

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063579.D
 Acq On : 14 Aug 2019 17:37
 Operator : JC/SY
 Sample : K4238-05RE
 Misc : 5.31g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:01:06 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	7.04	168	1051194	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1480955	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1239355	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	628815	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	517884	46.09	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.18%	
35) Dibromofluoromethane	6.93	113	549503	44.06	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	88.12%	
50) Toluene-d8	10.41	98	1001216	36.51	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	73.02%	
62) 4-Bromofluorobenzene	13.55	95	441333	35.51	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	71.02%	

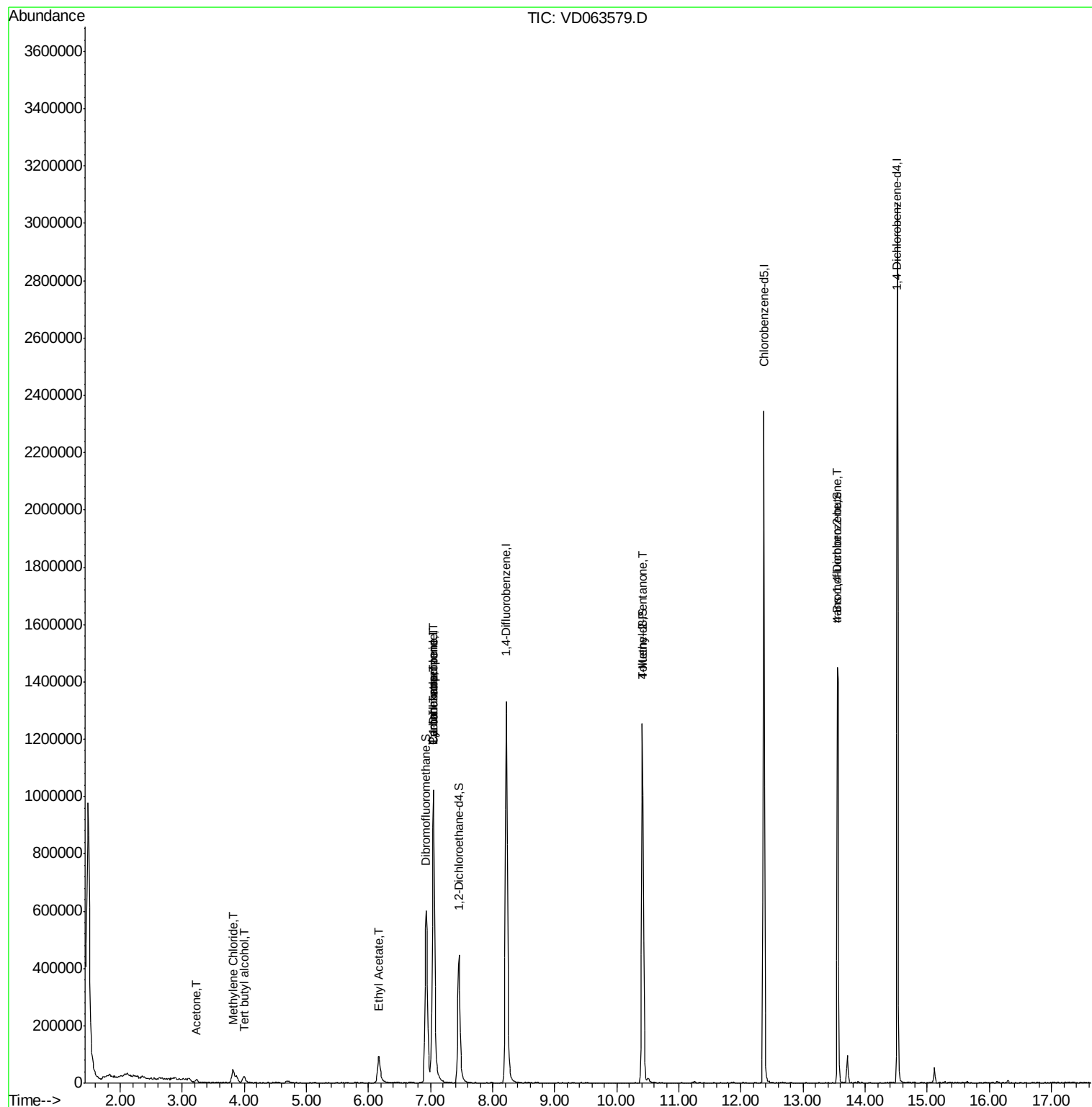
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	19899	40.681	ug/l #	71
16) Acetone	3.24	43	14788	6.474	ug/l	93
20) Methylene Chloride	3.82	84	26663	2.700	ug/l	97
31) Cyclohexane	7.04	56	23853	2.351	ug/l #	13
36) 1,1-Dichloropropene	7.04	75	79361	6.062	ug/l #	49
37) Ethyl Acetate	6.16	43	7014	1.279	ug/l #	19
38) Carbon Tetrachloride	7.03	117	99319	5.034	ug/l #	18
51) 4-Methyl-2-Pentanone	10.41	43	5878	1.169	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	205935	106.171	ug/l #	1

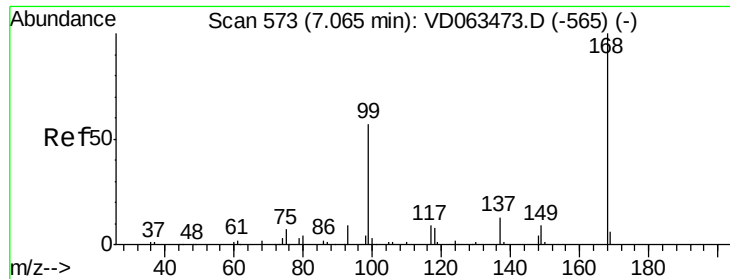
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081419\
Data File : VD063579.D
Acq On : 14 Aug 2019 17:37
Operator : JC/SY
Sample : K4238-05RE
Misc : 5.31g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 15 12:01:06 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: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063579.D

Acq: 14 Aug 2019 17:37

Instrument :

MSVOA_D

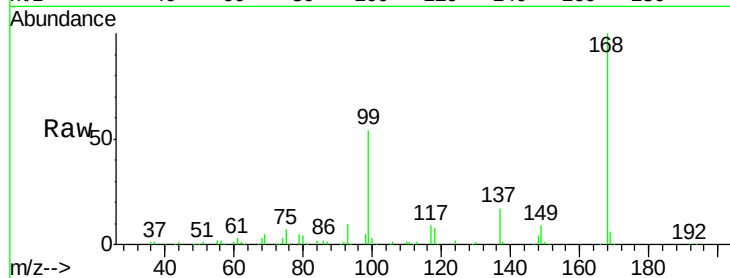
ClientSampleId :

