

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063553.D
 Acq On : 14 Aug 2019 4:50
 Operator : JC/SY
 Sample : K4324-02
 Misc : 5.99g/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:34:16 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	868539	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1344487	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	946326	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	320856	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	445052	47.94	ug/l	-0.01
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	6.93	113	516460	45.61	ug/l	-0.01
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	10.41	98	935993	37.60	ug/l	-0.01
Spiked Amount			Recovery	=	75.20%	
62) 4-Bromofluorobenzene	13.56	95	295465	26.19	ug/l	0.00
Spiked Amount			Recovery	=	52.38%	

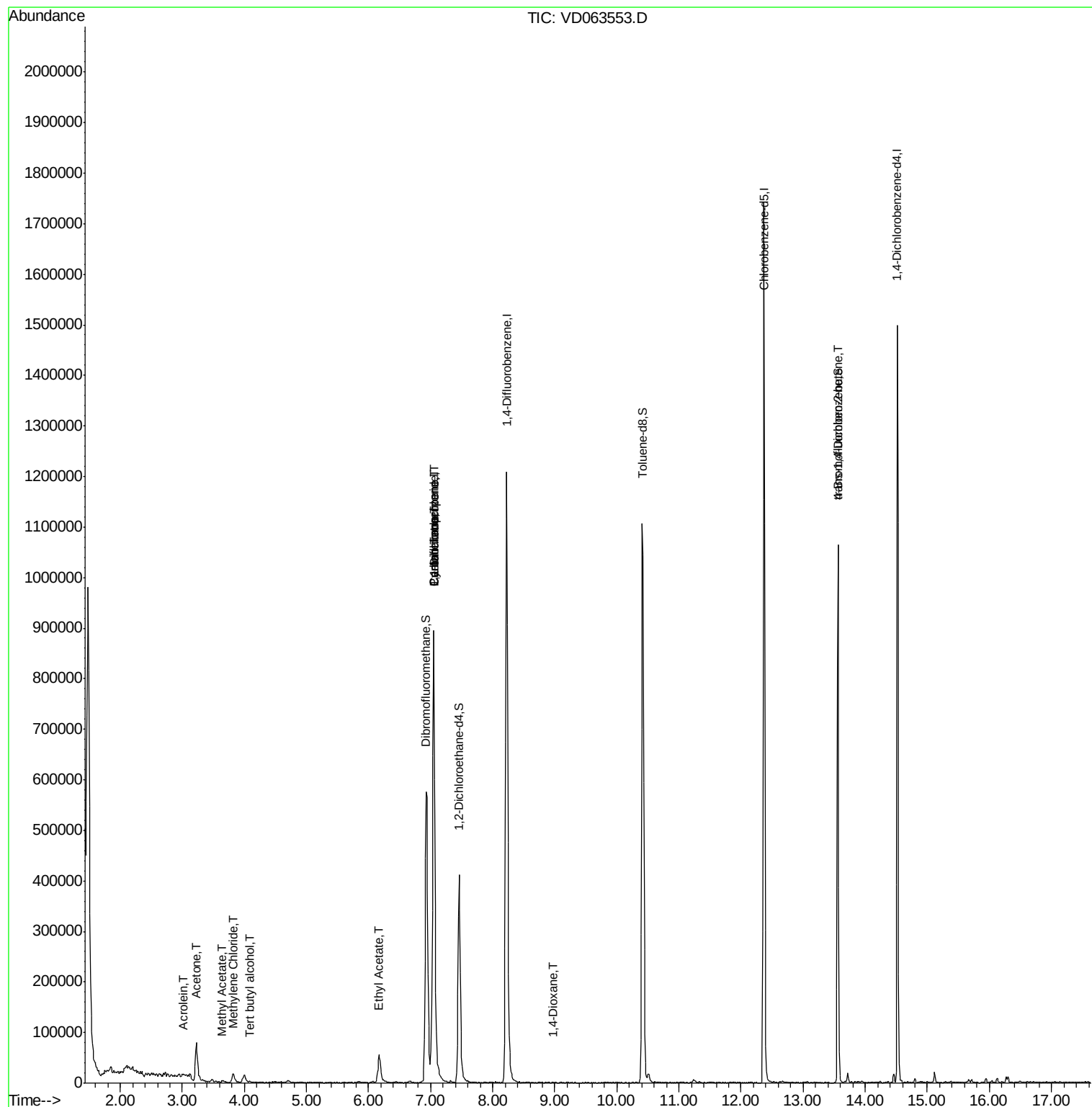
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	1890	4.676	ug/l #	71
13) Acrolein	3.02	56	523	1.315	ug/l	100
16) Acetone	3.23	43	144740	76.693	ug/l	99
18) Methyl Acetate	3.64	43	5241	1.466	ug/l #	57
20) Methylene Chloride	3.82	84	10557	1.294	ug/l	93
31) Cyclohexane	7.04	56	17740	2.116	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	67785	5.703	ug/l #	47
37) Ethyl Acetate	6.17	43	5177	1.039	ug/l #	1
38) Carbon Tetrachloride	7.05	117	90902	5.075	ug/l #	15
49) 1,4-Dioxane	8.96	88	192	29.375	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.56	75	138016	139.449	ug/l #	1

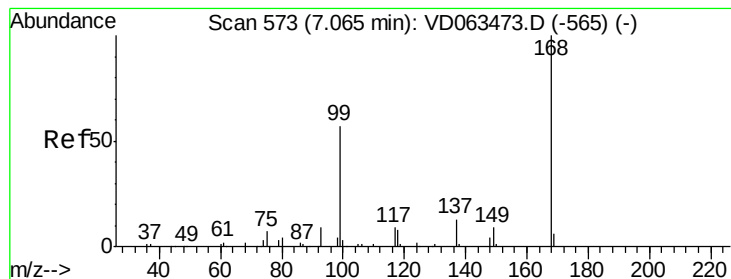
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD063553.D
Acq On : 14 Aug 2019 4:50
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Quant Time: Aug 14 08:34:16 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: VD063553.D

Acq: 14 Aug 2019 4:50

Instrument :

MSVOA_D

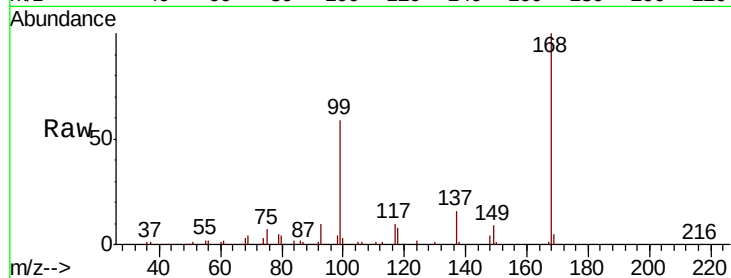
ClientSampleId :

