

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063533.D
 Acq On : 13 Aug 2019 17:58
 Operator : JC/SY
 Sample : K4089-01
 Misc : 5.98g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:29:27 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	1102533	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1530512	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1198432	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	473397	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	459676	39.00	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	78.00%	
35) Dibromofluoromethane	6.93	113	566286	43.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.86%	
50) Toluene-d8	10.42	98	1112119	39.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.48%	
62) 4-Bromofluorobenzene	13.56	95	395928	30.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	61.64%	

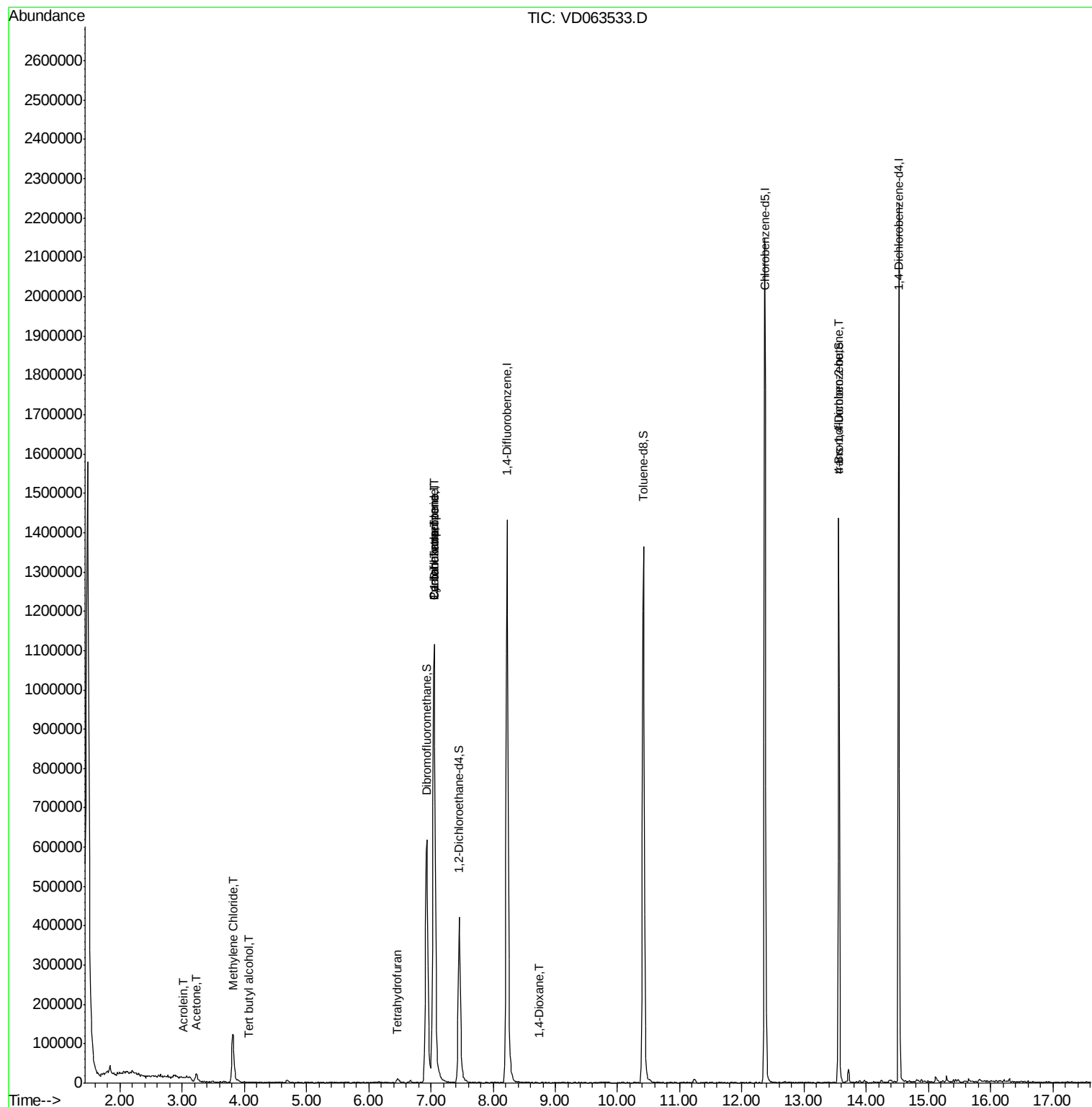
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	697	1.359	ug/l #	71
13) Acrolein	3.02	56	646	1.279	ug/l #	43
16) Acetone	3.22	43	38110	15.908	ug/l #	89
20) Methylene Chloride	3.81	84	77208	7.453	ug/l #	96
29) Tetrahydrofuran	6.46	42	8861	8.037	ug/l	95
31) Cyclohexane	7.04	56	24020	2.257	ug/l #	17
36) 1,1-Dichloropropene	7.04	75	81842	6.049	ug/l #	52
38) Carbon Tetrachloride	7.05	117	104067	5.103	ug/l #	17
49) 1,4-Dioxane	8.74	88	227	29.554	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.56	75	172422	118.077	ug/l #	1

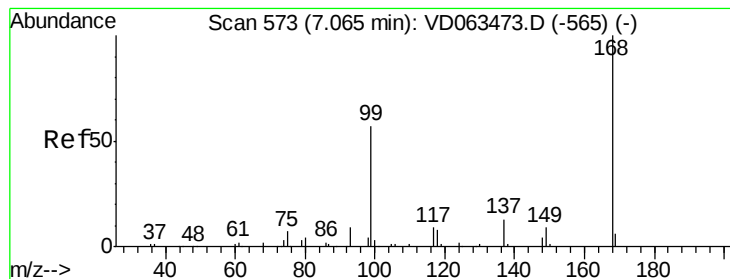
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063533.D

Acq: 13 Aug 2019 17:58

Instrument :

MSVOA_D

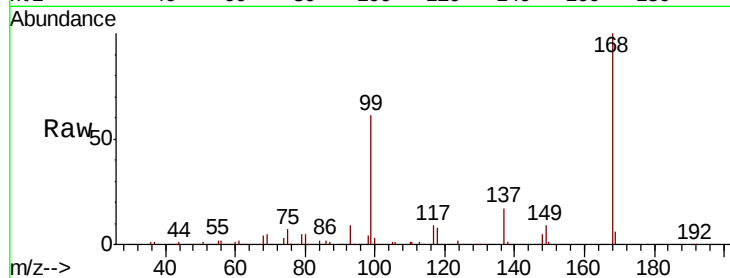
ClientSampleId :