Tot Ion:168 Resp: 1051194

Ion Ratio Lower Upper

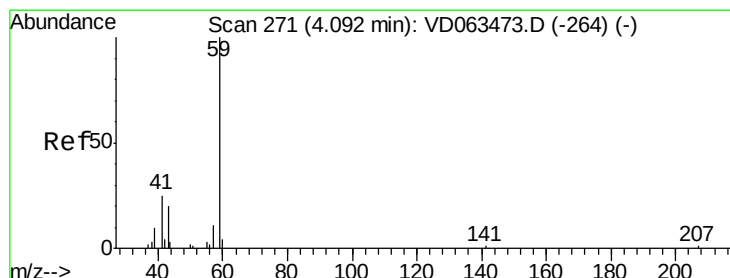
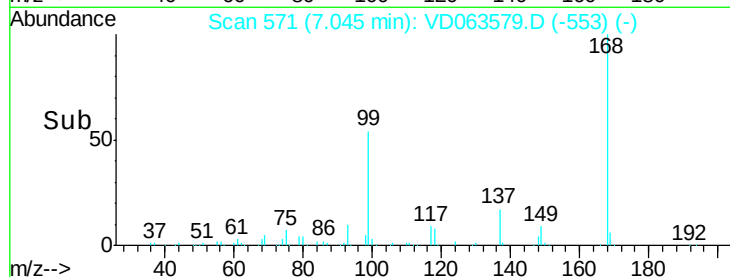
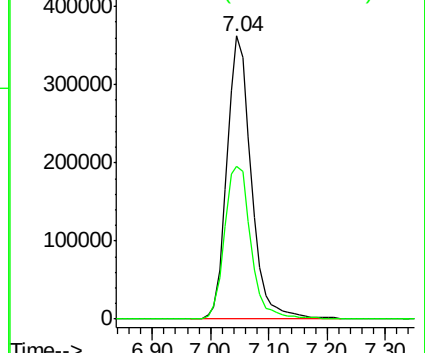
168 100

99 54.0 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: 40.681 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.10 min

Lab File: VD063579.D

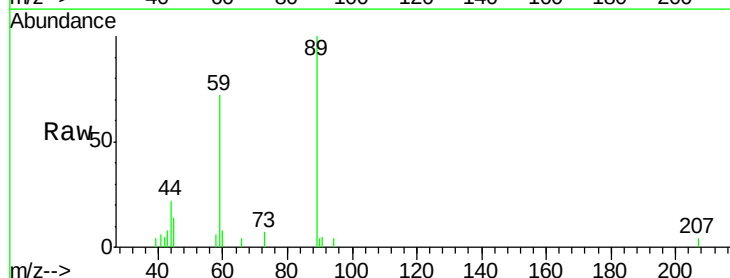
Acq: 14 Aug 2019 17:37

Tgt Ion: 59 Resp: 19899

Ion Ratio Lower Upper

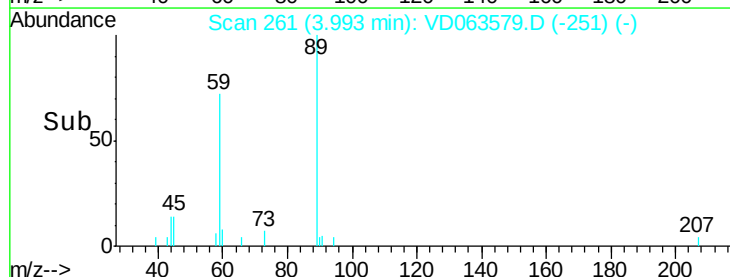
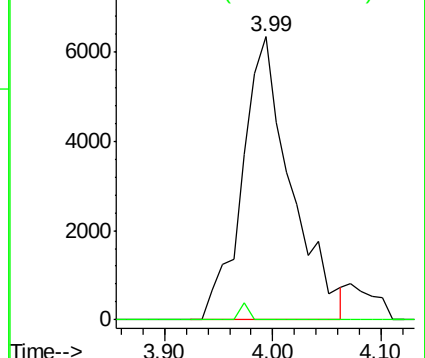
59 100

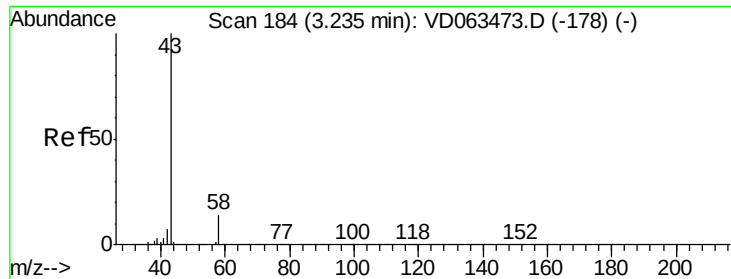
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 6.474 ug/l

RT: 3.24 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD063579.D

Acq: 14 Aug 2019 17:37

Instrument :

MSVOA_D

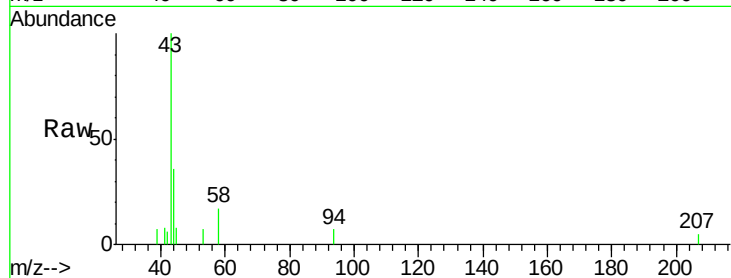
ClientSampleId :