Tot Ion:168 Resp: 868539

Ion Ratio Lower Upper

168 100

99 58.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

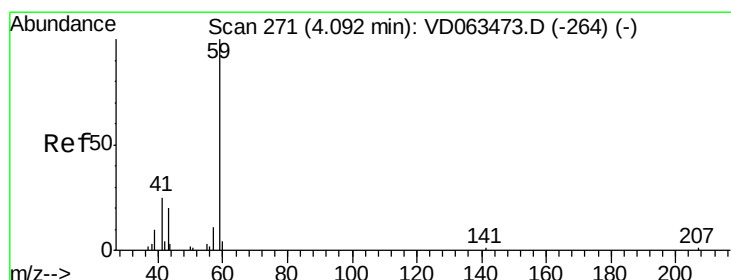
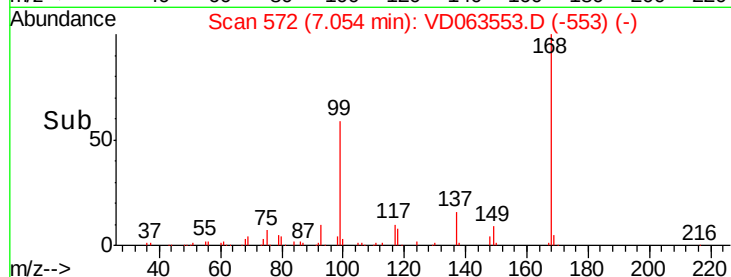
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.676 ug/l

RT: 4.08 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD063553.D

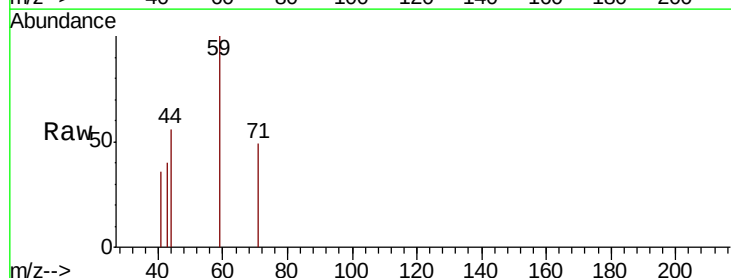
Acq: 14 Aug 2019 4:50

Tgt Ion: 59 Resp: 1890

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

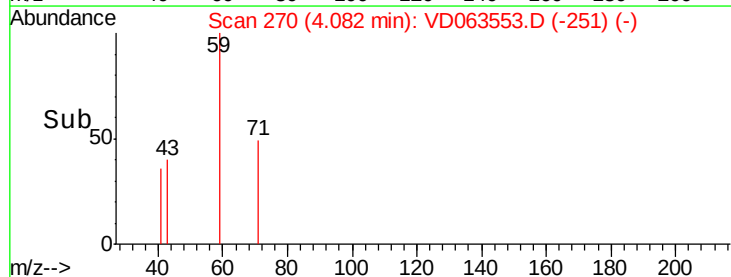
1500

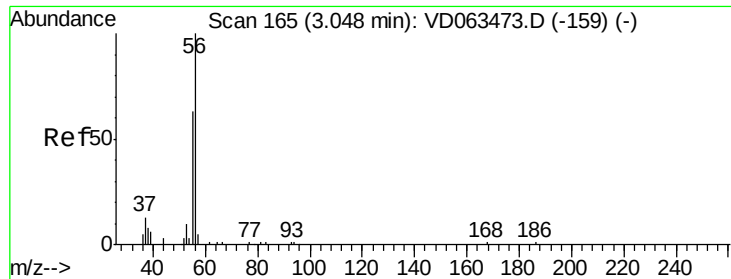
1000

500

0

Time-->





#13

Acrolein

Concen: 1.315 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063553.D

Acq: 14 Aug 2019 4:50

Instrument :

MSVOA_D

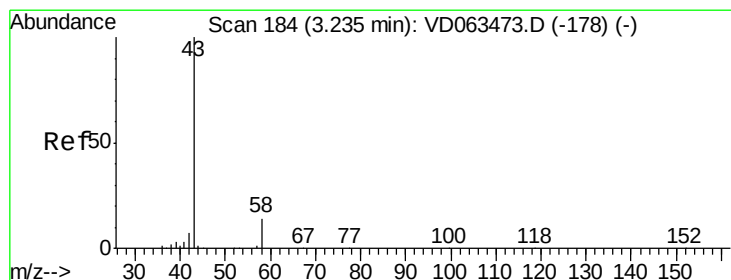
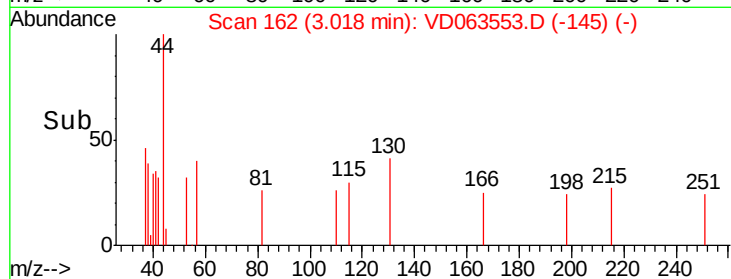
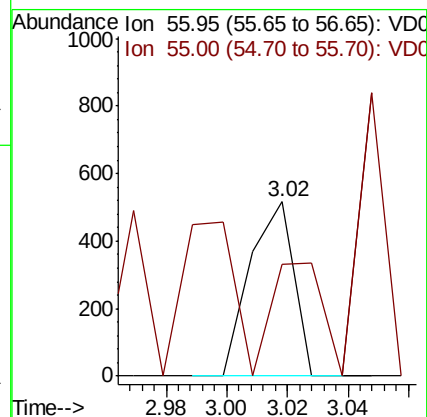
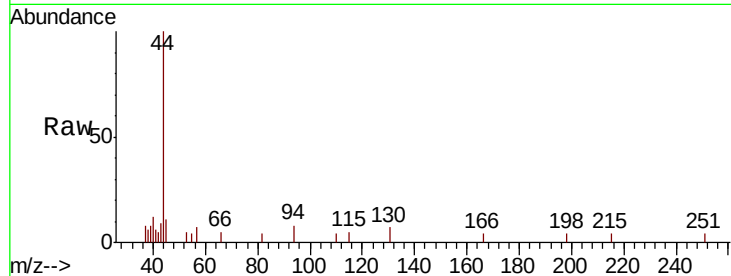
ClientSampleId :

