

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063656.D
 Acq On : 19 Aug 2019 14:35
 Operator : JC/SY
 Sample : K4406-01RE
 Misc : 5.03g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-011-IDWSO-20190816

Quant Time: Aug 20 08:14:36 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	7.03	168	1131717	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1457523	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1142756	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	529871	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	525935	43.48	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	86.96%	
35) Dibromofluoromethane	6.92	113	604293	49.23	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.46%	
50) Toluene-d8	10.40	98	1271571	47.12	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	94.24%	
62) 4-Bromofluorobenzene	13.55	95	500858	40.95	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	81.90%	

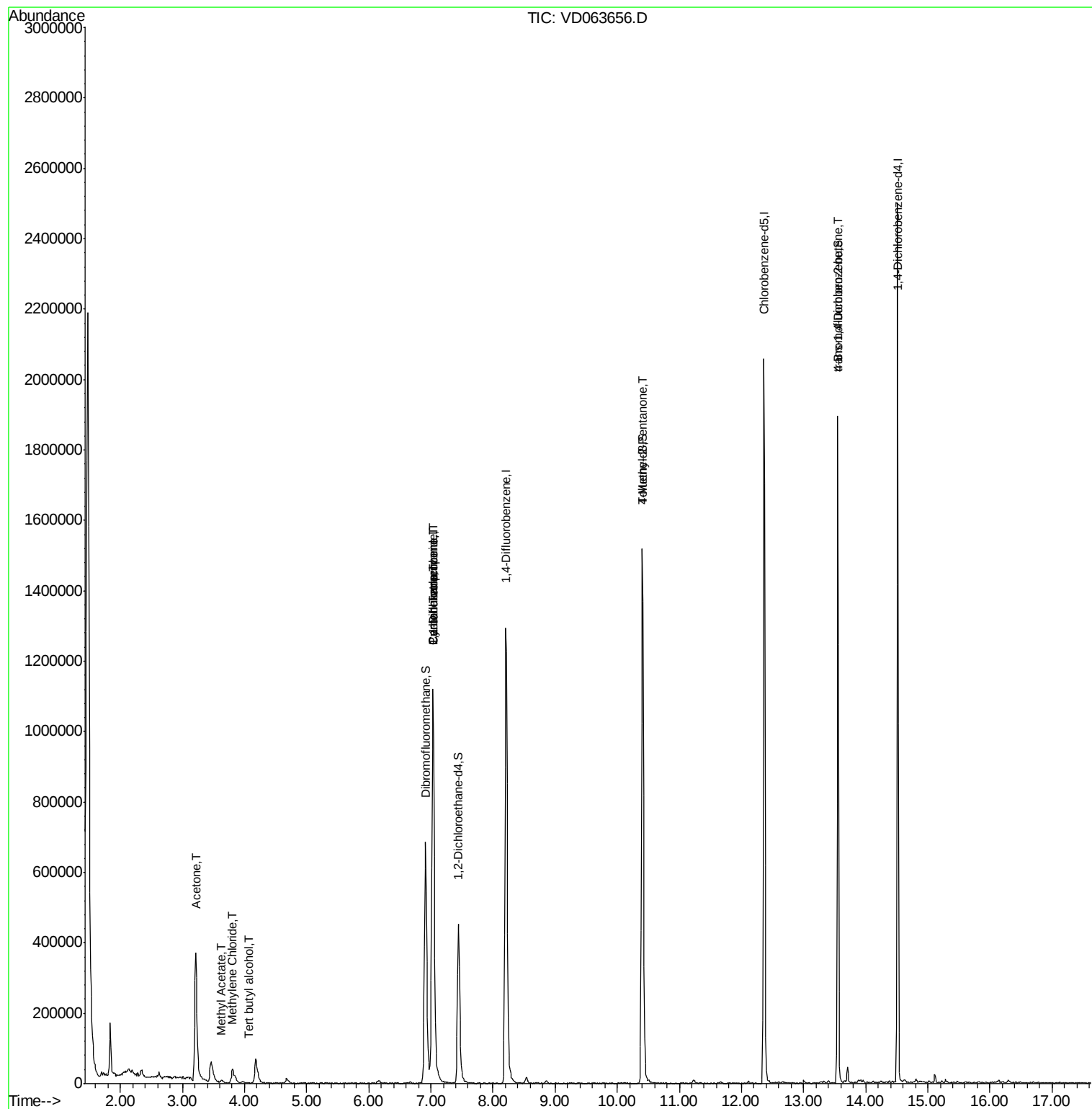
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1697	3.222	ug/l #	71
16) Acetone	3.22	43	710420	288.892	ug/l	94
18) Methyl Acetate	3.64	43	13273	2.850	ug/l #	84
20) Methylene Chloride	3.81	84	22667	2.132	ug/l	85
31) Cyclohexane	7.02	56	24463	2.240	ug/l #	23
36) 1,1-Dichloropropene	7.02	75	84469	6.556	ug/l #	49
38) Carbon Tetrachloride	7.03	117	106593	5.489	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	8221	1.661	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	235640	144.170	ug/l #	1

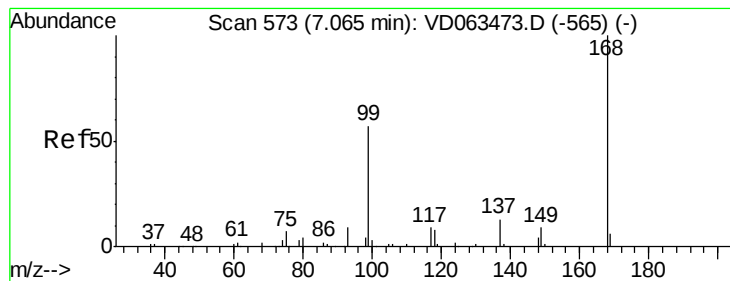
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
Data File : VD063656.D
Acq On : 19 Aug 2019 14:35
Operator : JC/SY
Sample : K4406-01RE
Misc : 5.03g/5ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TT-011-IDWSO-20190816

Quant Time: Aug 20 08:14:36 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: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063656.D