Tot Ion:168 Resp: 1102533

Ion Ratio Lower Upper

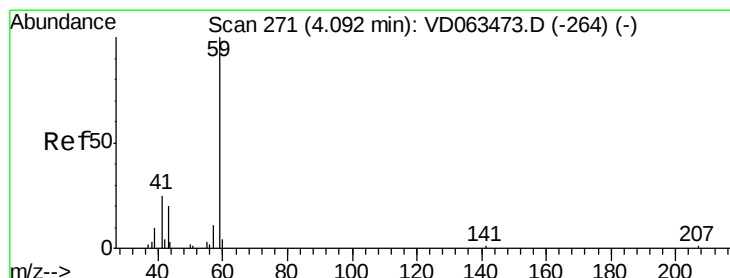
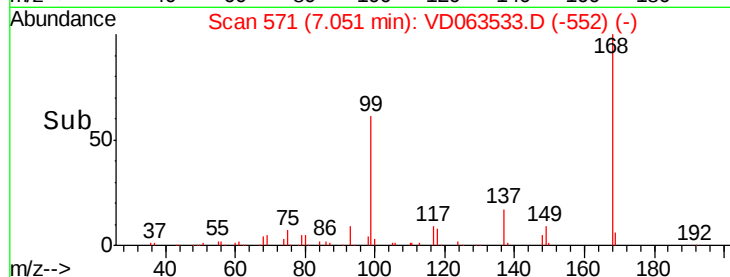
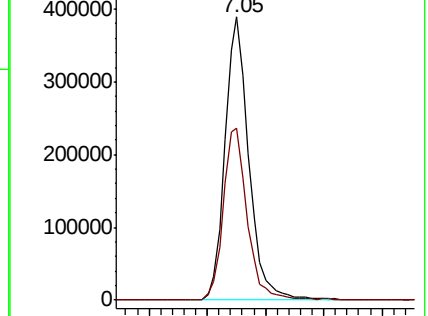
168 100

99 60.8 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: 1.359 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD063533.D

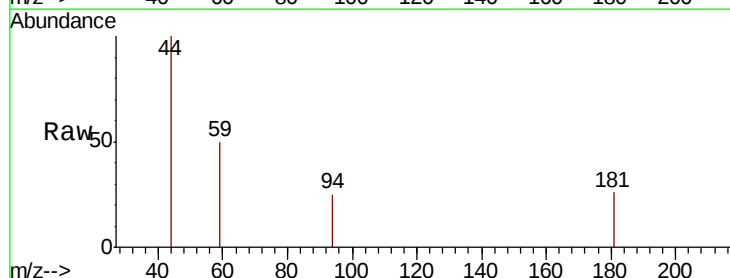
Acq: 13 Aug 2019 17:58

Tgt Ion: 59 Resp: 697

Ion Ratio Lower Upper

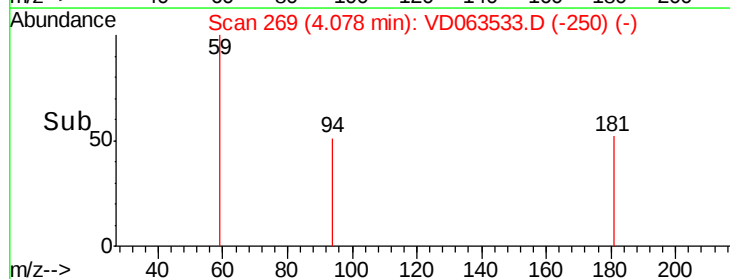
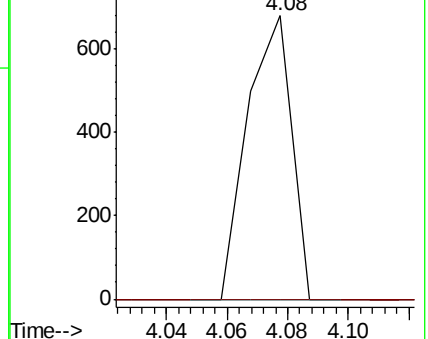
59 100

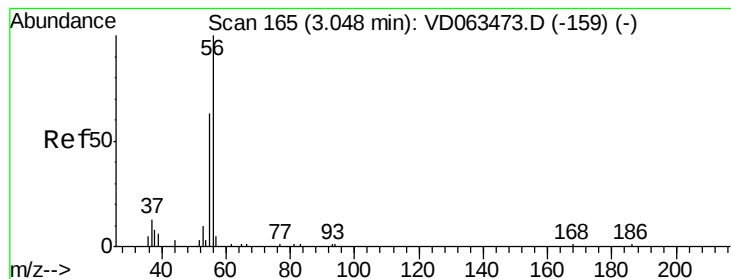
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.279 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD063533.D

Acq: 13 Aug 2019 17:58

Instrument :

MSVOA_D

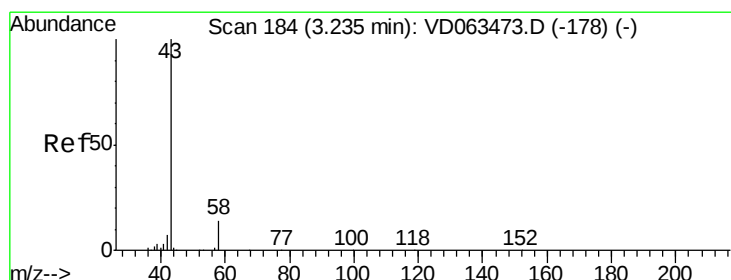
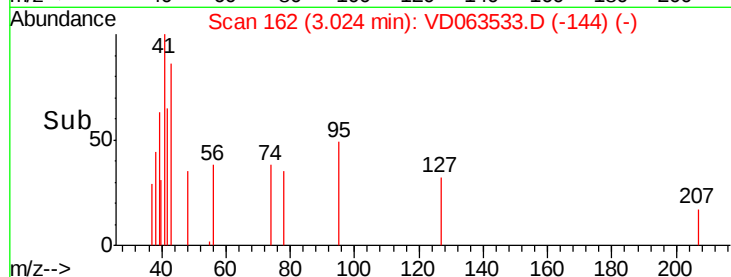
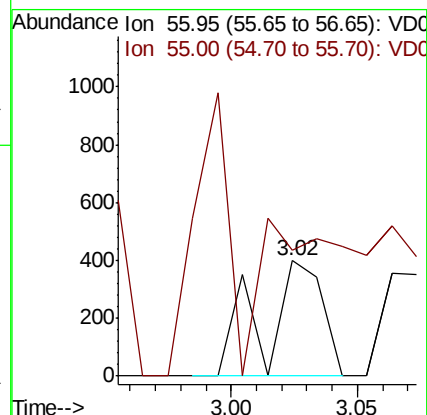
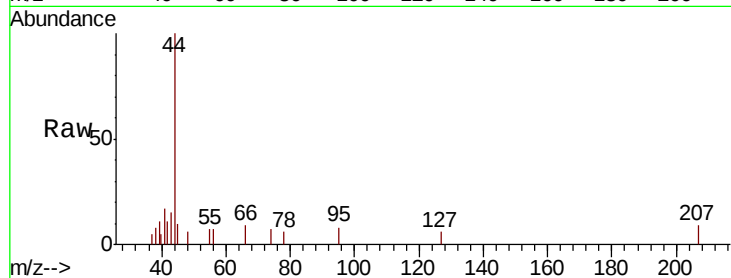
ClientSampled :