Tot Ion: 56 Resp: 523

Ion Ratio Lower Upper

56 100

55 63.8 51.3 76.9



#16

Acetone

Concen: 76.693 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063553.D

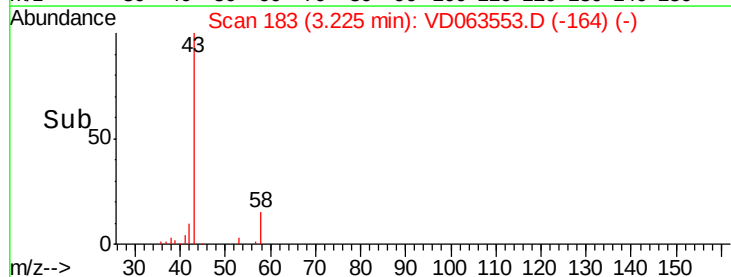
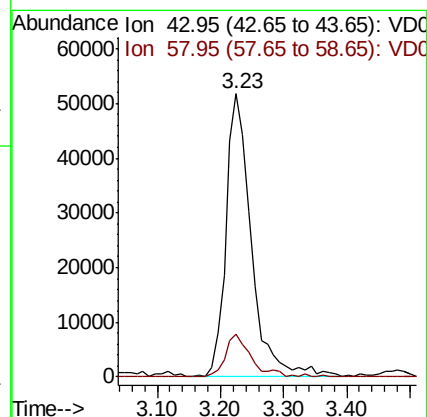
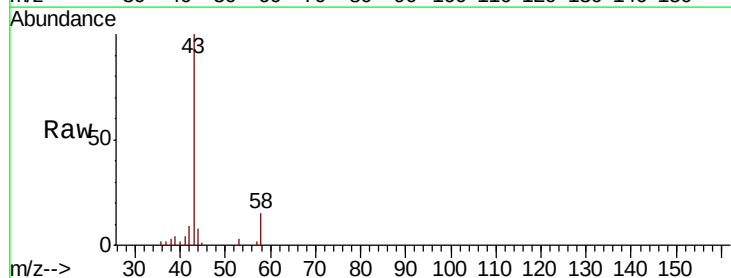
Acq: 14 Aug 2019 4:50

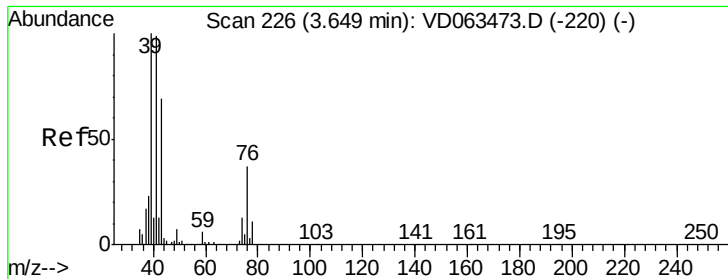
Tgt Ion: 43 Resp: 144740

Ion Ratio Lower Upper

43 100

58 14.9 11.4 17.2

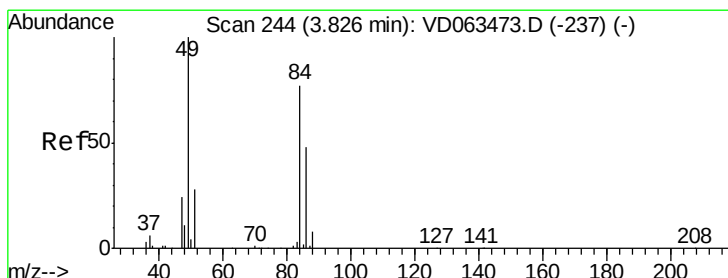
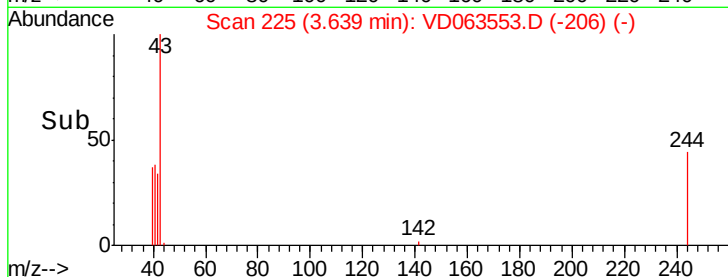
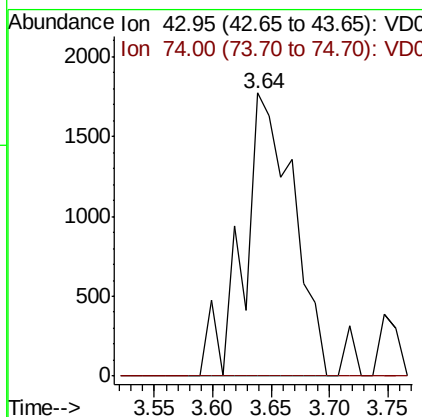
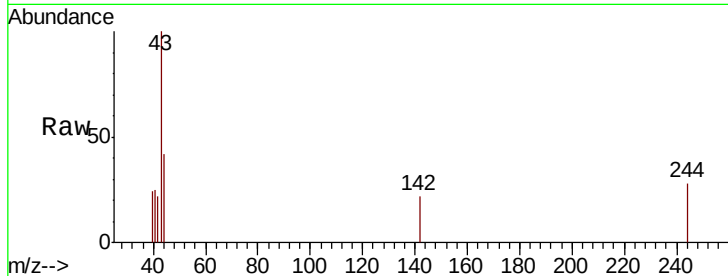




#18
Methyl Acetate
Concen: 1.466 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063553.D
Acq: 14 Aug 2019 4:50

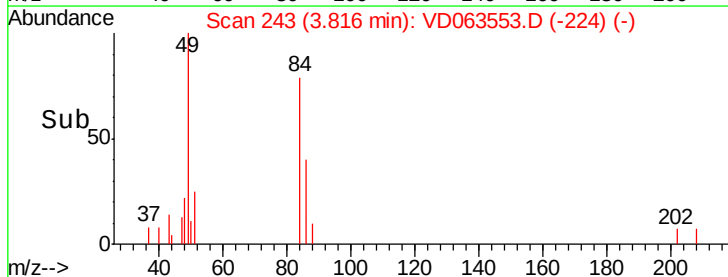
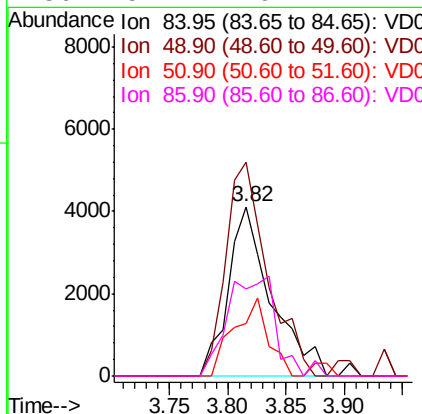
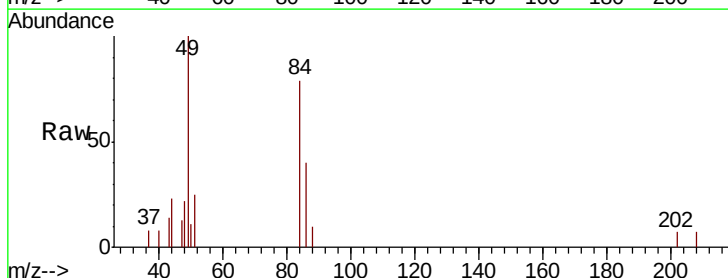
Instrument :
MSVOA_D
ClientSampleId :