Acq: 19 Aug 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

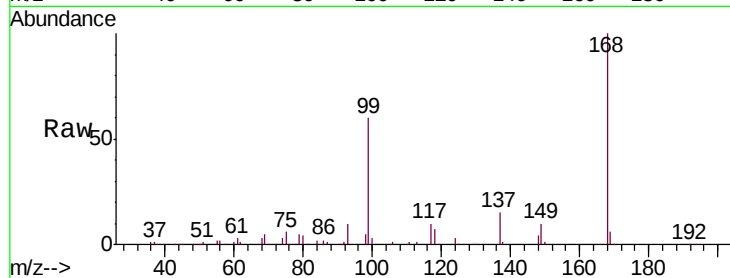
TT-011-IDWSO-20190816

Tgt Ion:168 Resp: 1131717

Ion Ratio Lower Upper

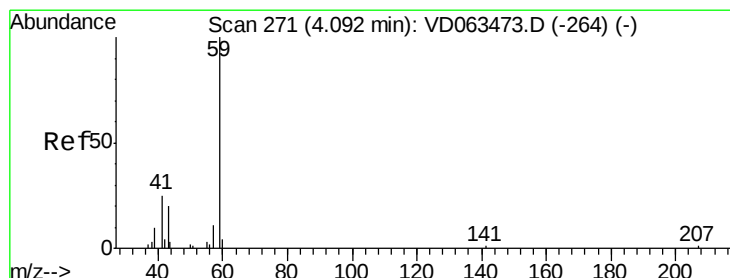
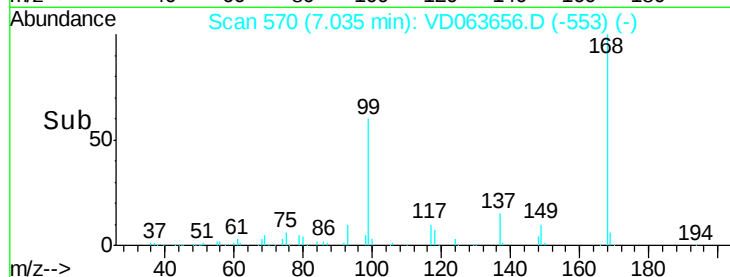
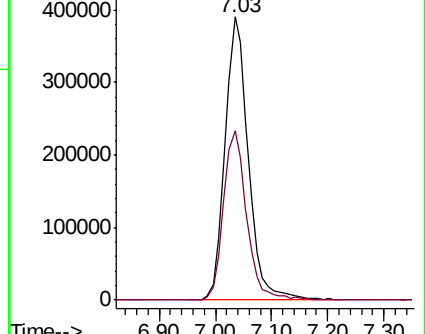
168 100

99 59.8 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: 3.222 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063656.D

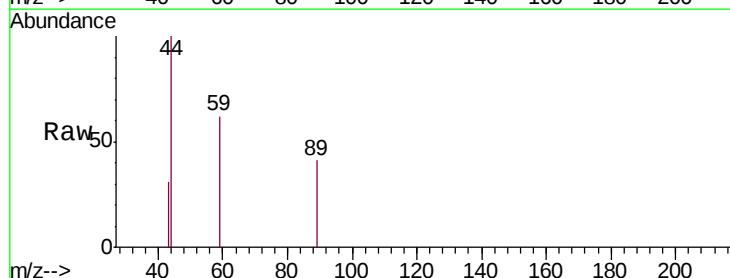
Acq: 19 Aug 2019 14:35

Tgt Ion: 59 Resp: 1697

Ion Ratio Lower Upper

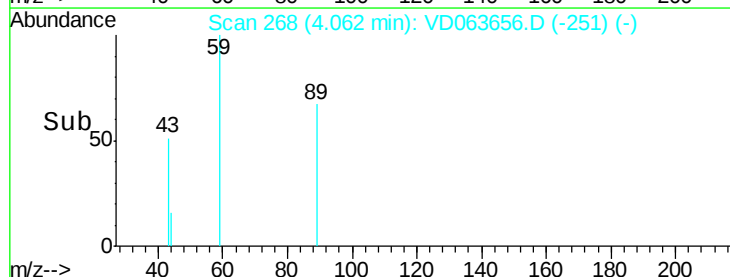
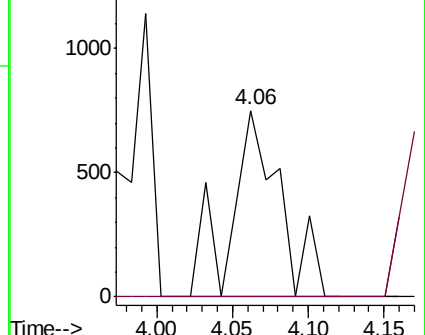
59 100

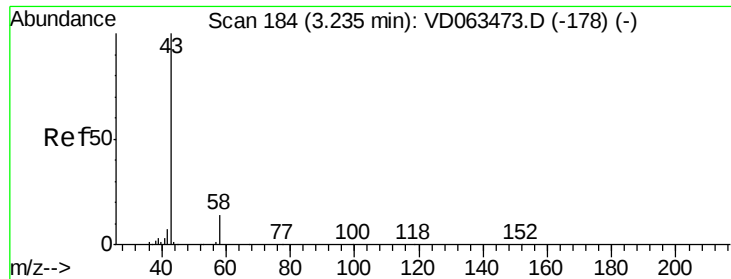
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 288.892 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063656.D

