

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066452.D
 Acq On : 28 Aug 2020 11:38
 Operator : VA/SY
 Sample : VD0828SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBL01

Quant Time: Aug 29 00:44:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	210060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	288514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	260401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136792	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	112968	54.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.70%	
35) Dibromofluoromethane	7.91	113	91123	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.02%	
50) Toluene-d8	10.33	98	333999	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.63	95	115766	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	

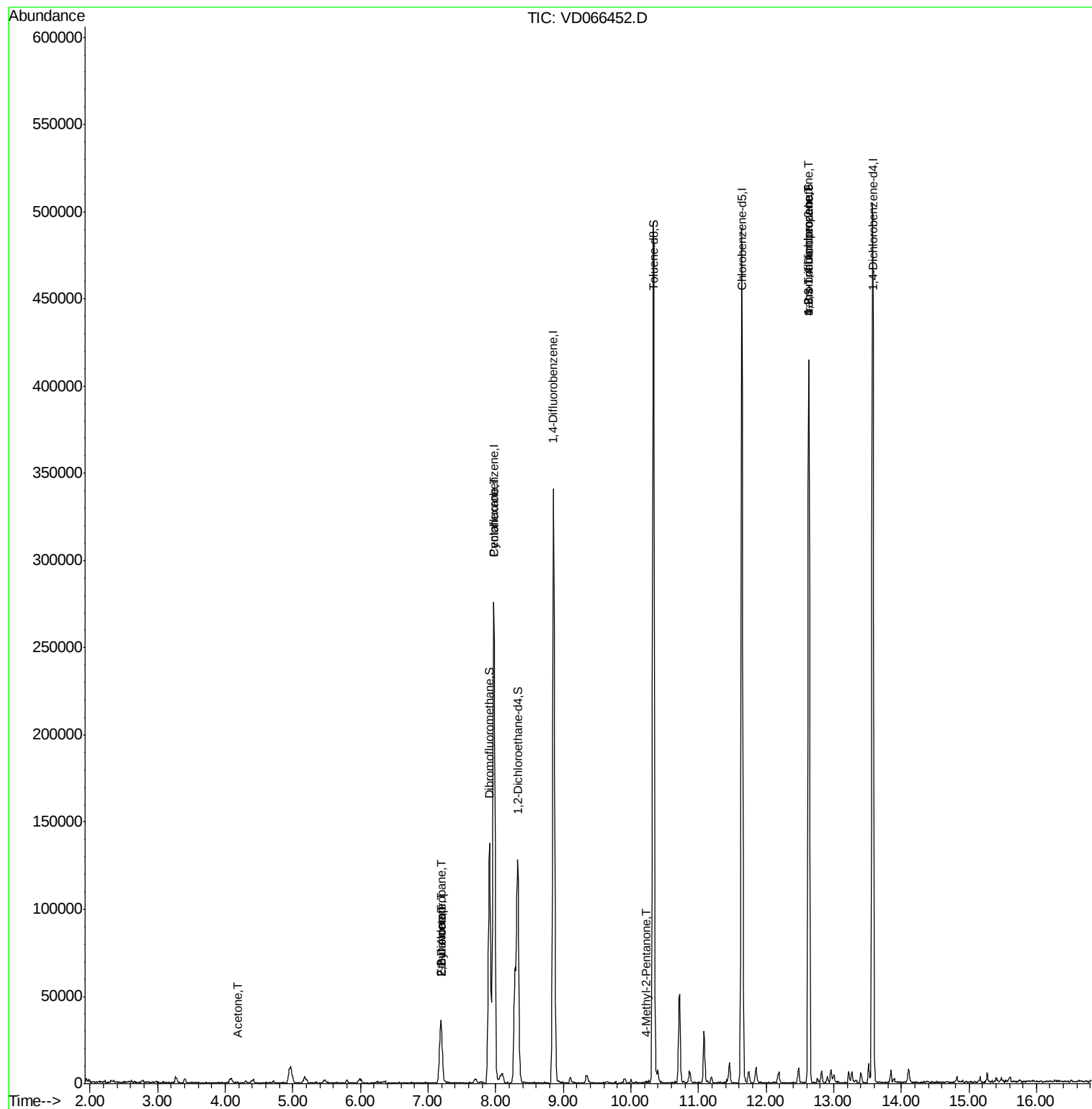
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1950	Below Cal	#	71
16) Acetone	4.17	43	761	2.050	ug/l #	46
20) Methylene Chloride	4.95	84	3317	Below Cal	#	83
25) 2-Butanone	7.20	43	1818	4.313	ug/l #	88
26) 2,2-Dichloropropane	7.20	77	3811	1.137	ug/l #	67
31) Cyclohexane	7.97	56	6143	2.148	ug/l #	44
37) Ethyl Acetate	7.20	43	1818	2.030	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	923	1.062	ug/l #	52
76) 1,2,3-Trichloropropane	12.63	75	70520	73.280	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	70520	155.549	ug/l #	6

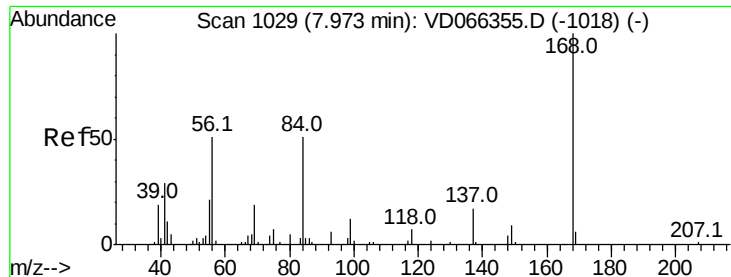
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082820\
Data File : VD066452.D
Acq On : 28 Aug 2020 11:38
Operator : VA/SY
Sample : VD0828SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBL01

