

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063736.D
 Acq On : 22 Aug 2019 16:28
 Operator : JC/SY
 Sample : K4386-17RE
 Misc : 6.02g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A2-(2)

Quant Time: Aug 23 06:59:26 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	7.04	168	891999	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1325795	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1037517	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	490081	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	573805	60.18	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	120.36%	
35) Dibromofluoromethane	6.92	113	621974	55.70	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	111.40%	
50) Toluene-d8	10.41	98	1340316	54.60	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	109.20%	
62) 4-Bromofluorobenzene	13.56	95	512299	46.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.08%	

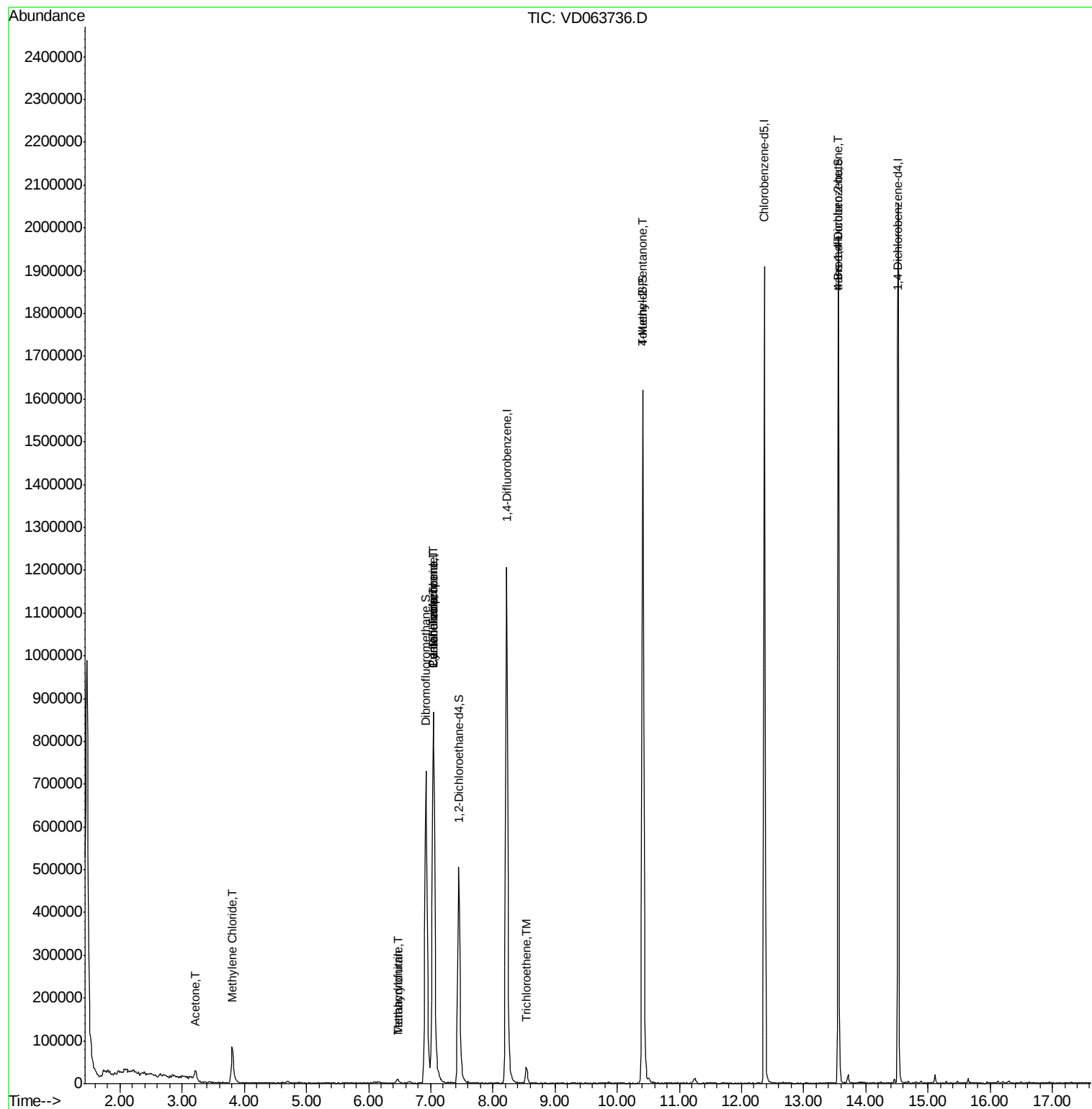
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	52575	27.125	ug/l	94
20) Methylene Chloride	3.81	84	49016	5.848	ug/l	96
29) Tetrahydrofuran	6.46	42	7350	8.240	ug/l #	81
31) Cyclohexane	7.04	56	17083	1.984	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	66392	5.665	ug/l #	49
38) Carbon Tetrachloride	7.05	117	83405	4.722	ug/l #	16
41) Methacrylonitrile	6.48	41	6220	1.006	ug/l #	60
44) Trichloroethene	8.54	130	17460	1.771	ug/l	99
51) 4-Methyl-2-Pentanone	10.41	43	7695	1.710	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	227741	150.650	ug/l #	1

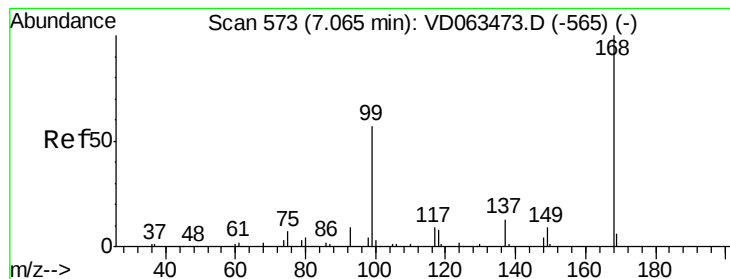
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063736.D

Acq: 22 Aug 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

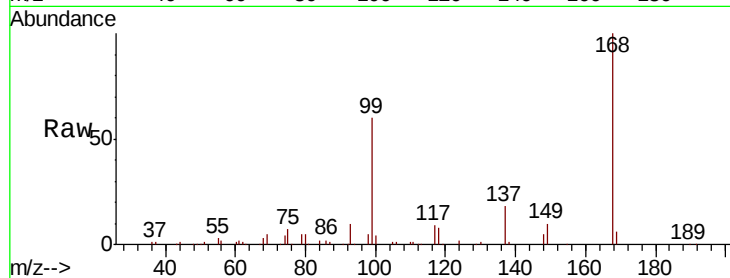
T6-A2-(2)