Acq: 19 Aug 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

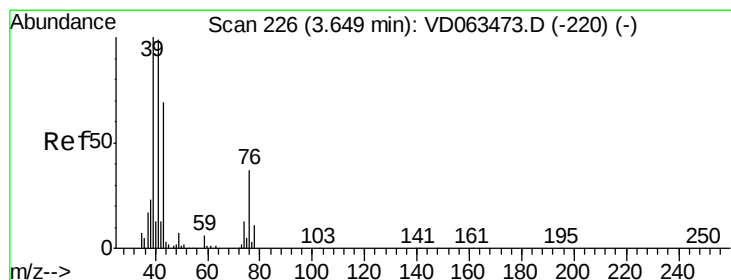
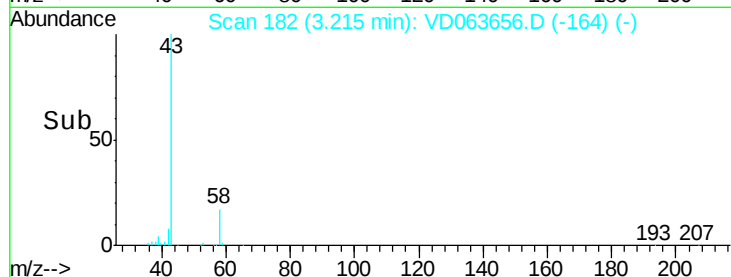
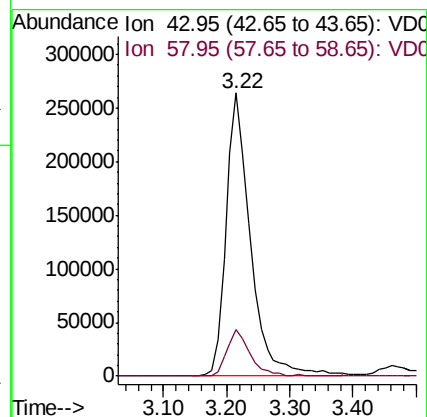
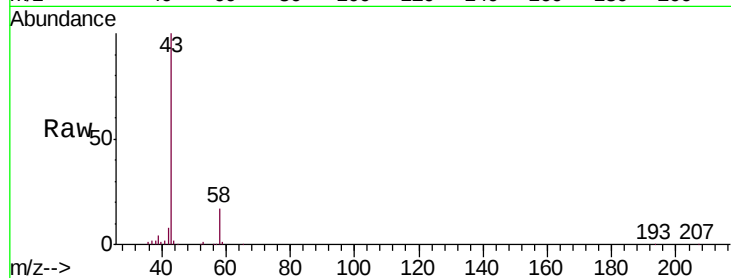
TT-011-IDWSO-20190816

Tgt Ion: 43 Resp: 710420

Ion Ratio Lower Upper

43 100

58 16.6 11.4 17.2



#18

Methyl Acetate

Concen: 2.850 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD063656.D

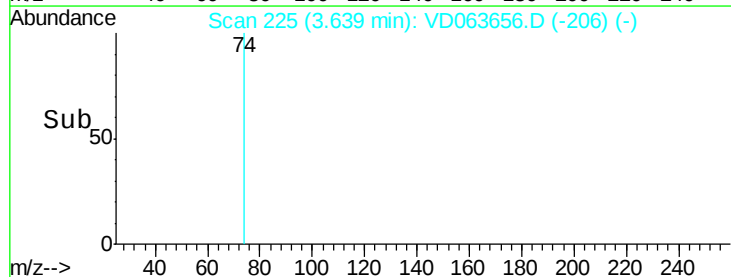
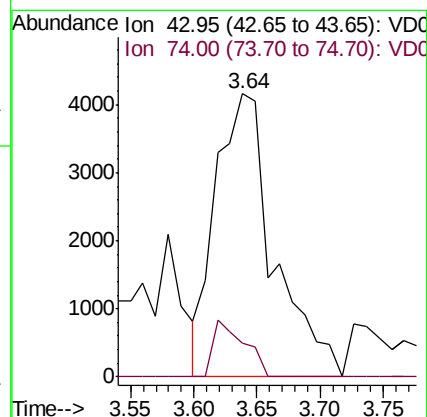
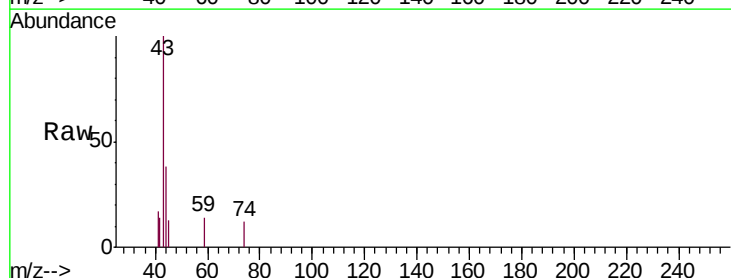
Acq: 19 Aug 2019 14:35

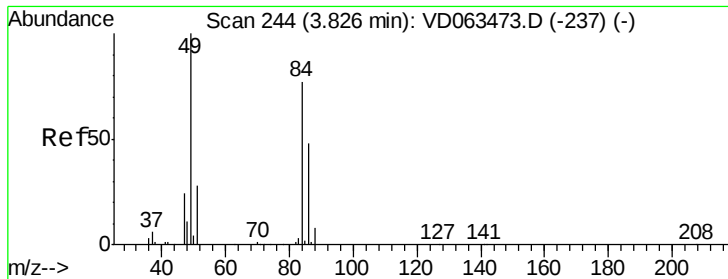
Tgt Ion: 43 Resp: 13273

Ion Ratio Lower Upper

43 100

74 11.9 15.4 23.2#

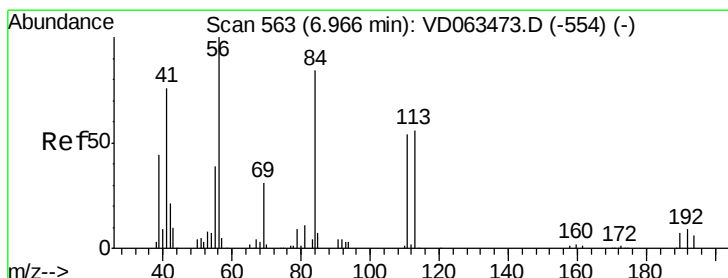
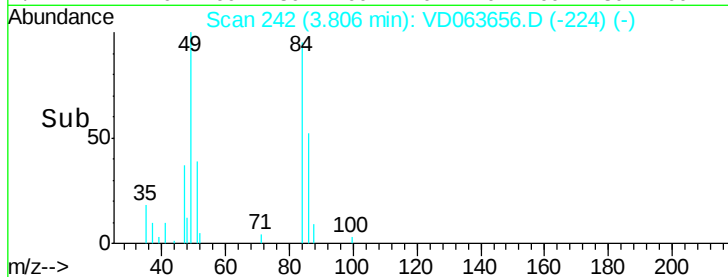
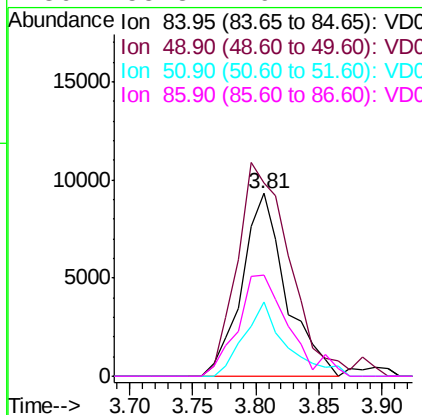
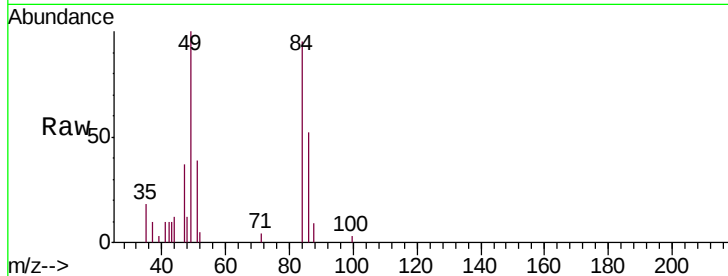