Quant Time: Aug 29 00:44:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

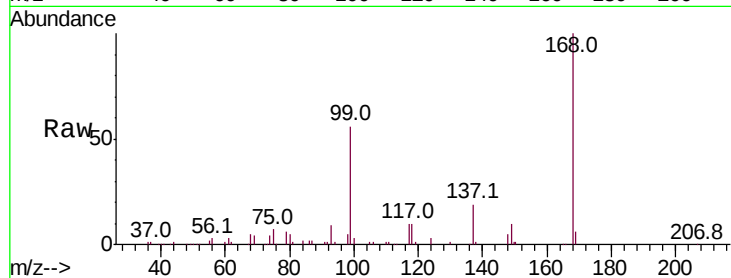
VD0828SBL01

Tot Ion:168 Resp: 210060

Ion Ratio Lower Upper

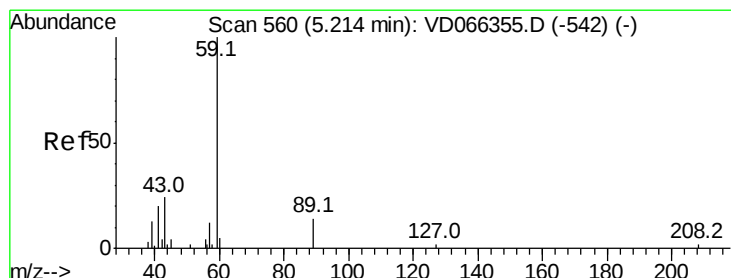
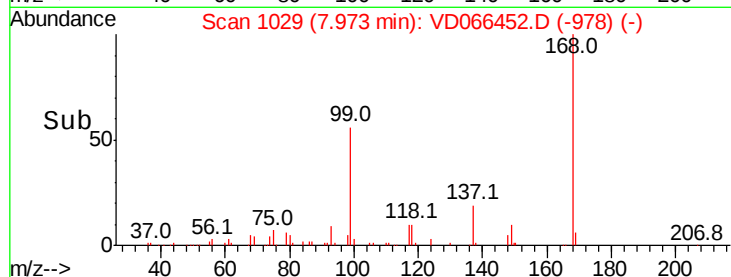
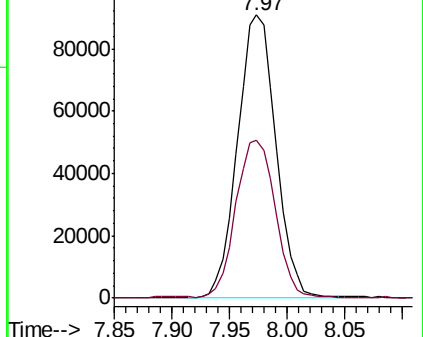
168 100

99 55.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.04 min

Lab File: VD066452.D

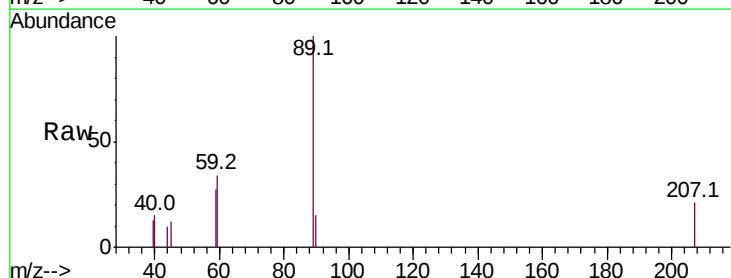
Acq: 28 Aug 2020 11:38

Tgt Ion: 59 Resp: 1950

Ion Ratio Lower Upper

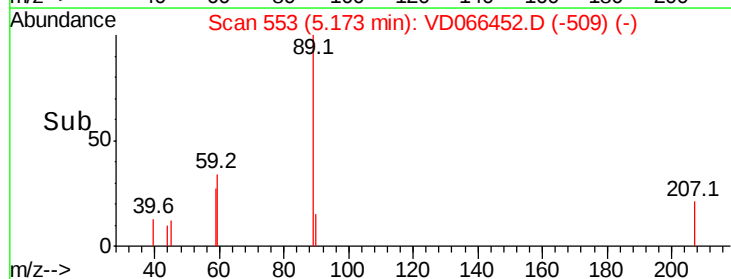
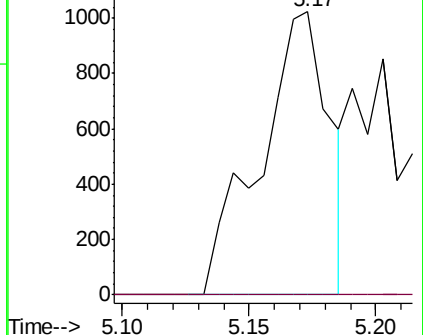
59 100

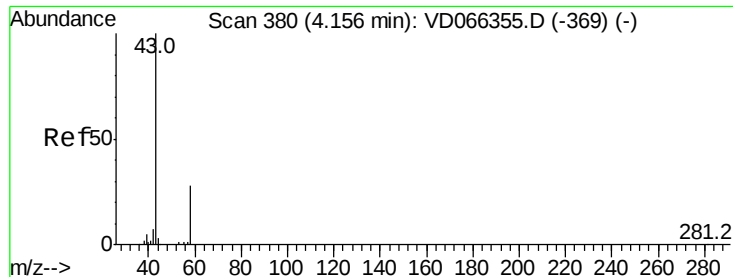
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.050 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

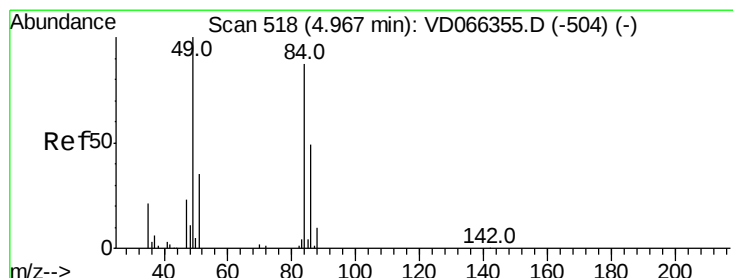
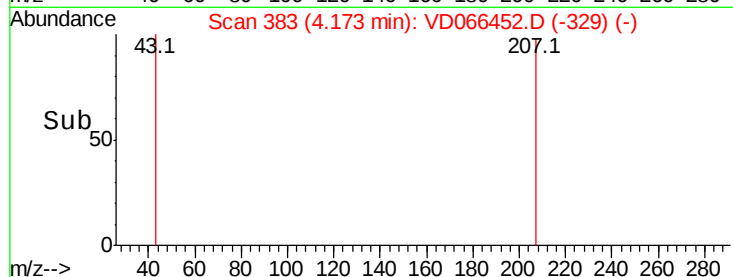
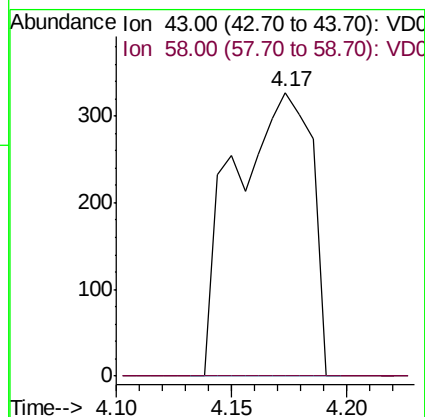
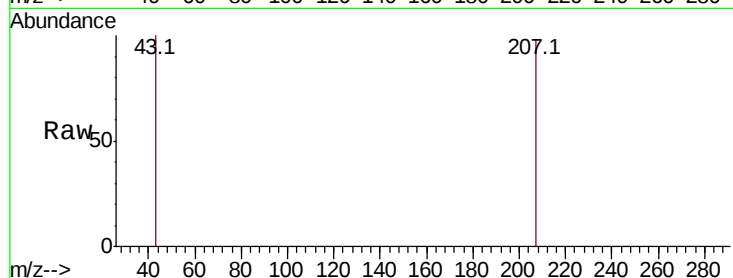
VD0828SBL01