Tot Ion: 43 Resp: 14788

Ion Ratio Lower Upper

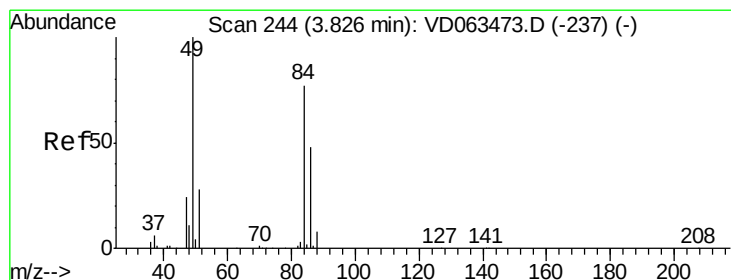
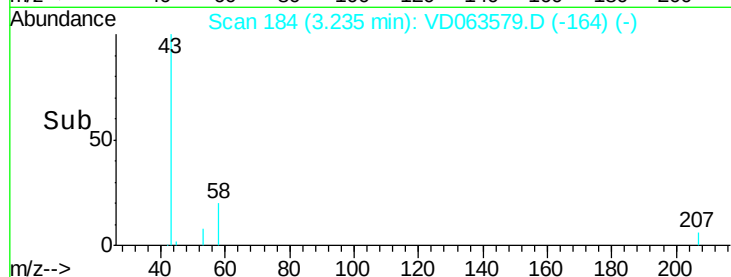
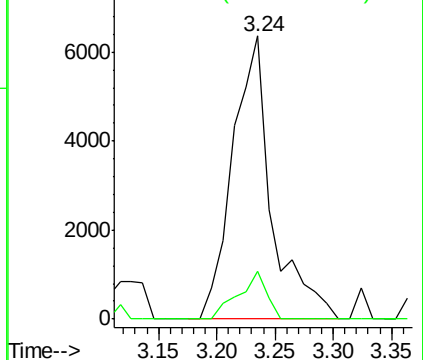
43 100

58 17.1 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: 2.700 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD063579.D

Acq: 14 Aug 2019 17:37

Tgt Ion: 84 Resp: 26663

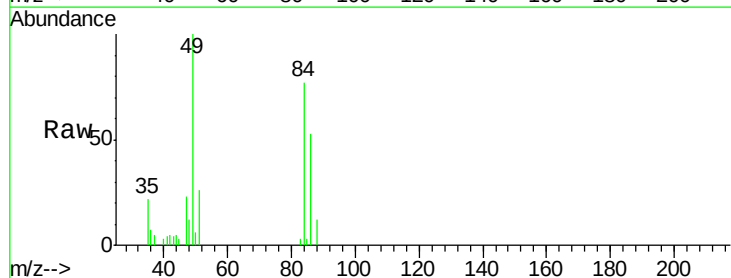
Ion Ratio Lower Upper

84 100

49 129.9 103.4 155.2

51 33.7 28.5 42.7

86 69.2 49.4 74.2

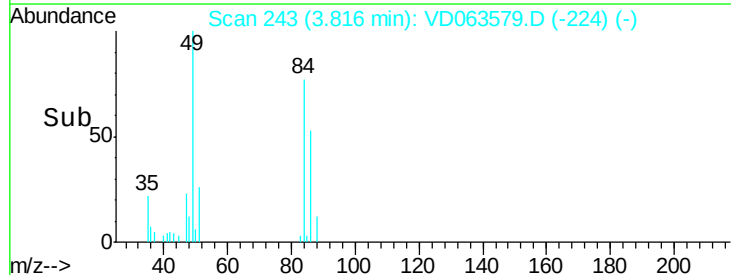
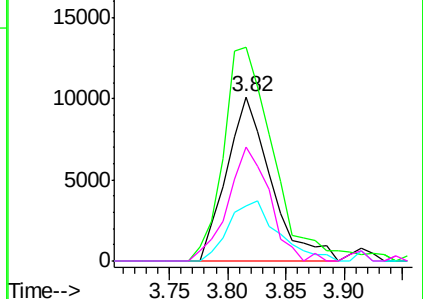


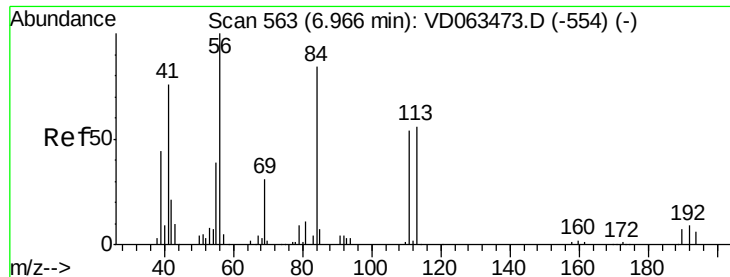
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

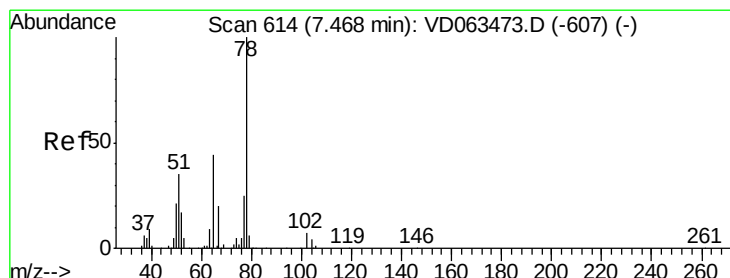
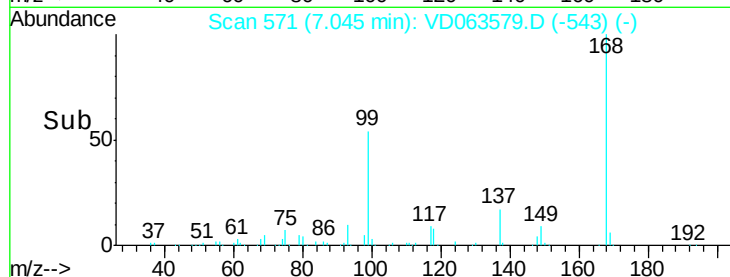
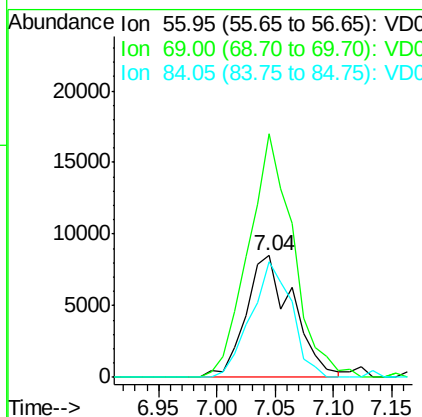
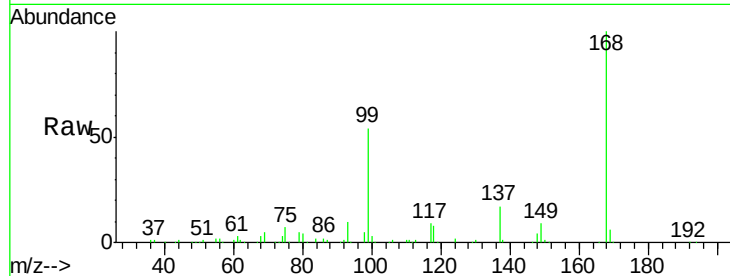