#20
Methylene Chloride
Concen: 2.132 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063656.D
Acq: 19 Aug 2019 14:35

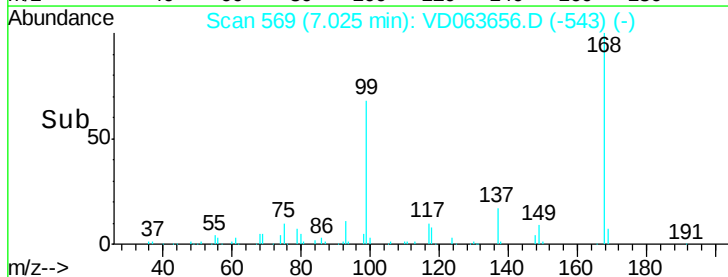
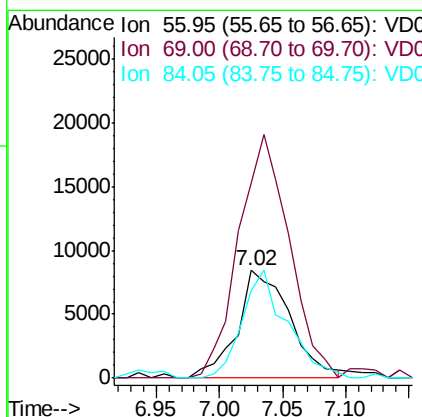
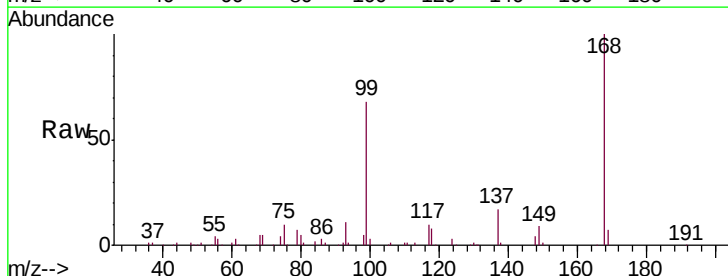
Instrument :
MSVOA_D
ClientSampleId :
TT-011-IDWSO-20190816

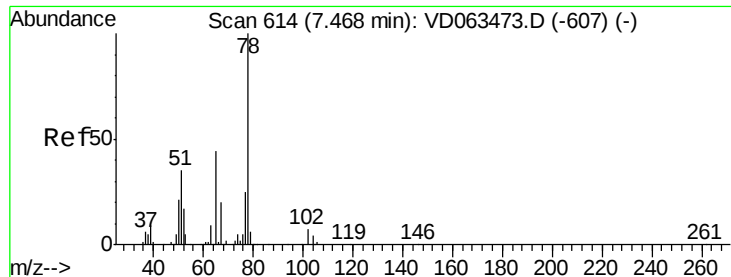
Tgt Ion:	84	Resp:	22667
Ion	Ratio	Lower	Upper
84	100		
49	105.7	103.4	155.2
51	40.8	28.5	42.7
86	55.3	49.4	74.2



#31
Cyclohexane
Concen: 2.240 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD063656.D
Acq: 19 Aug 2019 14:35

Tgt Ion:	56	Resp:	24463
Ion	Ratio	Lower	Upper
56	100		
69	182.0	25.0	37.6#
84	81.5	69.7	104.5





#33

1,2-Dichloroethane-d4

Concen: 43.476 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063656.D

Acq: 19 Aug 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

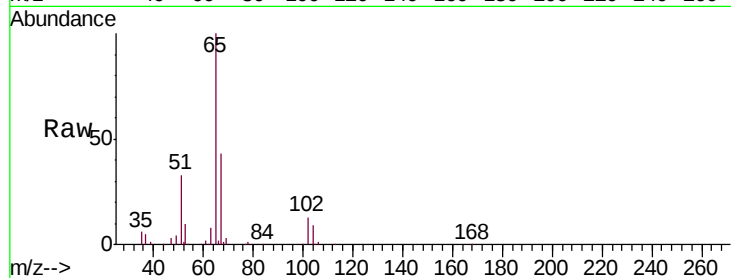
TT-011-IDWSO-20190816

Tgt Ion: 65 Resp: 525935

Ion Ratio Lower Upper

65 100

67 43.0 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

200000

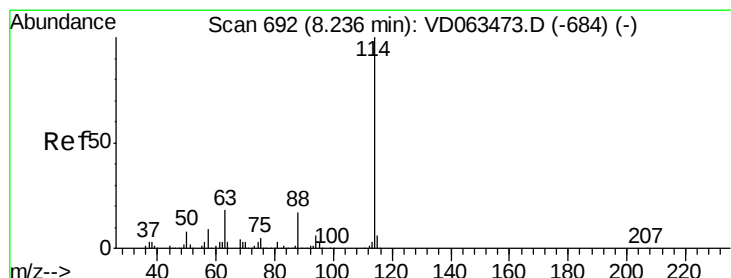
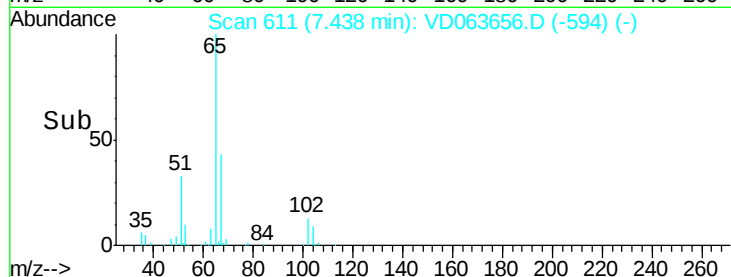
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063656.D

