

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06341.D
 Acq On : 3 Aug 2019 4:11
 Operator : VA/AP
 Sample : K4129-01
 Misc : 5.53g/5ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:44:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1043357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1354141	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1033631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	501837	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	453090	39.14	ug/l	0.00
Spiked Amount			Recovery	=	78.28%	
35) Dibromofluoromethane	6.91	113	516675	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	
50) Toluene-d8	10.40	98	1079813	41.73	ug/l	0.00
Spiked Amount			Recovery	=	83.46%	
62) 4-Bromofluorobenzene	13.55	95	425675	36.10	ug/l	0.00
Spiked Amount			Recovery	=	72.20%	

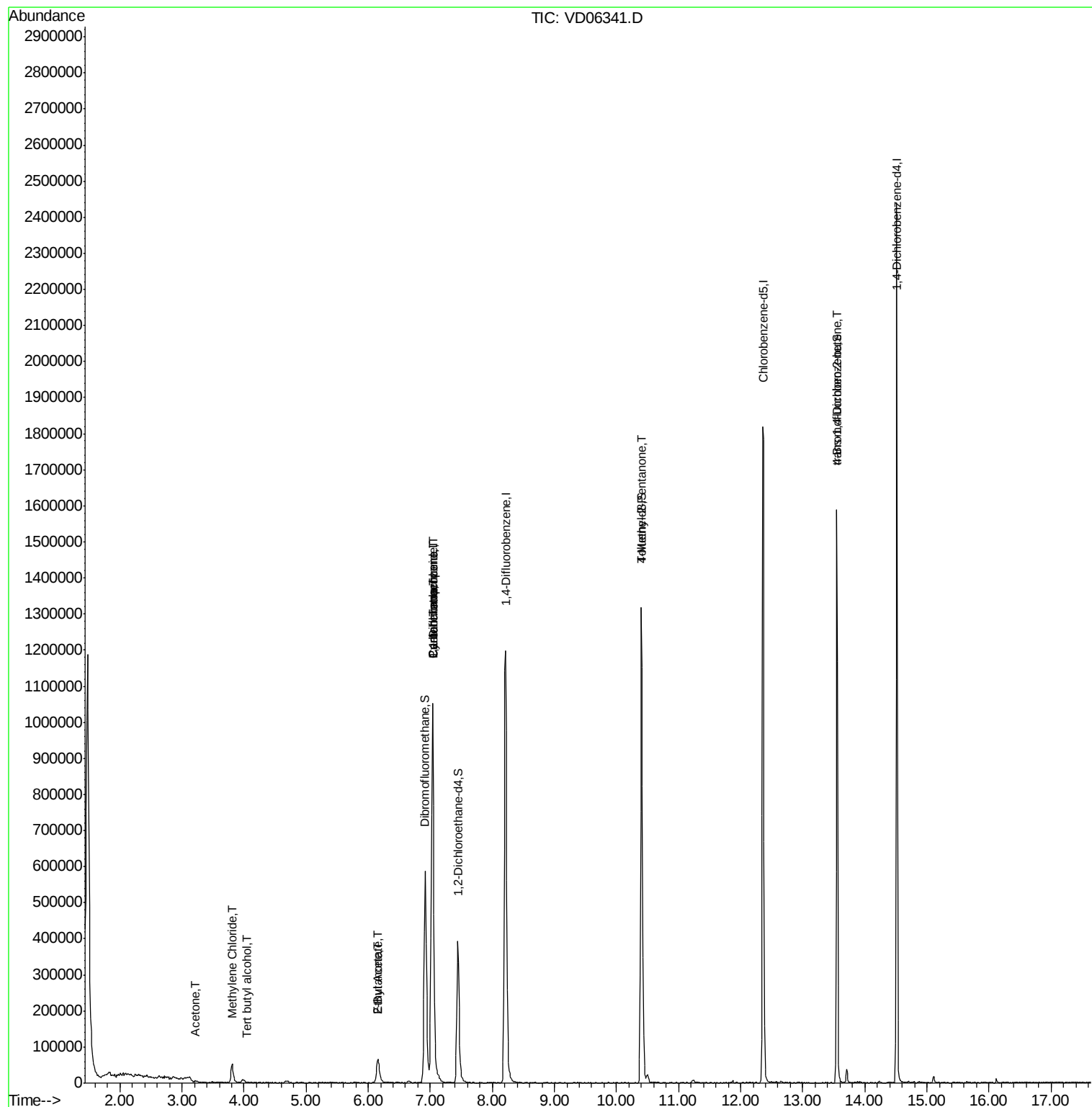
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1357	2.671	ug/l #	69
16) Acetone	3.21	43	6200	2.749	ug/l #	62
20) Methylene Chloride	3.81	84	29027	3.184	ug/l	92
25) 2-Butanone	6.14	43	5967	2.636	ug/l #	56
31) Cyclohexane	7.03	56	23429	2.272	ug/l #	12
36) 1,1-Dichloropropene	7.04	75	81607	6.603	ug/l #	53
37) Ethyl Acetate	6.14	43	5967	1.075	ug/l #	41
38) Carbon Tetrachloride	7.04	117	102625	5.516	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	5682	1.178	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	205452	122.748	ug/l #	3

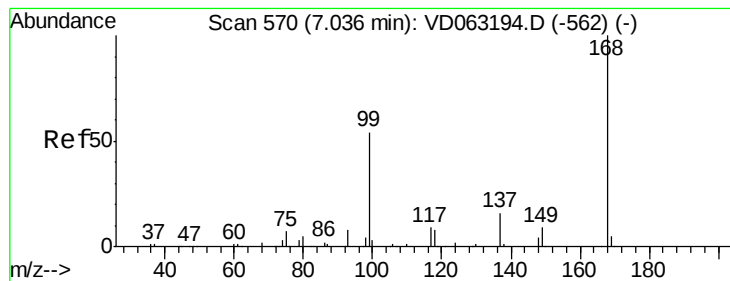
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
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Quant Time: Aug 04 03:44:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD06341.D

Acq: 3 Aug 2019 4:11

Instrument :

MSVOA_D

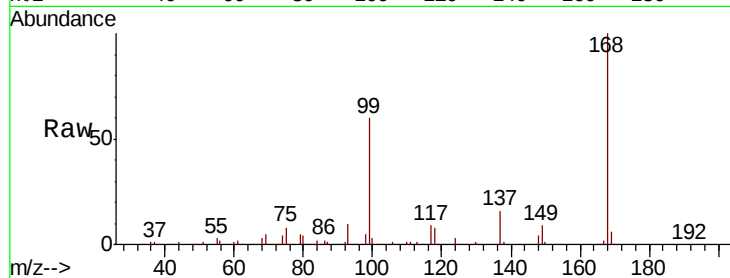
ClientSampleId :

