

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063542.D
 Acq On : 13 Aug 2019 22:04
 Operator : JC/SY
 Sample : K4290-01
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:31:13 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	718495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	972548	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	550315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	130496	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	380879	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	6.93	113	436358	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
50) Toluene-d8	10.41	98	721661	40.07	ug/l	0.00
Spiked Amount			Recovery	=	80.14%	
62) 4-Bromofluorobenzene	13.56	95	151430	18.55	ug/l	0.00
Spiked Amount			Recovery	=	37.10%	

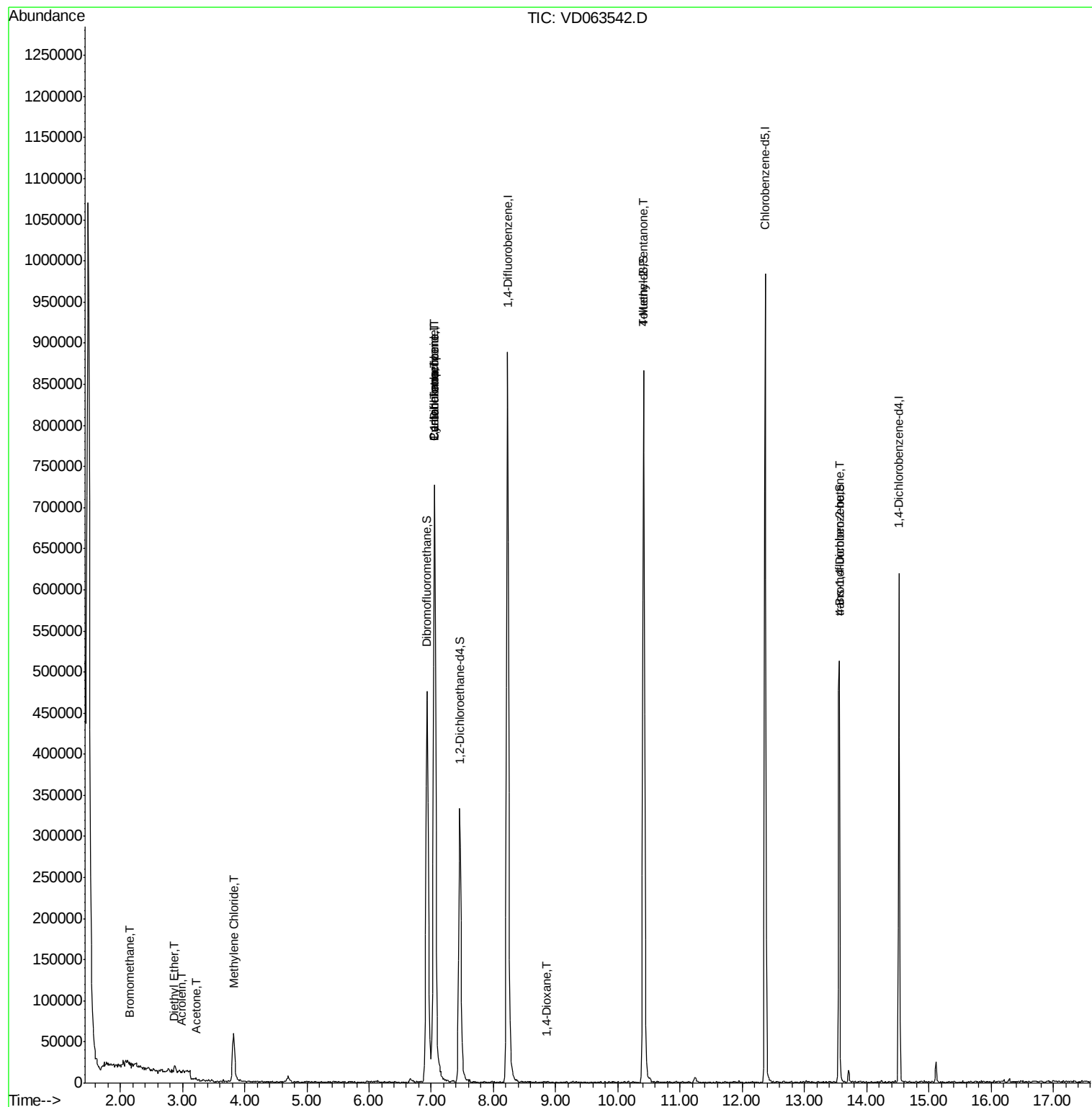
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	5184	1.630	ug/l #	11
8) Diethyl Ether	2.88	74	2284	1.223	ug/l	87
13) Acrolein	2.98	56	431	1.310	ug/l #	54
16) Acetone	3.23	43	4124	2.642	ug/l #	65
20) Methylene Chloride	3.83	84	37073	5.492	ug/l	93
31) Cyclohexane	7.05	56	15789	2.277	ug/l #	20
36) 1,1-Dichloropropene	7.05	75	55111	6.410	ug/l #	49
38) Carbon Tetrachloride	7.05	117	65213	5.033	ug/l #	15
49) 1,4-Dioxane	8.86	88	179	30.714	ug/l #	34
51) 4-Methyl-2-Pentanone	10.40	43	5928	1.795	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	69229	171.984	ug/l #	1

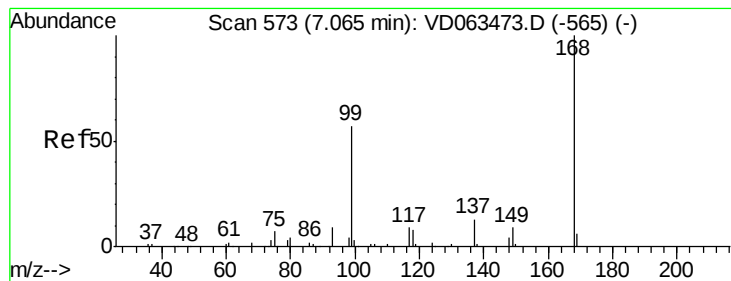
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063542.D
Acq On : 13 Aug 2019 22:04
Operator : JC/SY
Sample : K4290-01
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 14 08:31:13 2019
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# 572

Delta R.T. -0.01 min

Lab File: VD063542.D

Acq: 13 Aug 2019 22:04

Instrument :

MSVOA_D

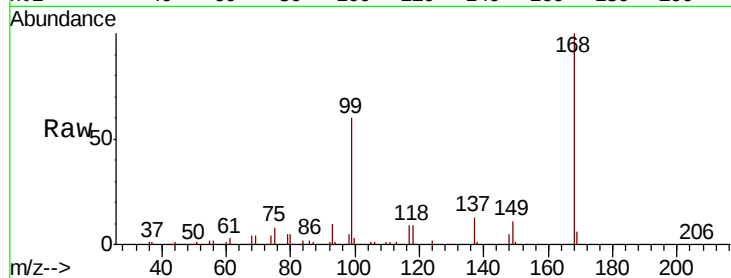
ClientSampleId :