Acq: 19 Aug 2019 14:35

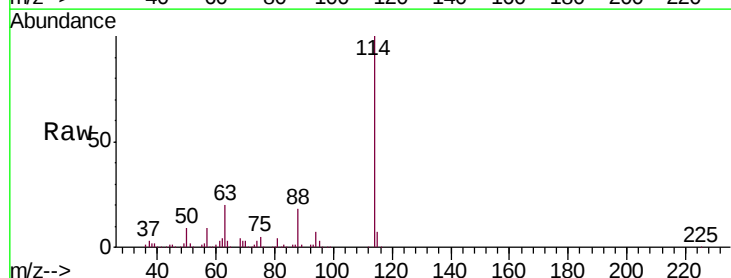
Tgt Ion: 114 Resp: 1457523

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.2

88 17.5 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

8.21

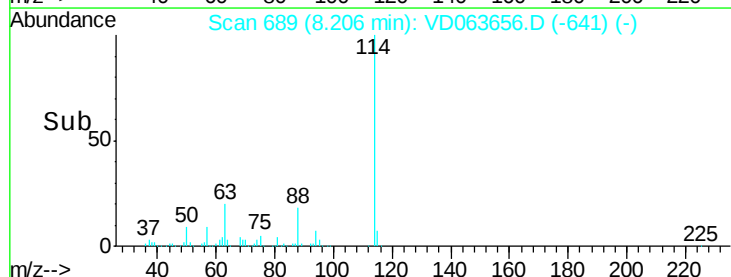
600000

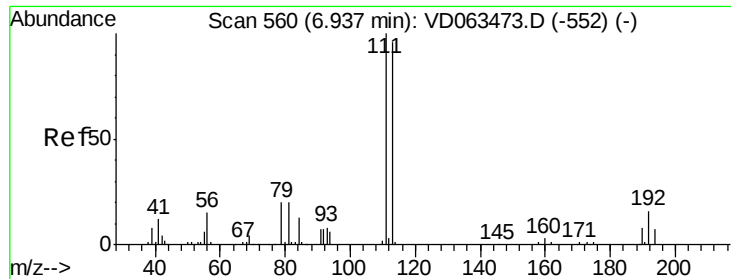
400000

200000

0

Time-->

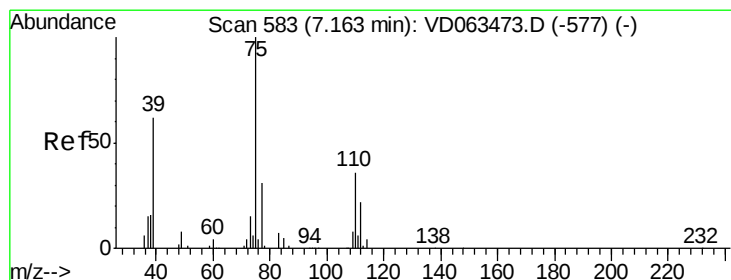
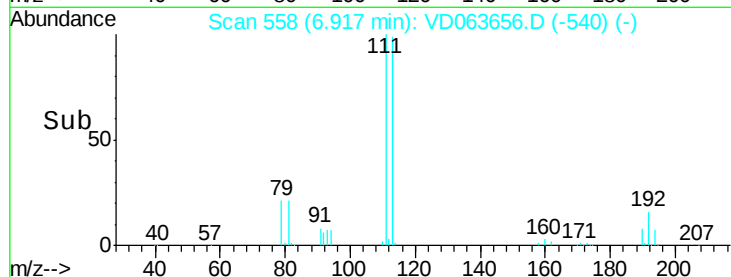
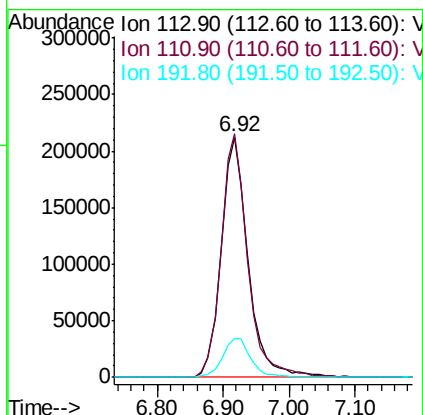
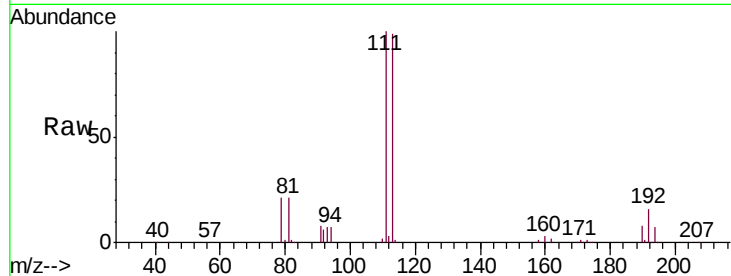




#35
 Dibromofluoromethane
 Concen: 49.228 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063656.D
 Acq: 19 Aug 2019 14:35

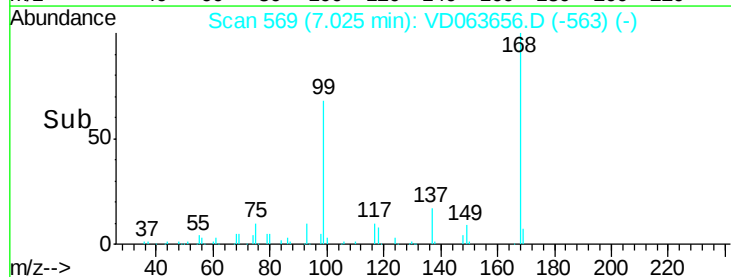
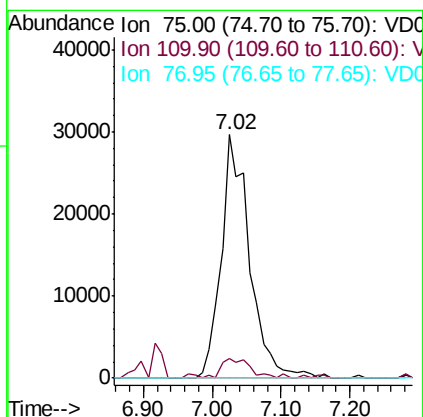
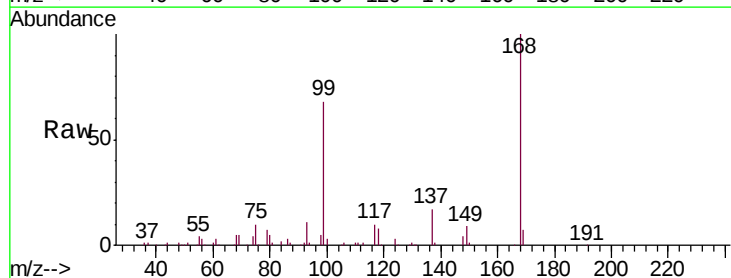
Instrument :
 MSVOA_D
 ClientSampleId :
 TT-011-IDWSO-20190816

