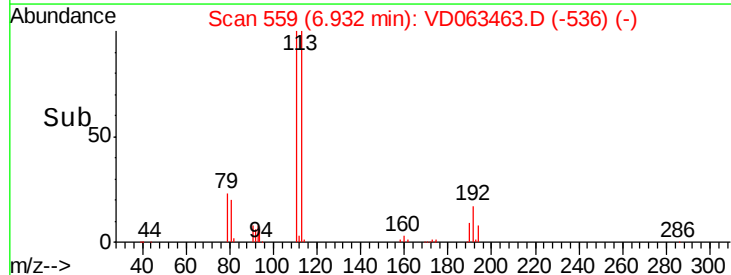
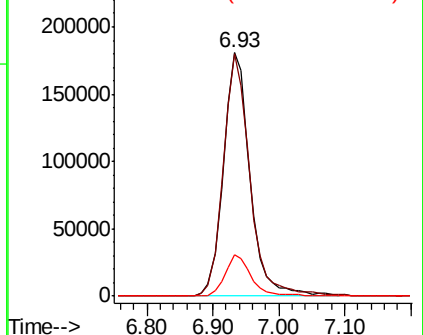
192 16.9 11.8 17.8

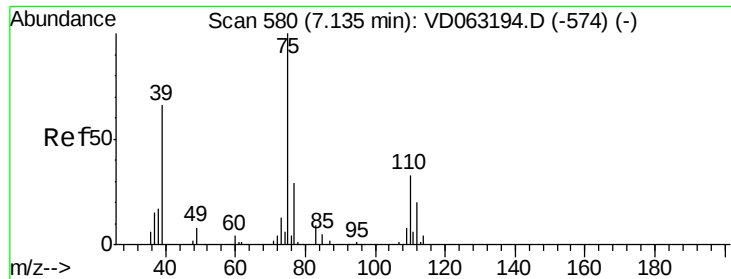


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.250 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063463.D

Acq: 9 Aug 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

SB-05(0-2)

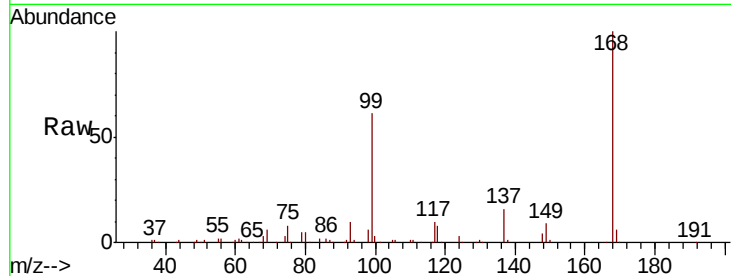
Tgt Ion: 75 Resp: 76083

Ion Ratio Lower Upper

75 100

110 7.9 16.1 48.2#

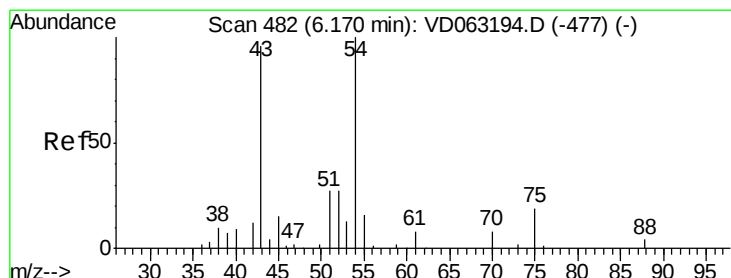
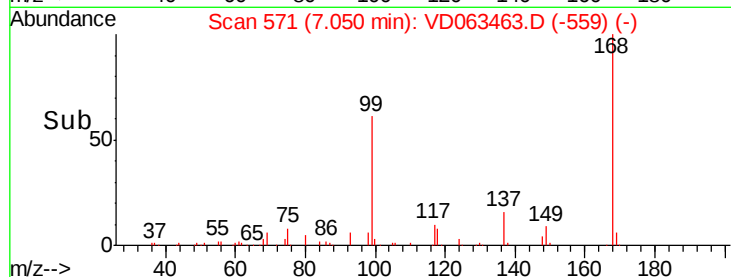
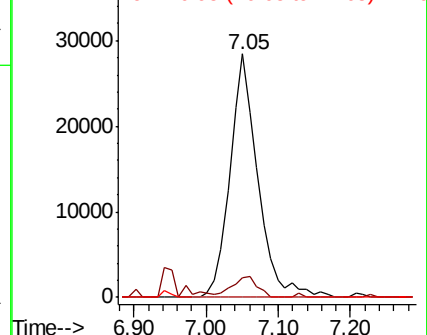
77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 2.283 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD063463.D