Tot Ion:168 Resp: 718495

Ion Ratio Lower Upper

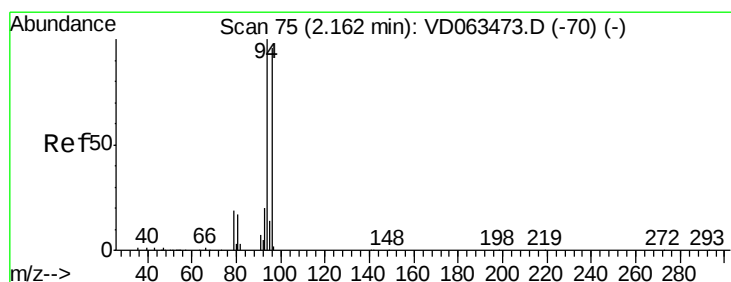
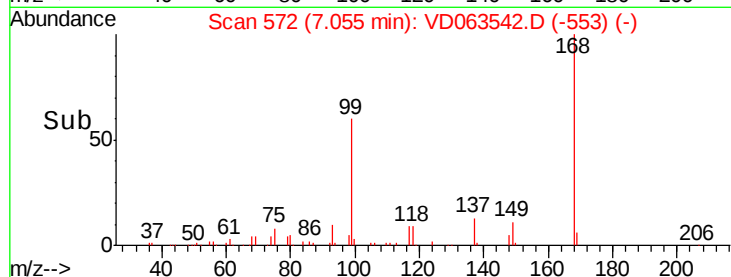
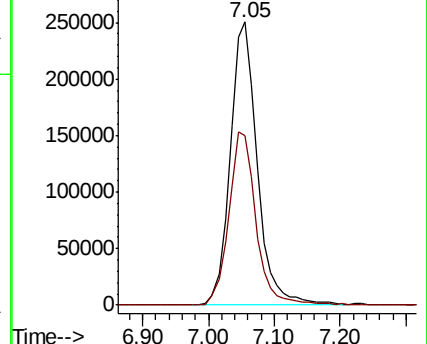
168 100

99 60.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.630 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063542.D

Acq: 13 Aug 2019 22:04

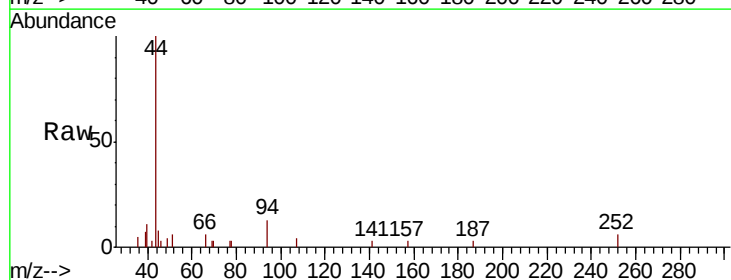
Tgt Ion: 94 Resp: 5184

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

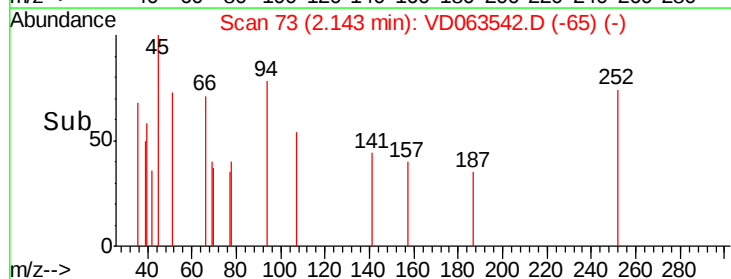
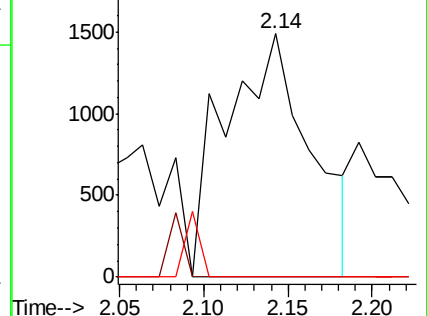
93 0.0 15.8 23.8#

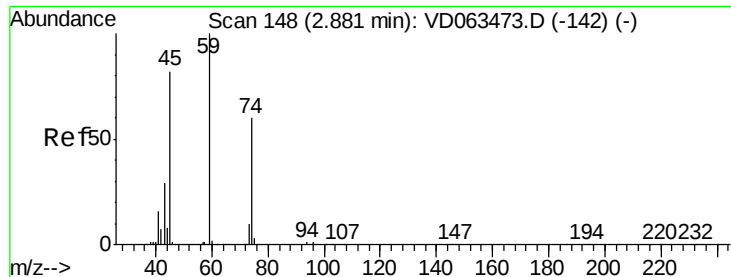


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.223 ug/l

RT: 2.88 min Scan# 148

Delta R.T. -0.00 min

Lab File: VD063542.D

Acq: 13 Aug 2019 22:04

Instrument :

MSVOA_D

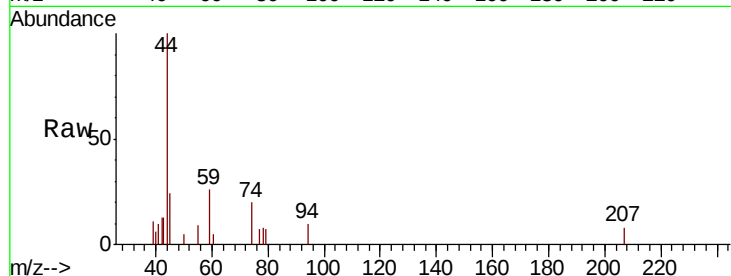
ClientSampleId :

Tot Ion: 74 Resp: 2284

Ion Ratio Lower Upper

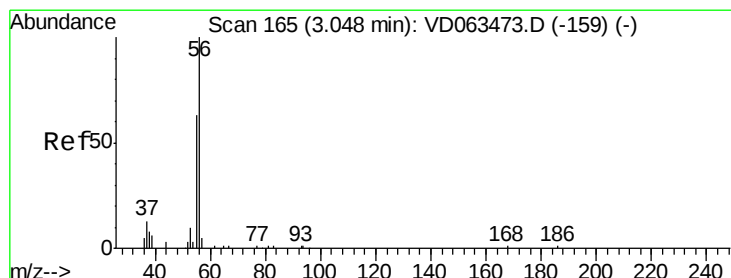
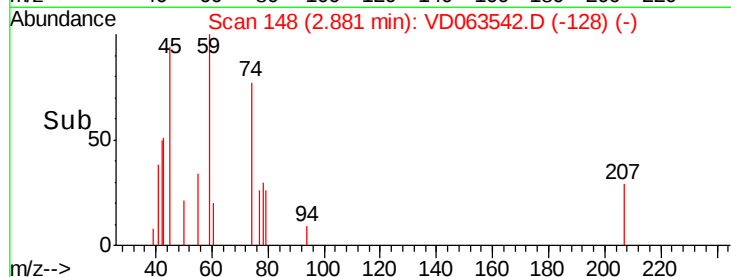
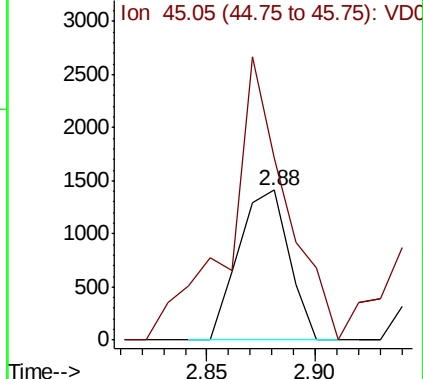
74 100