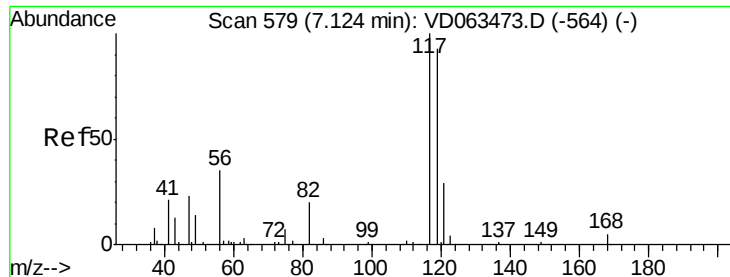
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.1	124.7
192	16.2	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 6.556 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.14 min
 Lab File: VD063656.D
 Acq: 19 Aug 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.6	52.8#
77	0.0	24.3	36.5#

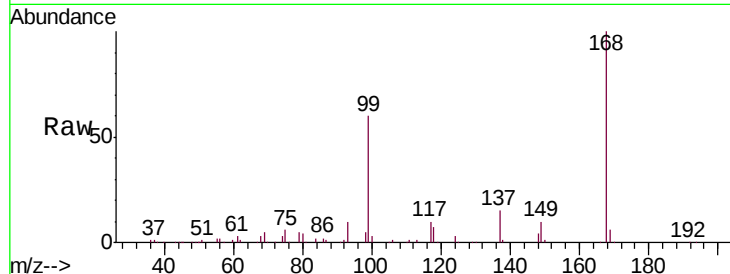




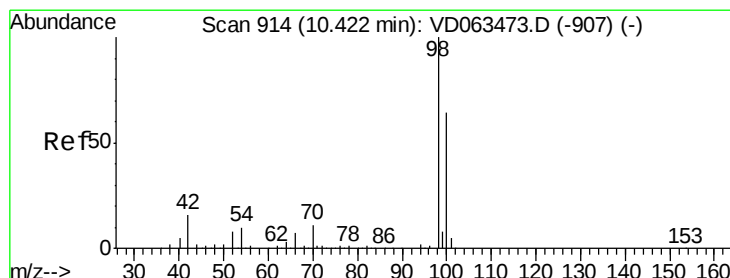
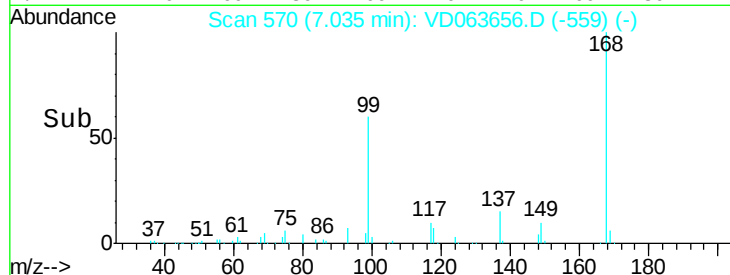
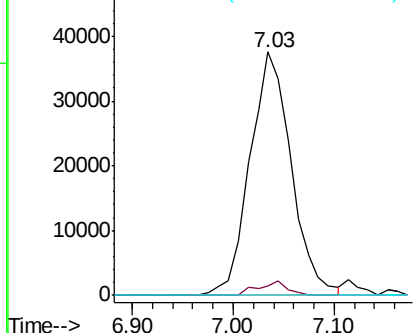
#38
Carbon Tetrachloride
Concen: 5.489 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD063656.D
Acq: 19 Aug 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
TT-011-IDWSO-20190816

Tgt Ion:117 Resp: 106593
Ion Ratio Lower Upper
117 100
119 3.7 74.2 111.2#
121 0.0 23.1 34.7#

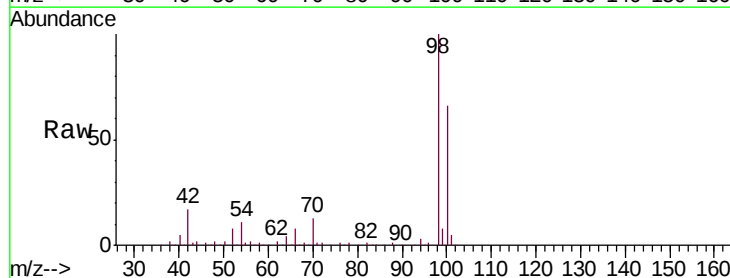


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

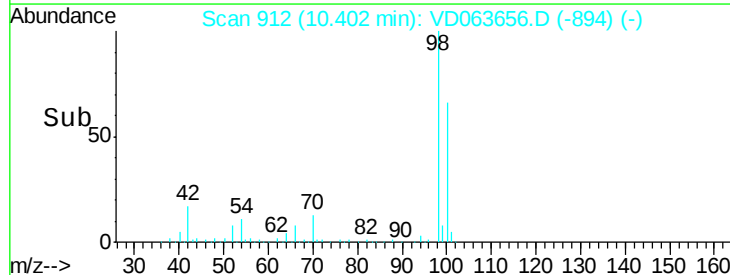
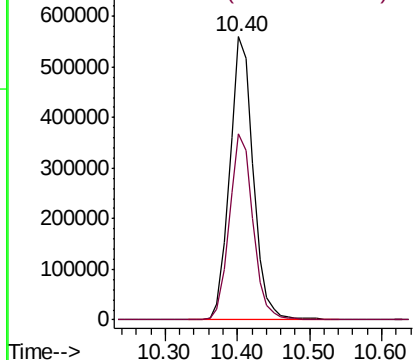