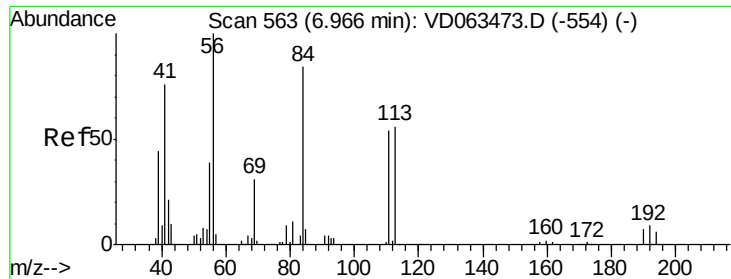
Tot Ion: 43 Resp: 5241
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#20
Methylene Chloride
Concen: 1.294 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063553.D
Acq: 14 Aug 2019 4:50

Tgt Ion: 84 Resp: 10557
Ion Ratio Lower Upper
84 100
49 126.2 103.4 155.2
51 31.0 28.5 42.7
86 51.1 49.4 74.2

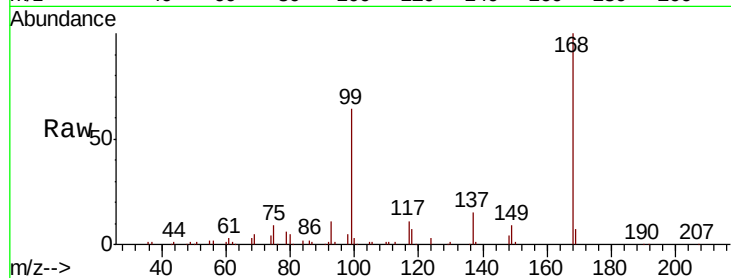




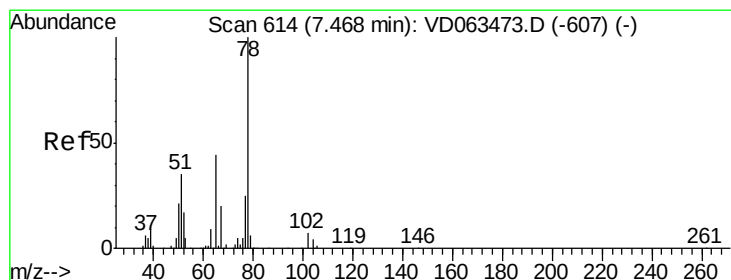
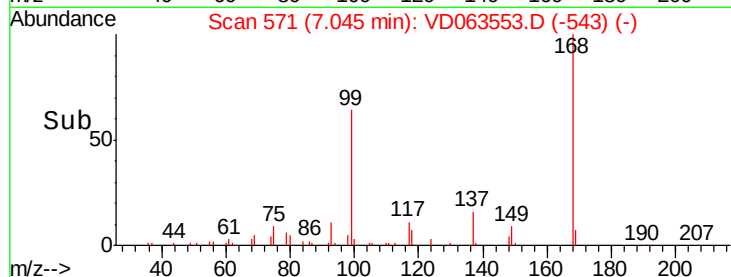
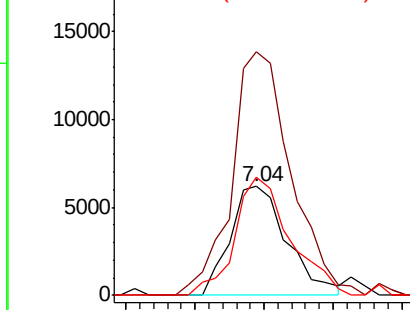
#31
Cyclohexane
Concen: 2.116 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD063553.D
Acq: 14 Aug 2019 4:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 17740
Ion Ratio Lower Upper
56 100
69 223.8 25.0 37.6#
84 108.2 69.7 104.5#

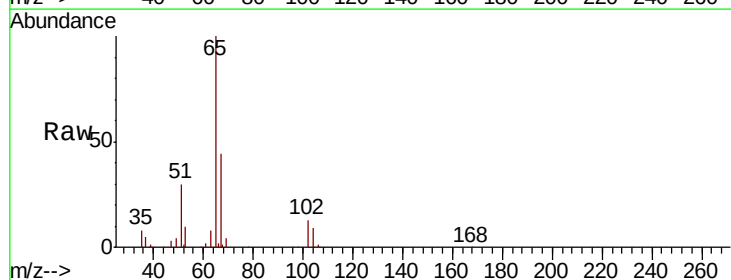


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

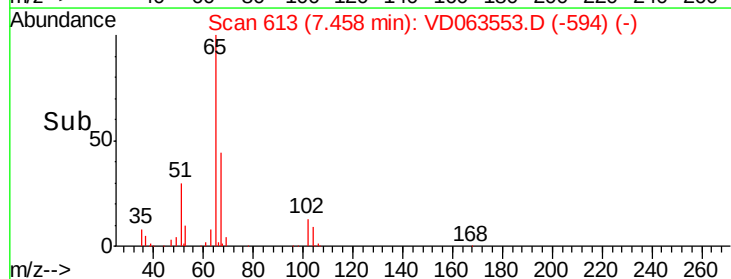
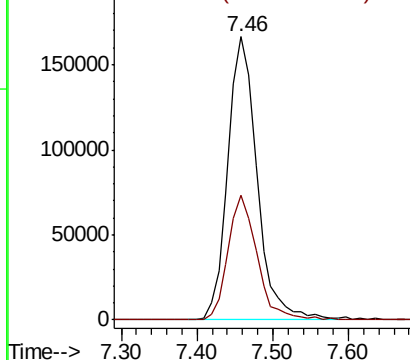


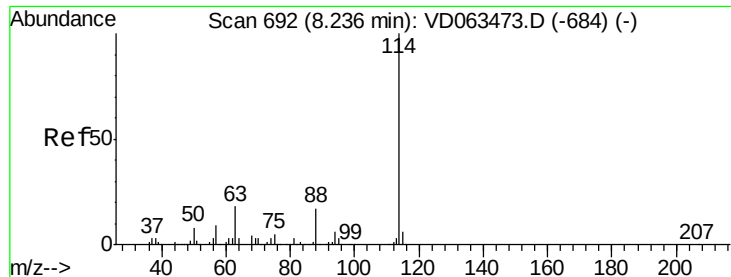
#33
1,2-Dichloroethane-d4
Concen: 47.937 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063553.D
Acq: 14 Aug 2019 4:50

Tgt Ion: 65 Resp: 445052
Ion Ratio Lower Upper
65 100
67 44.1 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: VD063553.D

Acq: 14 Aug 2019 4:50

Instrument :

MSVOA_D

ClientSampleId :