45 121.9 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#13

Acrolein

Concen: 1.310 ug/l

RT: 2.98 min Scan# 158

Delta R.T. -0.07 min

Lab File: VD063542.D

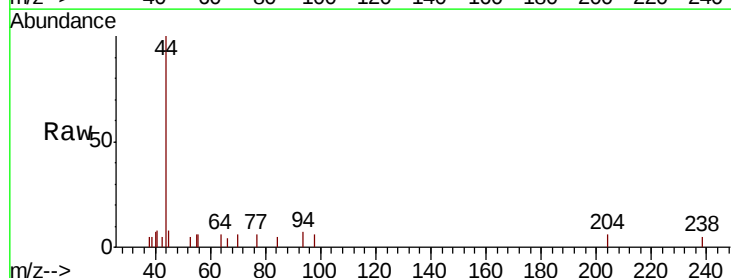
Acq: 13 Aug 2019 22:04

Tgt Ion: 56 Resp: 431

Ion Ratio Lower Upper

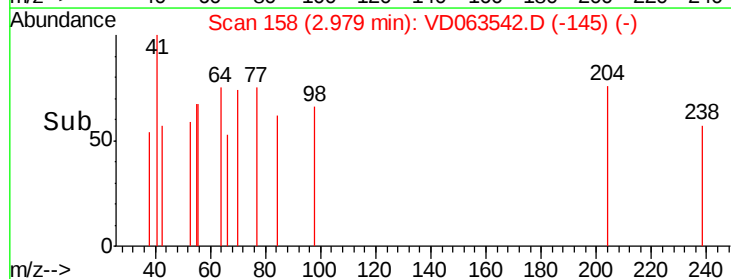
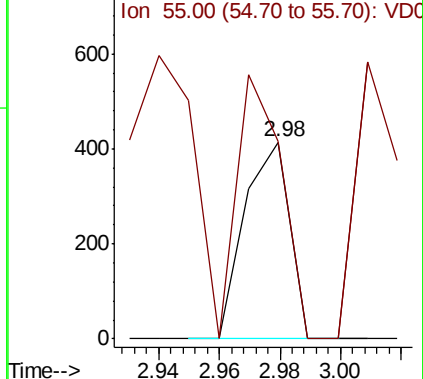
56 100

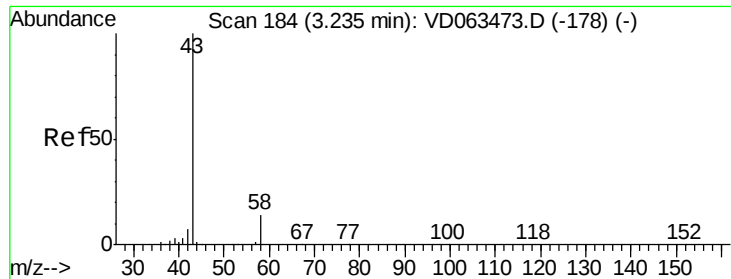
55 100.2 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 2.642 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063542.D

Acq: 13 Aug 2019 22:04

Instrument :

MSVOA_D

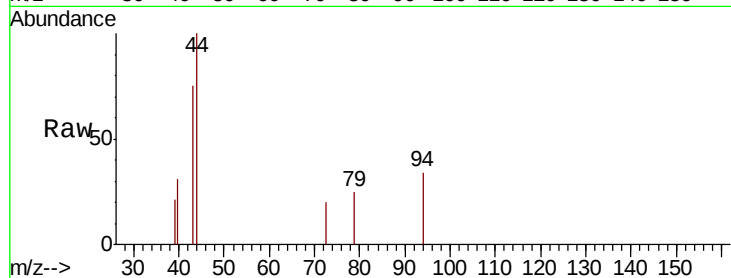
ClientSampleId :

Tot Ion: 43 Resp: 4124

Ion Ratio Lower Upper

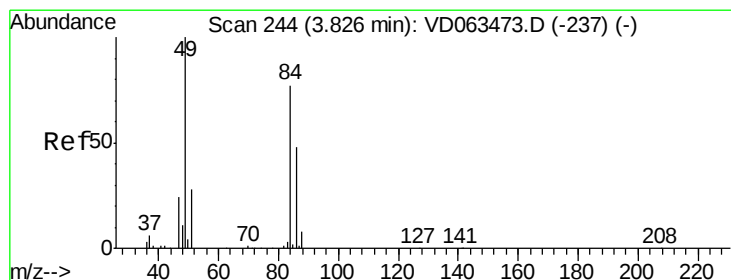
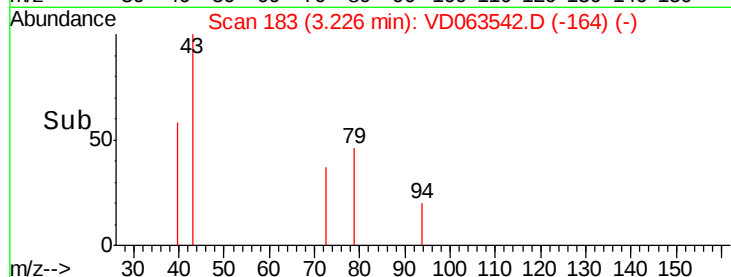
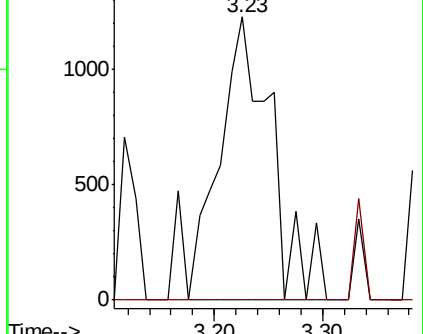
43 100

58 0.0 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: 5.492 ug/l

RT: 3.83 min Scan# 244

Delta R.T. -0.00 min

Lab File: VD063542.D

Acq: 13 Aug 2019 22:04

Tgt Ion: 84 Resp: 37073

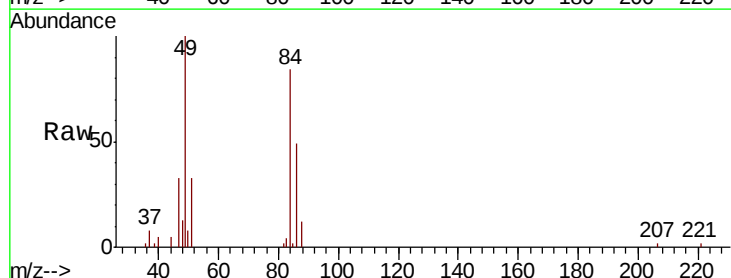
Ion Ratio Lower Upper

84 100

49 119.7 103.4 155.2

51 39.3 28.5 42.7

86 58.8 49.4 74.2

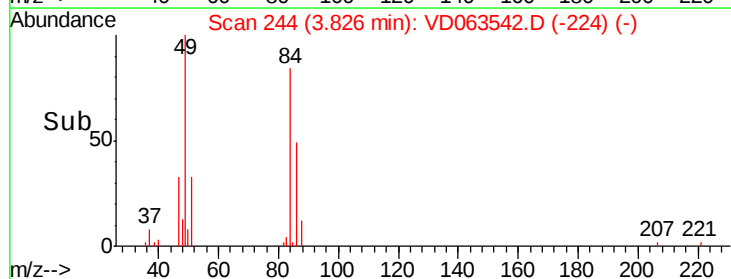
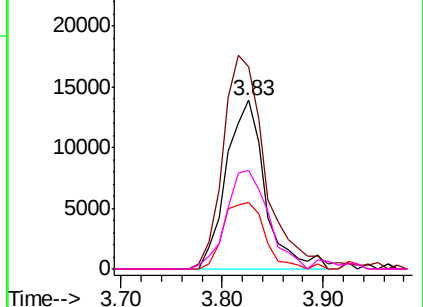