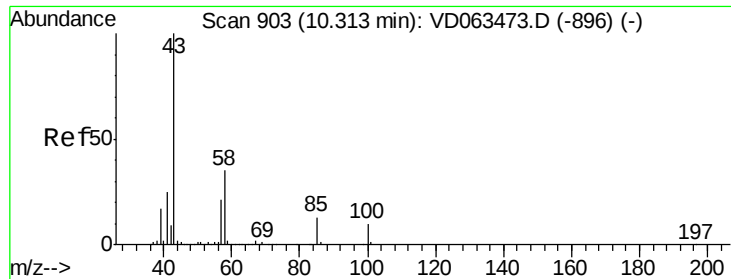
#50
Toluene-d8
Concen: 47.116 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063656.D
Acq: 19 Aug 2019 14:35

Tgt Ion: 98 Resp: 1271571
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



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

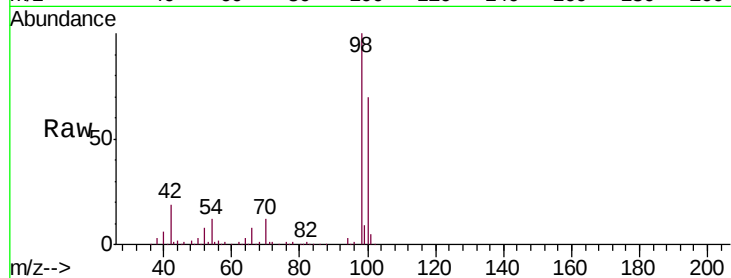




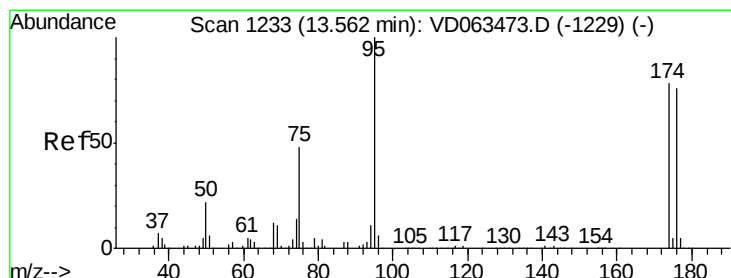
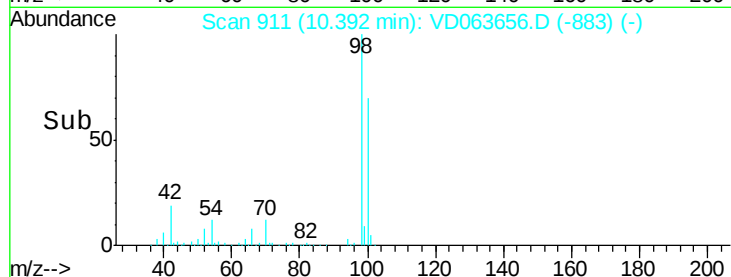
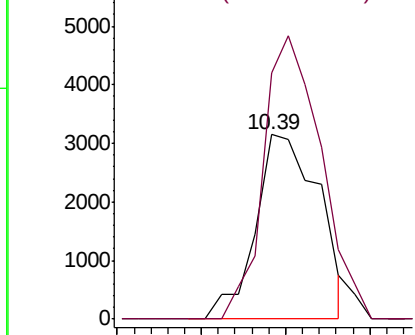
#51
4-Methyl-2-Pentanone
Concen: 1.661 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.08 min
Lab File: VD063656.D
Acq: 19 Aug 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
TT-011-IDWSO-20190816

Tgt Ion: 43 Resp: 8221
Ion Ratio Lower Upper
43 100
58 133.5 28.0 42.0#

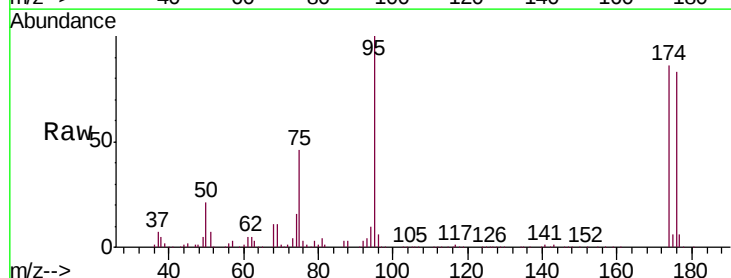


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

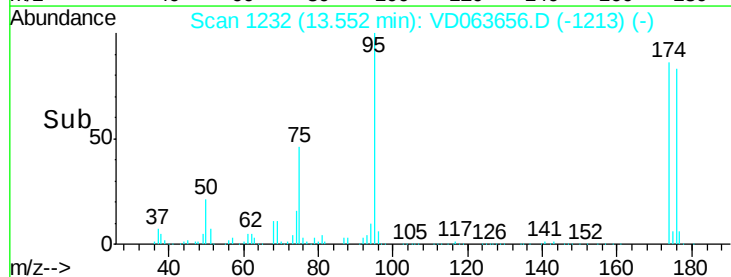
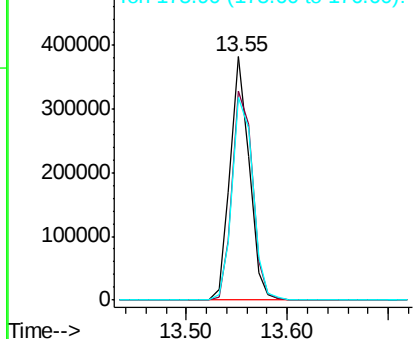


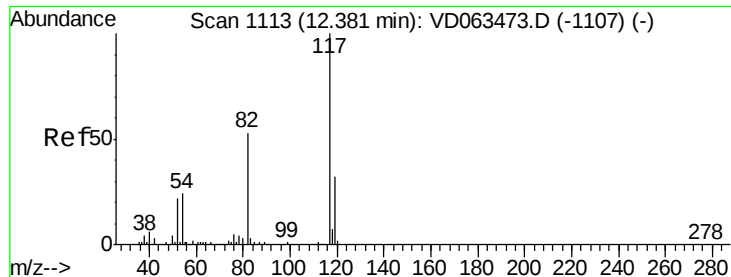
#62
4-Bromofluorobenzene
Concen: 40.946 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063656.D
Acq: 19 Aug 2019 14:35

Tgt Ion: 95 Resp: 500858
Ion Ratio Lower Upper
95 100
174 86.0 0.0 155.4
176 83.4 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