Acq: 9 Aug 2019 4:19

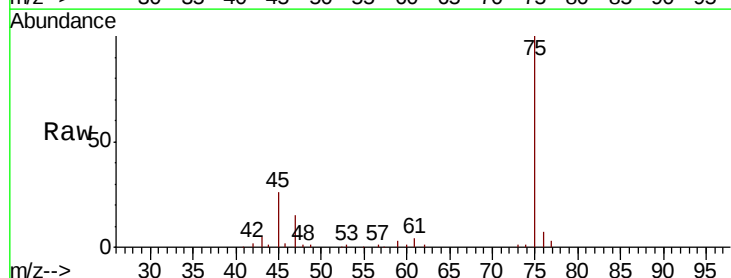
Tgt Ion: 43 Resp: 12487

Ion Ratio Lower Upper

43 100

61 93.4 11.3 16.9#

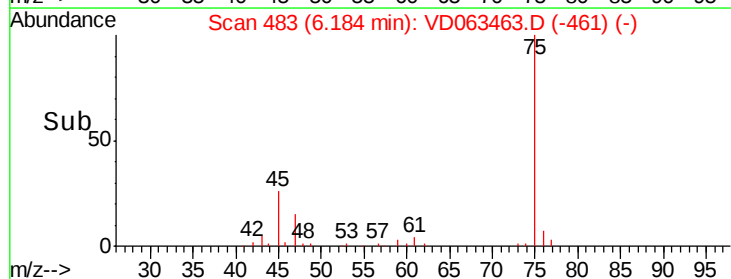
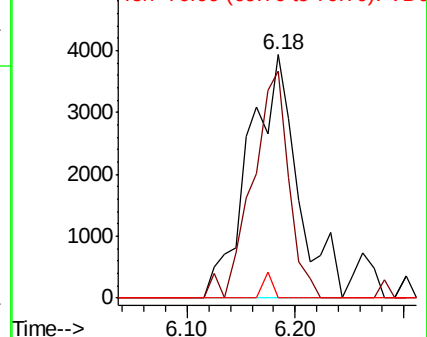
70 0.0 5.1 7.7#