Tgt Ion:168 Resp: 1043357

Ion Ratio Lower Upper

168 100

99 59.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

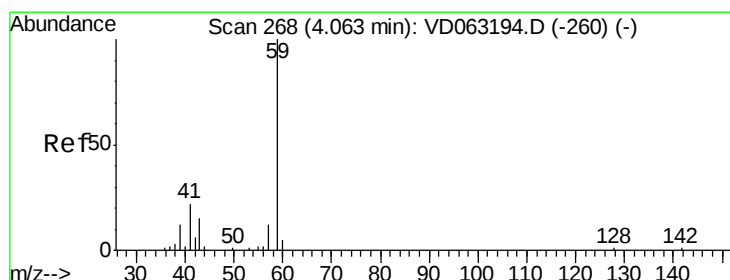
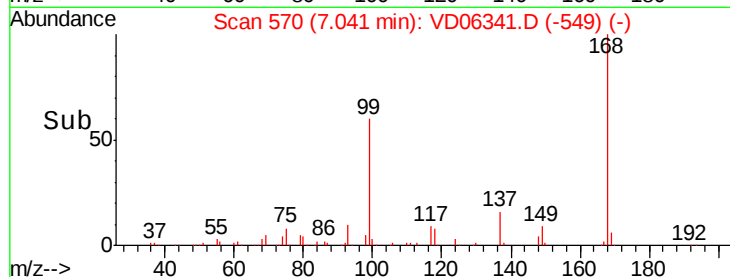
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 2.671 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD06341.D

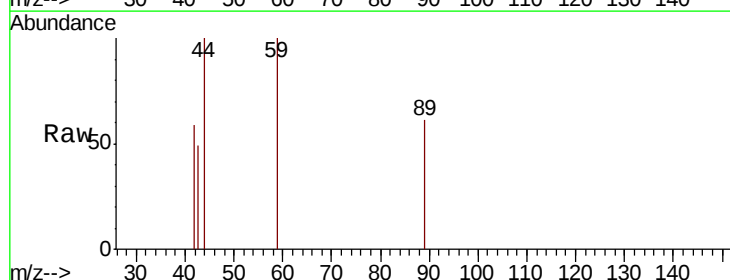
Acq: 3 Aug 2019 4:11

Tgt Ion: 59 Resp: 1357

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

2000

1500

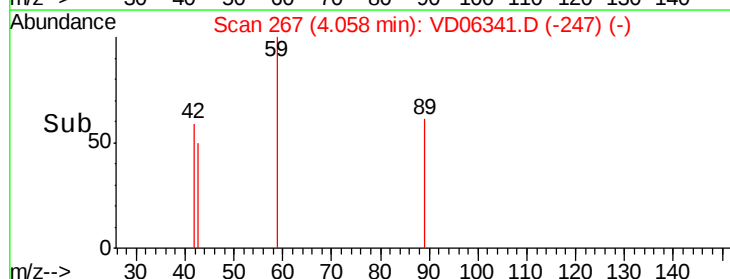
1000

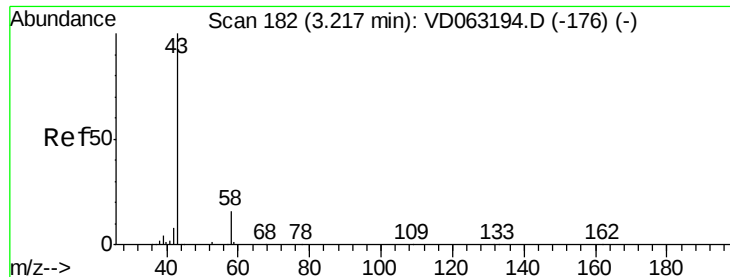
500

0

4.05 4.10

Time-->

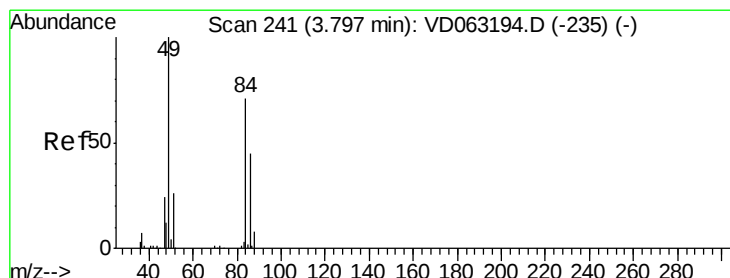
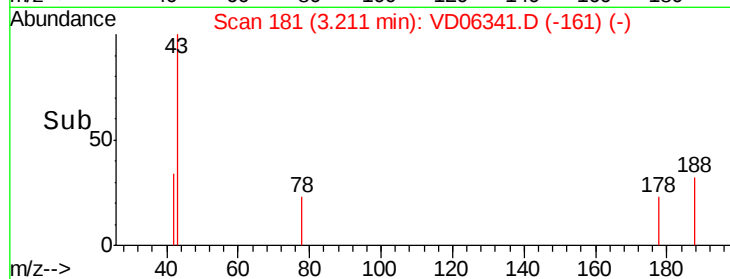
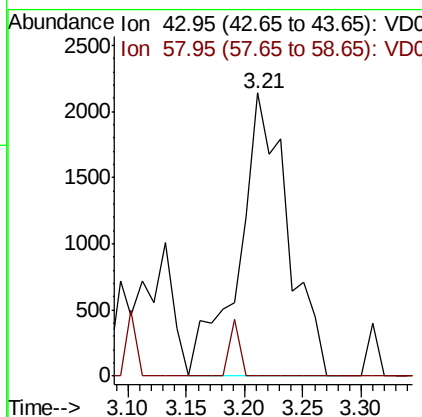
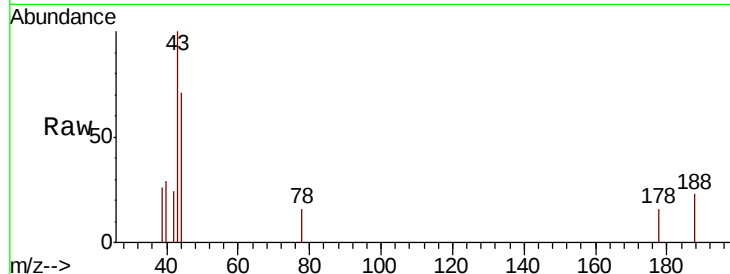




#16
Acetone
Concen: 2.749 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD06341.D
Acq: 3 Aug 2019 4:11