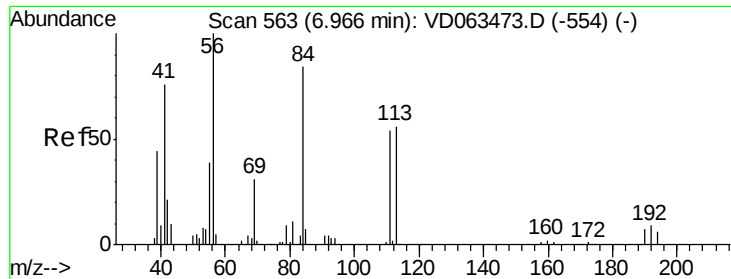
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

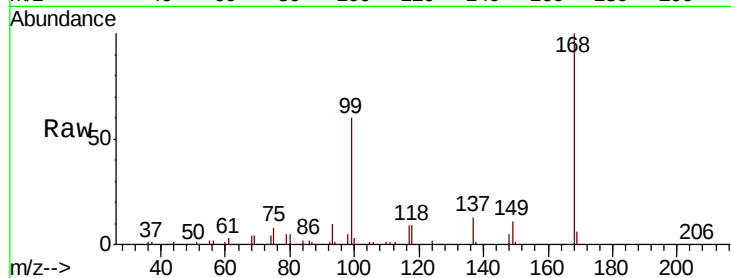




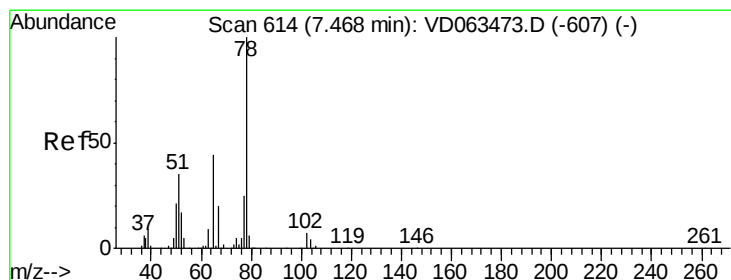
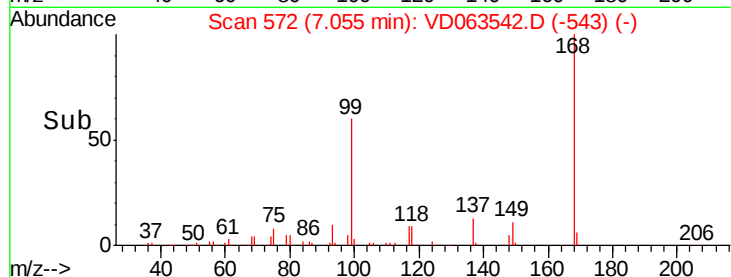
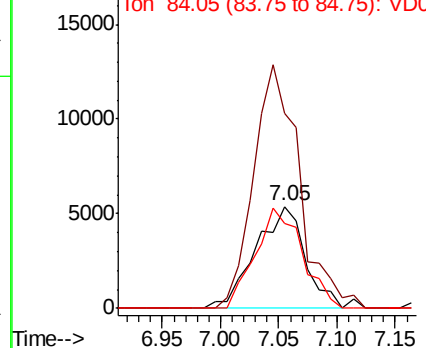
#31
Cyclohexane
Concen: 2.277 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD063542.D
Acq: 13 Aug 2019 22:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 15789
Ion Ratio Lower Upper
56 100
69 191.5 25.0 37.6#
84 82.9 69.7 104.5

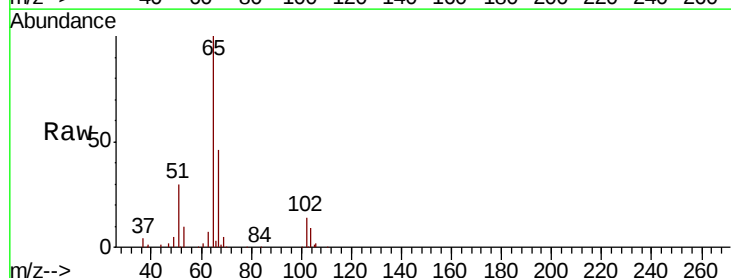


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

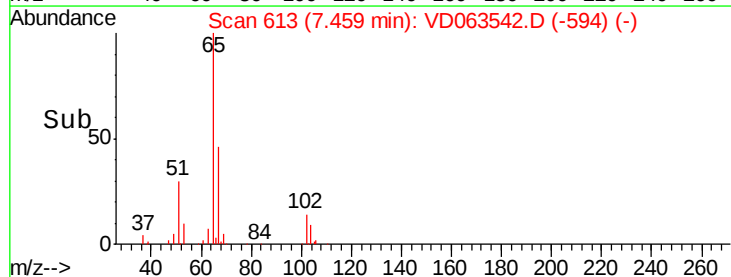
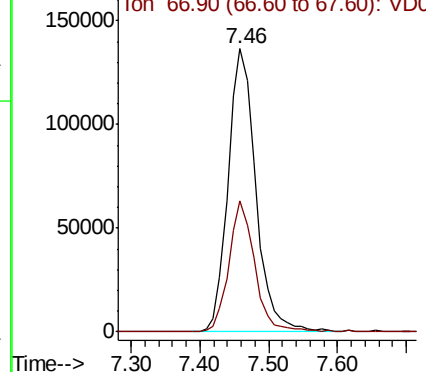


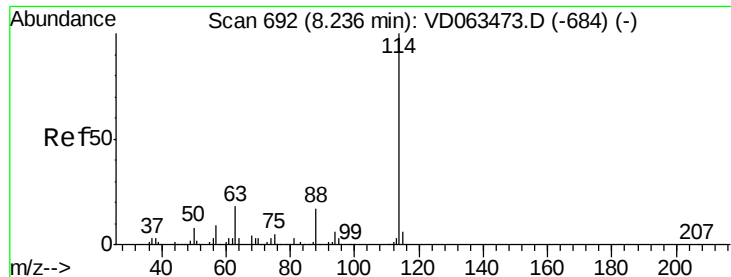
#33
1,2-Dichloroethane-d4
Concen: 49.593 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063542.D
Acq: 13 Aug 2019 22:04