#31
Cyclohexane
Concen: 2.351 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD063579.D
Acq: 14 Aug 2019 17:37

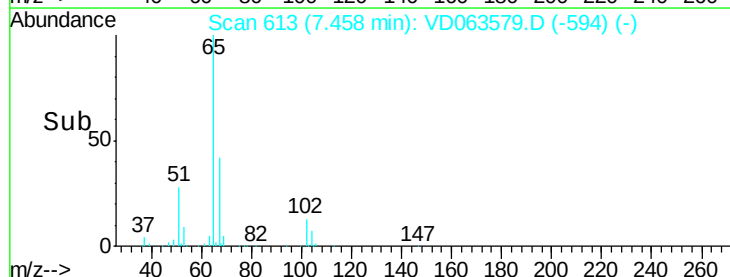
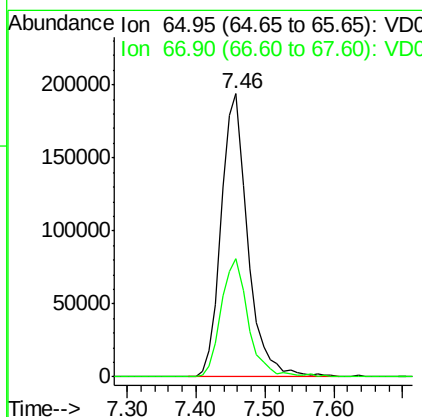
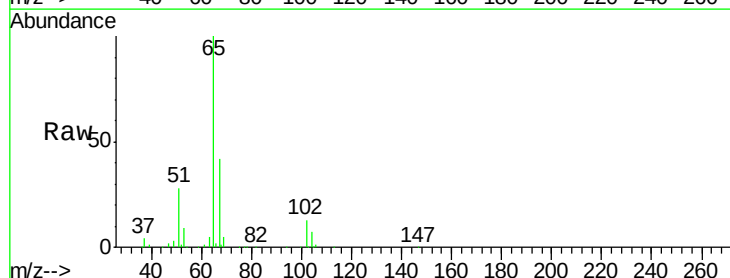
Instrument :
MSVOA_D
ClientSampleId :

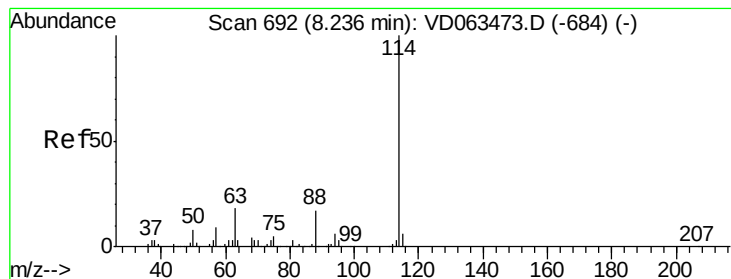
Tot Ion: 56 Resp: 23853
Ion Ratio Lower Upper
56 100
69 200.0 25.0 37.6#
84 95.3 69.7 104.5



#33
1,2-Dichloroethane-d4
Concen: 46.090 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063579.D
Acq: 14 Aug 2019 17:37

Tgt Ion: 65 Resp: 517884
Ion Ratio Lower Upper
65 100
67 41.7 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: VD063579.D

Acq: 14 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

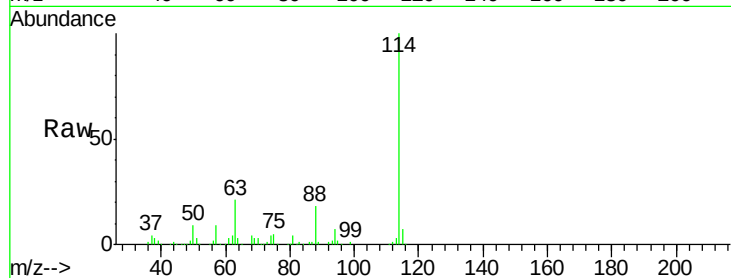
Tot Ion:114 Resp: 1480955

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.2

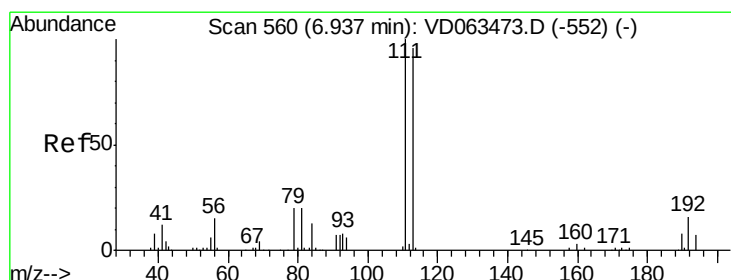
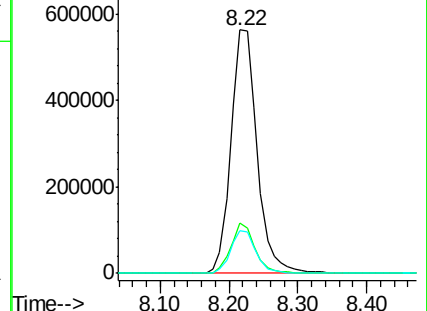
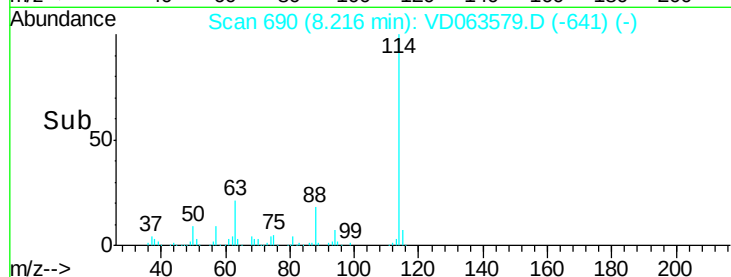
88 17.6 0.0 35.0