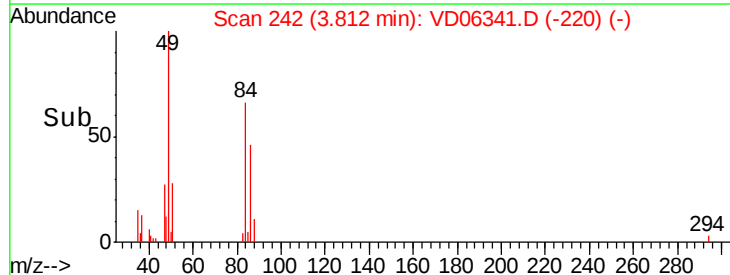
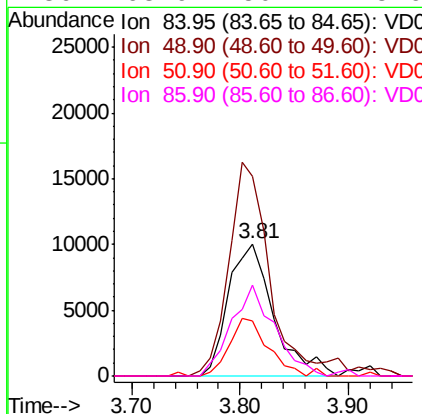
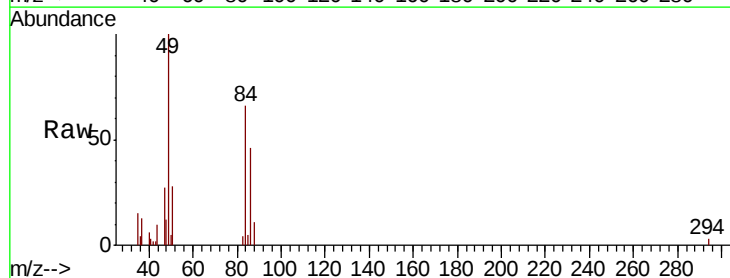
Instrument :
MSVOA_D
ClientSampleId :

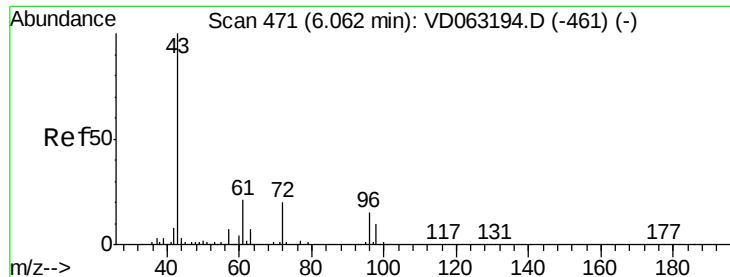
Tgt Ion: 43 Resp: 6200
Ion Ratio Lower Upper
43 100
58 0.0 13.0 19.4#



#20
Methylene Chloride
Concen: 3.184 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD06341.D
Acq: 3 Aug 2019 4:11

Tgt Ion: 84 Resp: 29027
Ion Ratio Lower Upper
84 100
49 151.1 112.5 168.7
51 41.9 29.6 44.4
86 68.9 50.4 75.6





#25

2-Butanone

Concen: 2.636 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.08 min

Lab File: VD06341.D

Acq: 3 Aug 2019 4:11

Instrument :

MSVOA_D

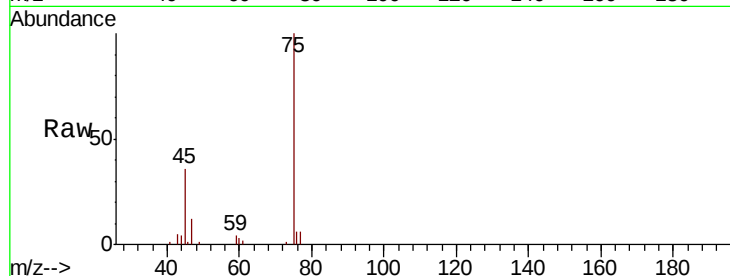
ClientSampleId :

Tgt Ion: 43 Resp: 5967

Ion Ratio Lower Upper

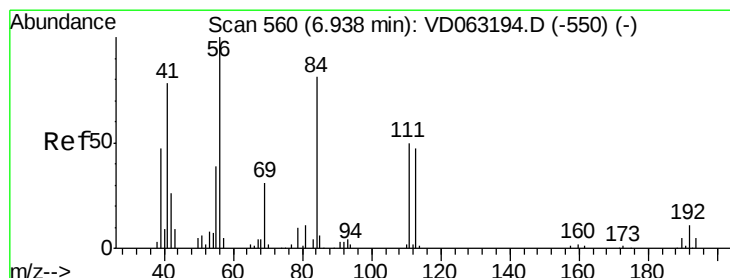
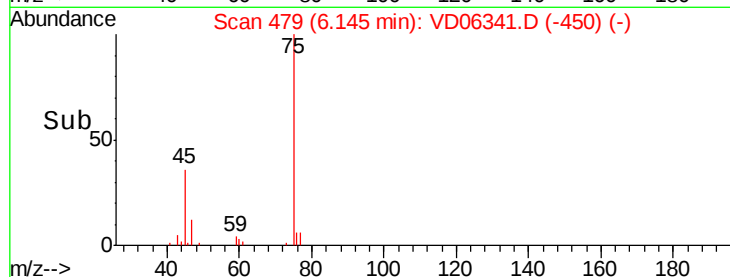
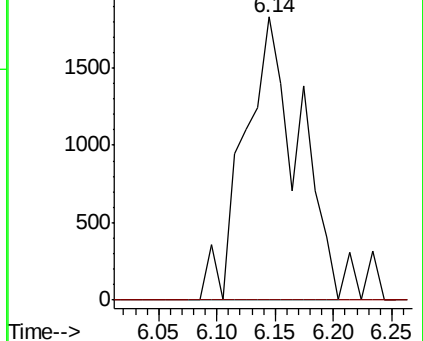
43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.272 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD06341.D

Acq: 3 Aug 2019 4:11

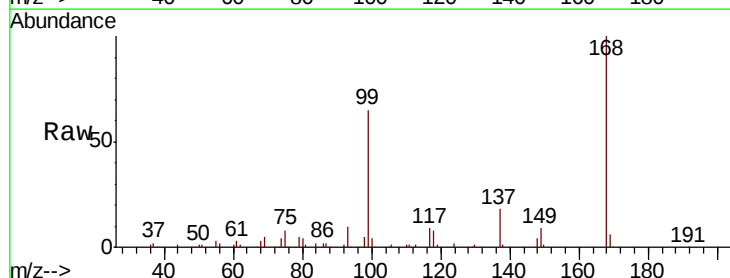
Tgt Ion: 56 Resp: 23429

Ion Ratio Lower Upper

56 100

69 200.5 24.5 36.7#

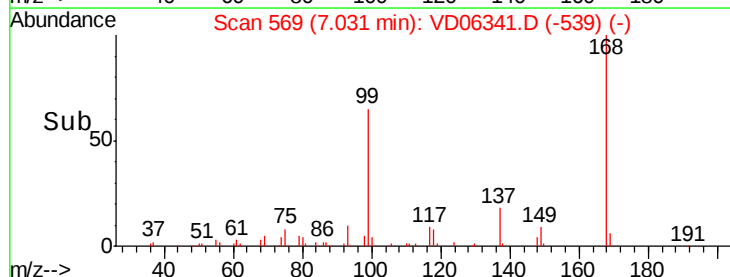
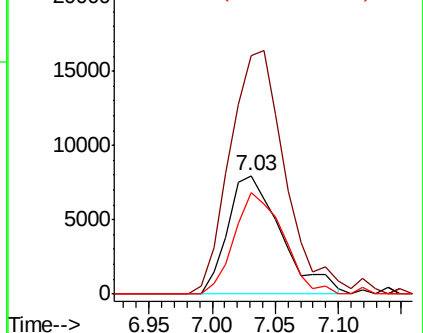
84 85.2 64.9 97.3