Tot Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.02 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

Tgt Ion: 84 Resp: 3317

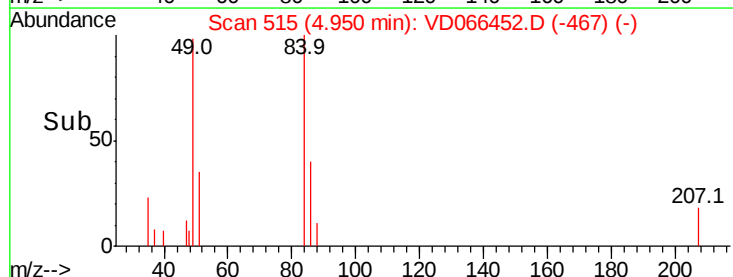
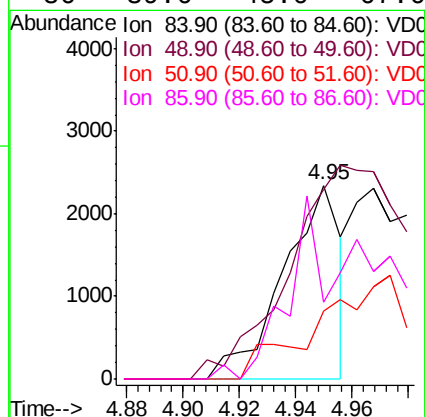
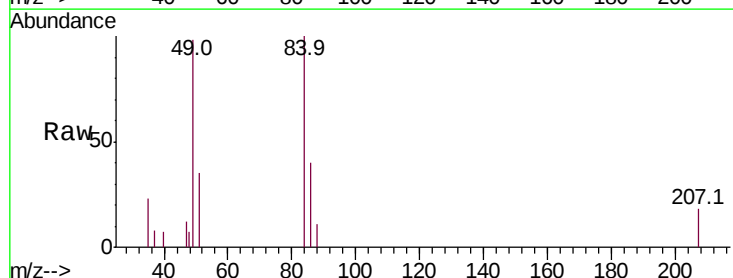
Ion Ratio Lower Upper

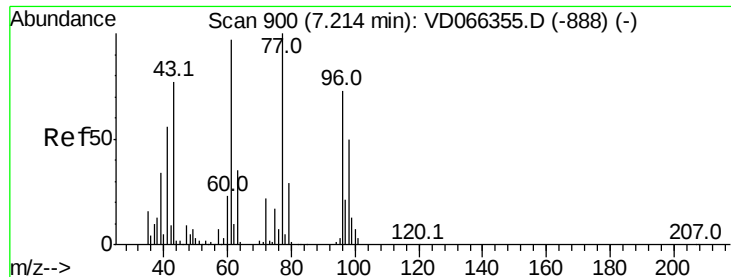
84 100

49 98.0 92.5 138.7

51 35.2 32.5 48.7

86 39.6 45.0 67.6#





#25

2-Butanone

Concen: 4.313 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

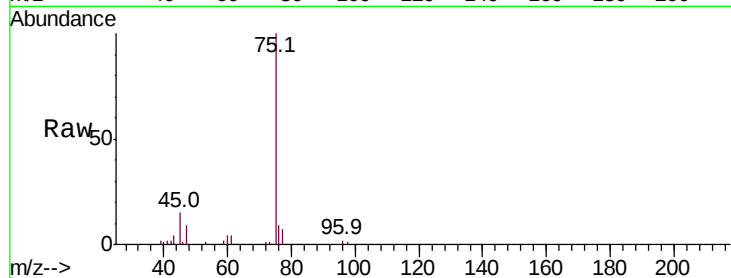
VD0828SBL01

Tot Ion: 43 Resp: 1818

Ion Ratio Lower Upper

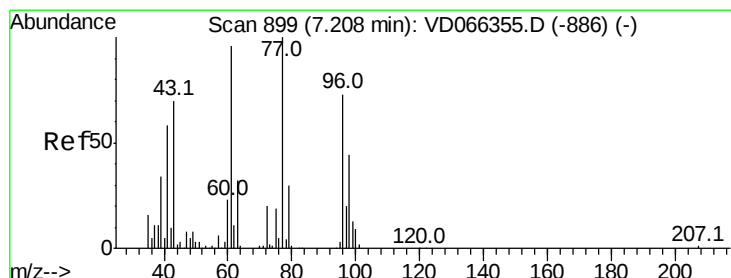
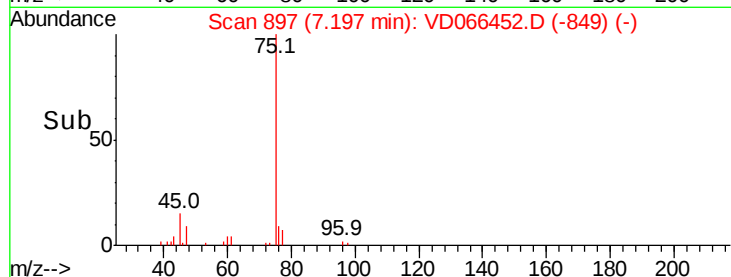
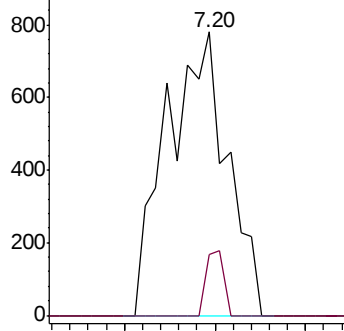
43 100

72 21.5 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 1.137 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066452.D