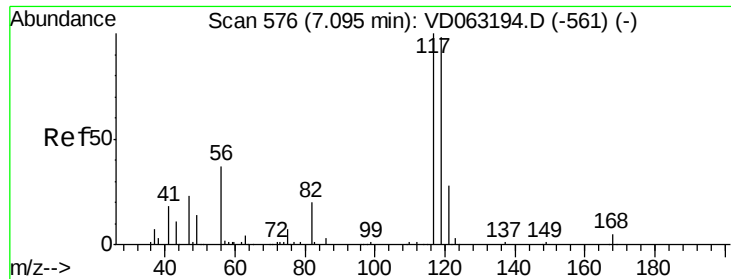


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

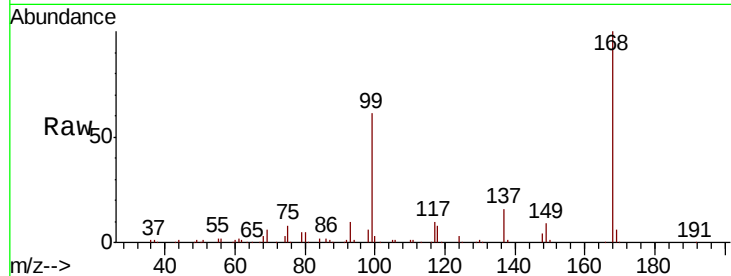




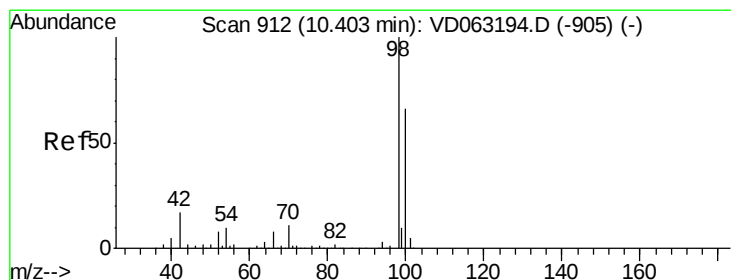
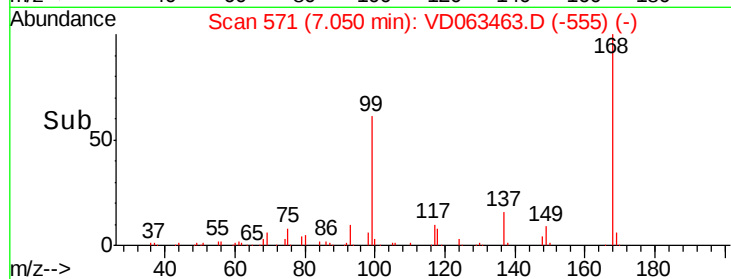
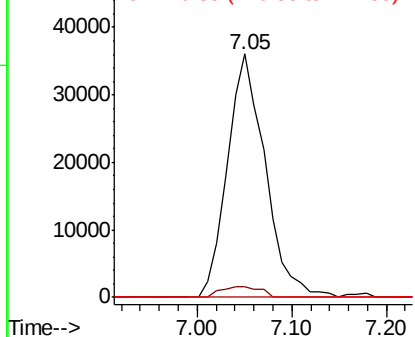
#38
Carbon Tetrachloride
Concen: 5.464 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD063463.D
Acq: 9 Aug 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
SB-05(0-2)

Tgt Ion: 117 Resp: 100124
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 22.1 33.1#

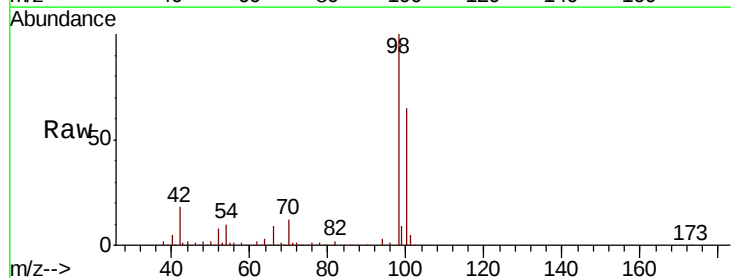


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

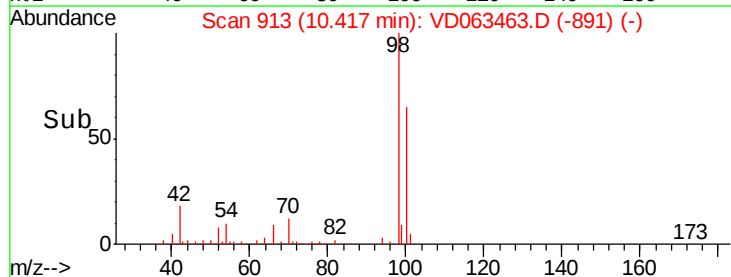
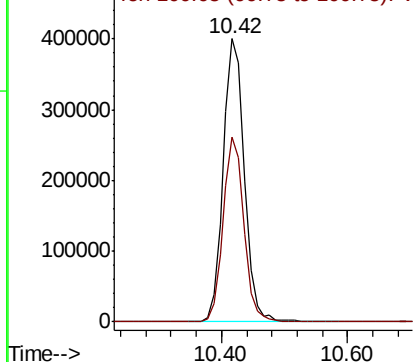