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



#35

Dibromofluoromethane

Concen: 44.056 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063579.D

Acq: 14 Aug 2019 17:37

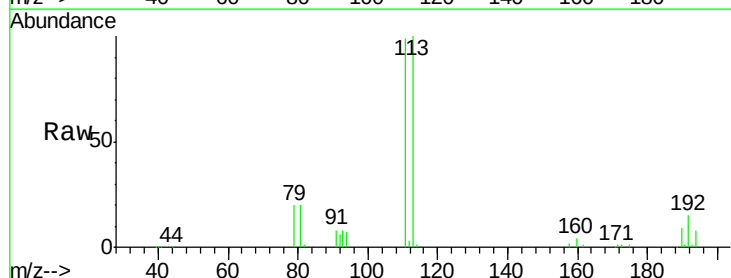
Tgt Ion:113 Resp: 549503

Ion Ratio Lower Upper

113 100

111 99.1 83.1 124.7

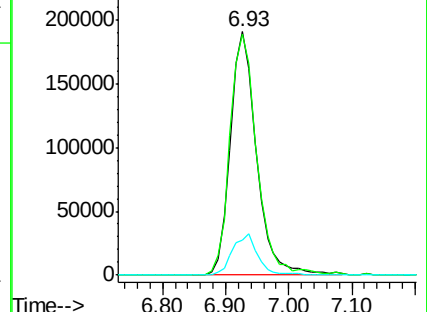
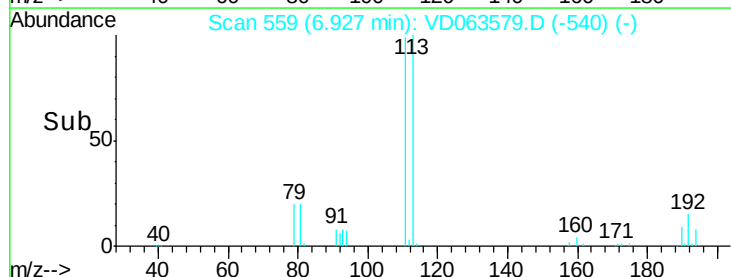
192 14.6 13.1 19.7

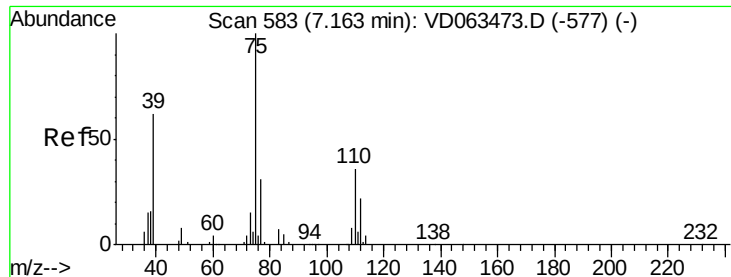


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

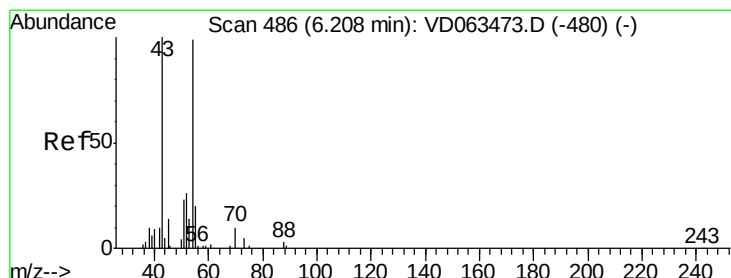
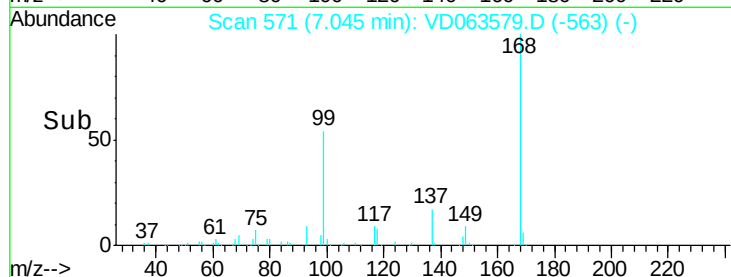
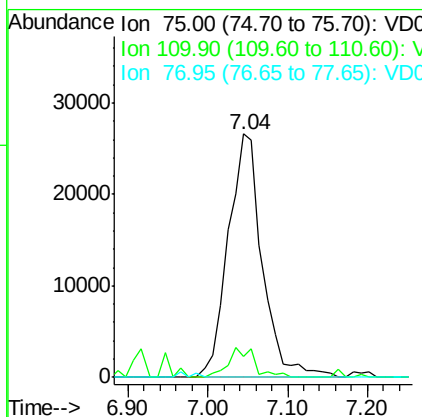
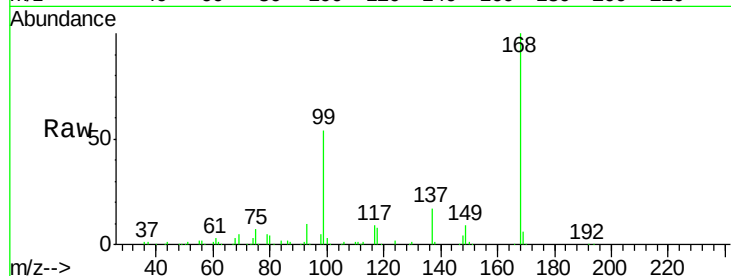




#36
 1,1-Dichloropropene
 Concen: 6.062 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063579.D
 Acq: 14 Aug 2019 17:37

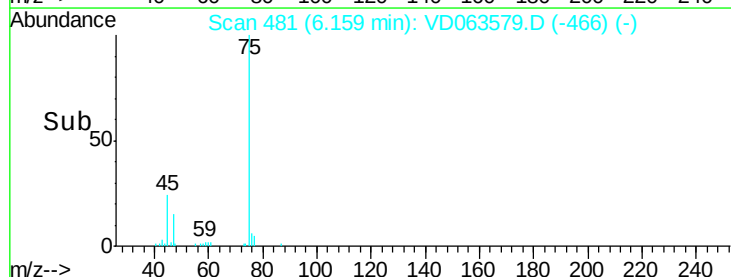
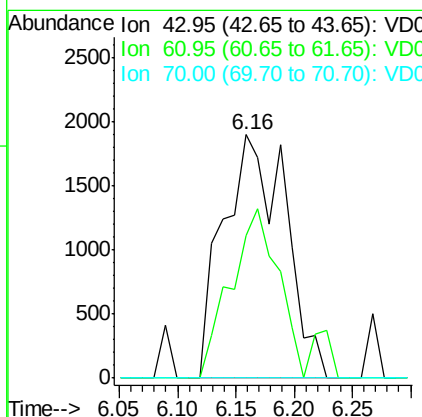
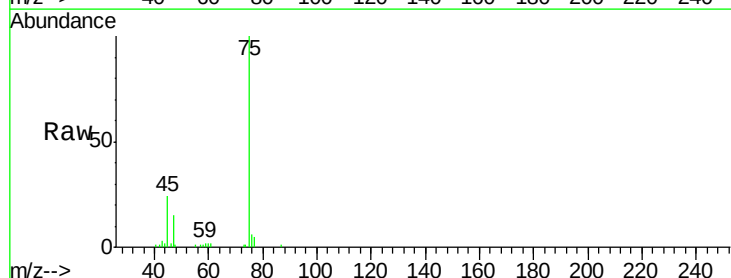
Instrument :
 MSVOA_D
 ClientSampleId :