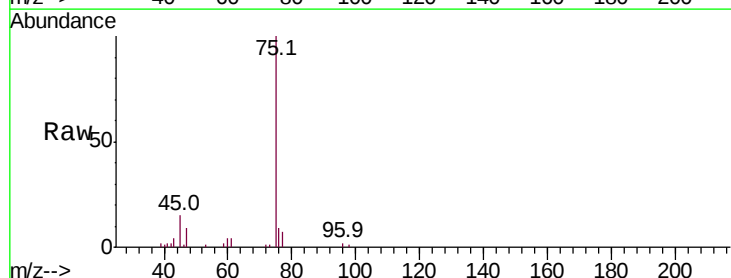
Acq: 28 Aug 2020 11:38

Tgt Ion: 77 Resp: 3811

Ion Ratio Lower Upper

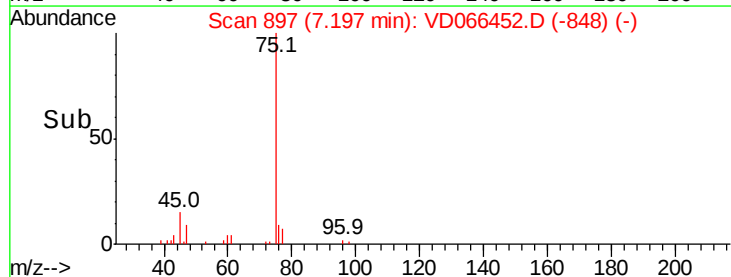
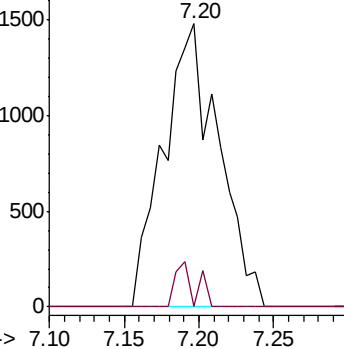
77 100

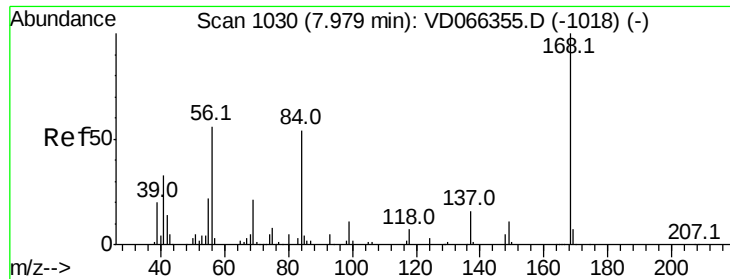
97 5.6 10.7 31.9#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

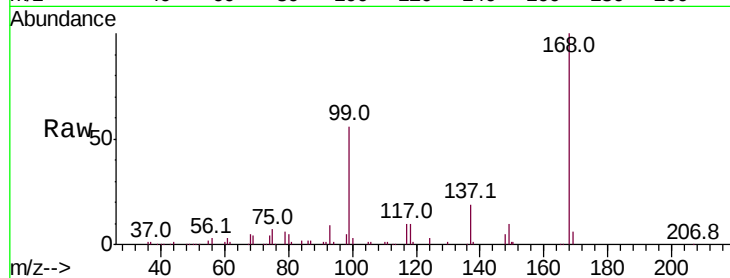




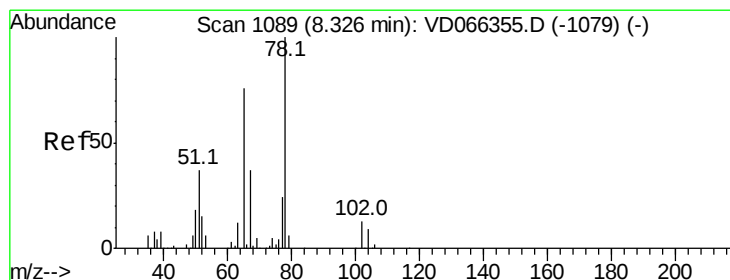
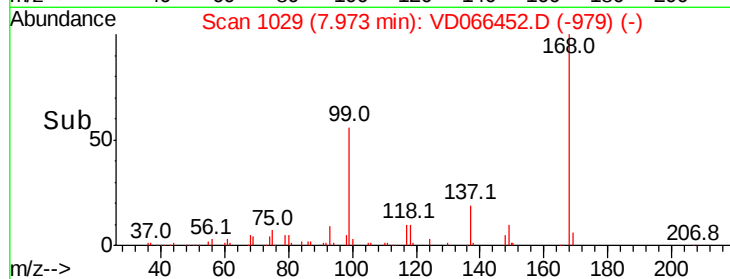
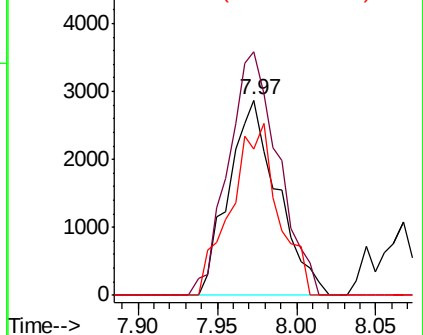
#31
Cyclohexane
Concen: 2.148 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066452.D
Acq: 28 Aug 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBL01

Tot Ion: 56 Resp: 6143
Ion Ratio Lower Upper
56 100
69 124.7 29.6 44.4#
84 75.1 76.6 115.0#

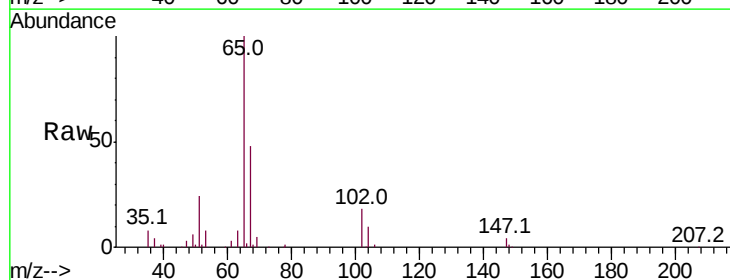


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

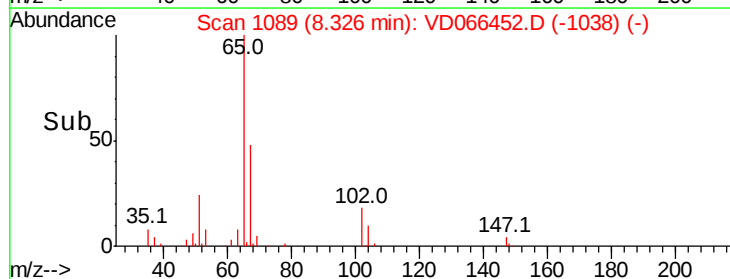
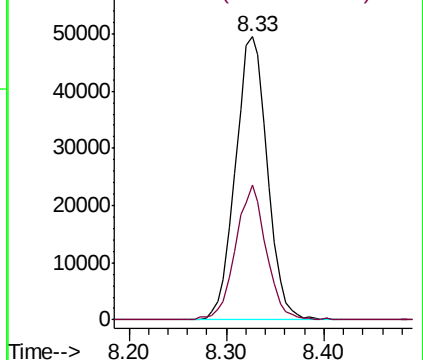