Tgt Ion: 65 Resp: 380879
Ion Ratio Lower Upper
65 100
67 46.2 0.0 89.2



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: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063542.D

Acq: 13 Aug 2019 22:04

Instrument :

MSVOA_D

ClientSampleId :

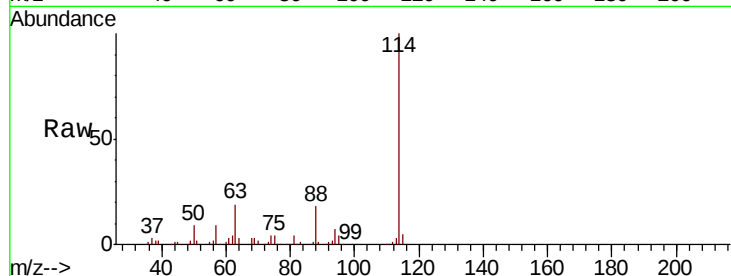
Tot Ion:114 Resp: 972548

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

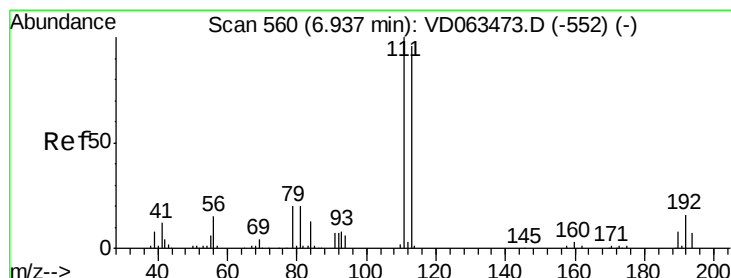
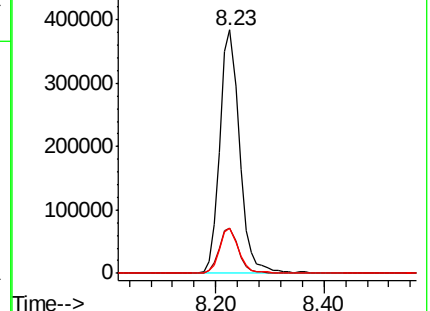
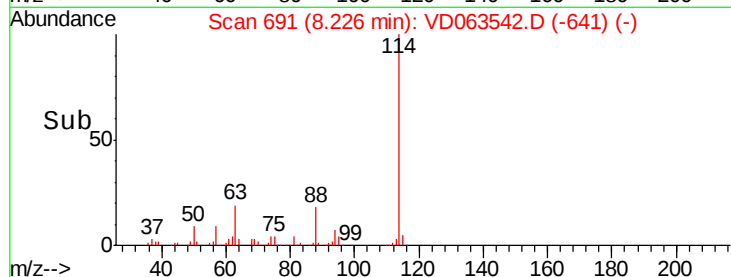
88 18.3 0.0 35.0



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: 53.274 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063542.D

Acq: 13 Aug 2019 22:04

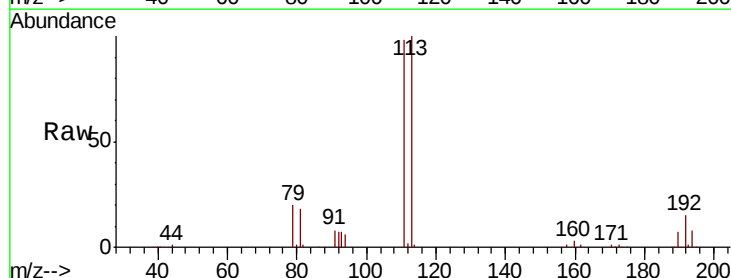
Tgt Ion:113 Resp: 436358

Ion Ratio Lower Upper

113 100

111 97.6 83.1 124.7

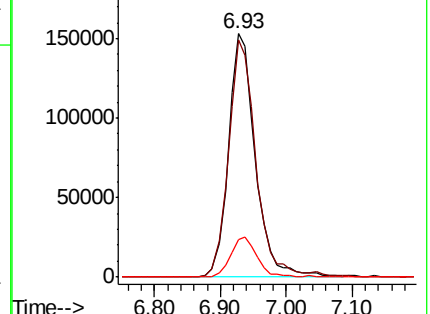
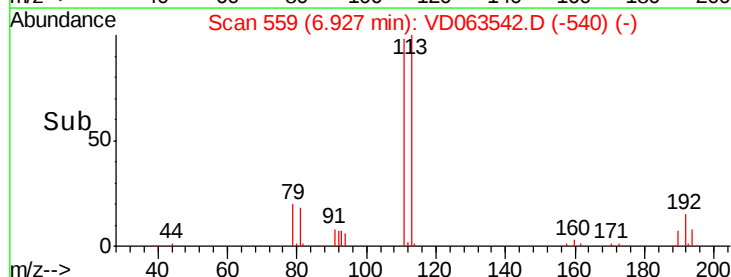
192 15.3 13.1 19.7

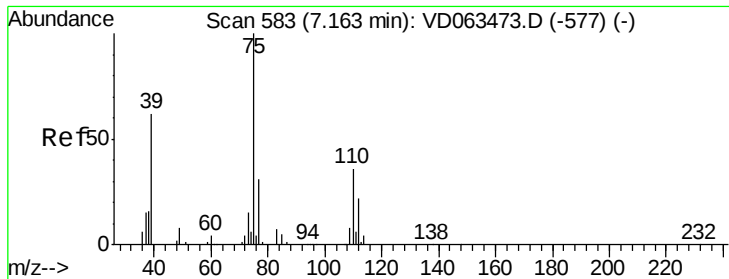


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

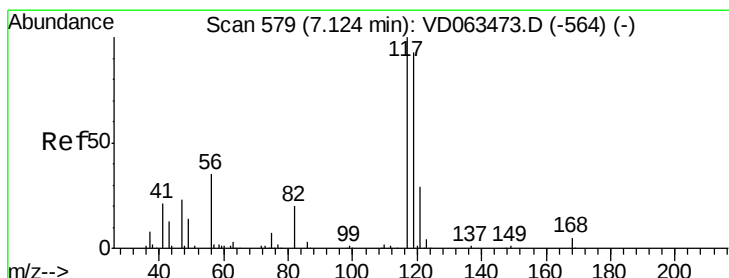
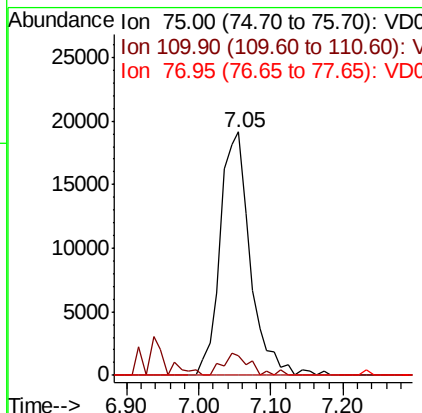
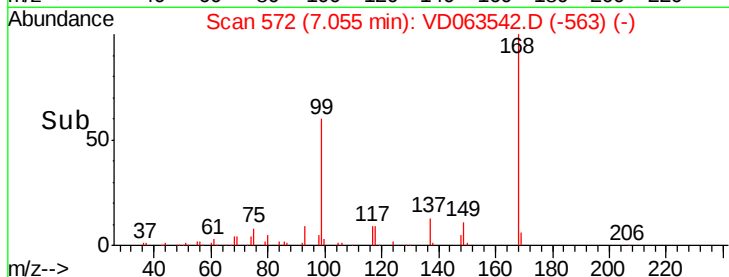
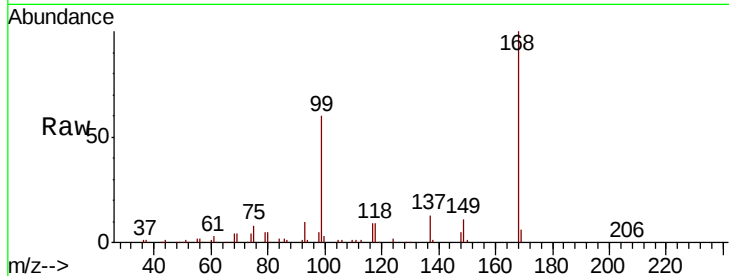