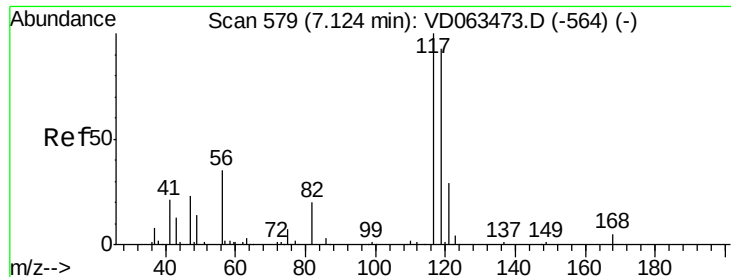
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.6	52.8#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 1.279 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.05 min
 Lab File: VD063579.D
 Acq: 14 Aug 2019 17:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	58.7	9.0	13.6#
70	0.0	6.9	10.3#

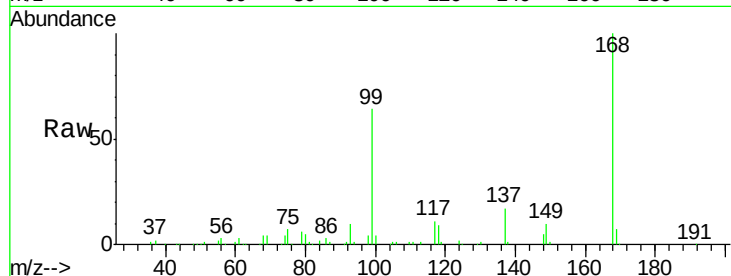




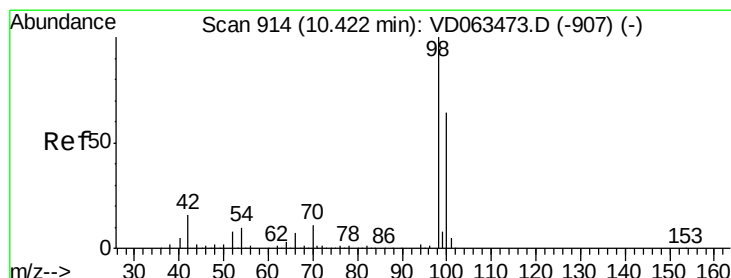
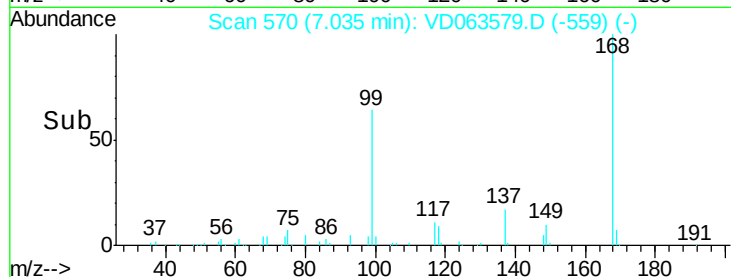
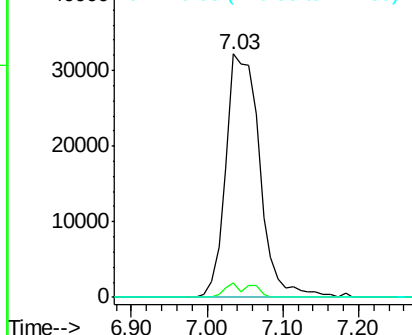
#38
Carbon Tetrachloride
Concen: 5.034 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD063579.D
Acq: 14 Aug 2019 17:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 99319
Ion Ratio Lower Upper
117 100
119 6.2 74.2 111.2#
121 0.0 23.1 34.7#

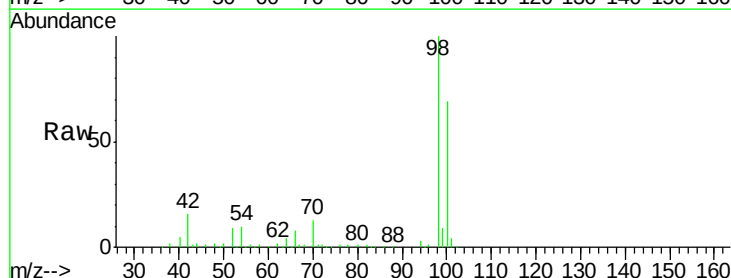


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

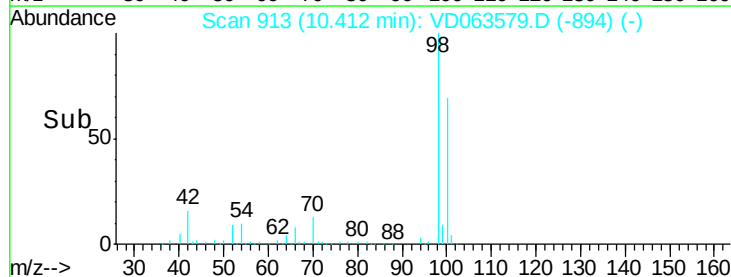
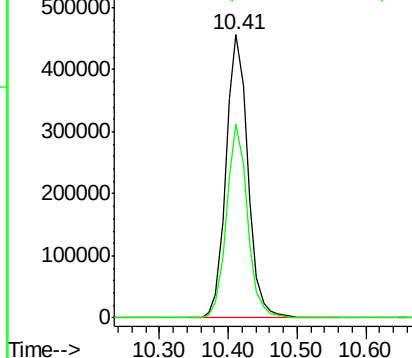