Tot Ion: 56 Resp: 646

Ion Ratio Lower Upper

56 100

55 109.0 51.3 76.9#



#16

Acetone

Concen: 15.908 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063533.D

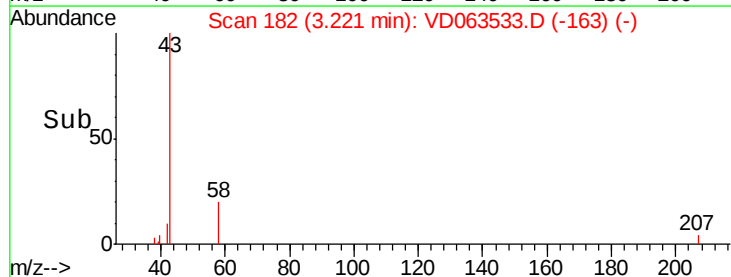
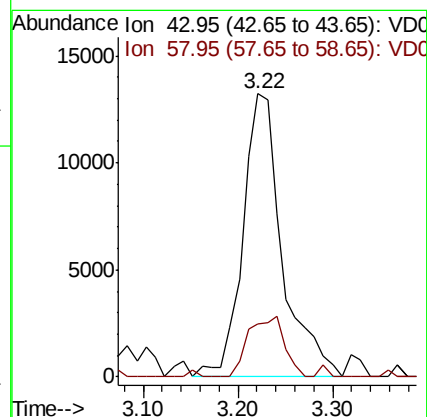
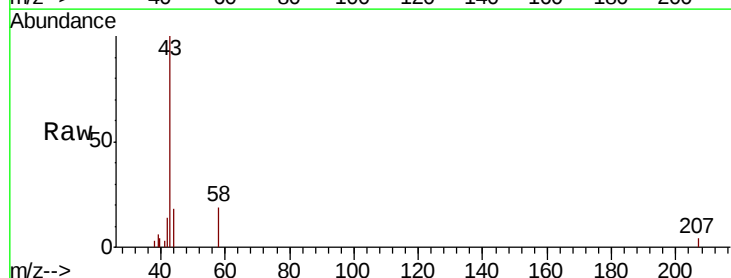
Acq: 13 Aug 2019 17:58

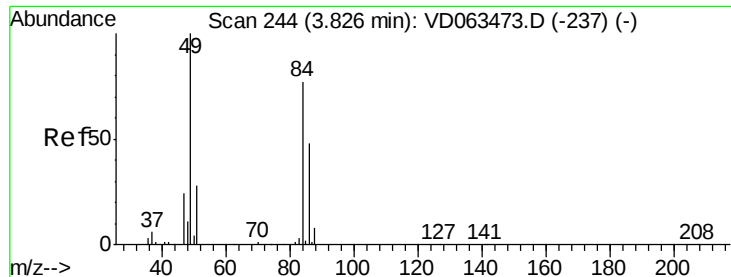
Tgt Ion: 43 Resp: 38110

Ion Ratio Lower Upper

43 100

58 18.7 11.4 17.2#

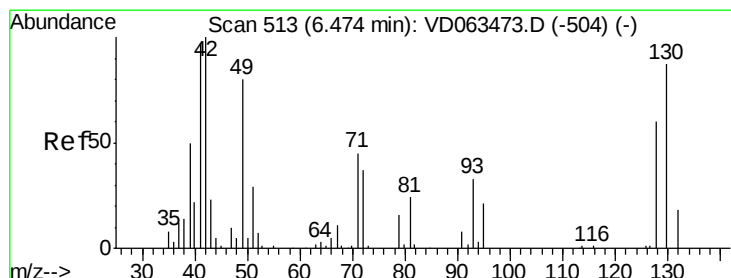
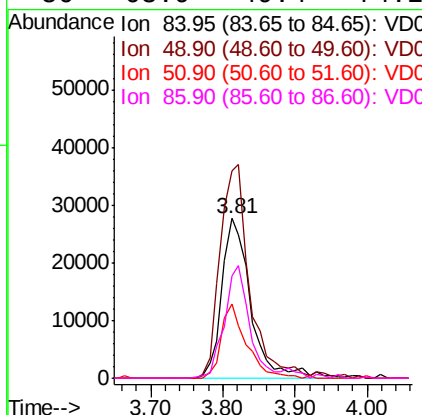
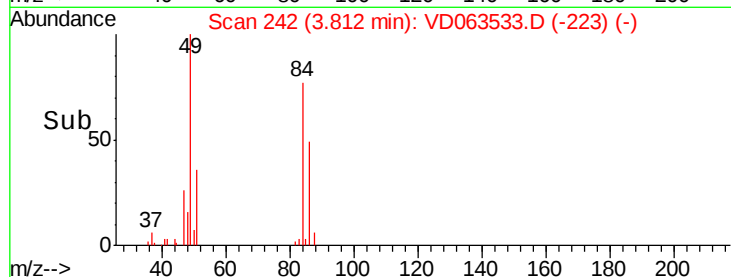
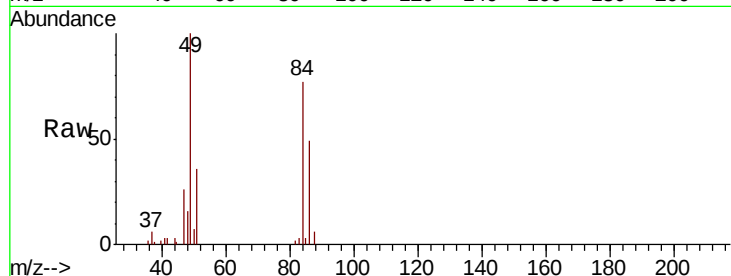




#20
Methvlene Chloride
Concen: 7.453 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063533.D
Acq: 13 Aug 2019 17:58