Tgt Ion:168 Resp: 891999

Ion Ratio Lower Upper

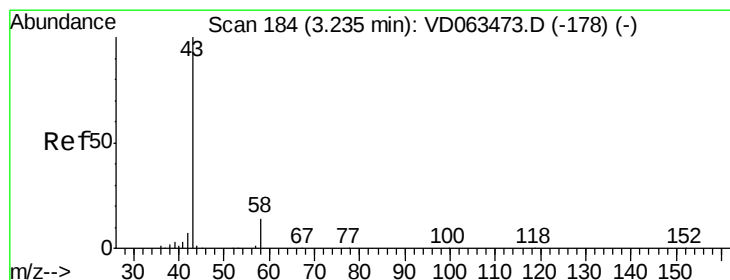
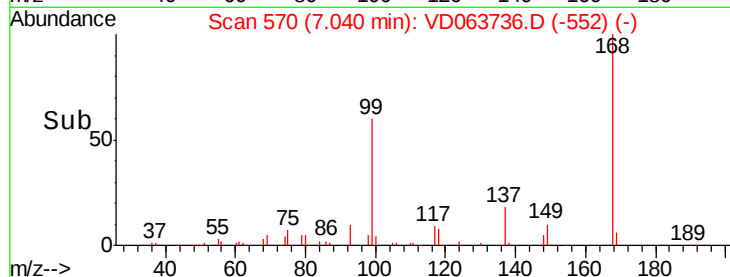
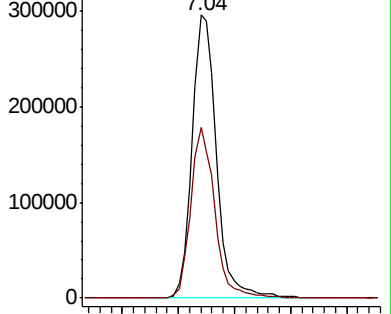
168 100

99 60.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 27.125 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063736.D

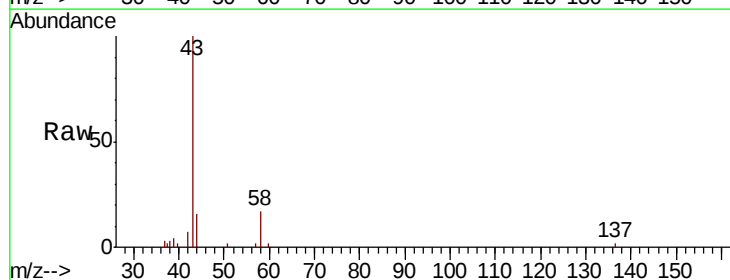
Acq: 22 Aug 2019 16:28

Tgt Ion: 43 Resp: 52575

Ion Ratio Lower Upper

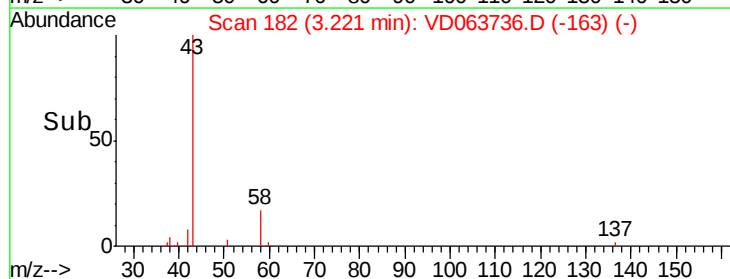
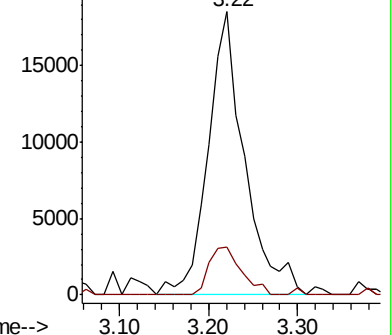
43 100

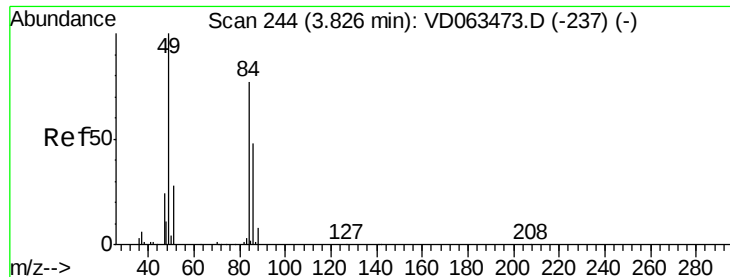
58 16.8 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

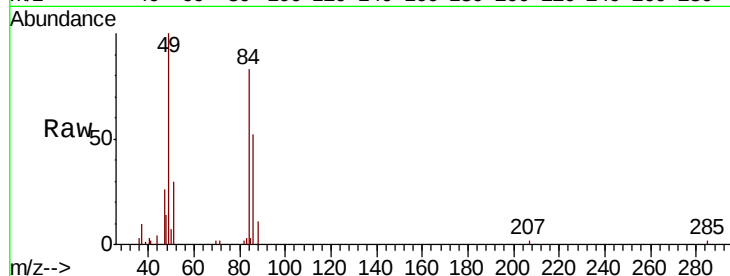




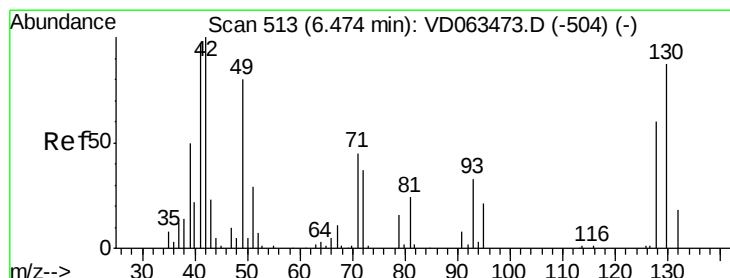
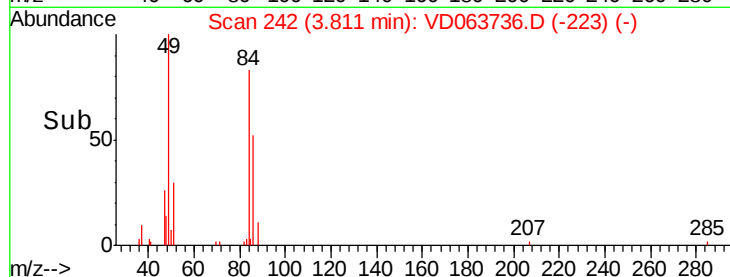
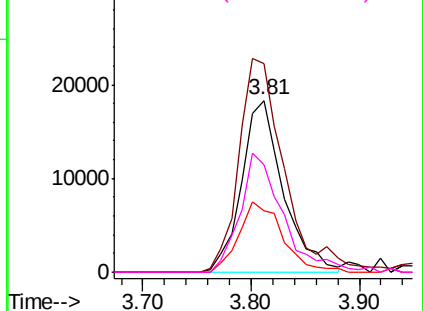
#20
Methylene Chloride
Concen: 5.848 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063736.D
Acq: 22 Aug 2019 16:28