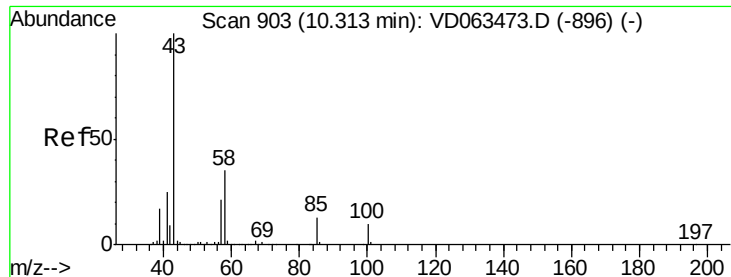
#50
Toluene-d8
Concen: 36.512 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063579.D
Acq: 14 Aug 2019 17:37

Tgt Ion: 98 Resp: 1001216
Ion Ratio Lower Upper
98 100
100 68.7 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.169 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.10 min

Lab File: VD063579.D

Acq: 14 Aug 2019 17:37

Instrument :

MSVOA_D

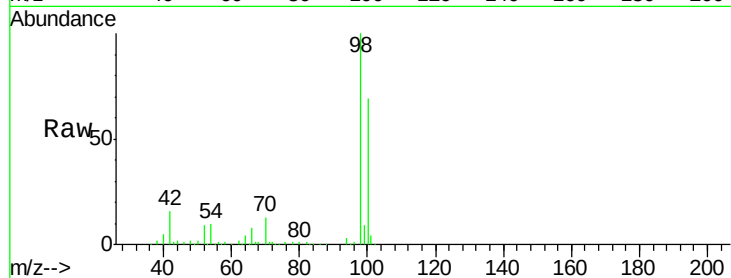
ClientSampleId :

Tot Ion: 43 Resp: 5878

Ion Ratio Lower Upper

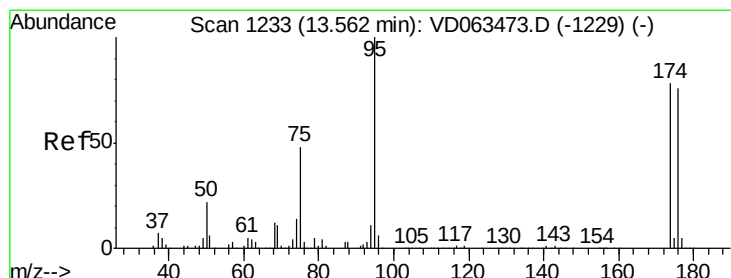
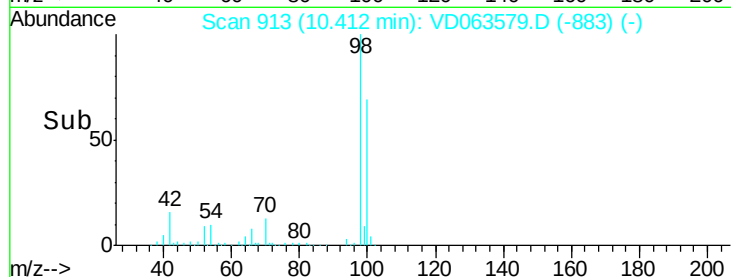
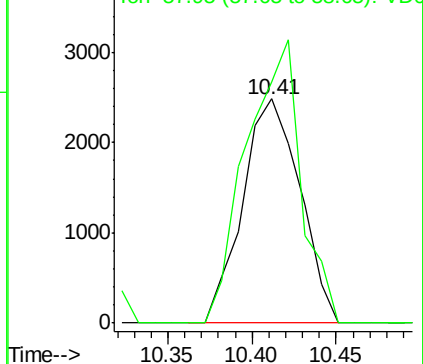
43 100

58 107.8 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 35.509 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063579.D

Acq: 14 Aug 2019 17:37

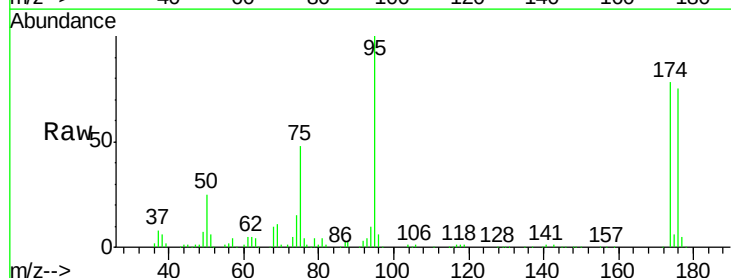
Tgt Ion: 95 Resp: 441333

Ion Ratio Lower Upper

95 100

174 77.6 0.0 155.4

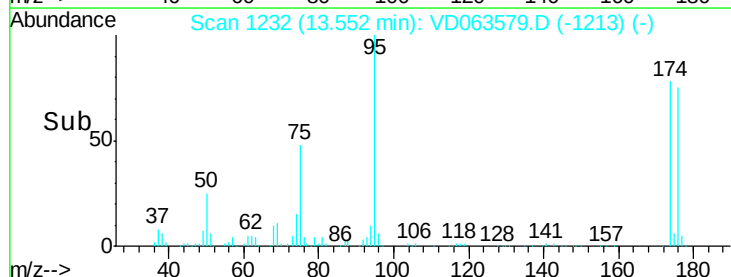
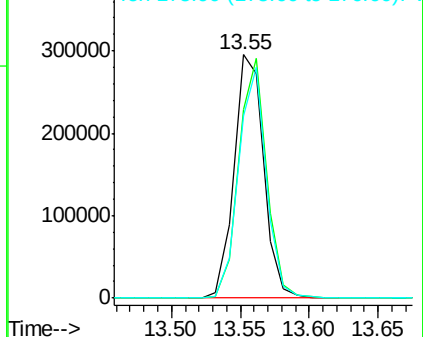
176 74.8 0.0 152.4

