

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071065.D
 Acq On : 19 Nov 2021 19:13
 Operator : VA/SY
 Sample : M4758-31
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:54:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

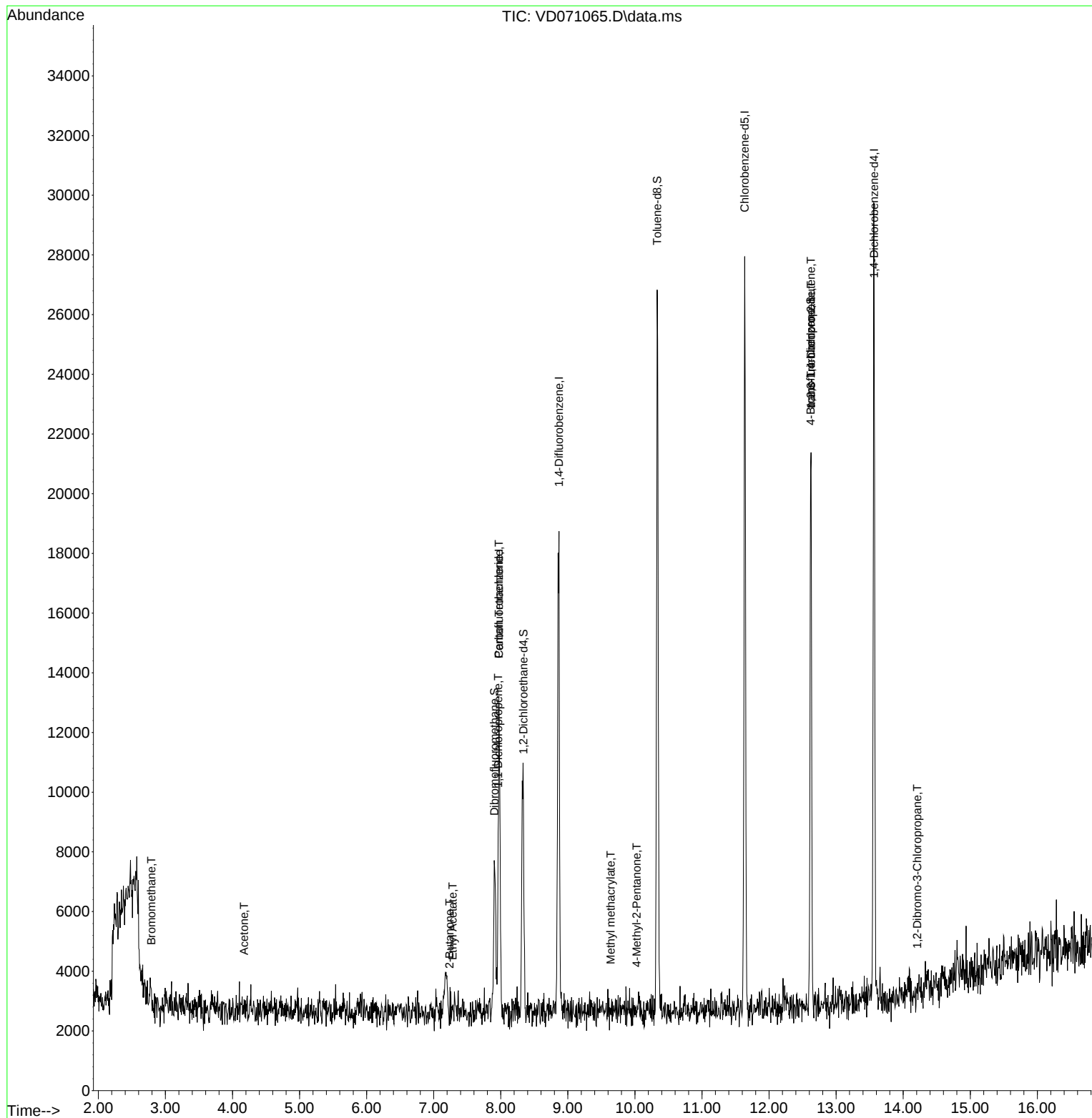
Internal Standards						
1) Pentafluorobenzene	7.973	168	6871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	13831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	13007	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	6839	93.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 186.980%#	
35) Dibromofluoromethane	7.902	113	3750	48.049	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.100%	
50) Toluene-d8	10.332	98	16344	53.474	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.940%	
62) 4-Bromofluorobenzene	12.620	95	6441	58.528	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	314	6.857	ug/l #	71
16) Acetone	4.173	43	54	22.313	ug/l #	40
25) 2-Butanone	7.238	43	63	22.634	ug/l #	45
36) 1,1-Dichloropropene	7.961	75	720	5.830	ug/l #	41
37) Ethyl Acetate	7.285	43	59	1.047	ug/l #	66
38) Carbon Tetrachloride	7.973	117	627	5.513	ug/l #	12
48) Methyl methacrylate	9.638	41	60	1.026	ug/l #	15
51) 4-Methyl-2-Pentanone	10.026	43	70	1.211	ug/l #	34
76) 1,2,3-Trichloropropane	12.626	75	3434	67.885	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	3434	125.348	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.208	75	63	5.231	ug/l #	4