Instrument :
MSVOA_D
ClientSampleId :
T6-A2-(2)

Tgt Ion:	84	Resp:	49016
Ion	Ratio	Lower	Upper
84	100		
49	121.1	103.4	155.2
51	35.8	28.5	42.7
86	62.6	49.4	74.2

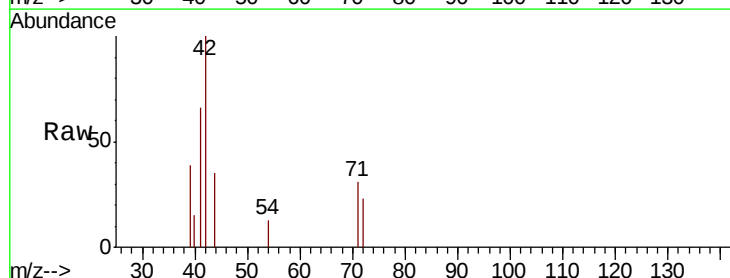


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

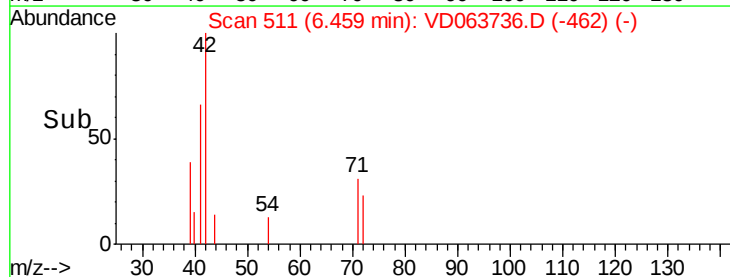
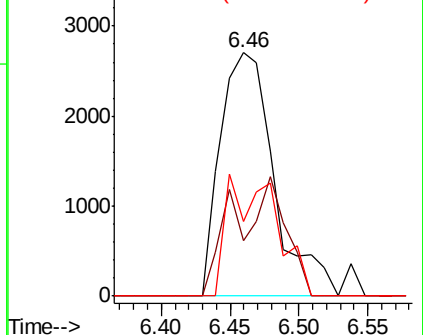


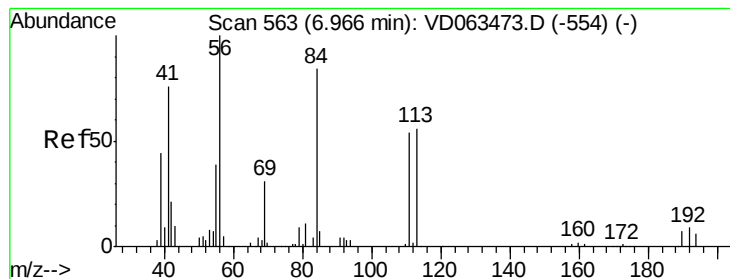
#29
Tetrahydrofuran
Concen: 8.240 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063736.D
Acq: 22 Aug 2019 16:28

Tgt Ion:	42	Resp:	7350
Ion	Ratio	Lower	Upper
42	100		
72	18.5	31.5	47.3#
71	45.0	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: 1.984 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063736.D

Acq: 22 Aug 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

T6-A2-(2)

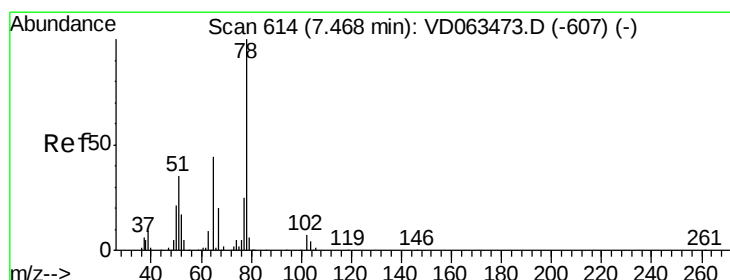
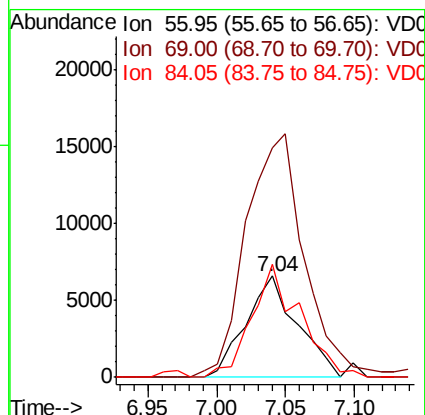
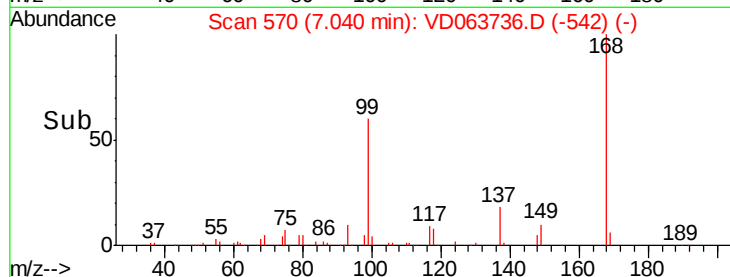
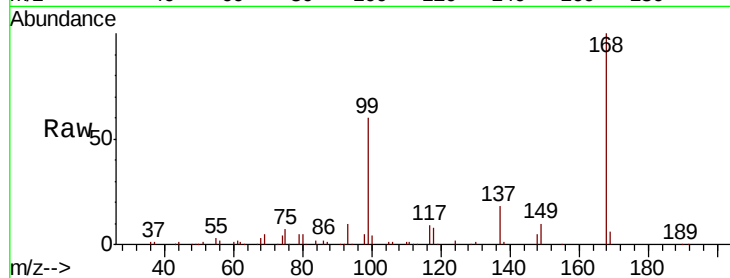
Tgt Ion: 56 Resp: 17083