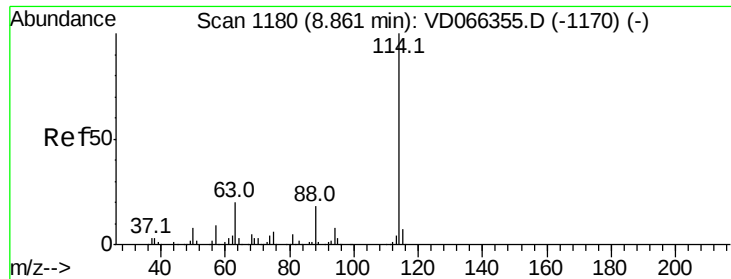
#33
1,2-Dichloroethane-d4
Concen: 54.854 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066452.D
Acq: 28 Aug 2020 11:38

Tgt Ion: 65 Resp: 112968
Ion Ratio Lower Upper
65 100
67 45.7 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

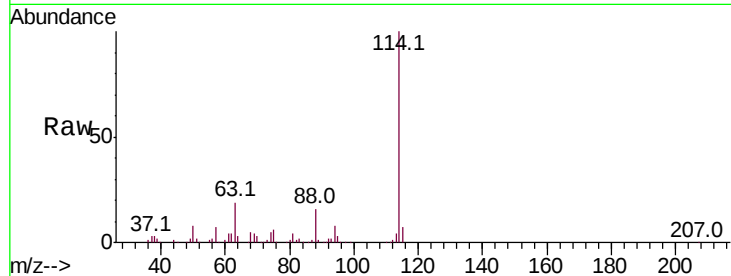




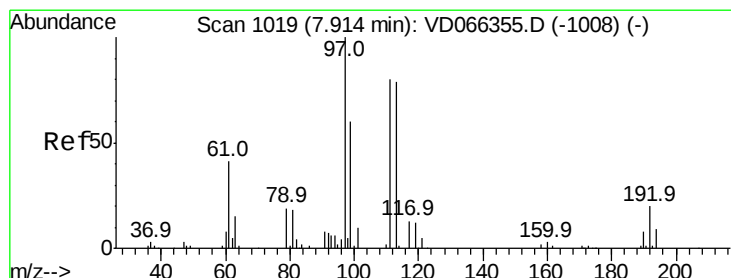
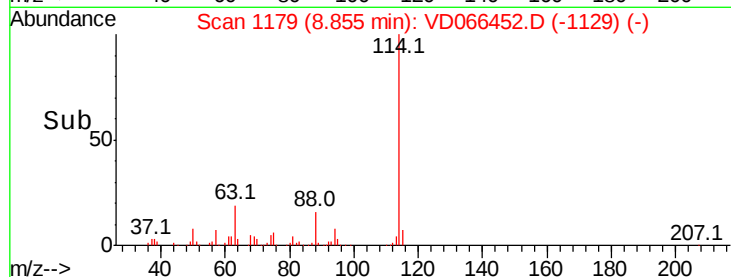
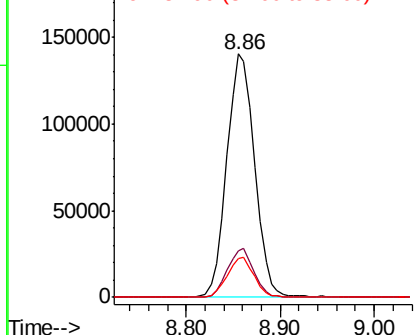
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD066452.D
Acq: 28 Aug 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBL01

Tot Ion:114 Resp: 288514
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.8
88 16.0 0.0 35.4

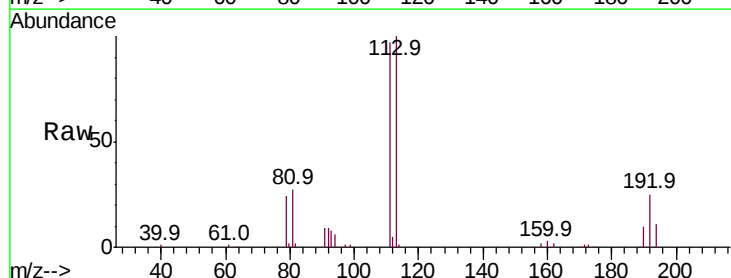


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

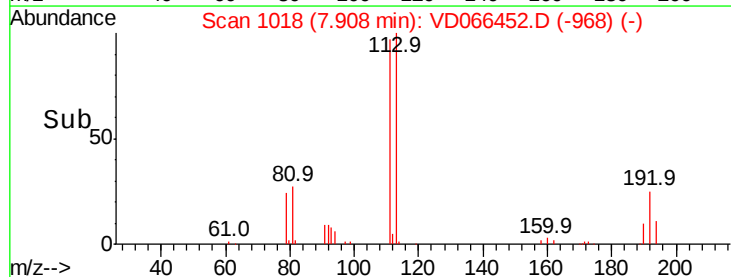
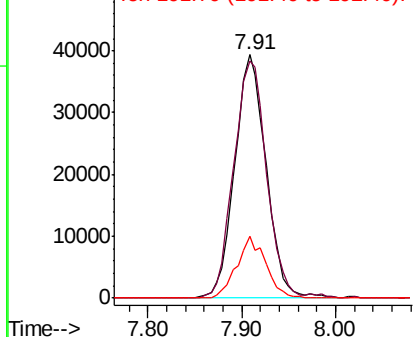


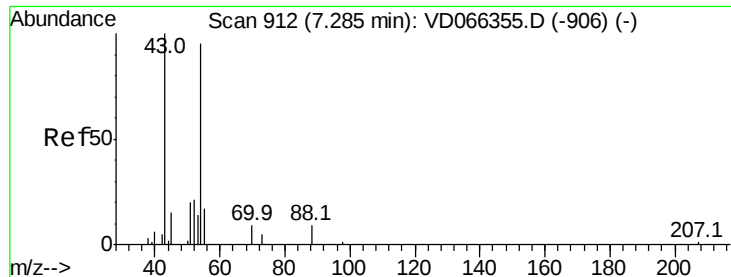
#35
Dibromofluoromethane
Concen: 50.509 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066452.D
Acq: 28 Aug 2020 11:38

Tgt Ion:113 Resp: 91123
Ion Ratio Lower Upper
113 100
111 101.6 80.3 120.5
192 23.2 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