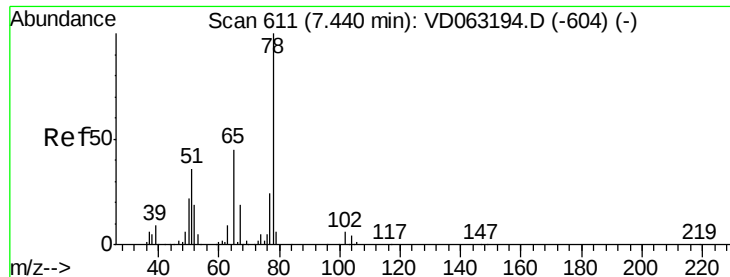


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

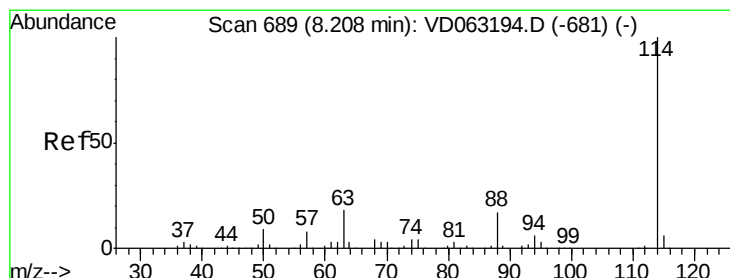
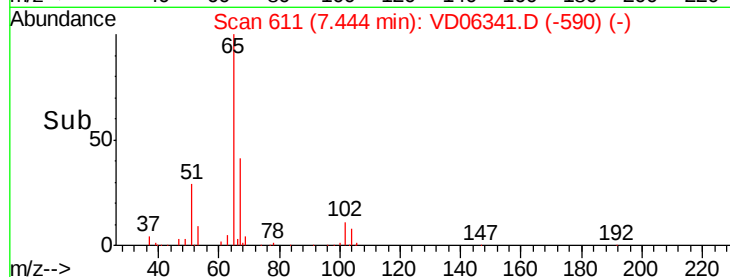
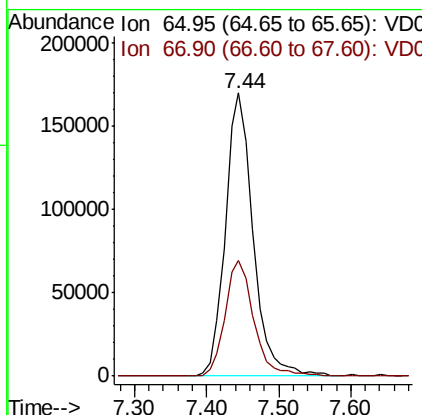
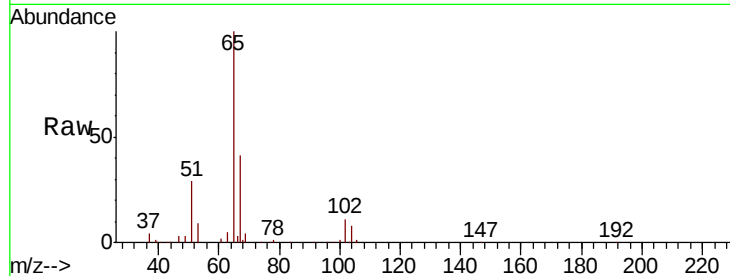




#33
 1,2-Dichloroethane-d4
 Concen: 39.137 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD06341.D
 Acq: 3 Aug 2019 4:11

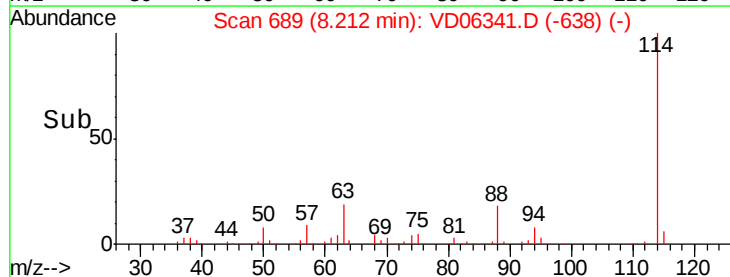
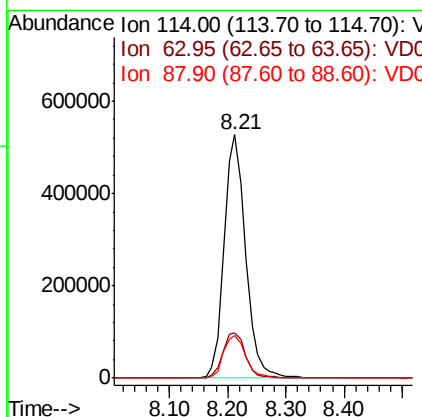
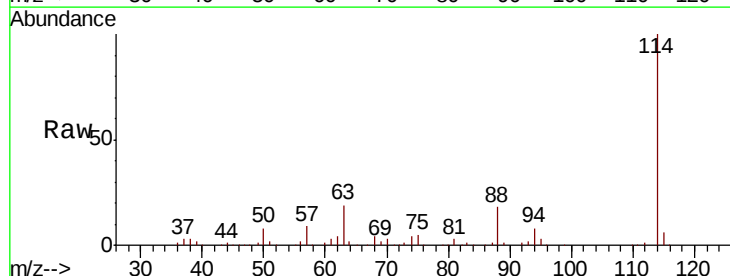
Instrument :
 MSVOA_D
 ClientSampleId :