Ion Ratio Lower Upper

56 100

69 226.8 25.0 37.6#

84 112.1 69.7 104.5#



#33

1,2-Dichloroethane-d4

Concen: 60.180 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063736.D

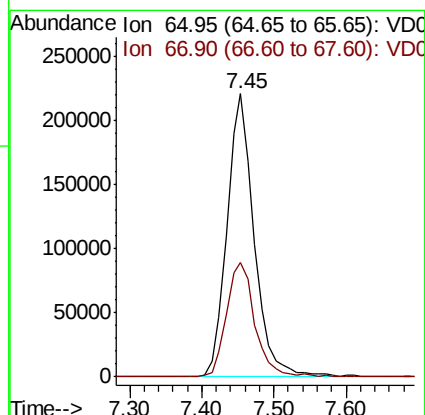
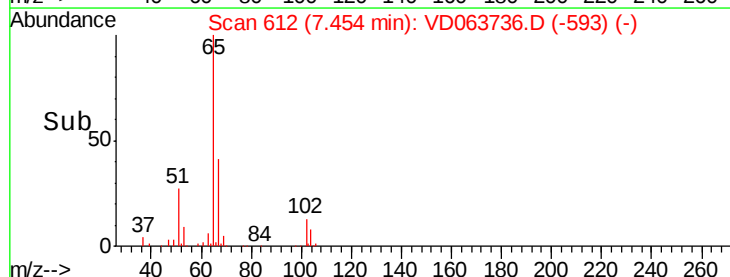
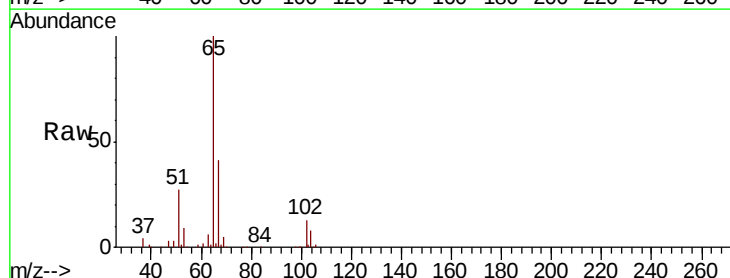
Acq: 22 Aug 2019 16:28

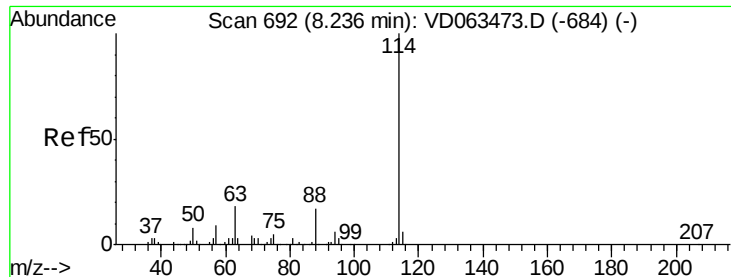
Tgt Ion: 65 Resp: 573805

Ion Ratio Lower Upper

65 100

67 40.6 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063736.D

Acq: 22 Aug 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

T6-A2-(2)

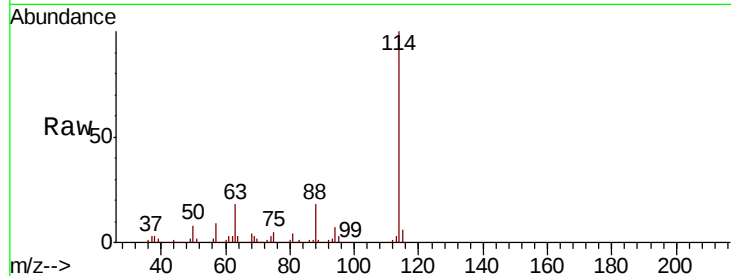
Tgt Ion:114 Resp: 1325795

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.2

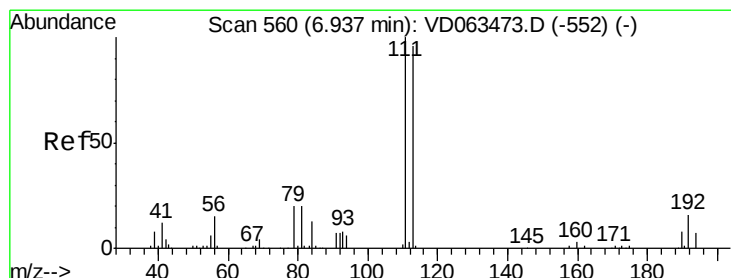
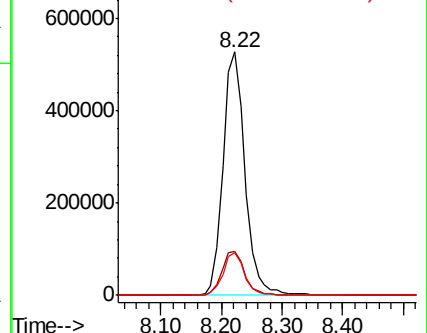
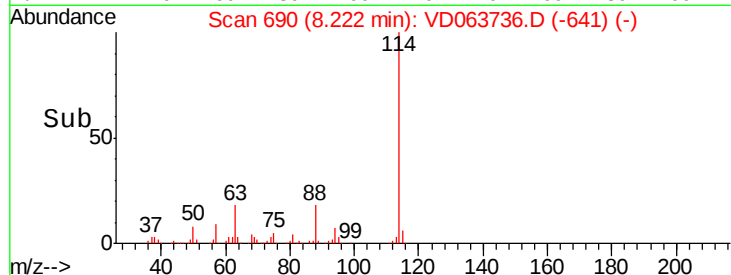
88 17.8 0.0 35.0



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: 55.703 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063736.D

Acq: 22 Aug 2019 16:28

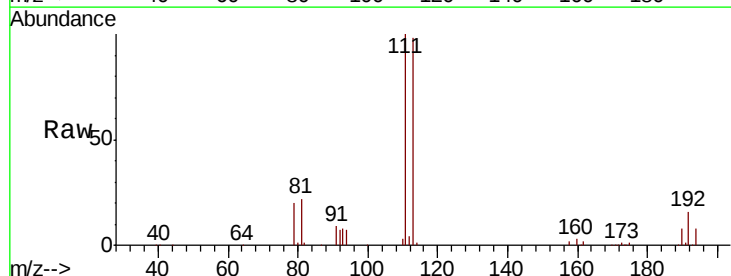
Tgt Ion:113 Resp: 621974

Ion Ratio Lower Upper

113 100

111 102.0 83.1 124.7

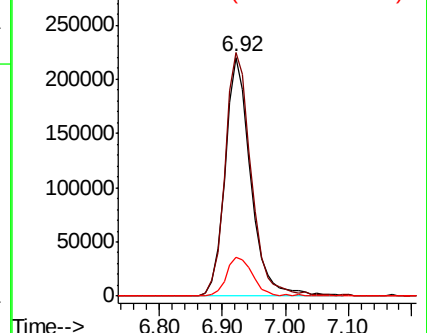
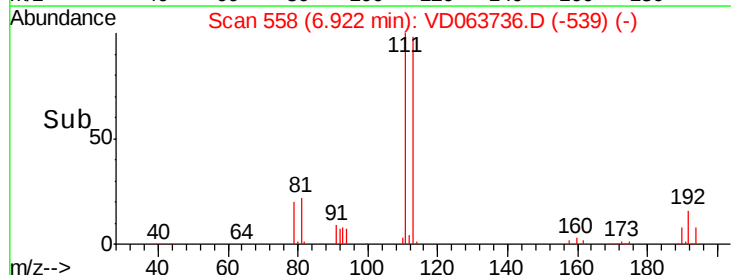
192 16.2 13.1 19.7