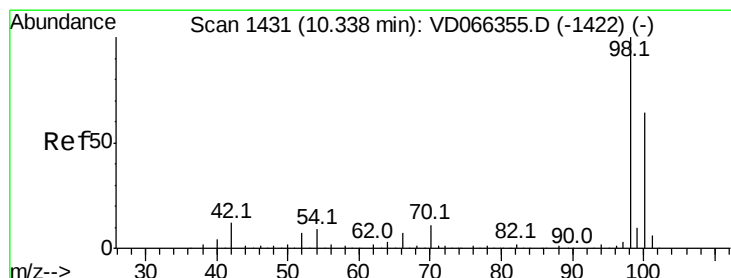
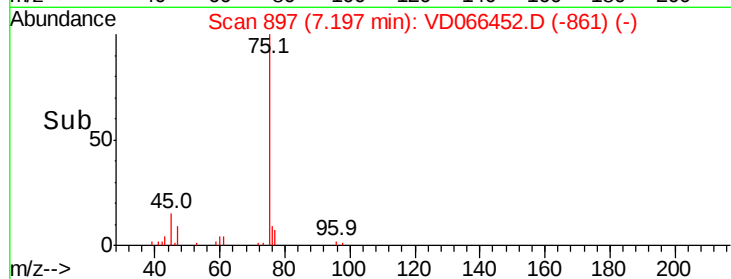
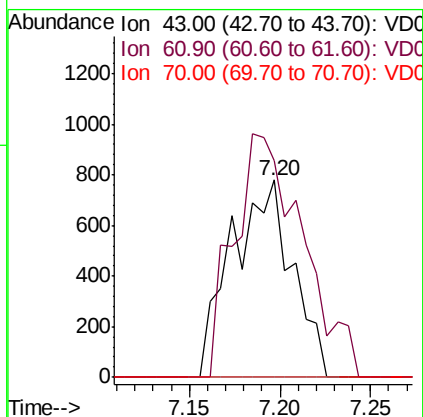
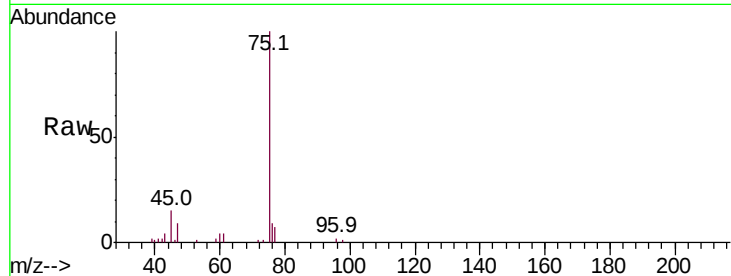




#37
Ethyl Acetate
Concen: 2.030 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.09 min
Lab File: VD066452.D
Acq: 28 Aug 2020 11:38

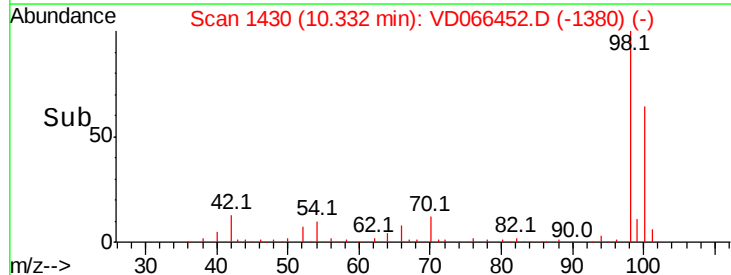
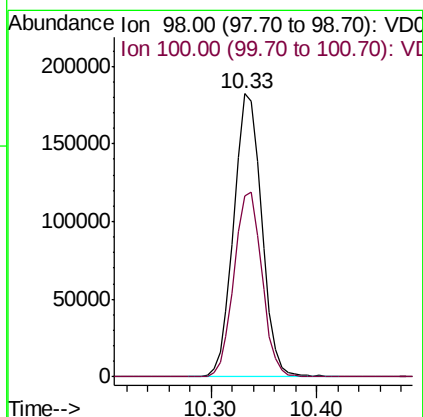
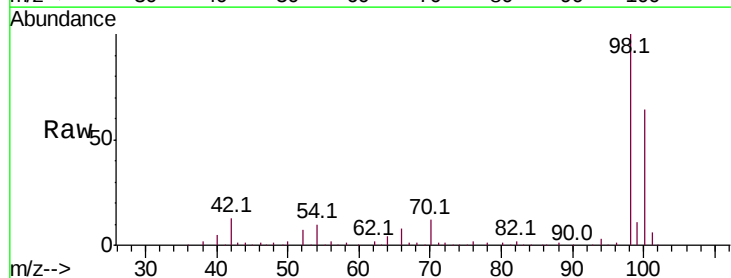
Instrument :
MSVOA_D
ClientSampleId :
VD0828SBL01

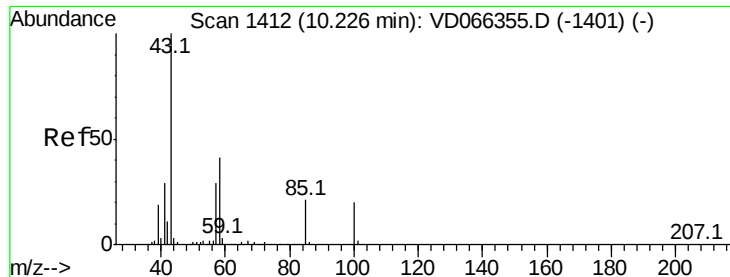
Tot Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
61 140.1 13.3 19.9#
70 0.0 3.5 5.3#



#50
Toluene-d8
Concen: 50.598 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066452.D
Acq: 28 Aug 2020 11:38

Tgt Ion: 98 Resp: 333999
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 1.062 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