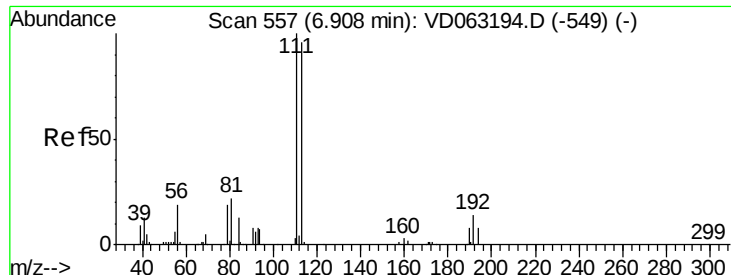
Tgt Ion: 65 Resp: 453090
 Ion Ratio Lower Upper
 65 100
 67 41.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD06341.D
 Acq: 3 Aug 2019 4:11

Tgt Ion: 114 Resp: 1354141
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.2
 88 17.7 0.0 34.6

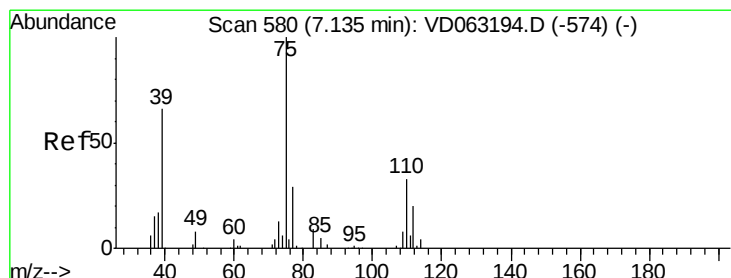
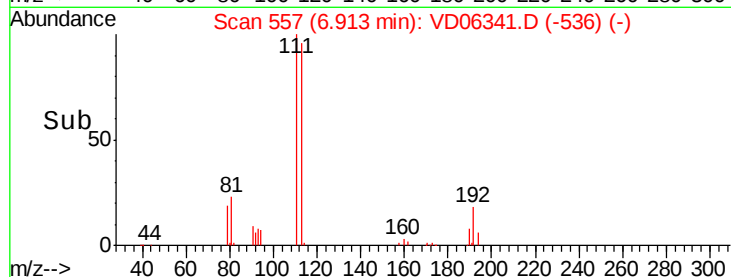
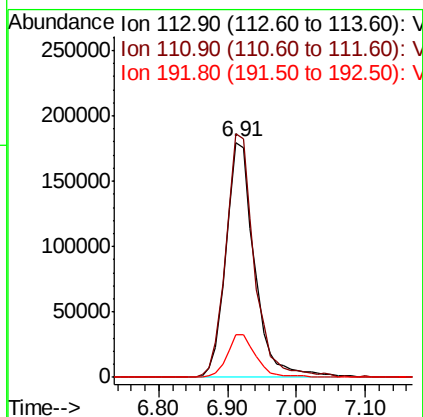
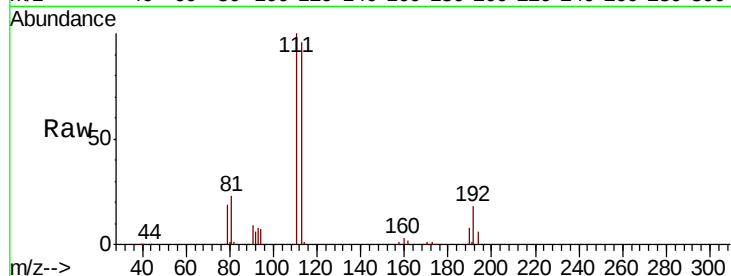




#35
 Dibromofluoromethane
 Concen: 44.689 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD06341.D
 Acq: 3 Aug 2019 4:11

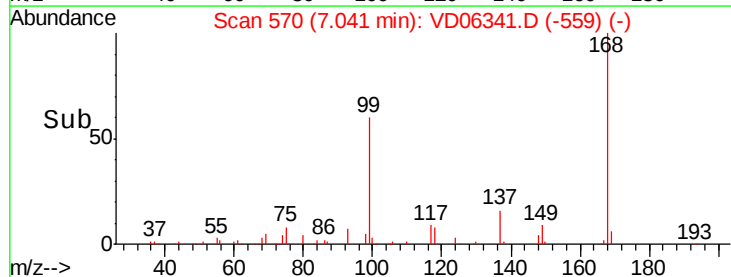
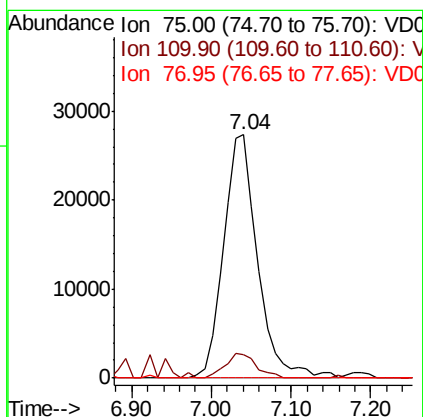
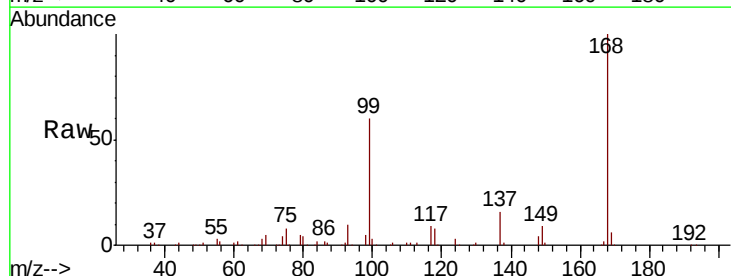
Instrument :
 MSVOA_D
 ClientSampleId :

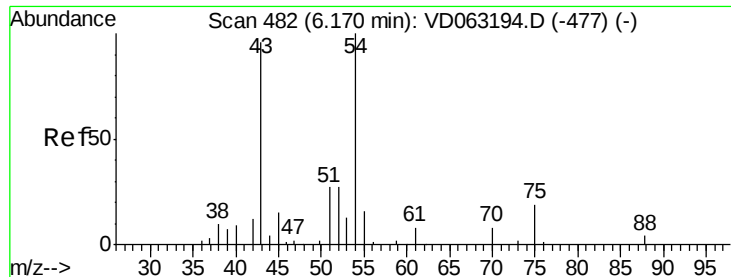
Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.7	516675	83.2	124.8
192	18.3		11.8	17.8#



#36
 1,1-Dichloropropene
 Concen: 6.603 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD06341.D
 Acq: 3 Aug 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81607		
110	9.6		16.1	48.2#
77	0.0		22.7	34.1#