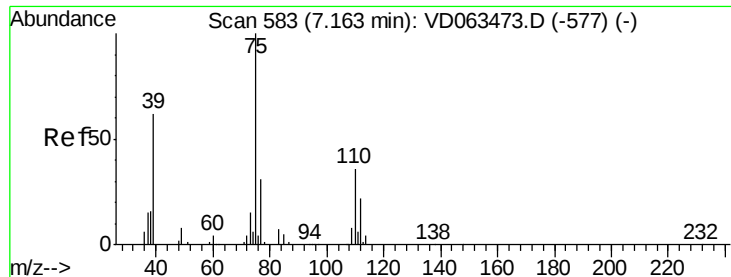


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

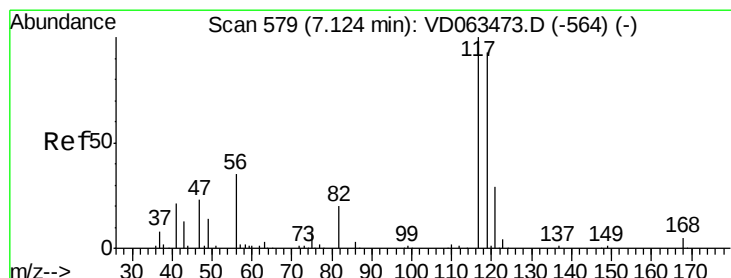
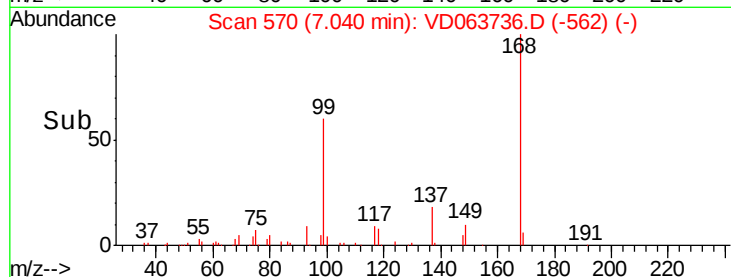
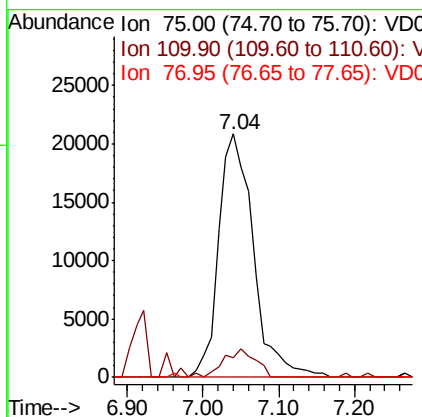
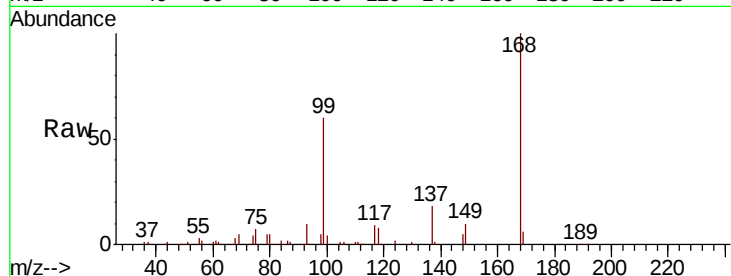




#36
 1,1-Dichloropropene
 Concen: 5.665 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD063736.D
 Acq: 22 Aug 2019 16:28

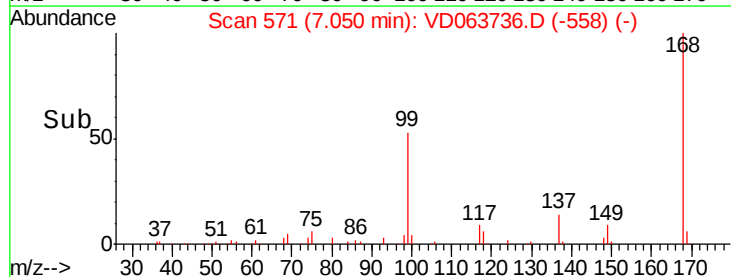
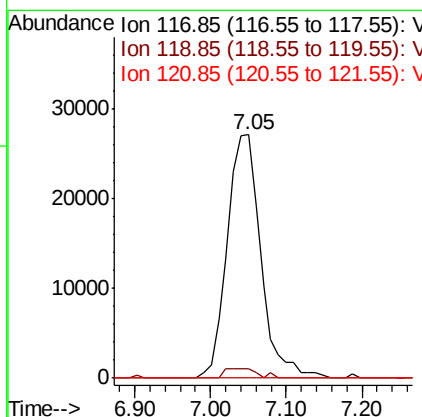
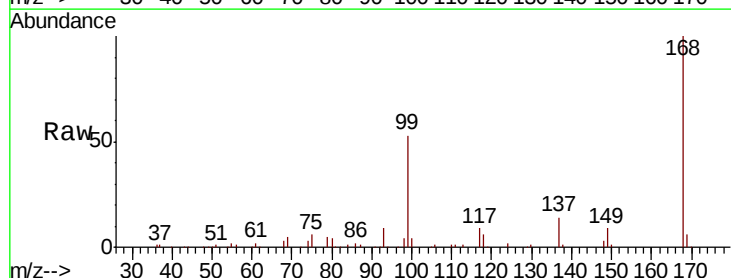
Instrument :
 MSVOA_D
 ClientSampled :
 T6-A2-(2)

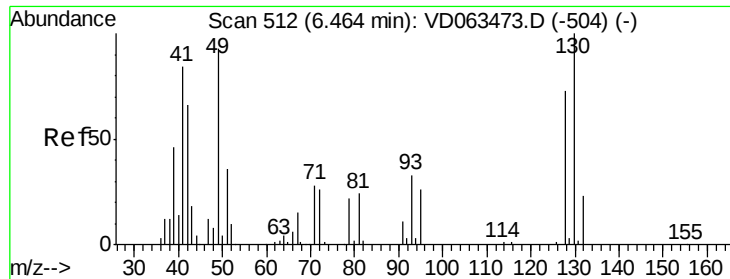
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 4.722 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD063736.D
 Acq: 22 Aug 2019 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	74.2	111.2#
121	0.0	23.1	34.7#





#41

Methacrylonitrile

Concen: 1.006 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD063736.D

Acq: 22 Aug 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

T6-A2-(2)