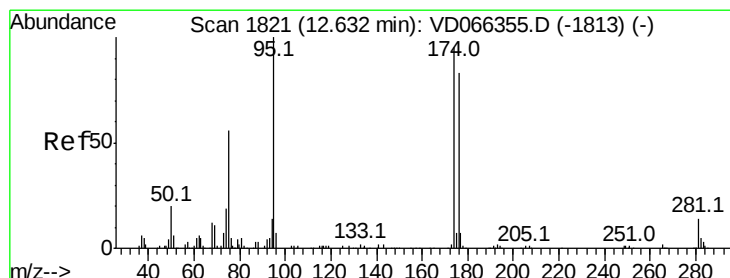
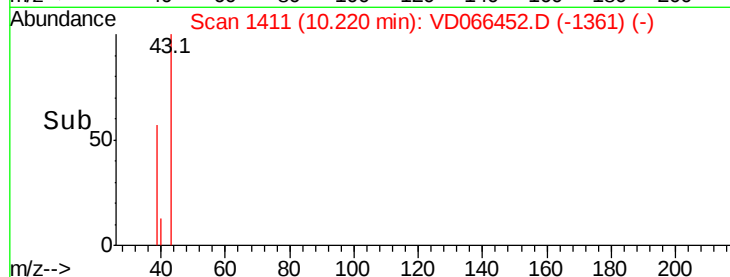
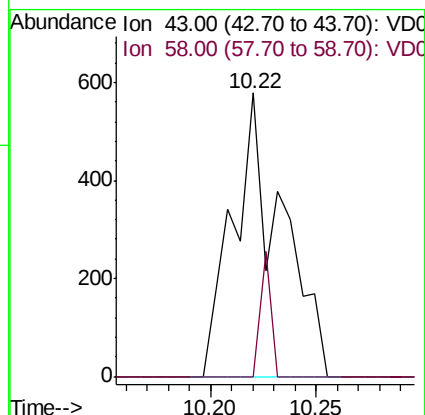
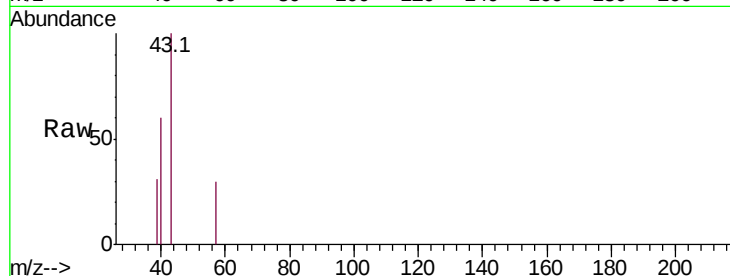
VD0828SBL01

Tot Ion: 43 Resp: 923

Ion Ratio Lower Upper

43 100

58 9.8 31.4 47.2#



#62

4-Bromofluorobenzene

Concen: 49.424 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

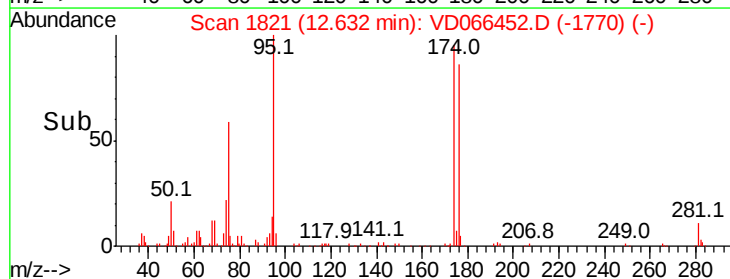
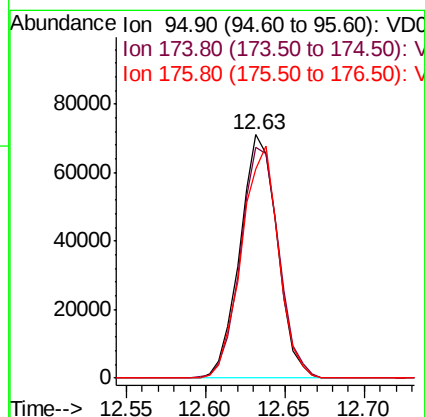
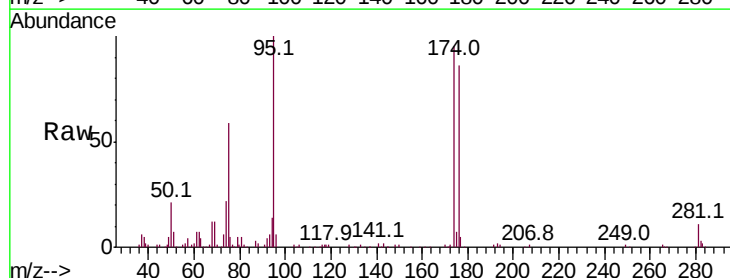
Tgt Ion: 95 Resp: 115766

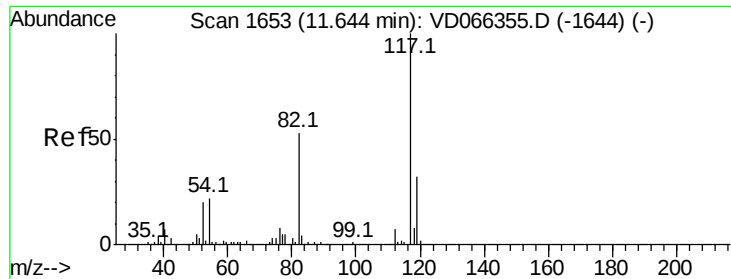
Ion Ratio Lower Upper

95 100

174 98.0 0.0 183.4

176 94.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBL01

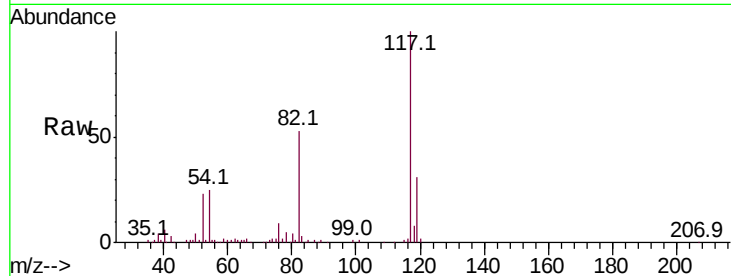
Tot Ion:117 Resp: 260401

Ion Ratio Lower Upper

117 100

82 53.2 42.8 64.2

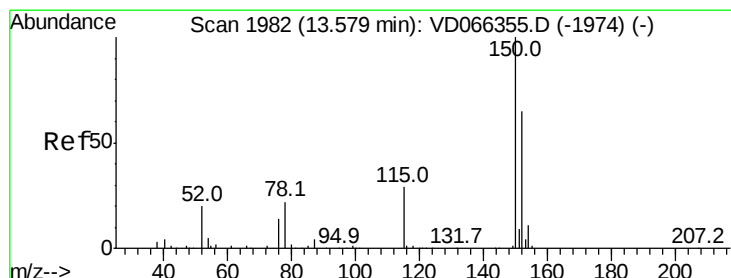
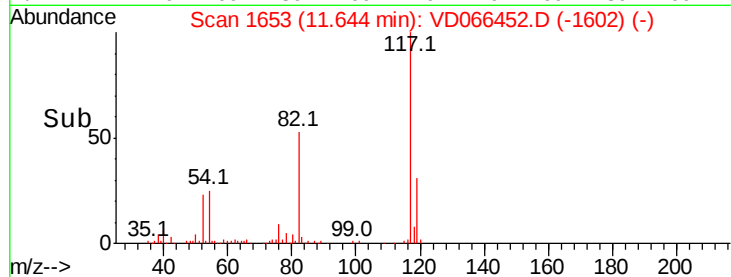
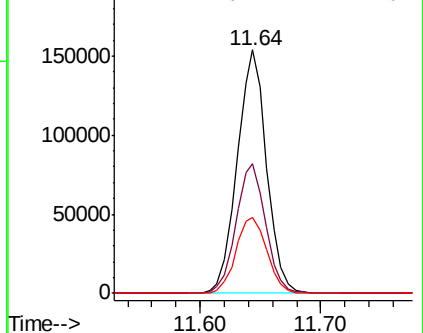
119 31.3 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