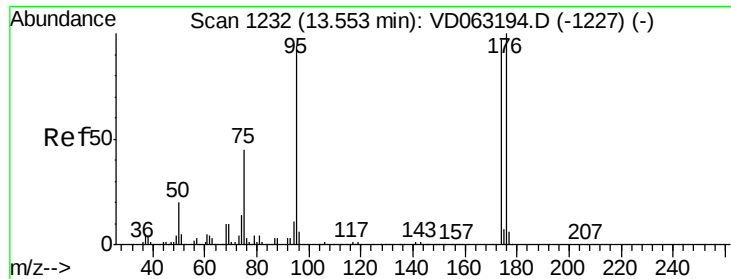
#50
Toluene-d8
Concen: 36.395 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063463.D
Acq: 9 Aug 2019 4:19

Tgt Ion: 98 Resp: 927552
Ion Ratio Lower Upper
98 100
100 65.4 53.2 79.8



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





#62

4-Bromofluorobenzene

Concen: 23.450 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063463.D

Acq: 9 Aug 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

SB-05(0-2)

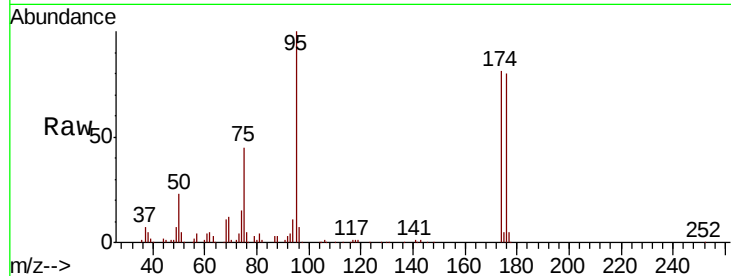
Tgt Ion: 95 Resp: 272348

Ion Ratio Lower Upper

95 100

174 81.4 0.0 205.4

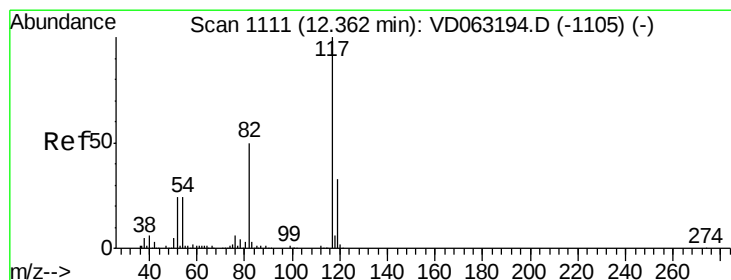
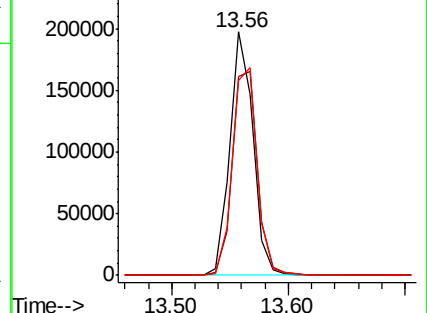
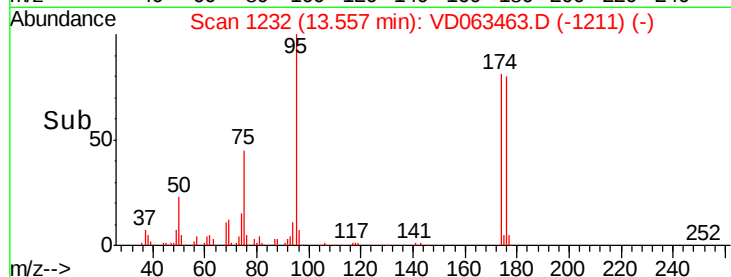
176 79.8 0.0 211.8



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: 12.38 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063463.D