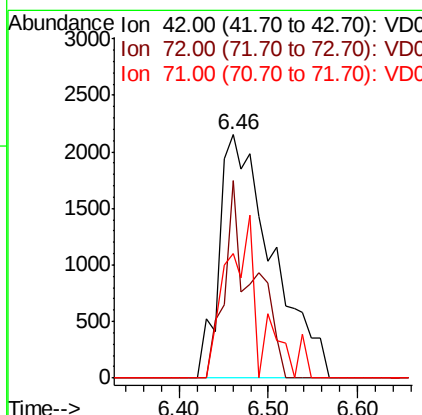
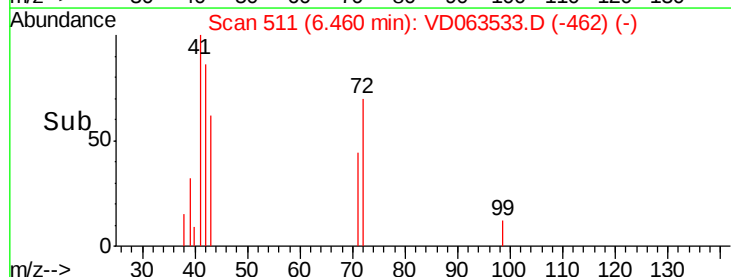
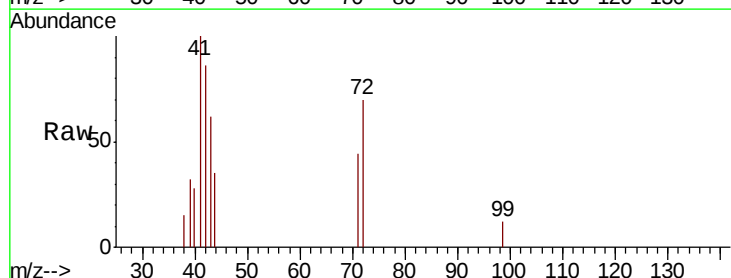
Instrument :
MSVOA_D
ClientSampleId :

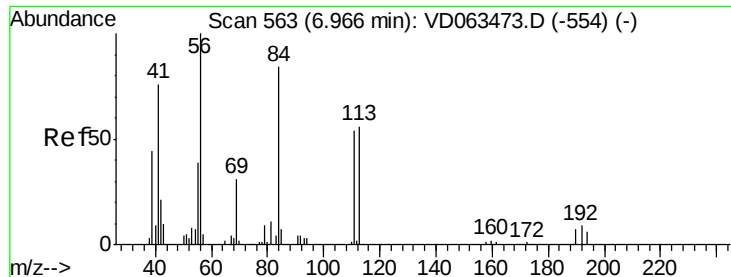
Tot Ion: 84 Resp: 77208
Ion Ratio Lower Upper
84 100
49 129.5 103.4 155.2
51 46.1 28.5 42.7#
86 63.9 49.4 74.2



#29
Tetrahydrofuran
Concen: 8.037 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063533.D
Acq: 13 Aug 2019 17:58

Tgt Ion: 42 Resp: 8861
Ion Ratio Lower Upper
42 100
72 44.2 31.5 47.3
71 40.7 33.8 50.8

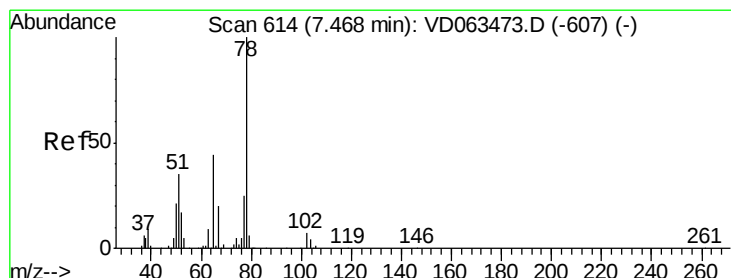
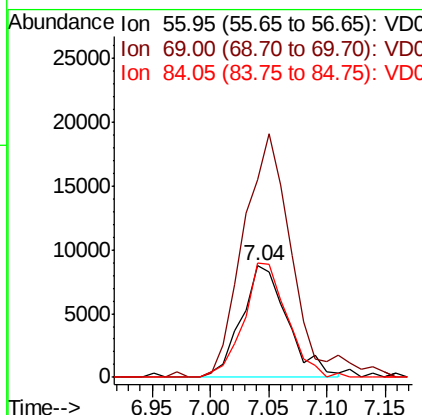
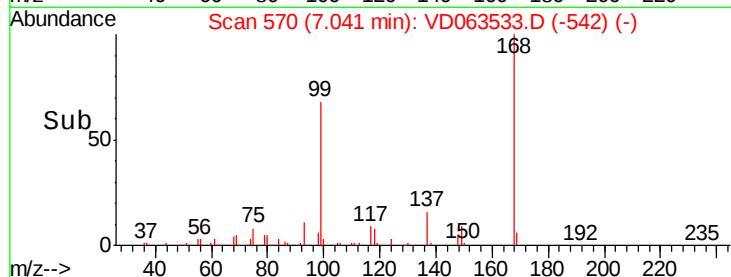
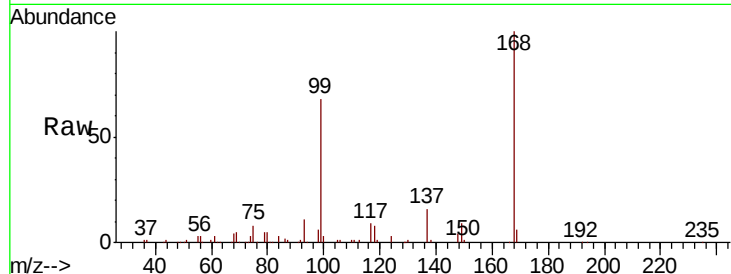




#31
Cvclohexane
Concen: 2.257 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063533.D
Acq: 13 Aug 2019 17:58

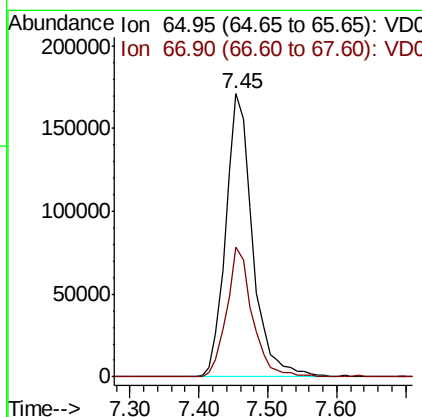
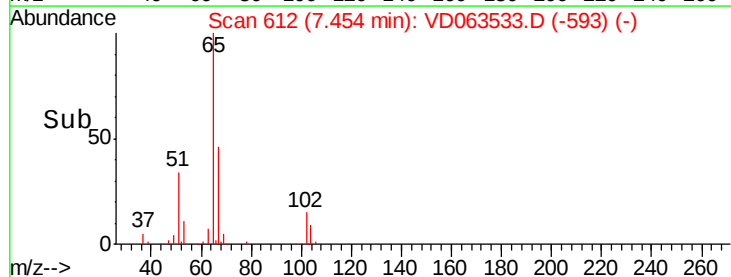
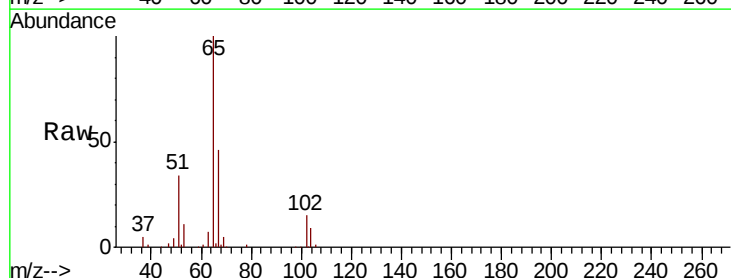
Instrument :
MSVOA_D
ClientSampleId :