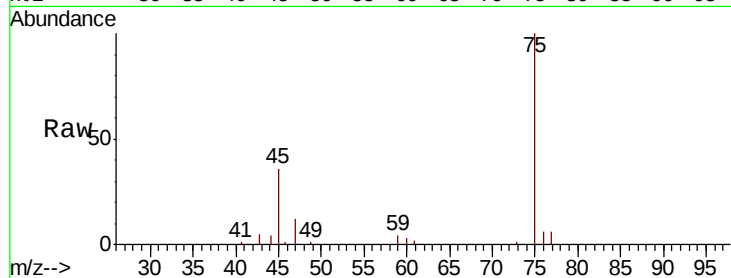




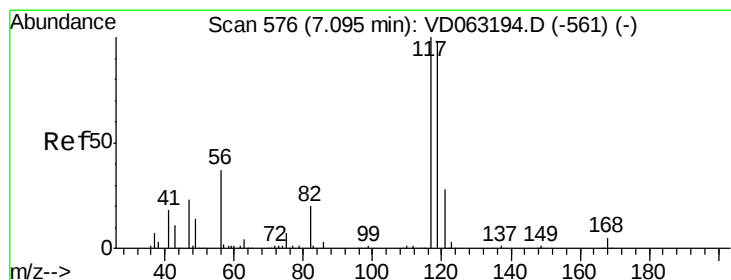
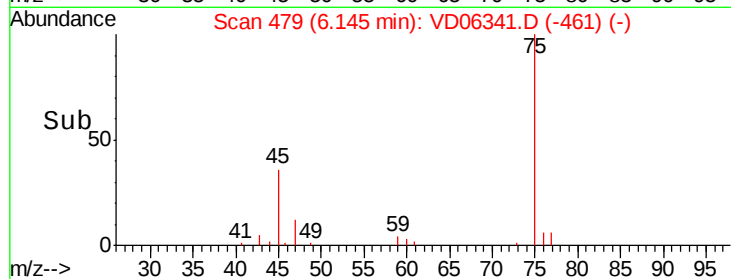
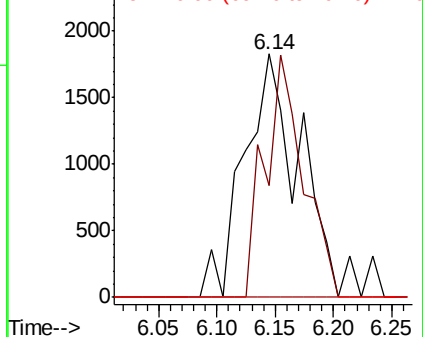
#37
 Ethyl Acetate
 Concen: 1.075 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: VD06341.D
 Acq: 3 Aug 2019 4:11

Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion: 43 Resp: 5967
 Ion Ratio Lower Upper
 43 100
 61 45.9 11.3 16.9#
 70 0.0 5.1 7.7#

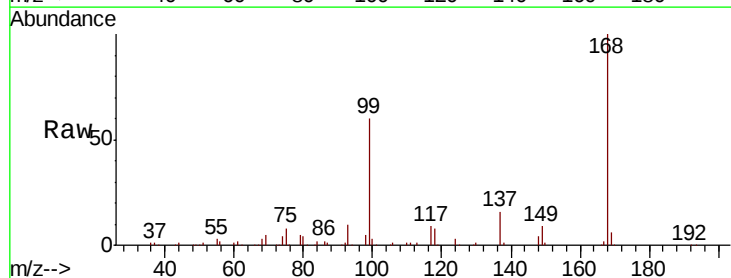


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

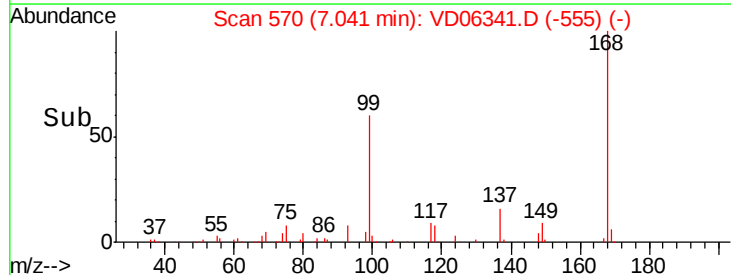
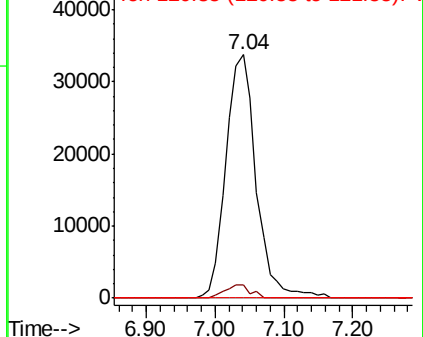


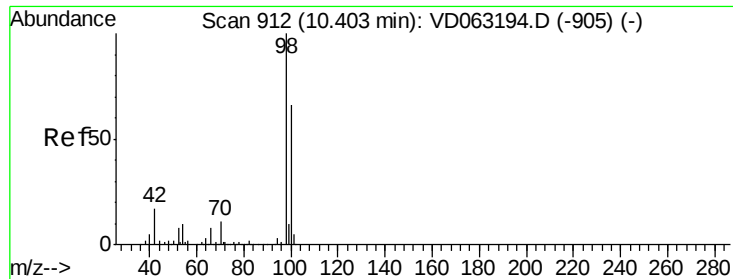
#38
 Carbon Tetrachloride
 Concen: 5.516 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.05 min
 Lab File: VD06341.D
 Acq: 3 Aug 2019 4:11

Tgt Ion: 117 Resp: 102625
 Ion Ratio Lower Upper
 117 100
 119 5.2 78.2 117.2#
 121 0.0 22.1 33.1#



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

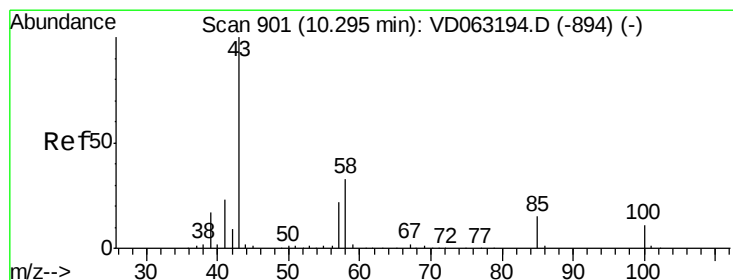
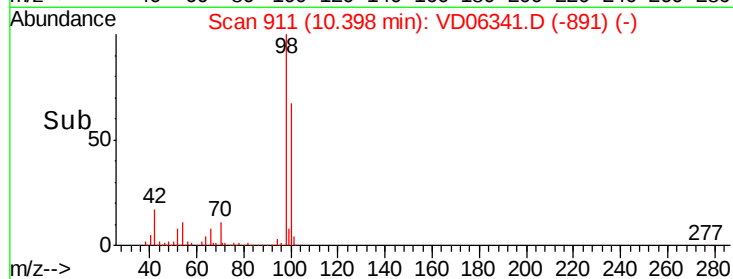
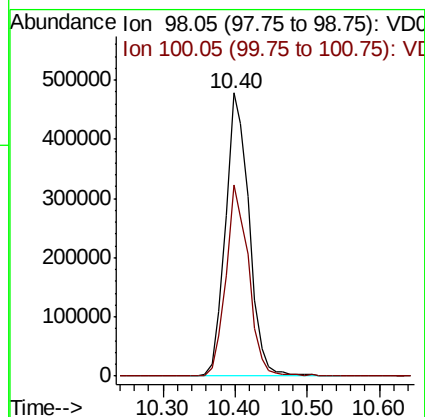
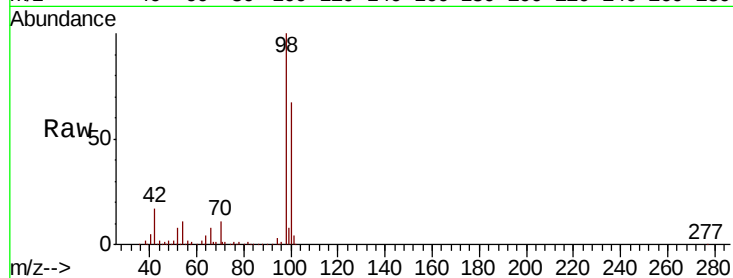