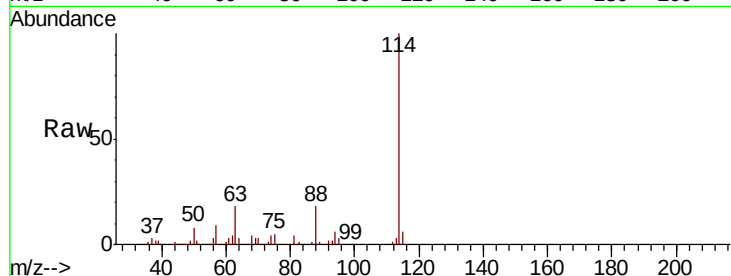
Tot Ion:114 Resp: 1344487

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.2

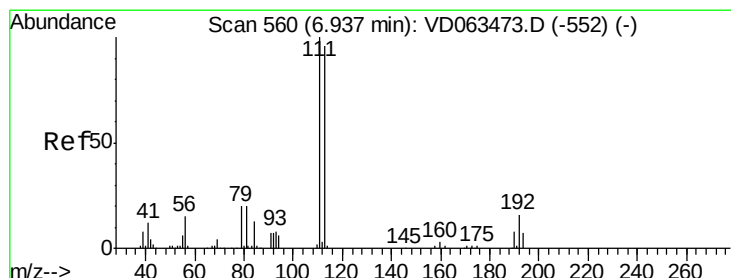
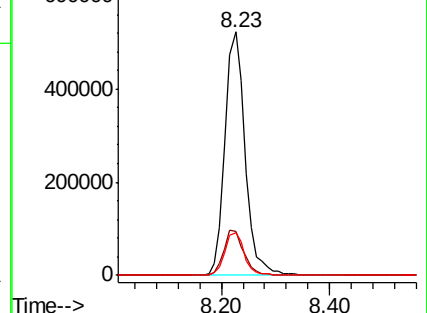
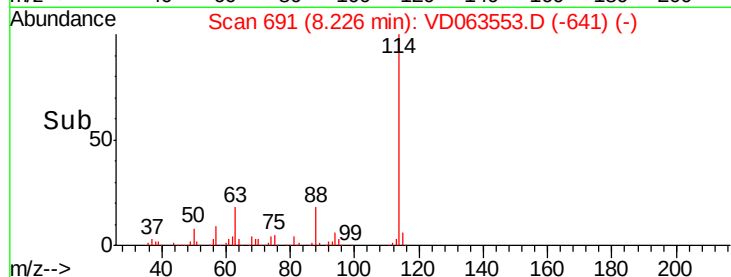
88 17.6 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 45.610 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063553.D

Acq: 14 Aug 2019 4:50

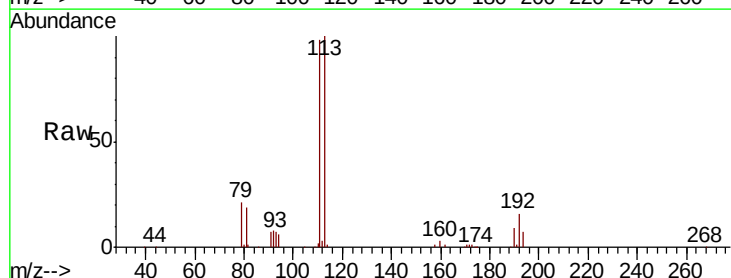
Tgt Ion:113 Resp: 516460

Ion Ratio Lower Upper

113 100

111 97.6 83.1 124.7

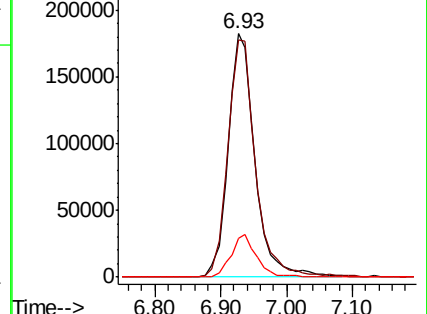
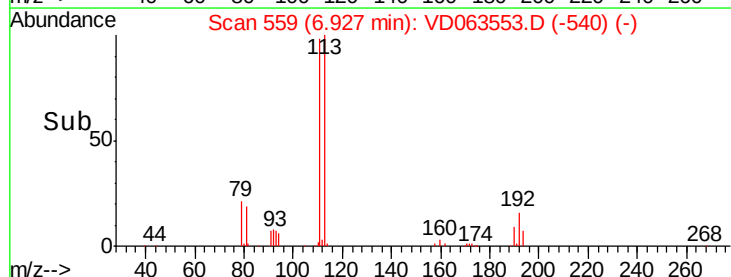
192 16.0 13.1 19.7

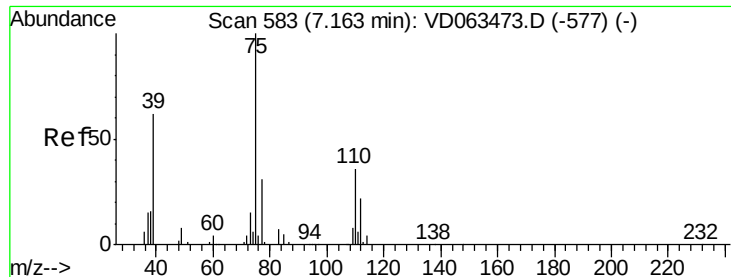


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

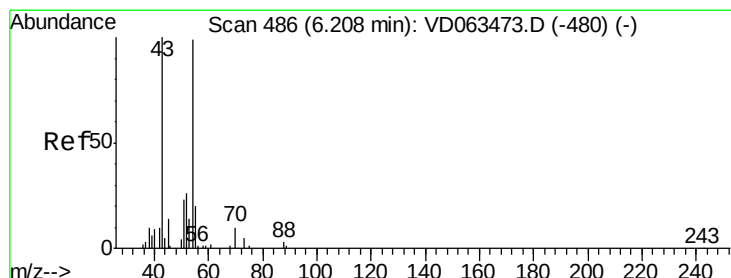
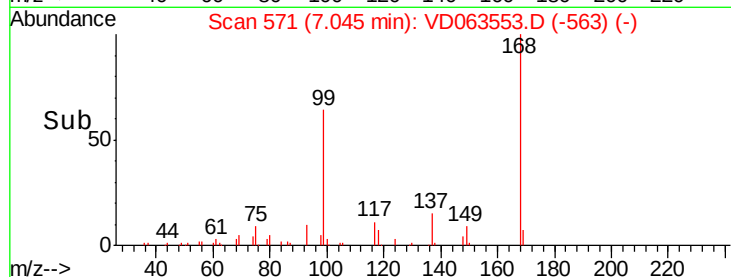
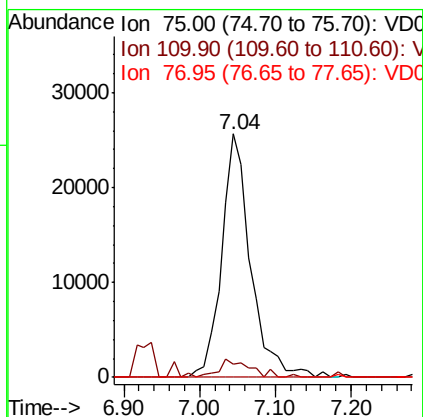
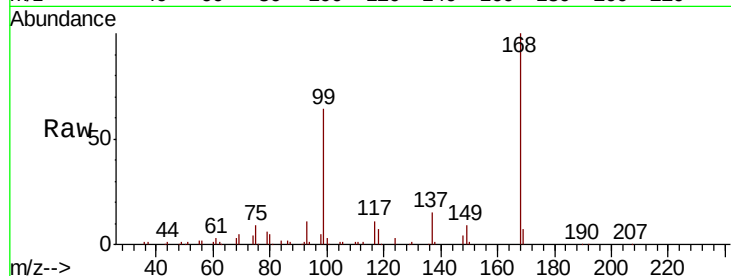