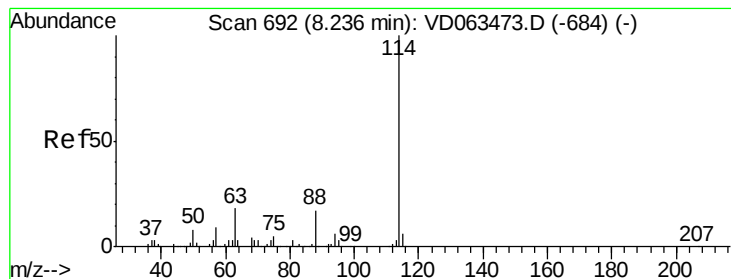
Tot Ion: 56 Resp: 24020
Ion Ratio Lower Upper
56 100
69 177.2 25.0 37.6#
84 103.1 69.7 104.5



#33
1,2-Dichloroethane-d4
Concen: 39.004 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063533.D
Acq: 13 Aug 2019 17:58

Tgt Ion: 65 Resp: 459676
Ion Ratio Lower Upper
65 100
67 45.8 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: VD063533.D

Acq: 13 Aug 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

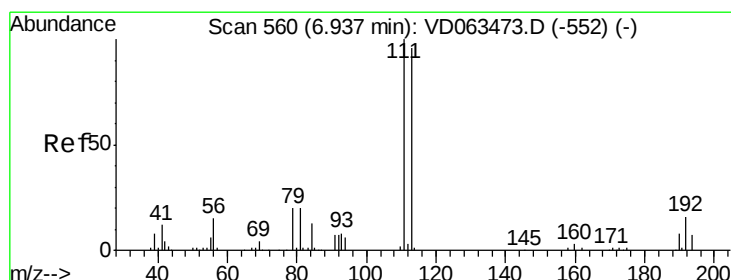
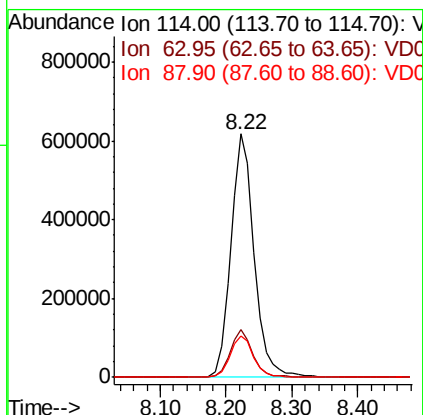
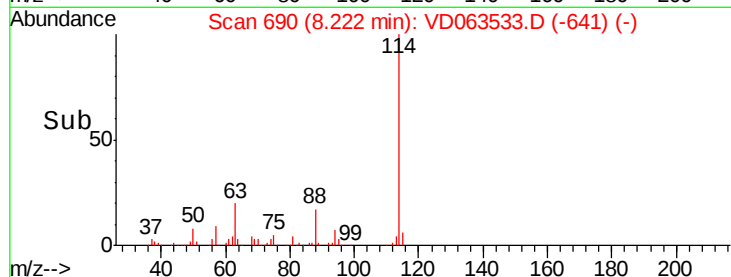
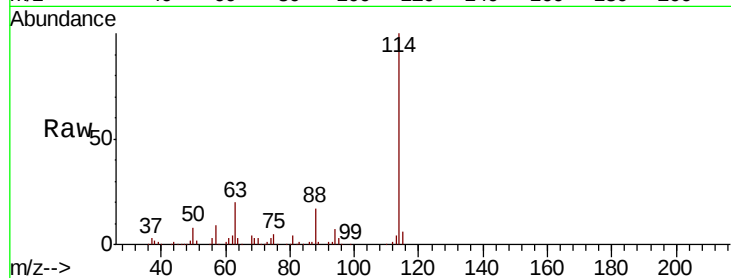
Tot Ion:114 Resp: 1530512

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.2

88 16.8 0.0 35.0



#35

Dibromofluoromethane

Concen: 43.932 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063533.D

Acq: 13 Aug 2019 17:58

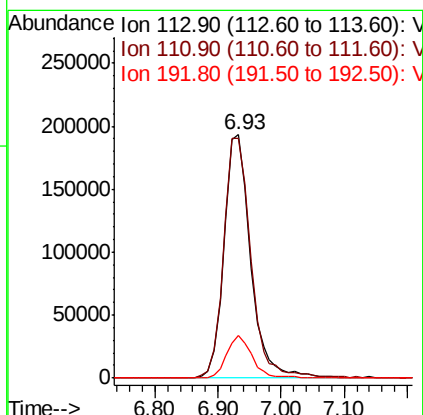
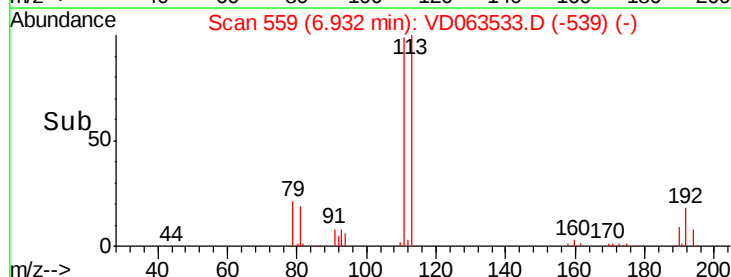
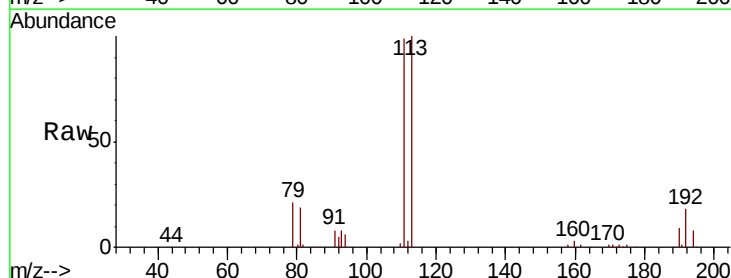
Tgt Ion:113 Resp: 566286