Tgt Ion: 41 Resp: 6220

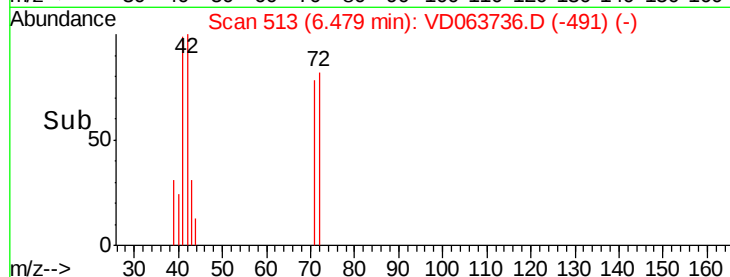
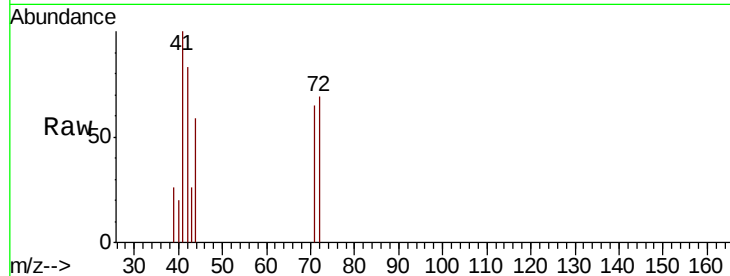
Ion Ratio Lower Upper

41 100

39 25.7 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

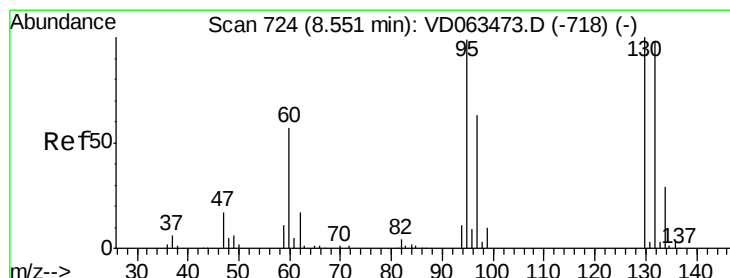
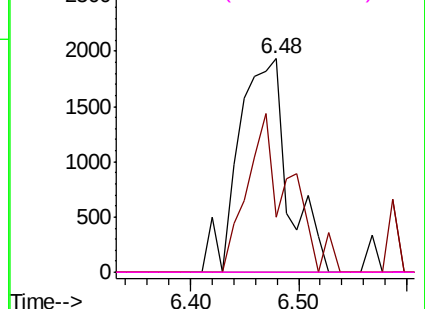


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#44

Trichloroethene

Concen: 1.771 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD063736.D

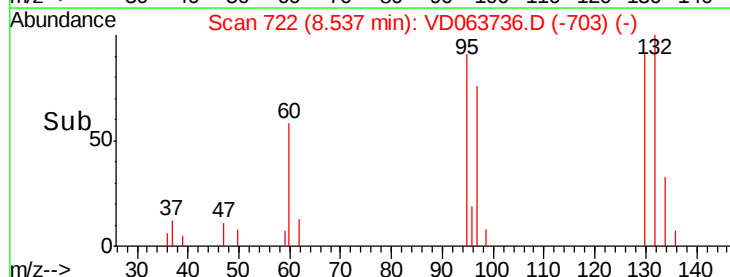
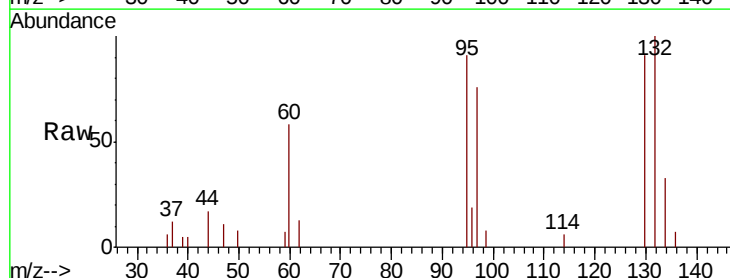
Acq: 22 Aug 2019 16:28

Tgt Ion: 130 Resp: 17460

Ion Ratio Lower Upper

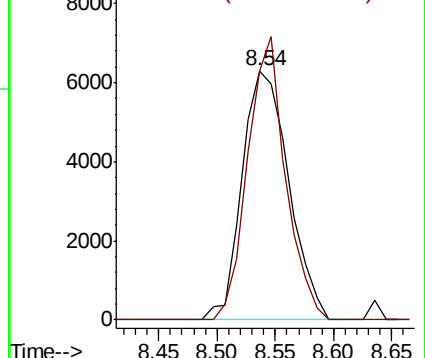
130 100

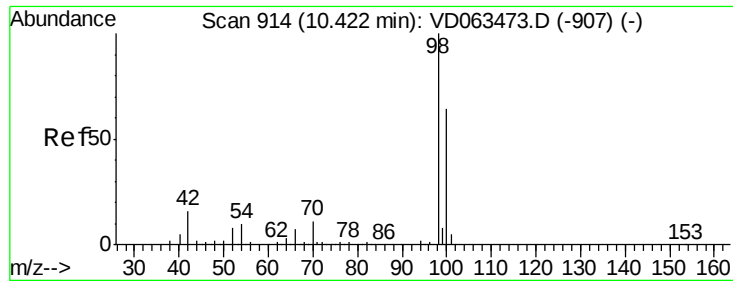
95 99.8 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

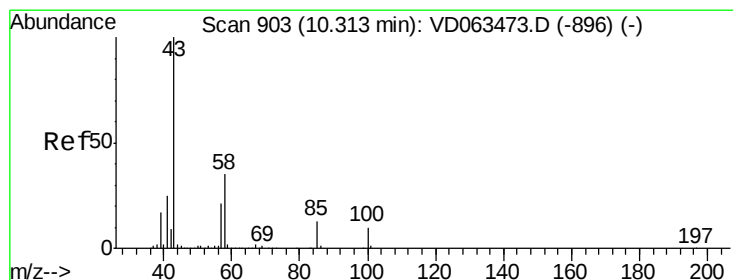
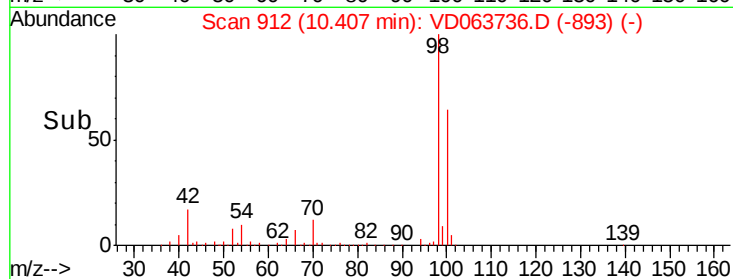
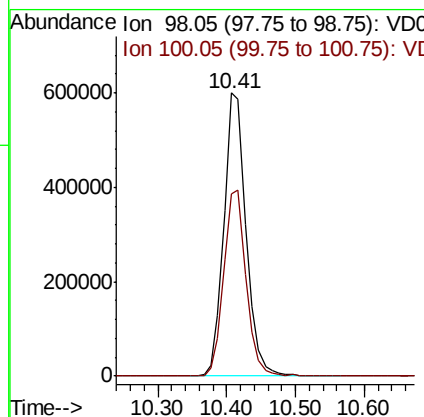
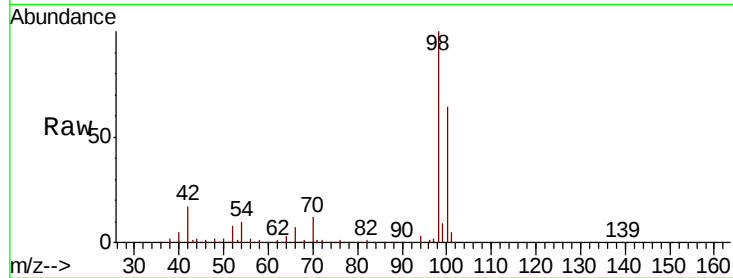