#36
 1,1-Dichloropropene
 Concen: 5.703 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063553.D
 Acq: 14 Aug 2019 4:50

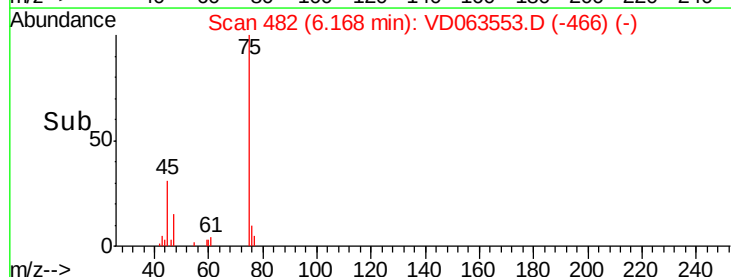
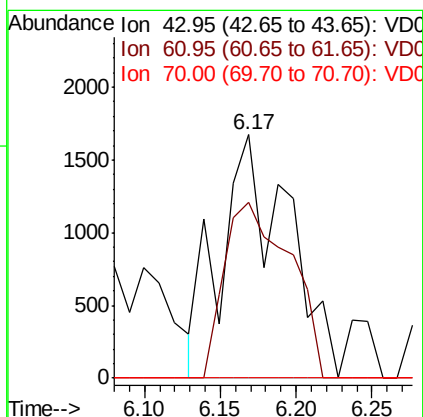
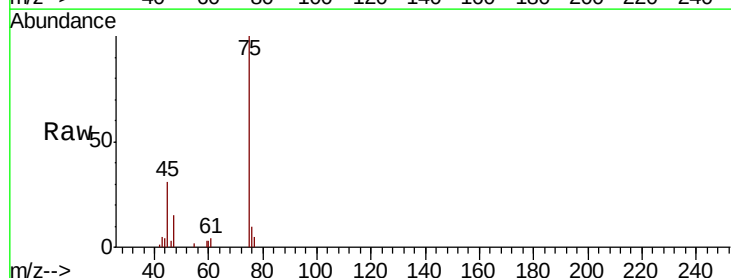
Instrument :
 MSVOA_D
 ClientSampleId :

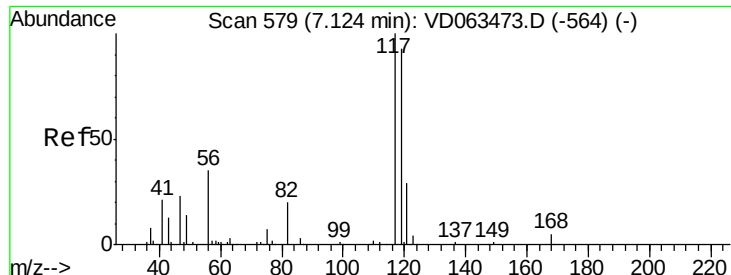
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.5	17.6	52.8#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 1.039 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.04 min
 Lab File: VD063553.D
 Acq: 14 Aug 2019 4:50

Tgt Ion	Ratio	Lower	Upper
43	100		
61	72.0	9.0	13.6#
70	0.0	6.9	10.3#





#38

Carbon Tetrachloride

Concen: 5.075 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD063553.D

Acq: 14 Aug 2019 4:50

Instrument :

MSVOA_D

ClientSampleId :

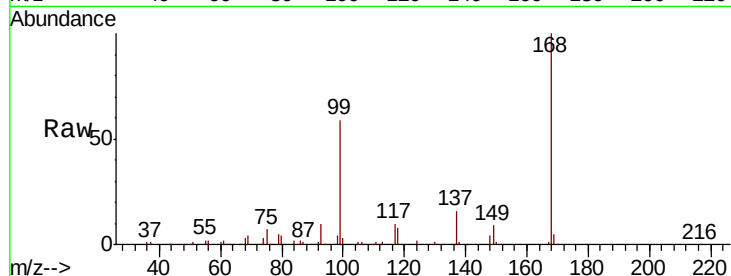
Tot Ion:117 Resp: 90902

Ion Ratio Lower Upper

117 100

119 2.5 74.2 111.2#

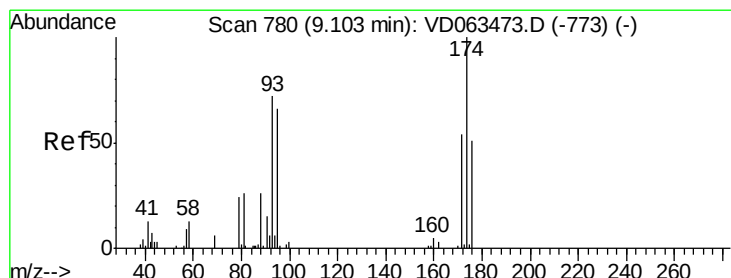
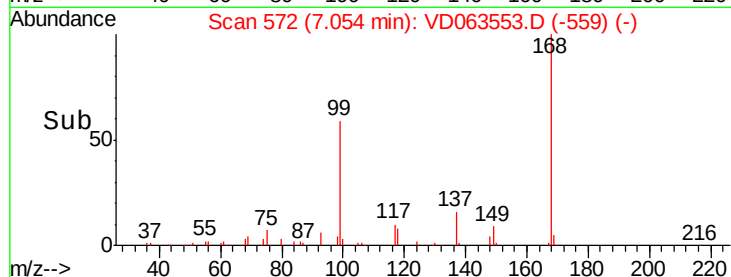
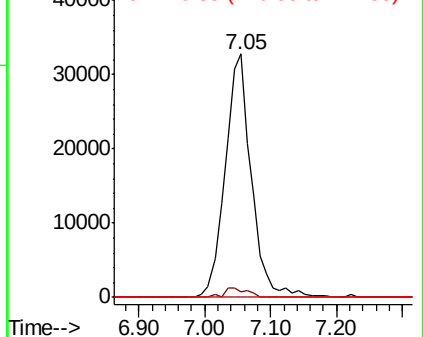
121 0.0 23.1 34.7#