#36
 1,1-Dichloropropene
 Concen: 6.410 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.11 min
 Lab File: VD063542.D
 Acq: 13 Aug 2019 22:04

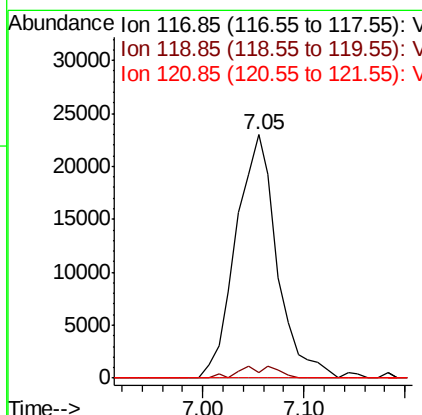
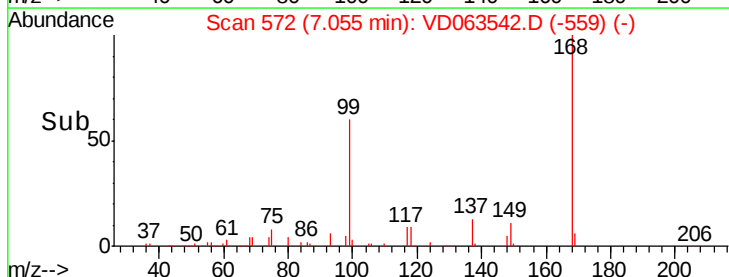
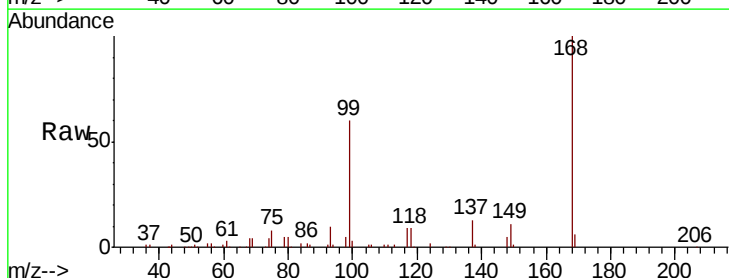
Instrument :
 MSVOA_D
 ClientSampleID :

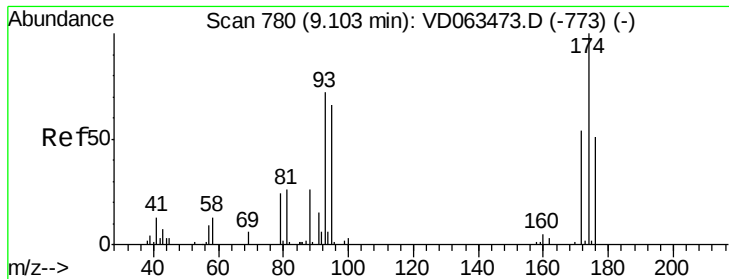
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.033 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD063542.D
 Acq: 13 Aug 2019 22:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.5	74.2	111.2#
121	0.0	23.1	34.7#

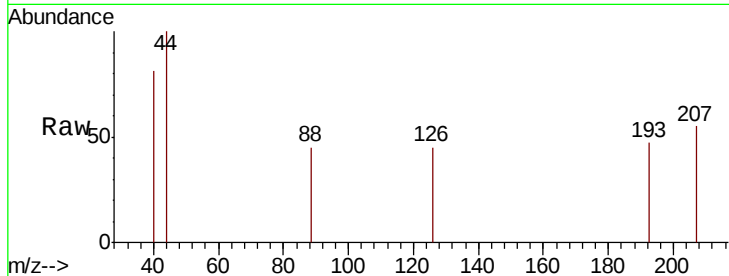




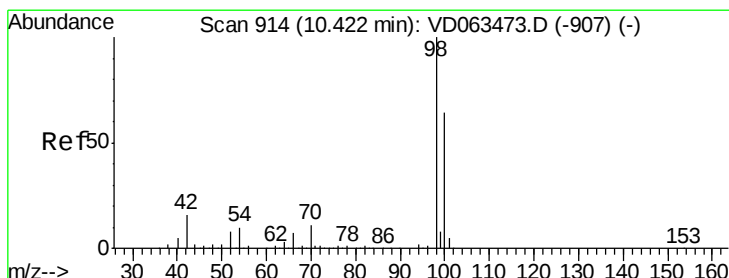
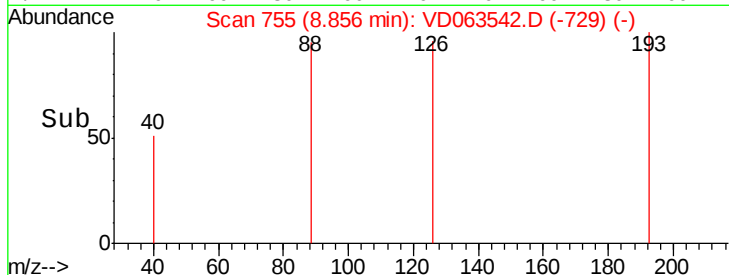
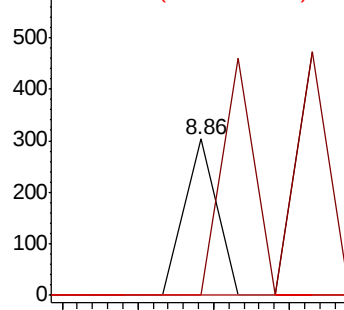
#49
1,4-Dioxane
Concen: 30.714 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.25 min
Lab File: VD063542.D
Acq: 13 Aug 2019 22:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 179
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 0.0 40.1 60.1#