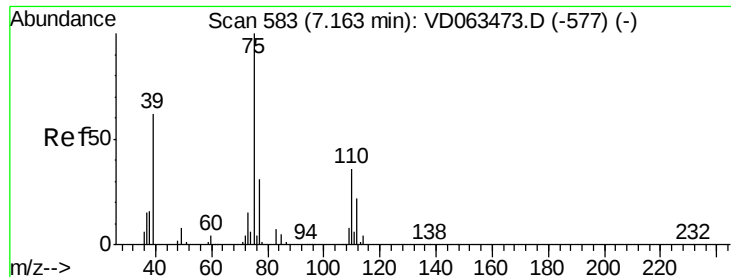
Ion Ratio Lower Upper

113 100

111 98.7 83.1 124.7

192 17.7 13.1 19.7

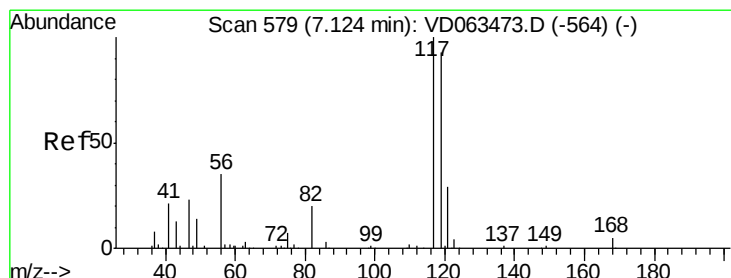
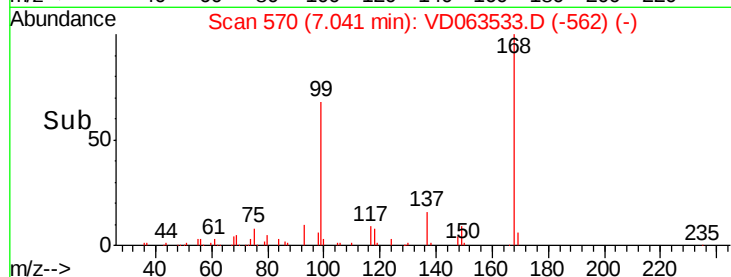
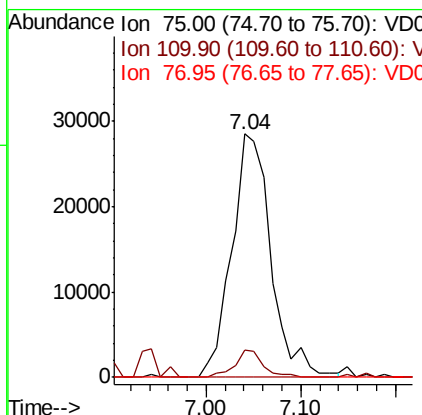
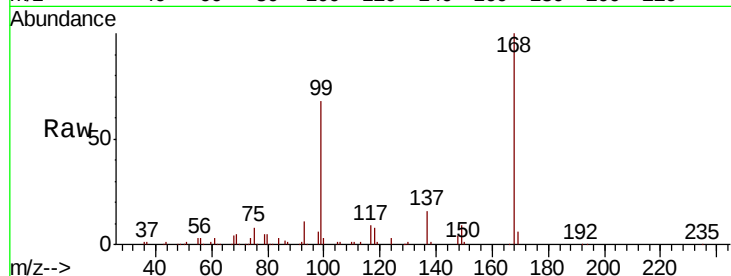




#36
 1,1-Dichloropropene
 Concen: 6.049 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD063533.D
 Acq: 13 Aug 2019 17:58

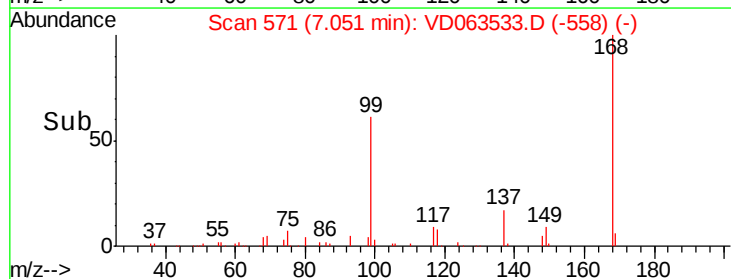
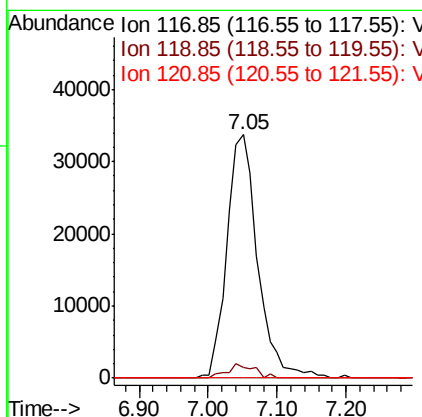
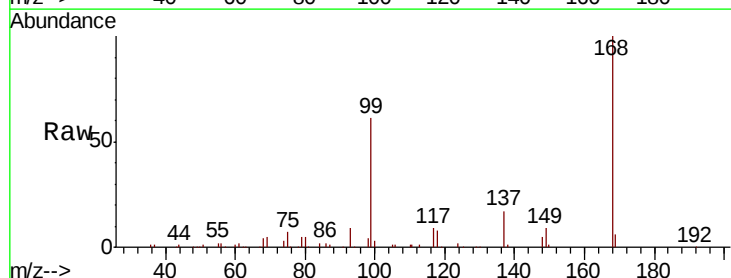
Instrument :
 MSVOA_D
 ClientSampled :

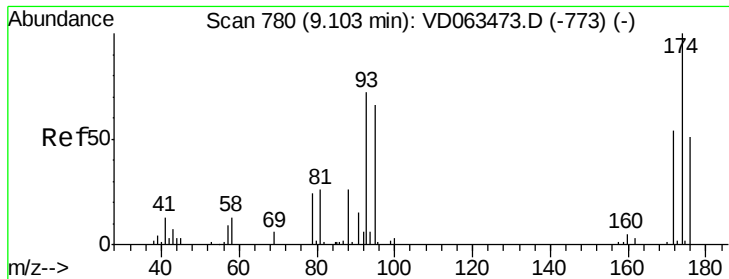
Tot Ion	75	Resp	81842
Ion Ratio	Lower	Upper	
75	100		
110	11.3	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.103 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD063533.D
 Acq: 13 Aug 2019 17:58

Tgt Ion	117	Resp	104067
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.6	74.2	111.2#
121	0.0	23.1	34.7#