Acq: 9 Aug 2019 4:19

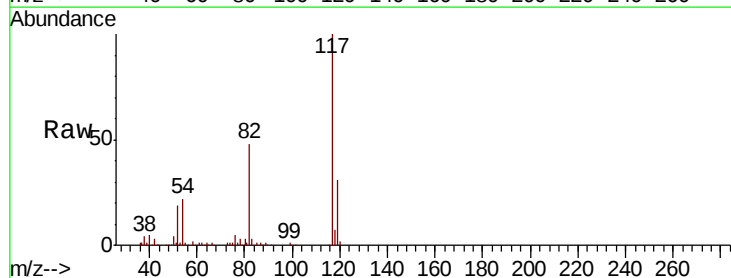
Tgt Ion: 117 Resp: 903720

Ion Ratio Lower Upper

117 100

82 47.8 40.1 60.1

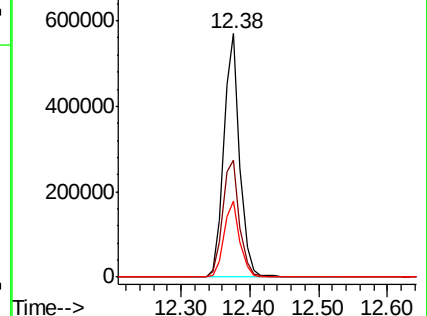
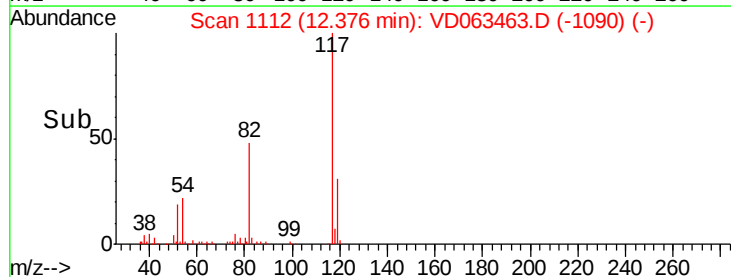
119 31.1 26.5 39.7

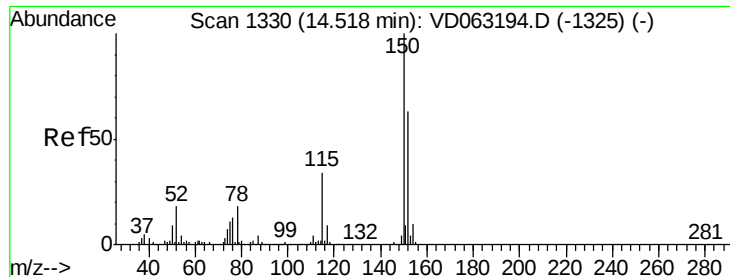


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063463.D

Acq: 9 Aug 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

SB-05(0-2)