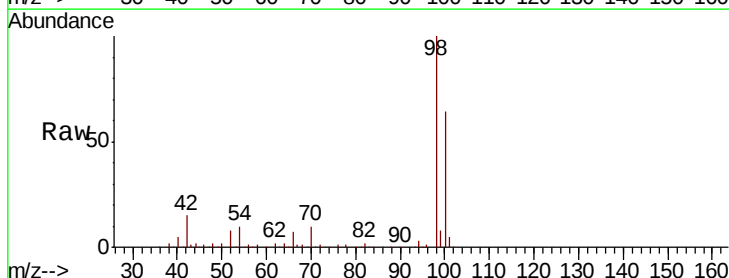


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

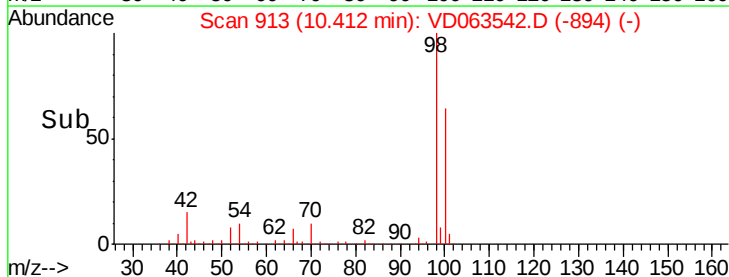
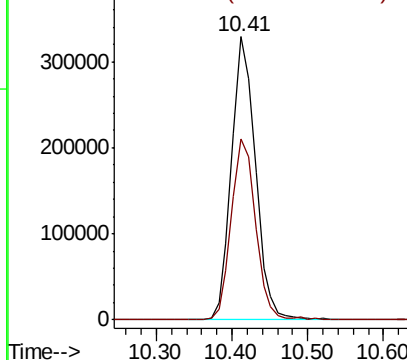


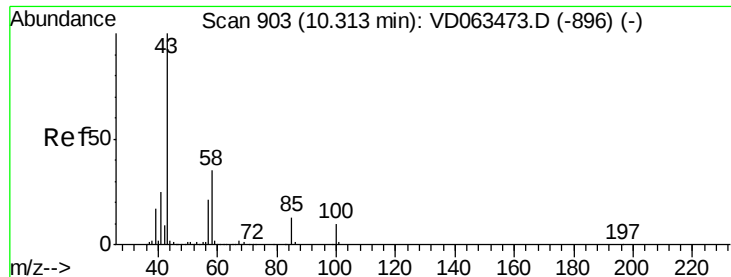
#50
Toluene-d8
Concen: 40.074 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063542.D
Acq: 13 Aug 2019 22:04

Tgt Ion: 98 Resp: 721661
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



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

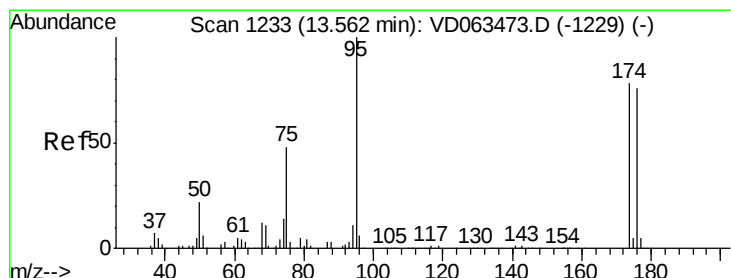
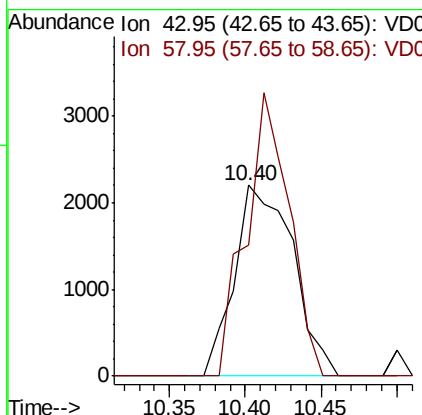
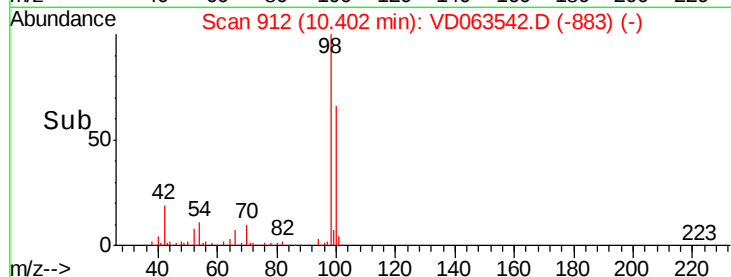
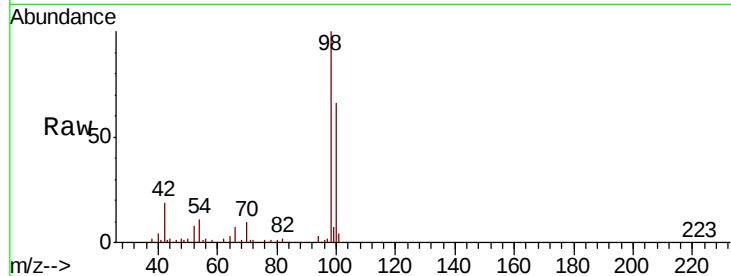




#51
4-Methyl-2-Pentanone
Concen: 1.795 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.09 min
Lab File: VD063542.D
Acq: 13 Aug 2019 22:04

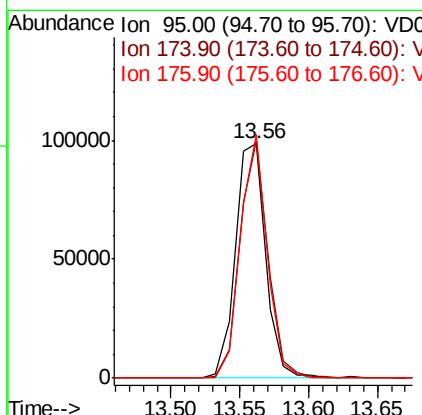
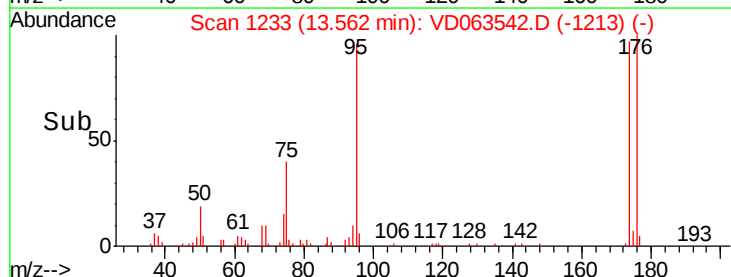
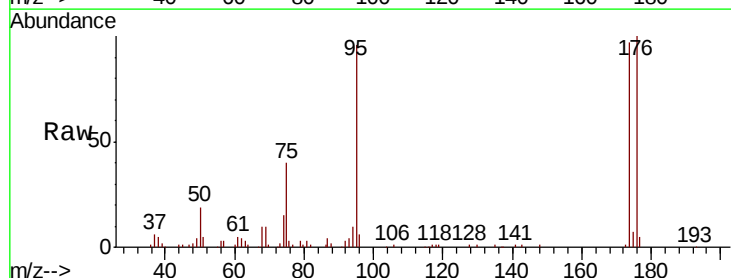
Instrument :
MSVOA_D
ClientSampleId :