#50
Toluene-d8
Concen: 41.733 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD06341.D
Acq: 3 Aug 2019 4:11

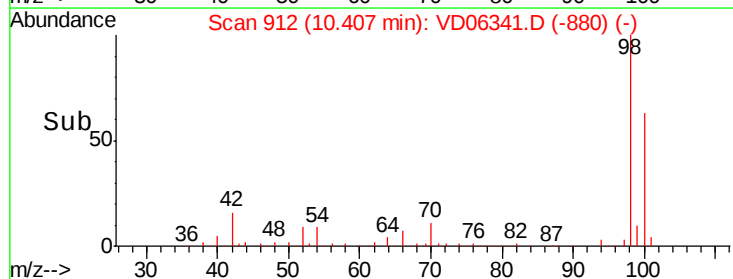
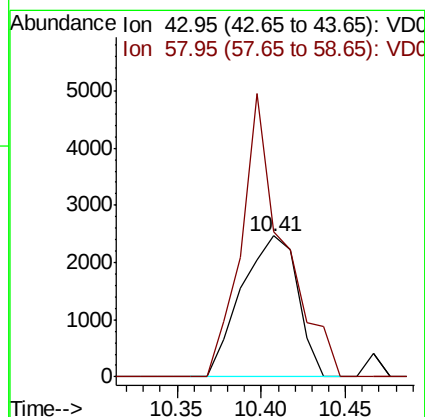
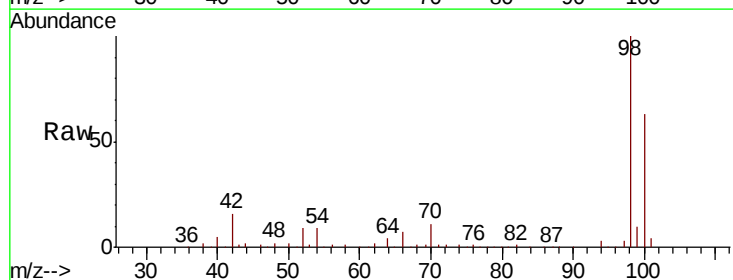
Instrument :
MSVOA_D
ClientSampleId :

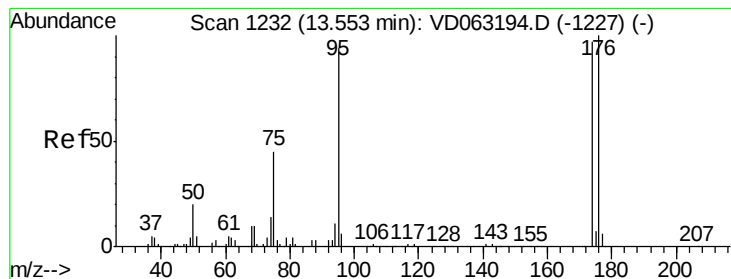
Tgt Ion: 98 Resp: 1079813
Ion Ratio Lower Upper
98 100
100 67.4 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.178 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.11 min
Lab File: VD06341.D
Acq: 3 Aug 2019 4:11

Tgt Ion: 43 Resp: 5682
Ion Ratio Lower Upper
43 100
58 103.3 26.2 39.2#





#62

4-Bromofluorobenzene

Concen: 36.102 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD06341.D

Acq: 3 Aug 2019 4:11

Instrument :

MSVOA_D

ClientSampled :

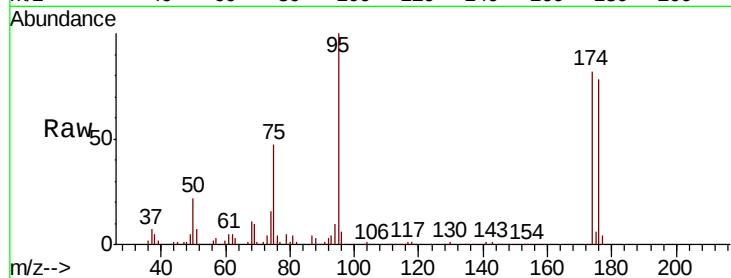
Tgt Ion: 95 Resp: 425675

Ion Ratio Lower Upper

95 100

174 81.8 0.0 205.4

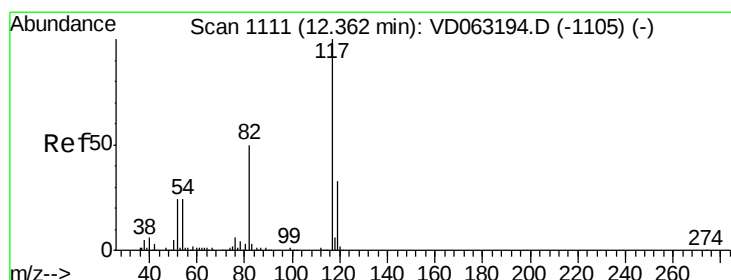
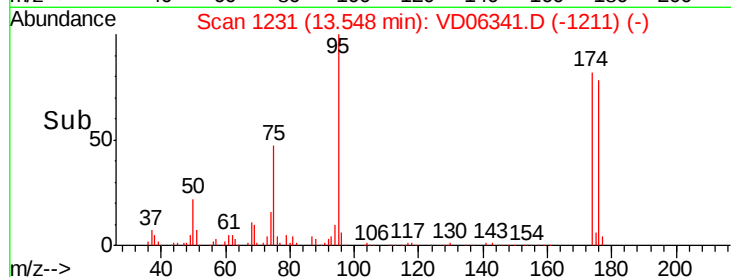
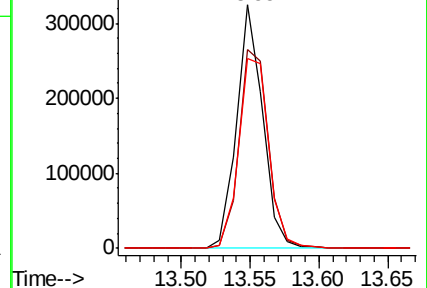
176 77.8 0.0 211.8