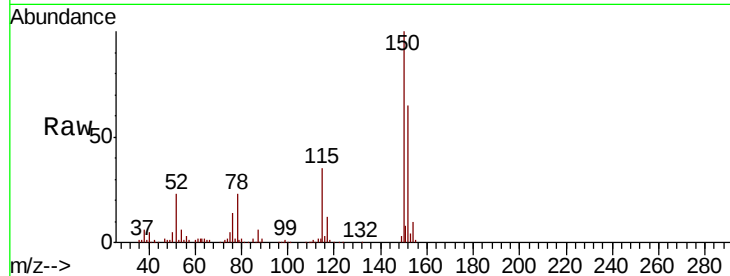
Tgt Ion:152 Resp: 251379

Ion Ratio Lower Upper

152 100

115 54.4 27.5 82.4

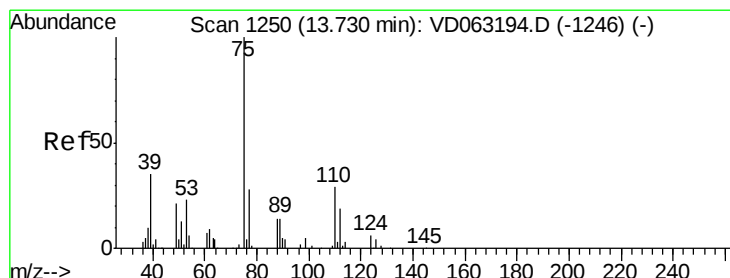
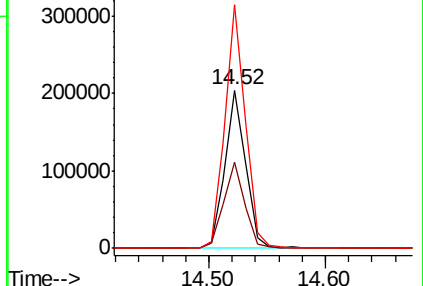
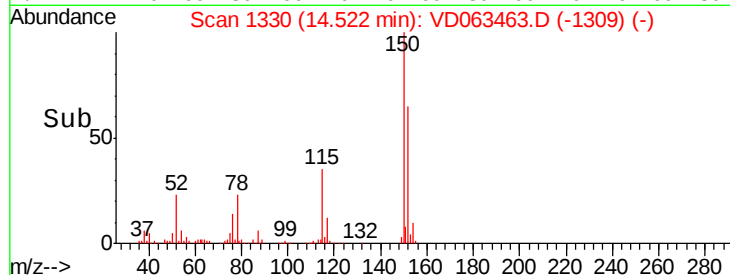
150 154.1 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 32.060 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063463.D

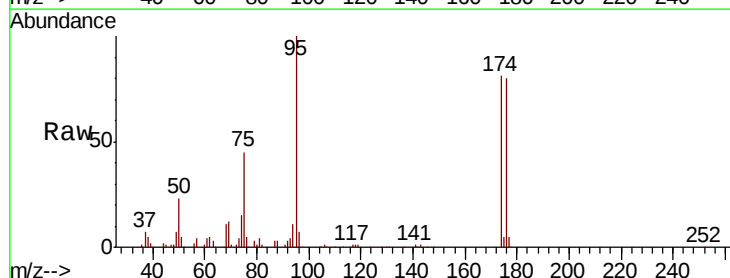
Acq: 9 Aug 2019 4:19

Tgt Ion: 75 Resp: 96801

Ion Ratio Lower Upper

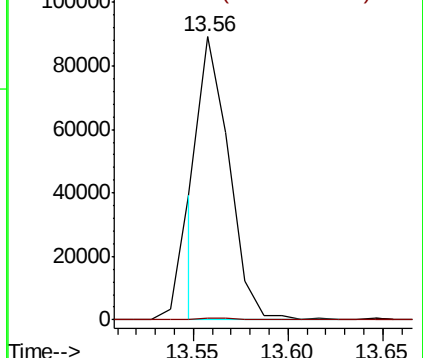
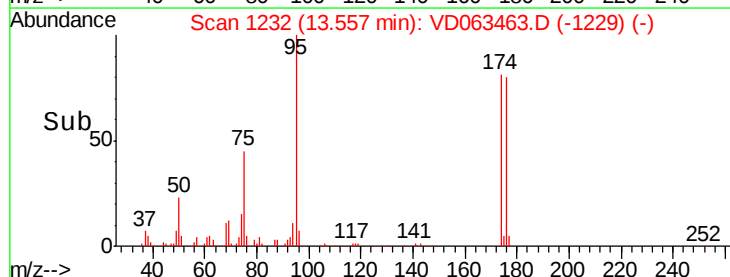
75 100

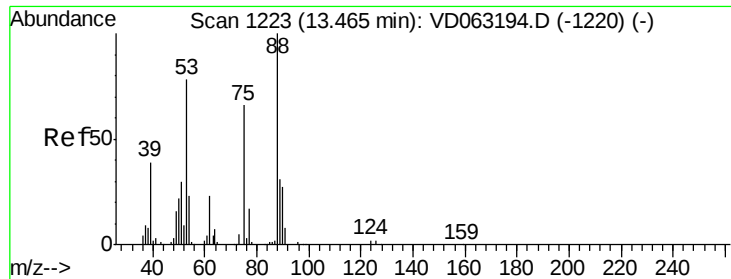
77 0.7 16.0 48.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 145.391 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063463.D

Acq: 9 Aug 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

SB-05(0-2)

Tgt Ion: 75 Resp: 121899

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