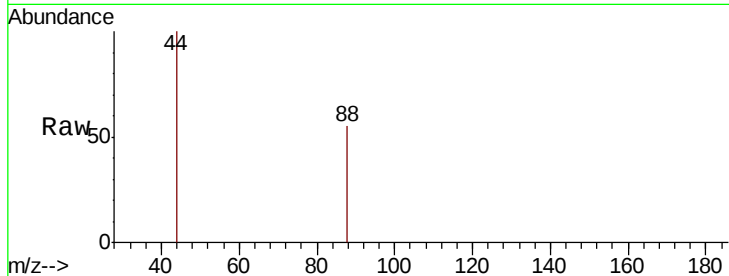




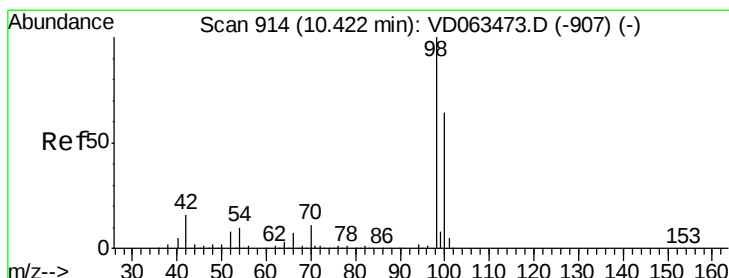
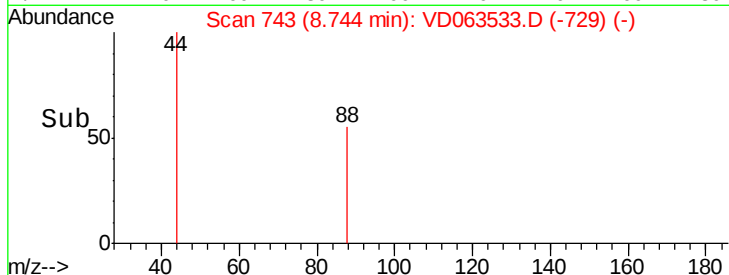
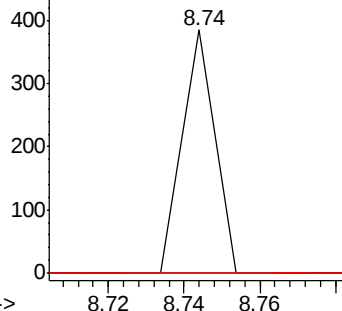
#49
 1,4-Dioxane
 Concen: 29.554 ug/l
 RT: 8.74 min Scan# 743
 Delta R.T. -0.36 min
 Lab File: VD063533.D
 Acq: 13 Aug 2019 17:58

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 227
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 0.0 40.1 60.1#

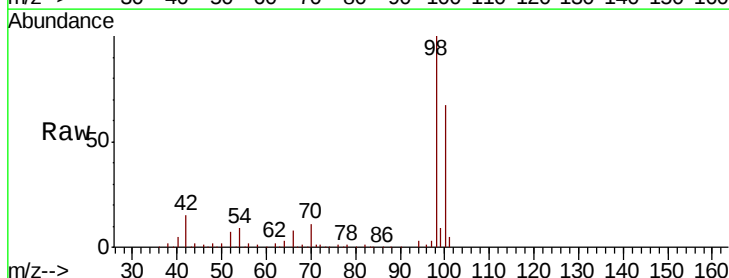


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

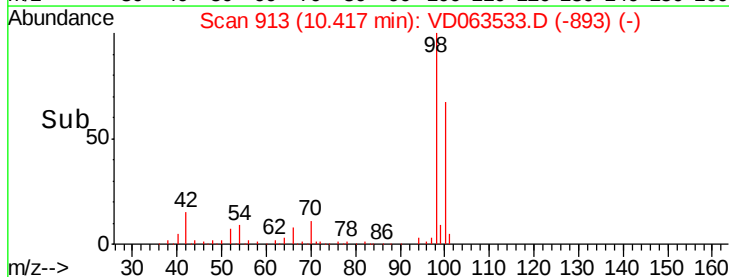
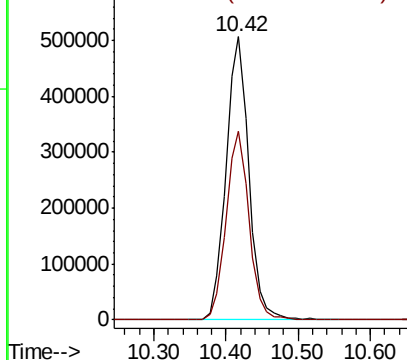


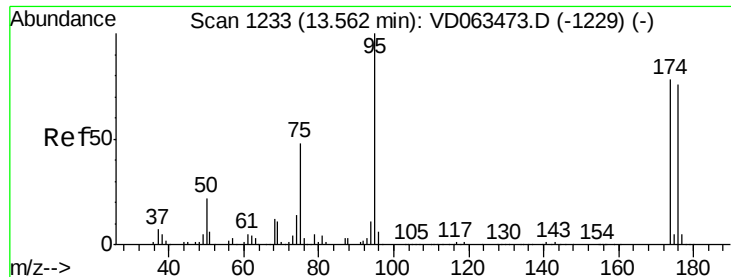
#50
 Toluene-d8
 Concen: 39.243 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VD063533.D
 Acq: 13 Aug 2019 17:58

Tgt Ion: 98 Resp: 1112119
 Ion Ratio Lower Upper
 98 100
 100 66.6 51.7 77.5



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

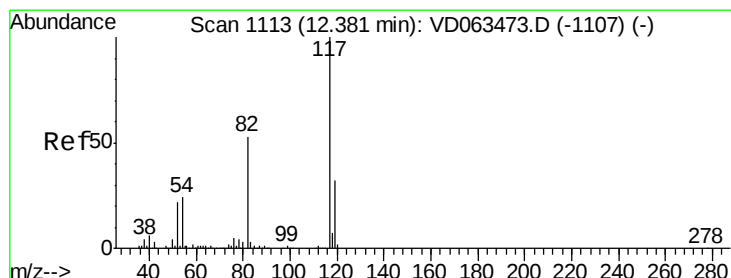
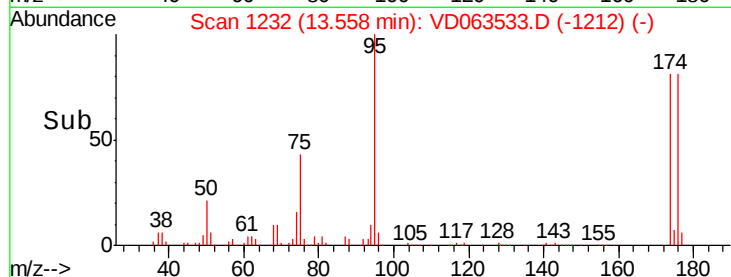
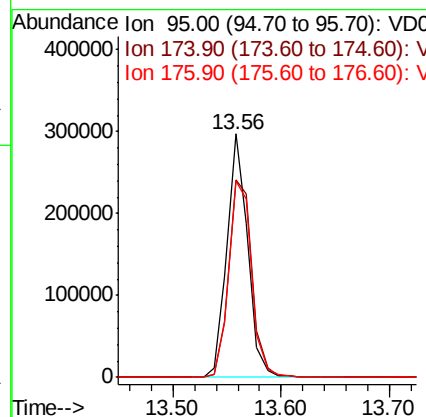
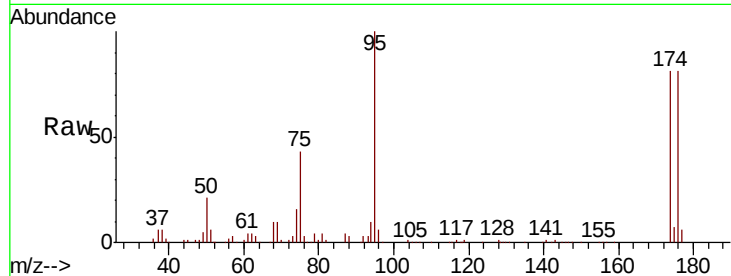