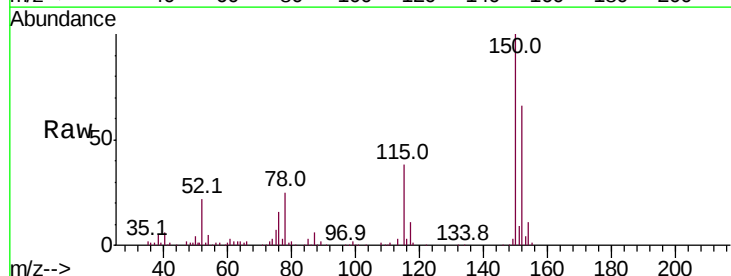
Tgt Ion:152 Resp: 136792

Ion Ratio Lower Upper

152 100

115 58.1 28.3 85.0

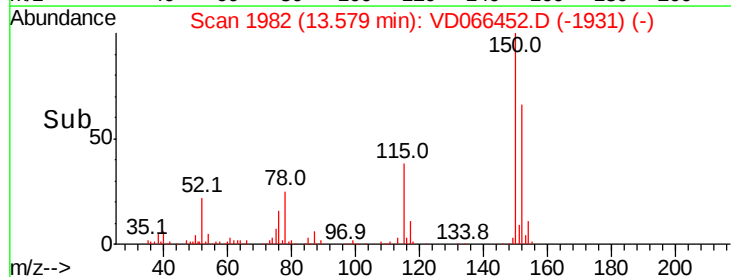
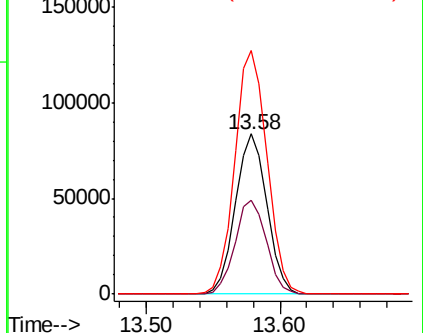
150 155.2 0.0 343.2

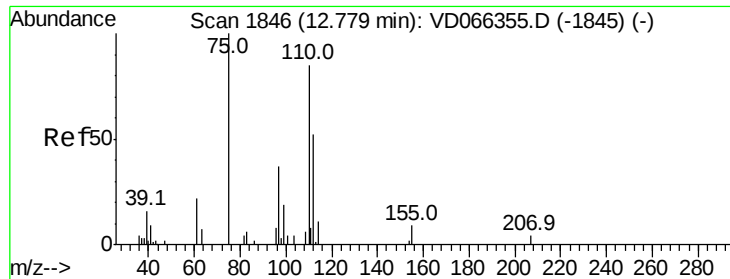


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 73.280 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

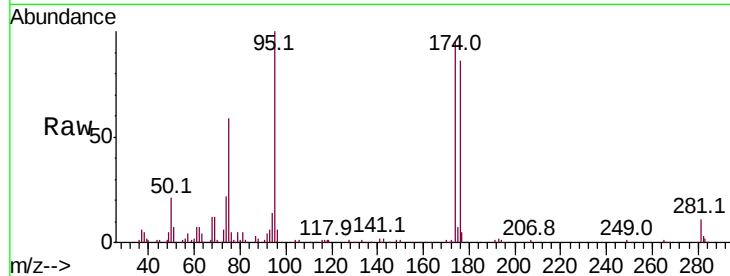
VD0828SBL01

Tot Ion: 75 Resp: 70520

Ion Ratio Lower Upper

75 100

77 0.6 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

40000

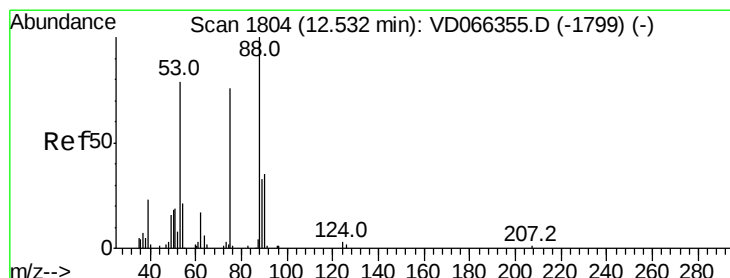
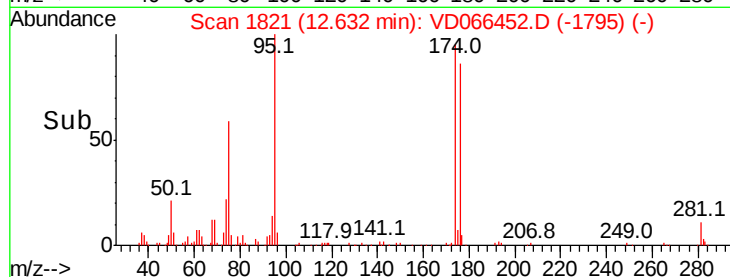
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 155.549 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066452.D

Acq: 28 Aug 2020 11:38

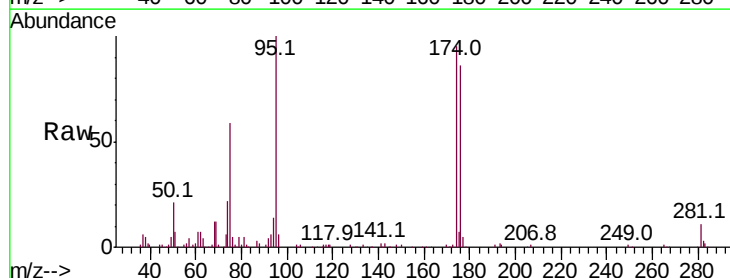
Tgt Ion: 75 Resp: 70520

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.63

40000

30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