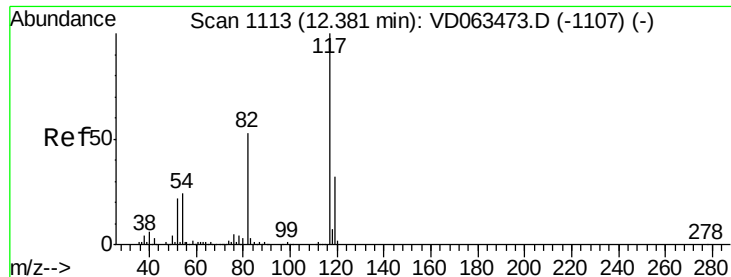


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

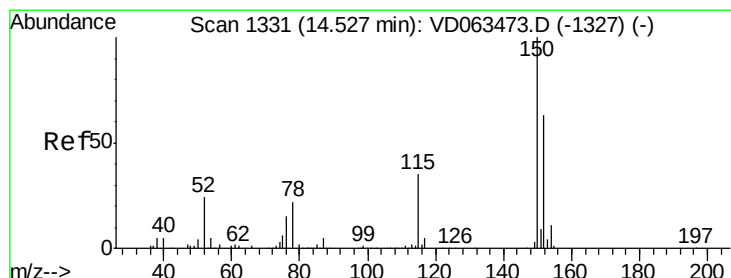
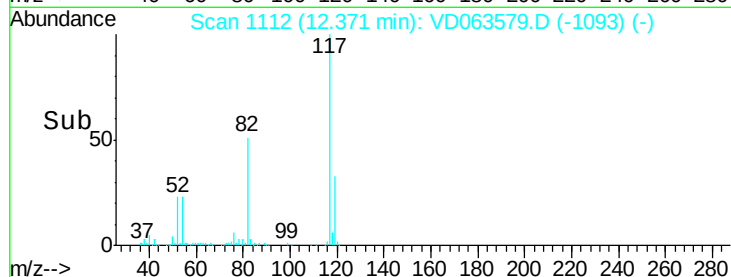
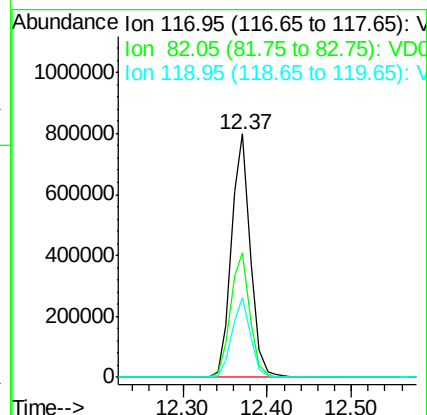
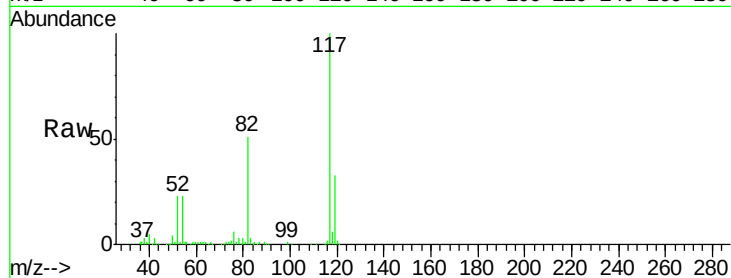




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063579.D
Acq: 14 Aug 2019 17:37

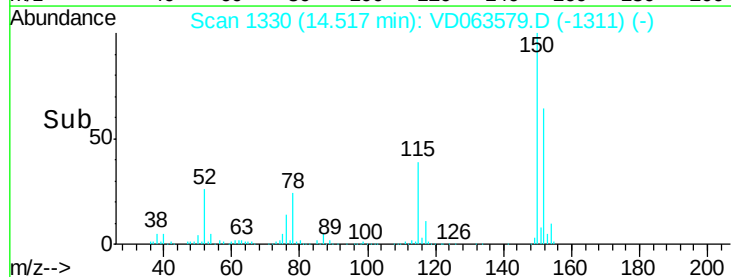
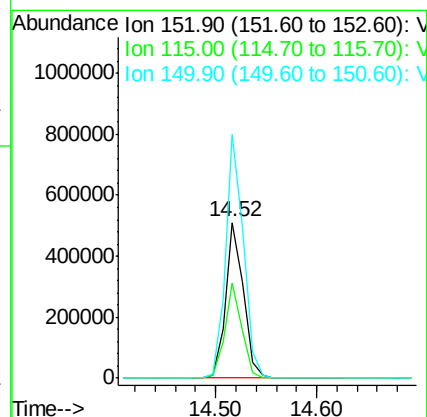
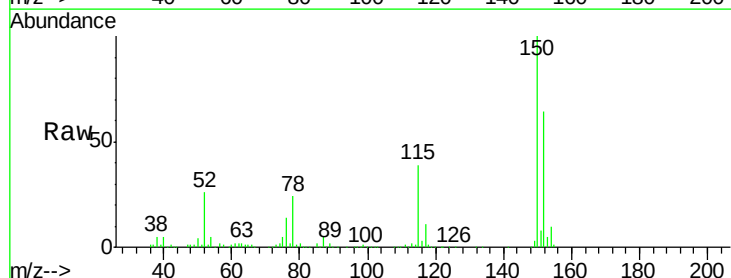
Instrument :
MSVOA_D
ClientSampleId :

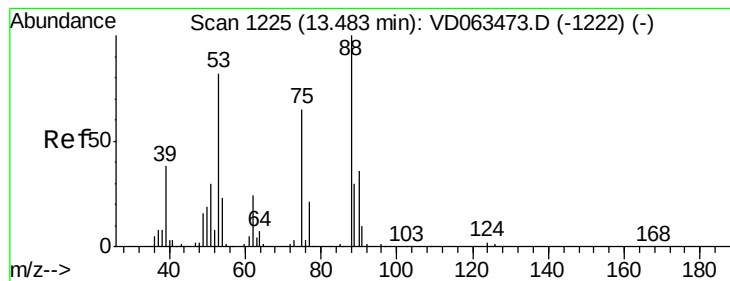
Tot Ion:117 Resp: 1239355
Ion Ratio Lower Upper
117 100
82 51.2 42.0 63.0
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063579.D
Acq: 14 Aug 2019 17:37

Tgt Ion:152 Resp: 628815
Ion Ratio Lower Upper
152 100
115 61.3 30.9 92.7
150 156.4 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 106.171 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063579.D

Acq: 14 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

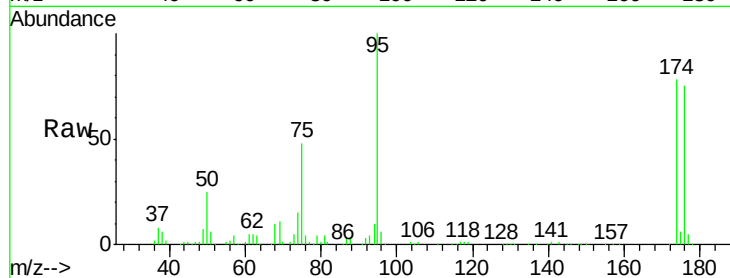
Tot Ion: 75 Resp: 205935

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