#50
Toluene-d8
Concen: 54.598 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063736.D
Acq: 22 Aug 2019 16:28

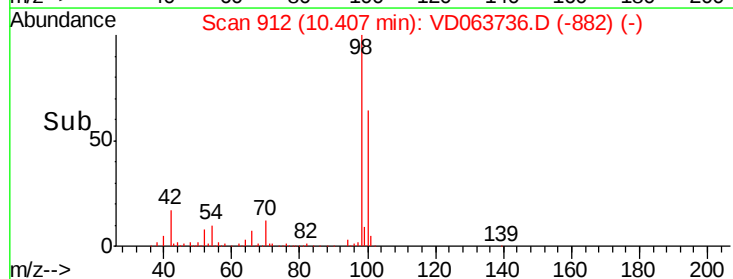
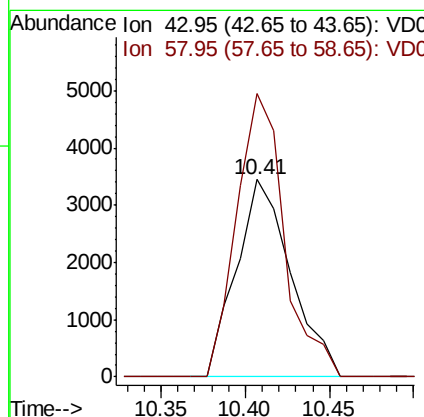
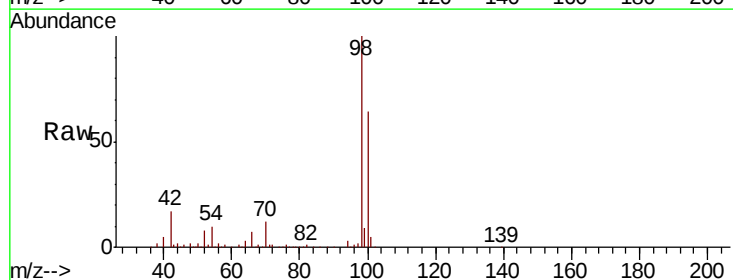
Instrument :
MSVOA_D
ClientSampleId :
T6-A2-(2)

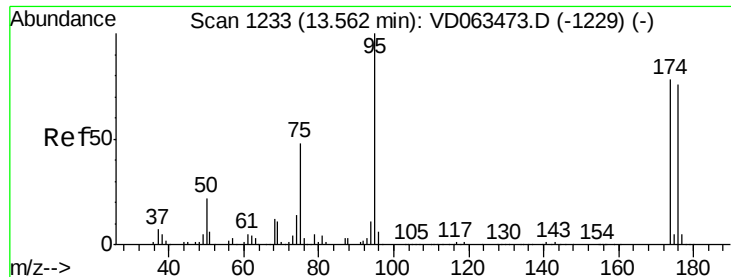
Tgt Ion: 98 Resp: 1340316
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.710 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.09 min
Lab File: VD063736.D
Acq: 22 Aug 2019 16:28

Tgt Ion: 43 Resp: 7695
Ion Ratio Lower Upper
43 100
58 143.3 28.0 42.0#





#62

4-Bromofluorobenzene

Concen: 46.043 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063736.D

Acq: 22 Aug 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

T6-A2-(2)

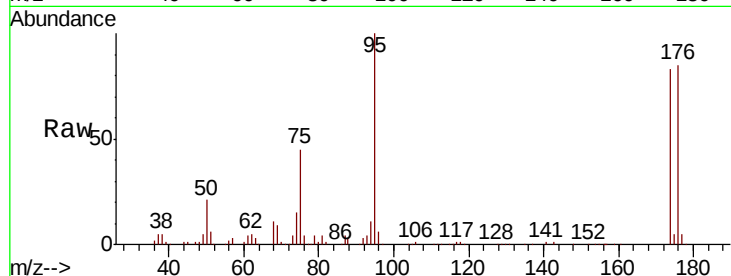
Tgt Ion: 95 Resp: 512299

Ion Ratio Lower Upper

95 100

174 83.2 0.0 155.4

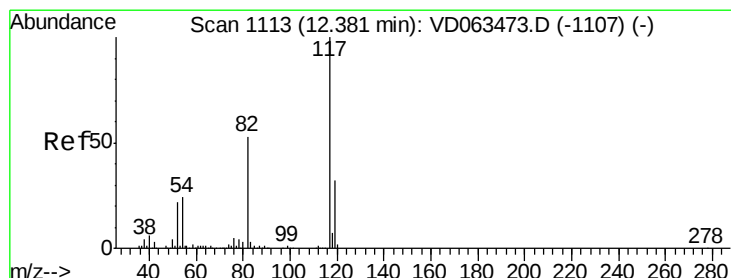
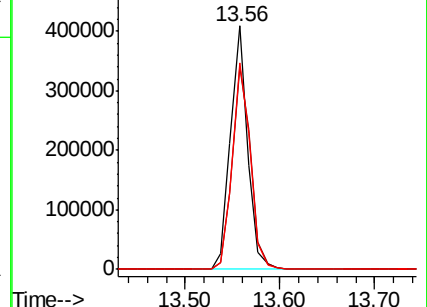
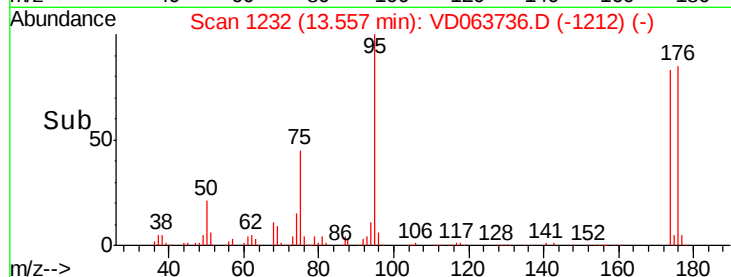
176 84.6 0.0 152.4