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



#49

1,4-Dioxane

Concen: 29.375 ug/l

RT: 8.96 min Scan# 766

Delta R.T. -0.14 min

Lab File: VD063553.D

Acq: 14 Aug 2019 4:50

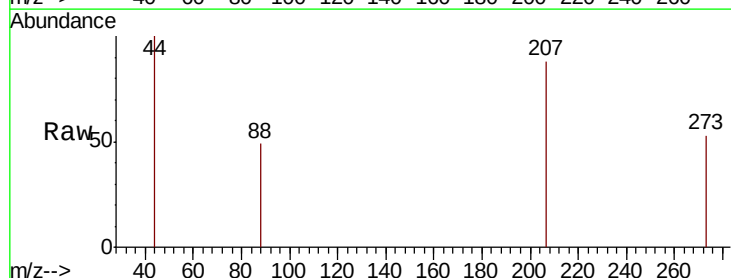
Tgt Ion: 88 Resp: 192

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

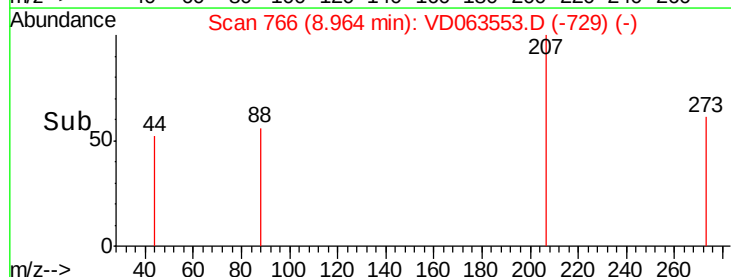
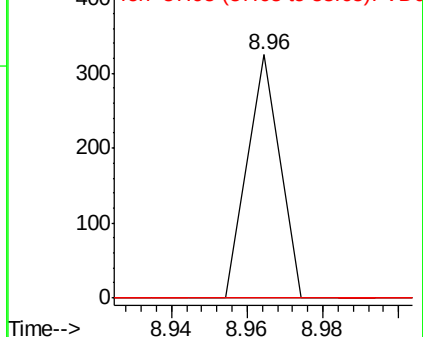
58 0.0 40.1 60.1#

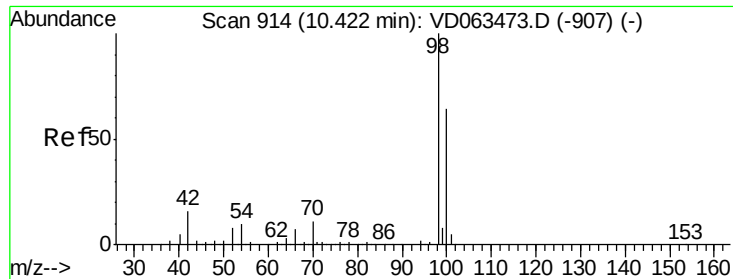


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

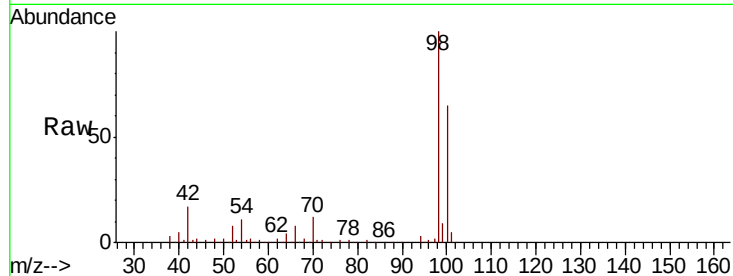




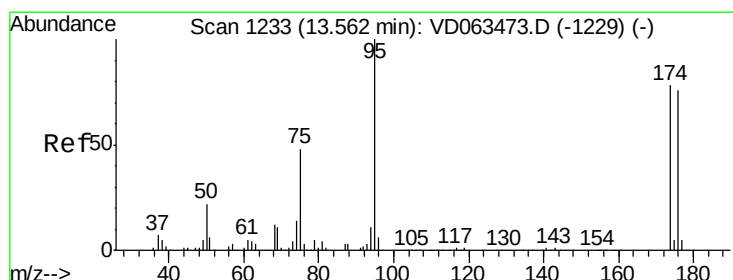
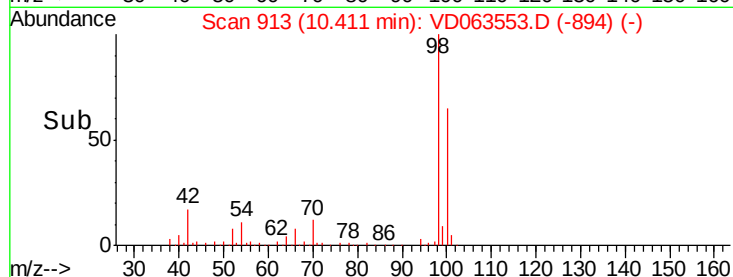
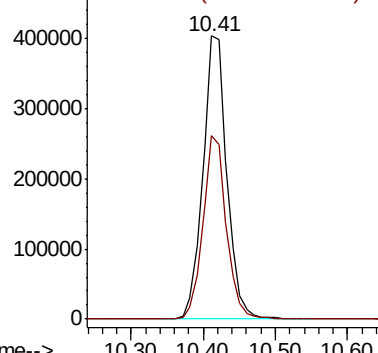
#50
Toluene-d8
Concen: 37.598 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063553.D
Acq: 14 Aug 2019 4:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 935993
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5

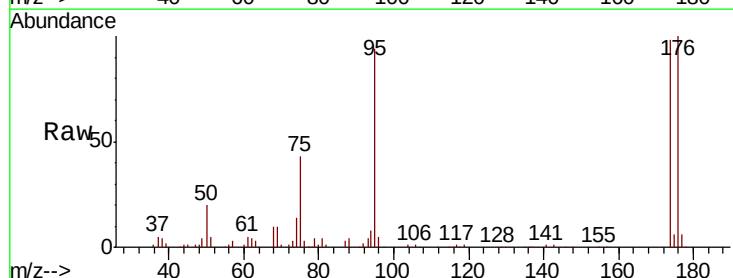


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

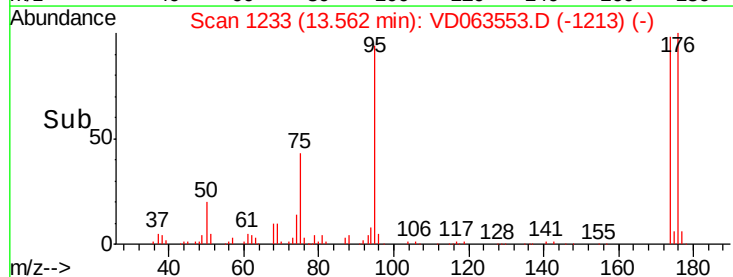
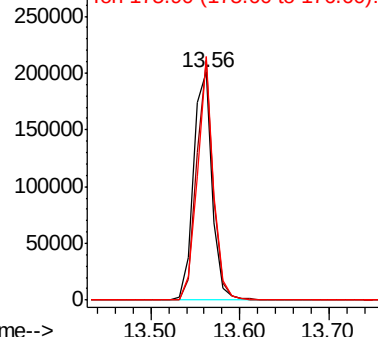


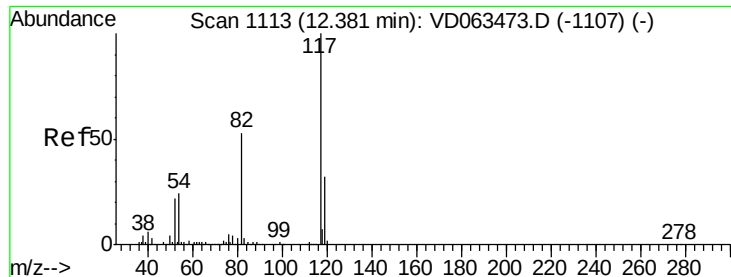
#62
4-Bromofluorobenzene
Concen: 26.186 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD063553.D
Acq: 14 Aug 2019 4:50