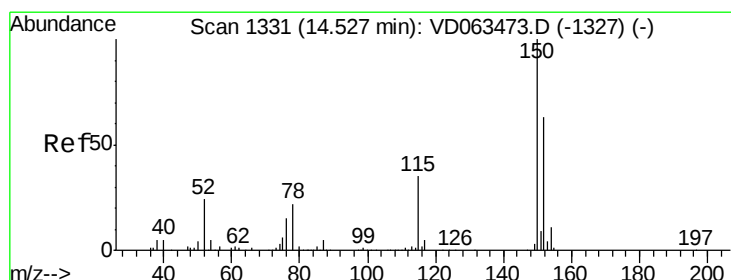
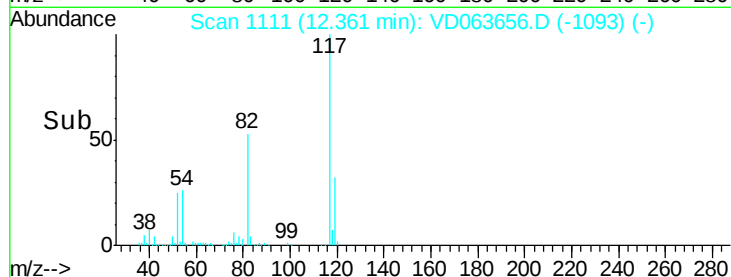
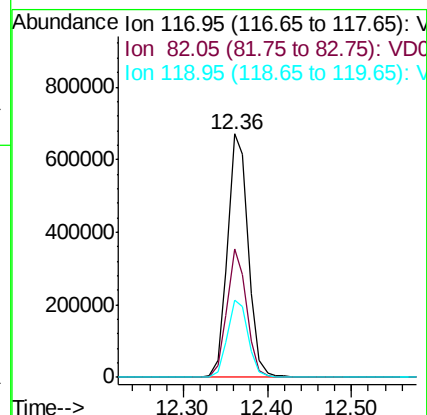
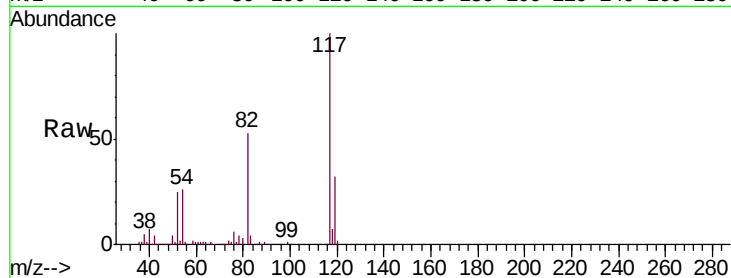




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063656.D
Acq: 19 Aug 2019 14:35

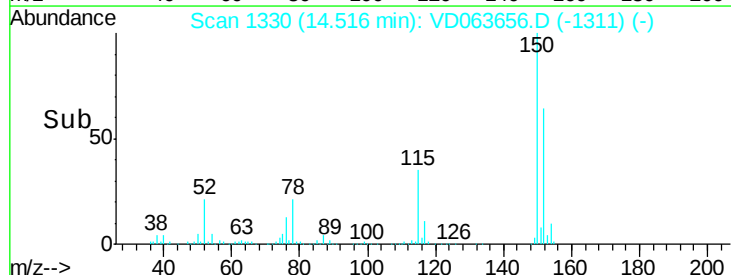
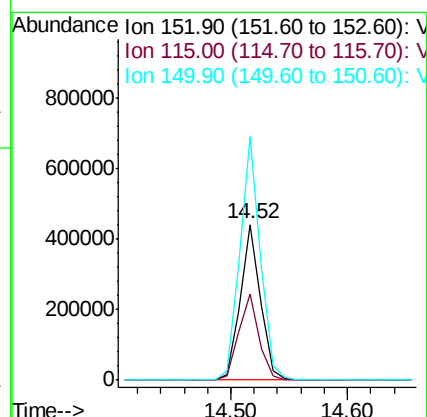
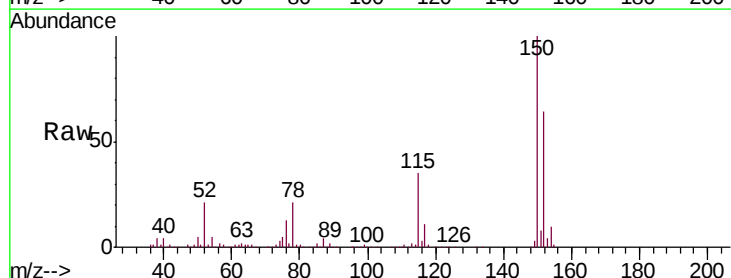
Instrument :
MSVOA_D
ClientSampleId :
TT-011-IDWSO-20190816

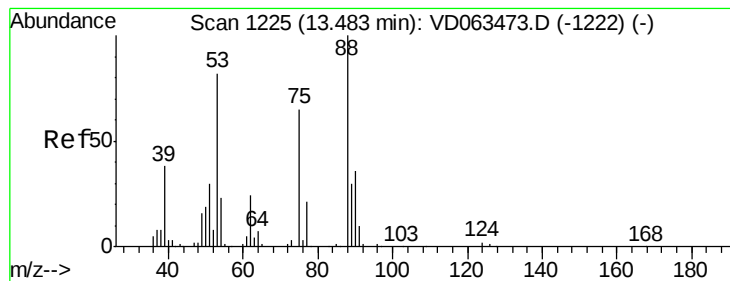
Tgt Ion:117 Resp: 1142756
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063656.D
Acq: 19 Aug 2019 14:35

Tgt Ion:152 Resp: 529871
Ion Ratio Lower Upper
152 100
115 55.3 30.9 92.7
150 156.7 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 144.170 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063656.D

Acq: 19 Aug 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

TT-011-IDWSO-20190816

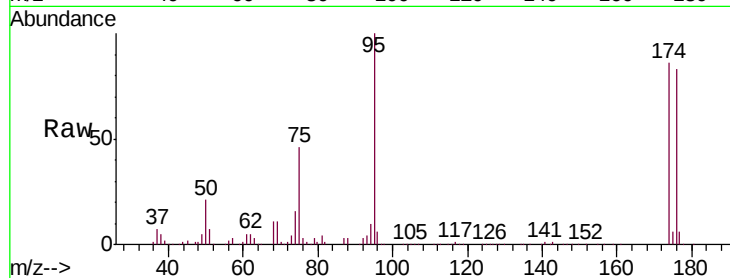
Tgt Ion: 75 Resp: 235640

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