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: 12.37 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063736.D

Acq: 22 Aug 2019 16:28

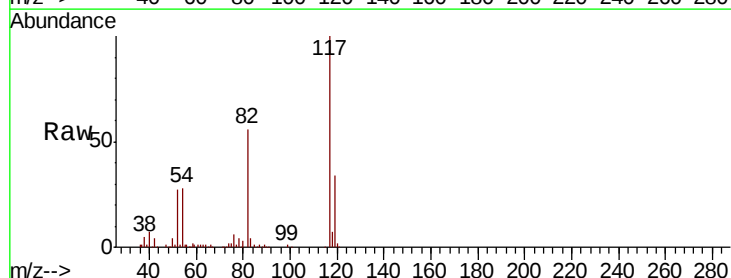
Tgt Ion: 117 Resp: 1037517

Ion Ratio Lower Upper

117 100

82 56.1 42.0 63.0

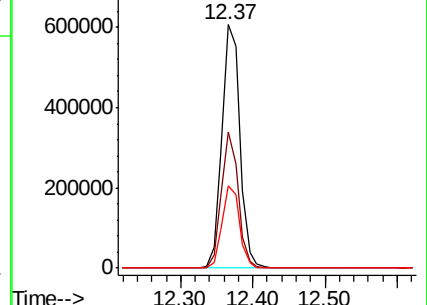
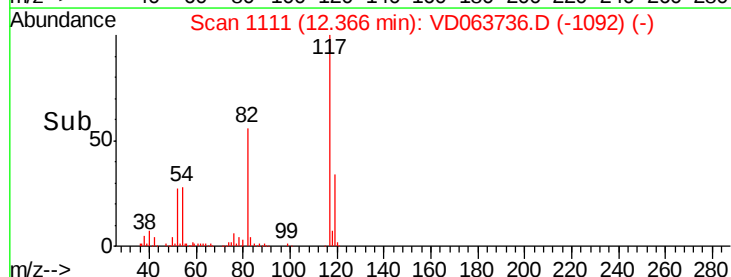
119 33.9 25.4 38.0

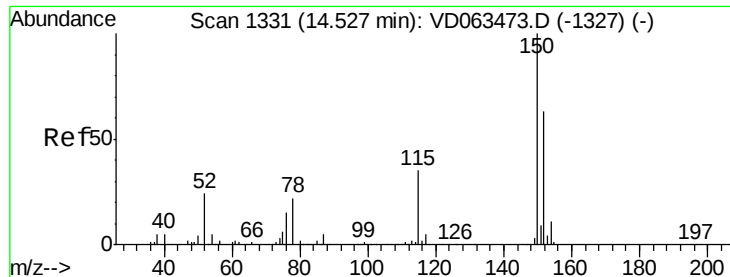


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

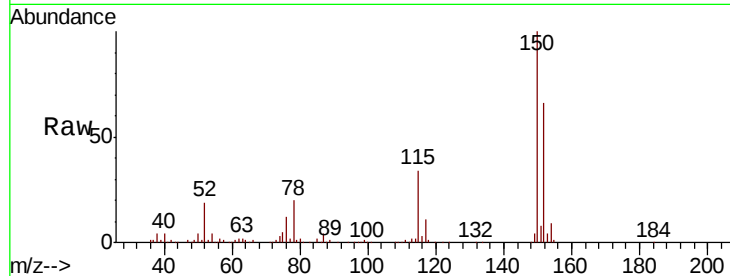




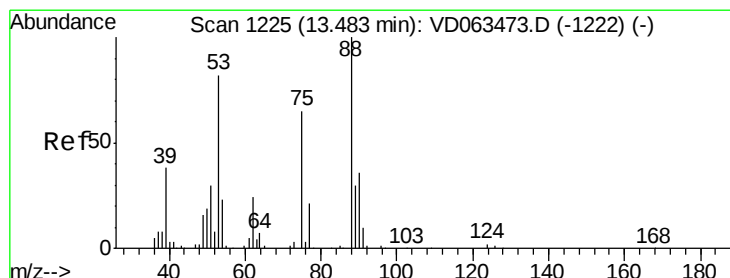
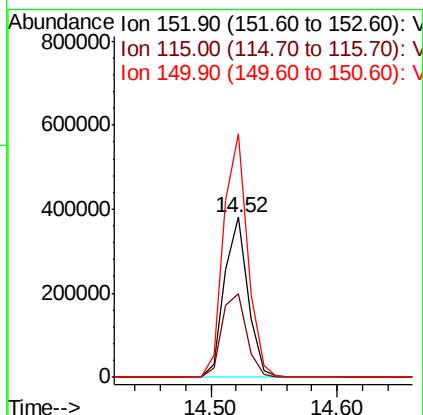
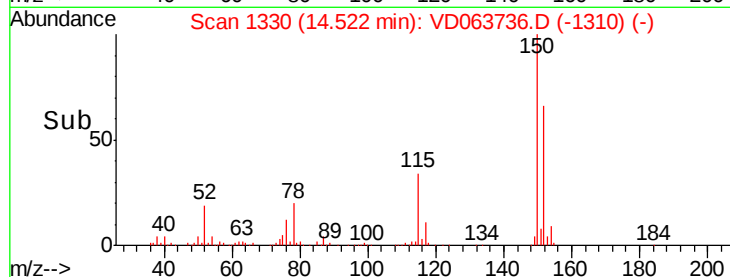
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD063736.D
 Acq: 22 Aug 2019 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A2-(2)

Tgt Ion: 152 Resp: 490081
 Ion Ratio Lower Upper
 152 100
 115 51.9 30.9 92.7
 150 152.1 0.0 318.6

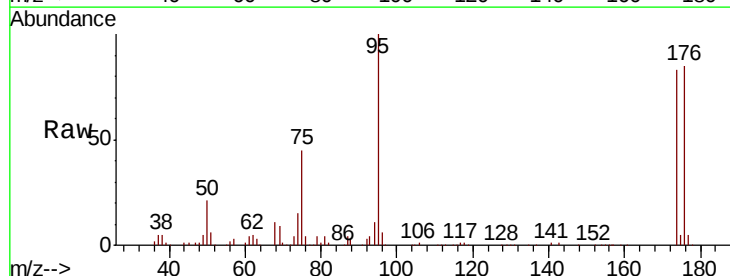


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.650 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063736.D
 Acq: 22 Aug 2019 16:28

Tgt Ion: 75 Resp: 227741
 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