Tgt Ion: 95 Resp: 295465
Ion Ratio Lower Upper
95 100
174 105.1 0.0 155.4
176 106.8 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

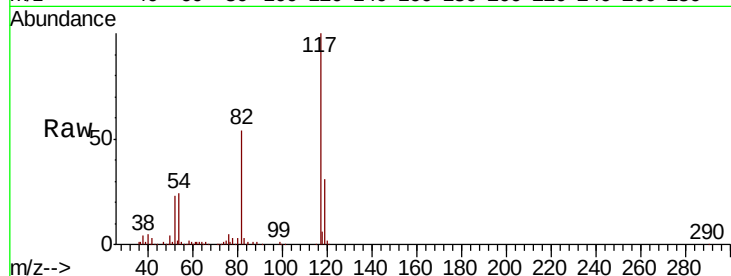




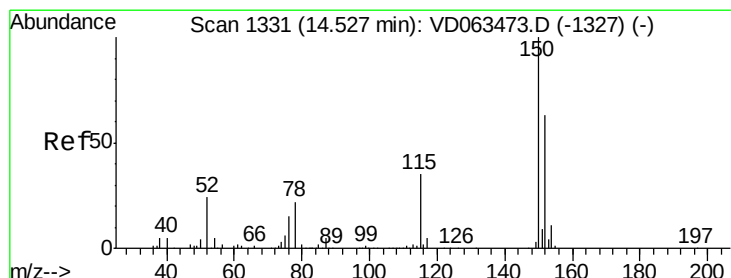
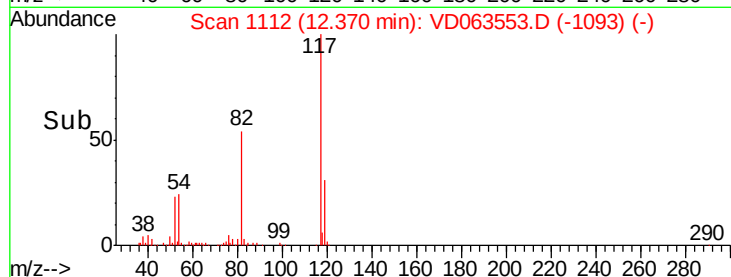
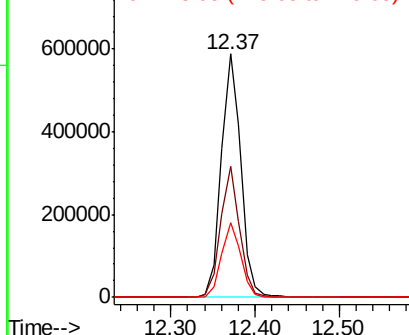
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063553.D
Acq: 14 Aug 2019 4:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.0	63.0
119	30.7	25.4	38.0

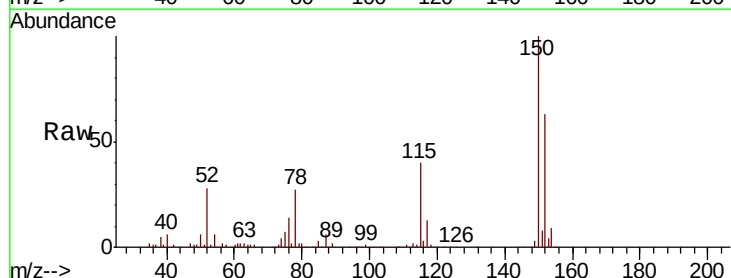


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

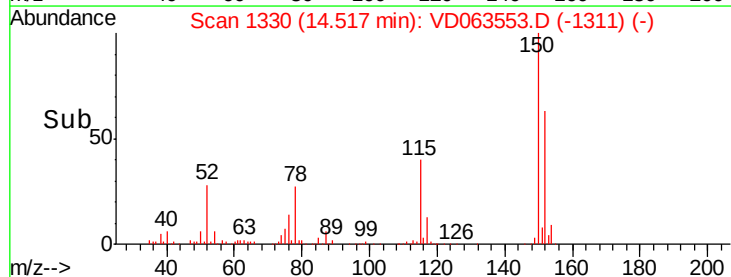
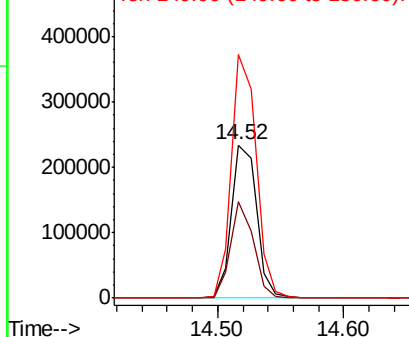


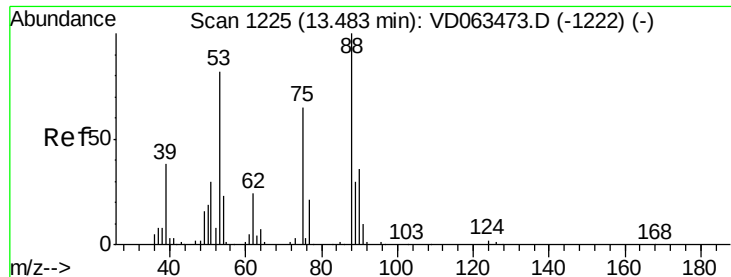
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063553.D
Acq: 14 Aug 2019 4:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	30.9	92.7
150	159.1	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: 139.449 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD063553.D

Acq: 14 Aug 2019 4:50

Instrument :

MSVOA_D

ClientSampleId :

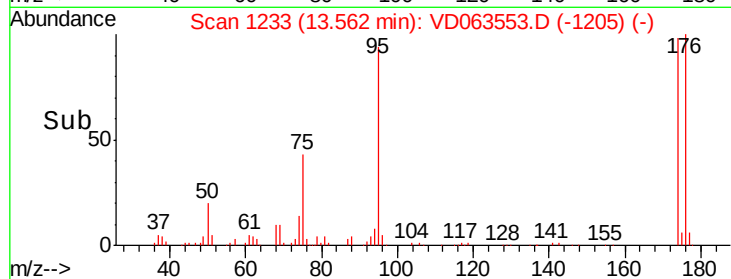
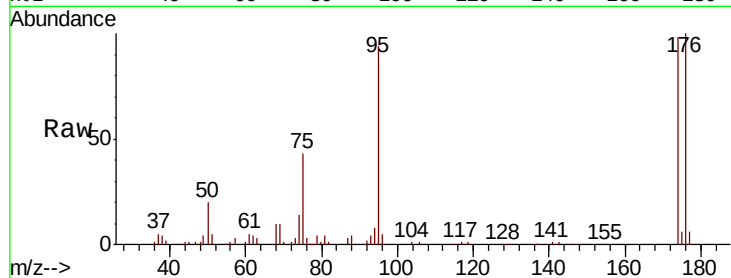
Tot Ion: 75 Resp: 138016

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