#62
4-Bromofluorobenzene
Concen: 30.824 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063533.D
Acq: 13 Aug 2019 17:58

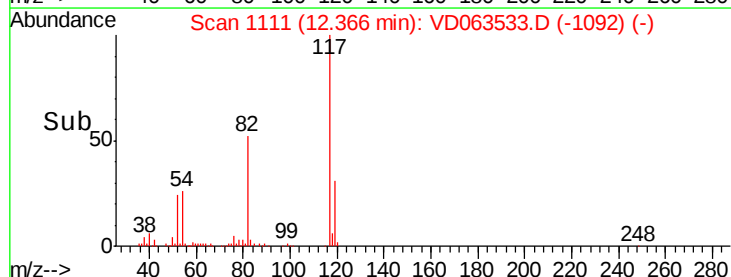
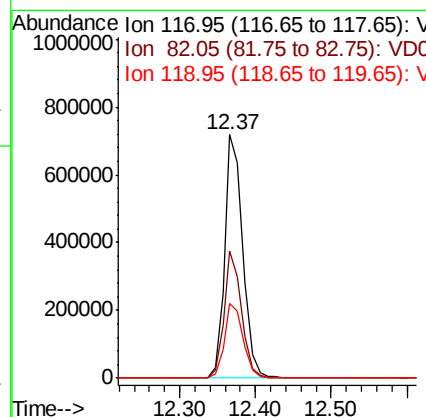
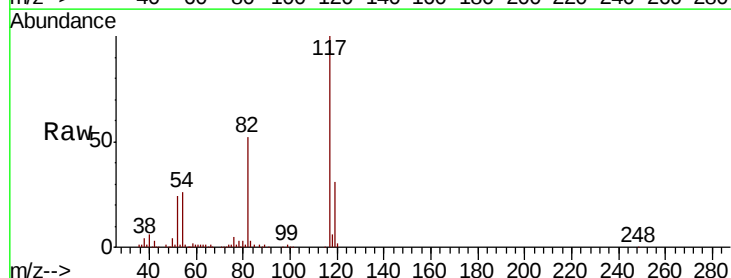
Instrument :
MSVOA_D
ClientSampleId :

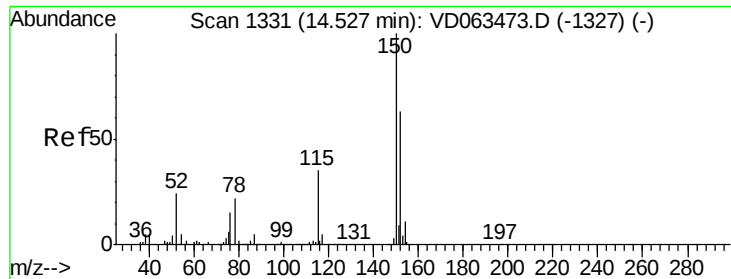
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	155.4
176	80.8	0.0	152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063533.D
Acq: 13 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.0	63.0
119	30.9	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063533.D

Acq: 13 Aug 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

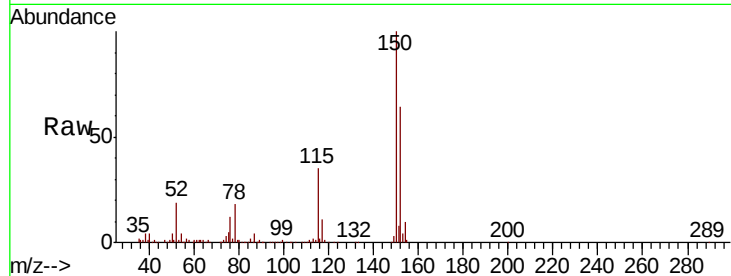
Tot Ion:152 Resp: 473397

Ion Ratio Lower Upper

152 100

115 54.5 30.9 92.7

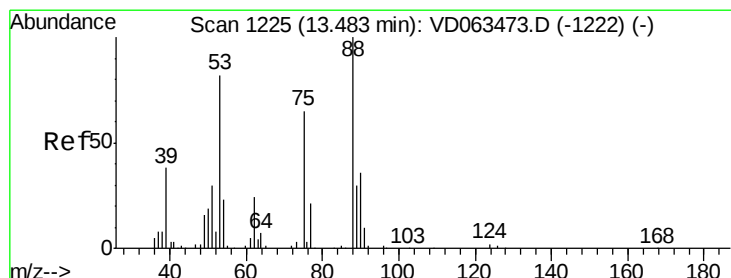
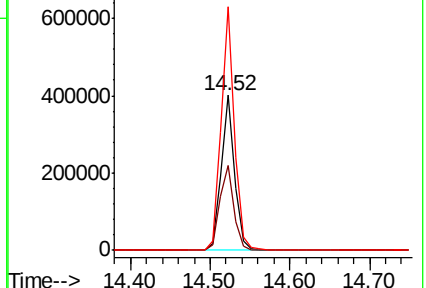
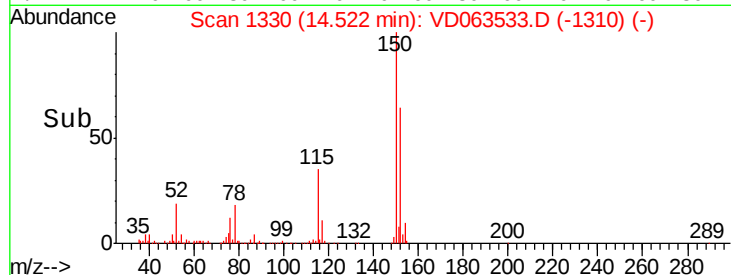
150 157.1 0.0 318.6



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: 118.077 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063533.D

Acq: 13 Aug 2019 17:58

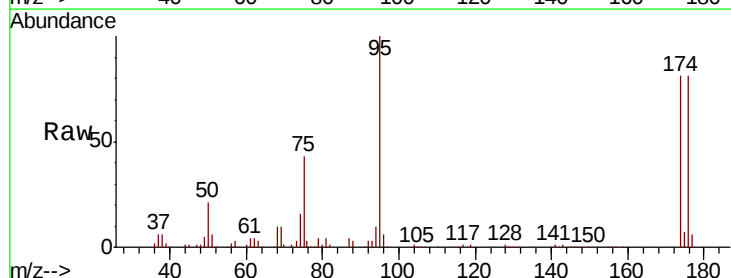
Tgt Ion: 75 Resp: 172422

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