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. 0.00 min

Lab File: VD06341.D

Acq: 3 Aug 2019 4:11

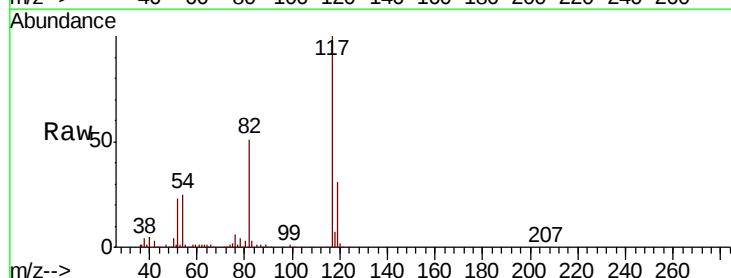
Tgt Ion: 117 Resp: 1033631

Ion Ratio Lower Upper

117 100

82 50.8 40.1 60.1

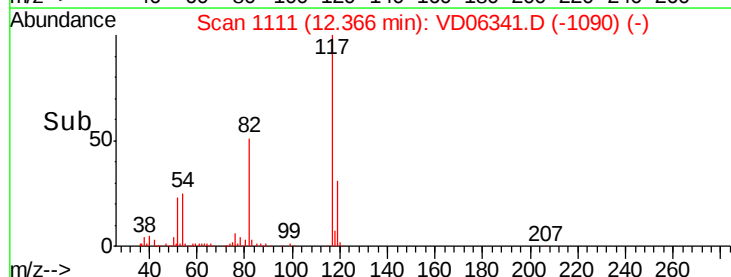
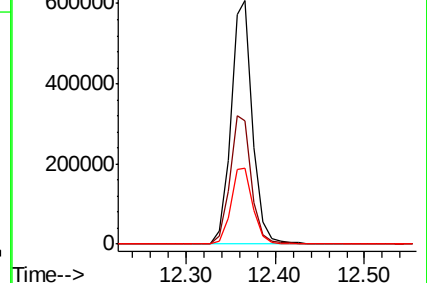
119 31.1 26.5 39.7

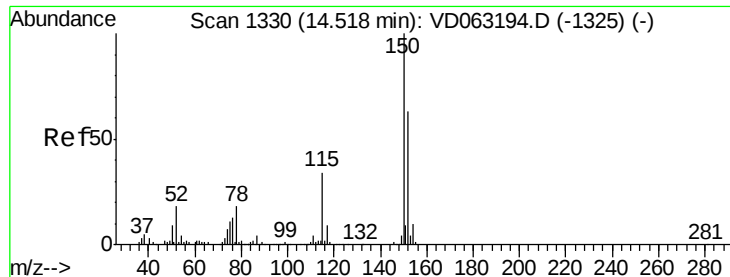


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD06341.D

Acq: 3 Aug 2019 4:11

Instrument :

MSVOA_D

ClientSampleId :

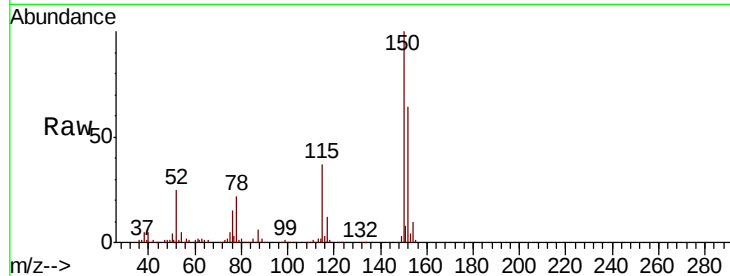
Tgt Ion:152 Resp: 501837

Ion Ratio Lower Upper

152 100

115 58.4 27.5 82.4

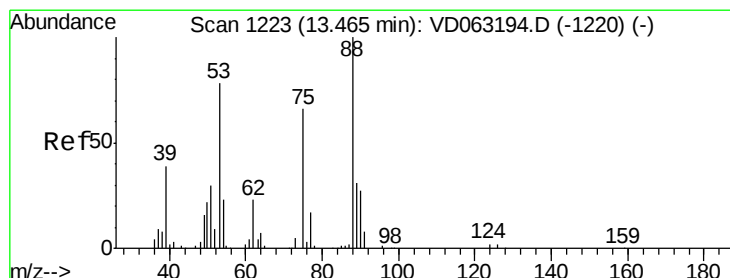
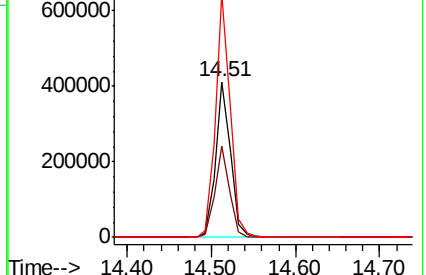
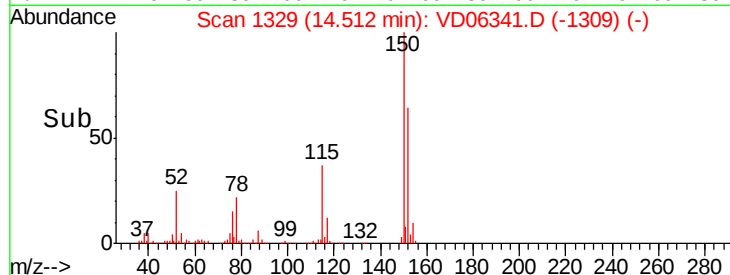
150 156.8 0.0 320.6



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: 122.748 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD06341.D

Acq: 3 Aug 2019 4:11

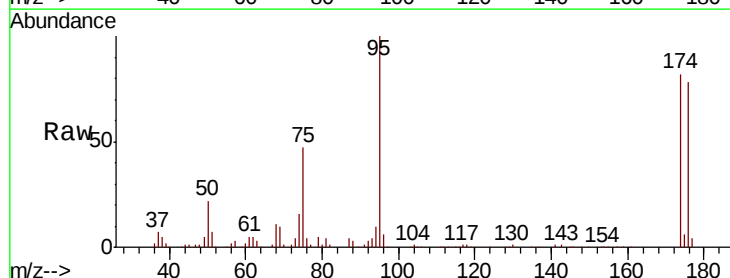
Tgt Ion: 75 Resp: 205452

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.2 37.4 56.0#



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