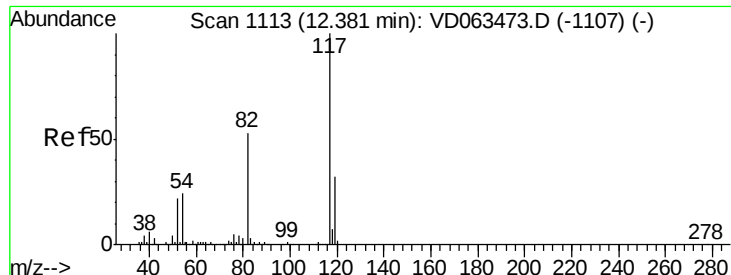
Tot Ion: 43 Resp: 5928
Ion Ratio Lower Upper
43 100
58 68.4 28.0 42.0#



#62
4-Bromofluorobenzene
Concen: 18.553 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD063542.D
Acq: 13 Aug 2019 22:04

Tgt Ion: 95 Resp: 151430
Ion Ratio Lower Upper
95 100
174 100.9 0.0 155.4
176 103.8 0.0 152.4

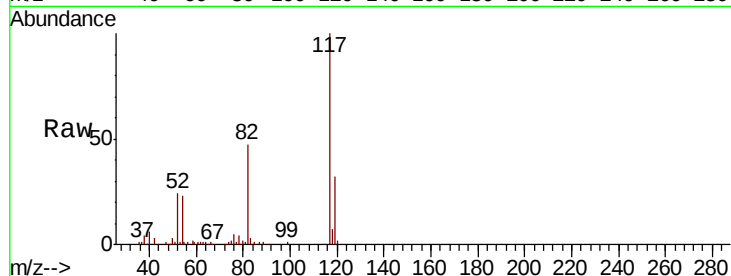




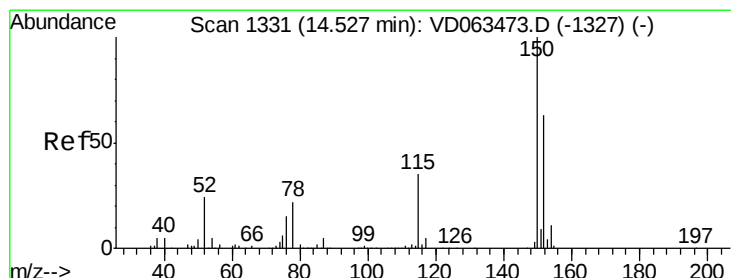
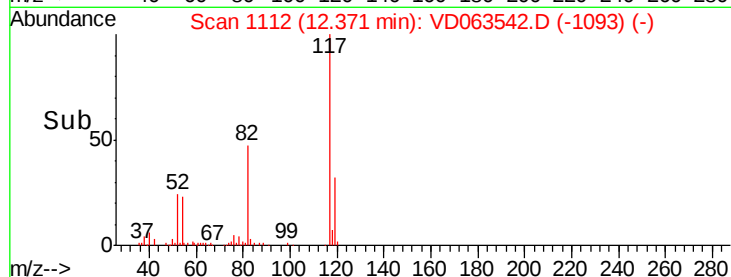
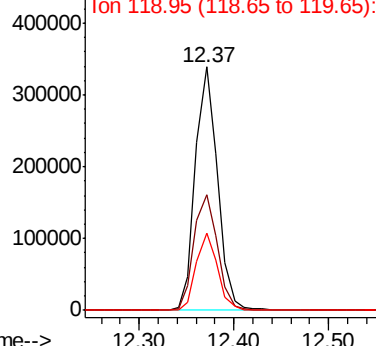
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063542.D
Acq: 13 Aug 2019 22:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.3	42.0	63.0
119	31.9	25.4	38.0

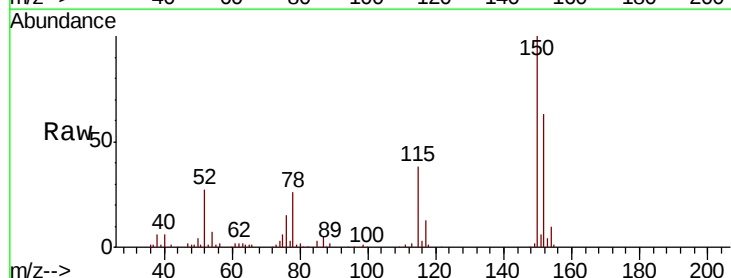


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

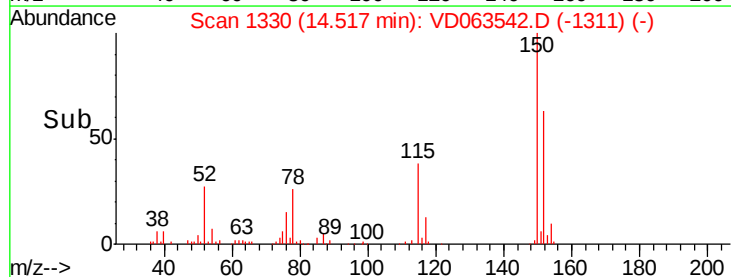
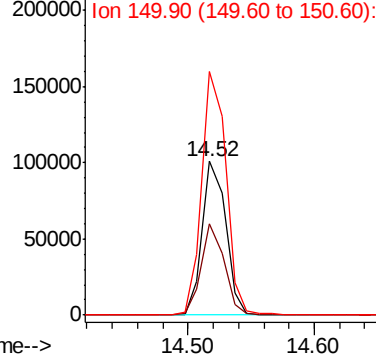


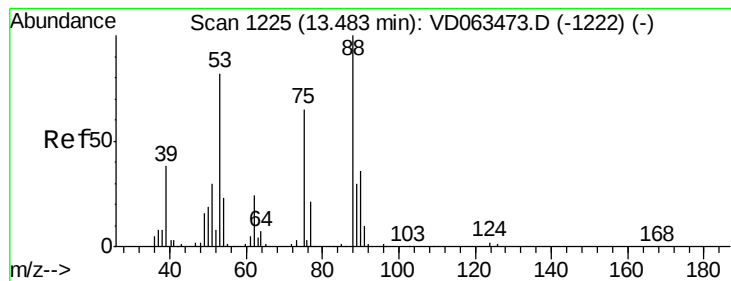
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063542.D
Acq: 13 Aug 2019 22:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.9	92.7
150	158.6	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: 171.984 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063542.D

Acq: 13 Aug 2019 22:04

Instrument :

MSVOA_D

ClientSampleId :

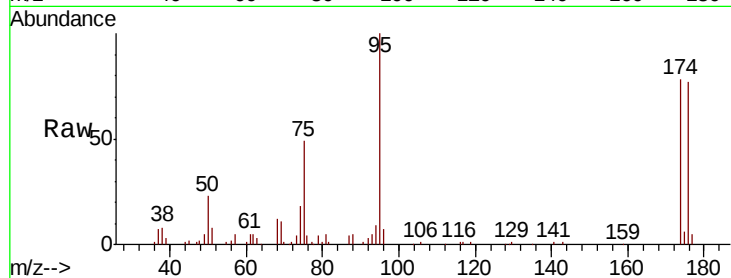
Tot Ion: 75 Resp: 69229

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