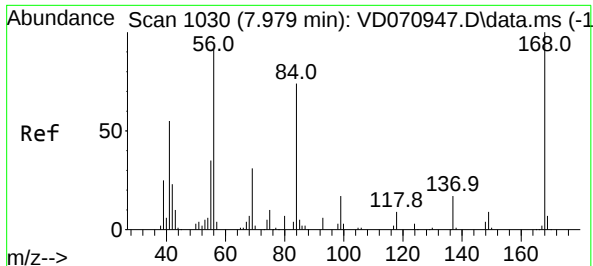
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

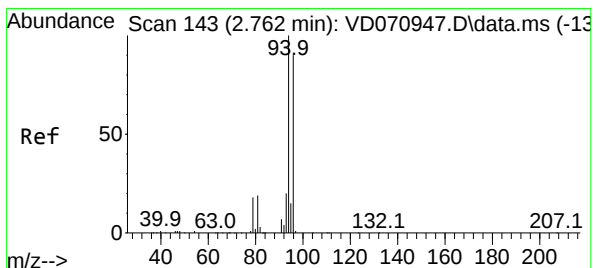
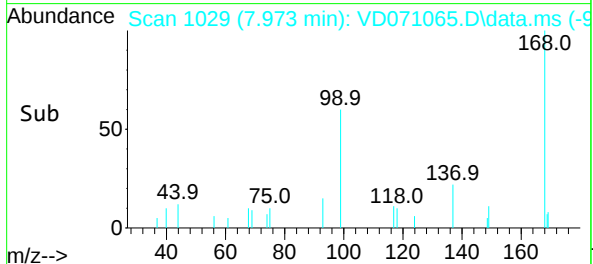
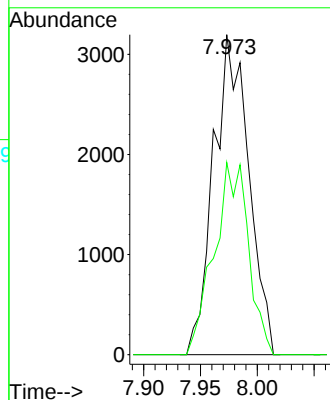
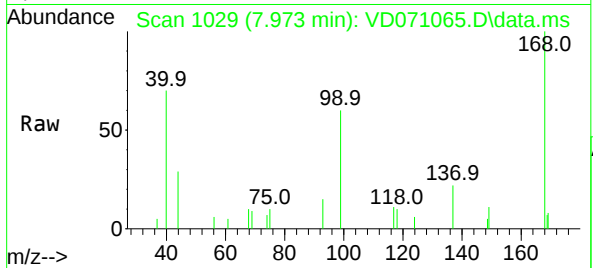




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

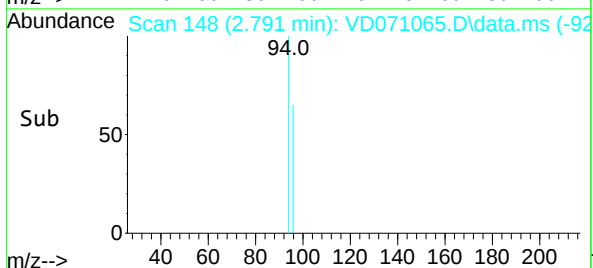
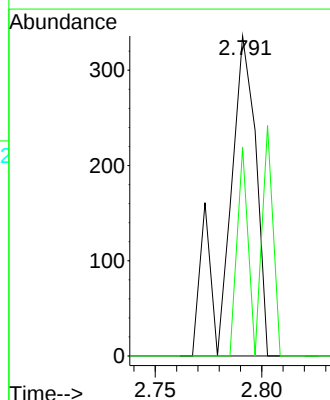
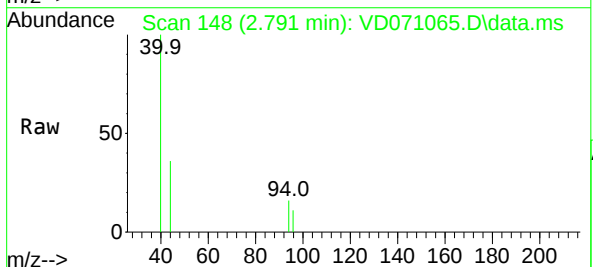
Instrument :
MSVOA_D
ClientSampleId :

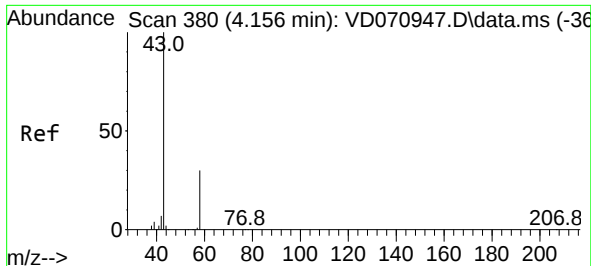
Tgt Ion:168 Resp: 6871
Ion Ratio Lower Upper
168 100
99 60.1 46.6 69.8



#5
Bromomethane
Concen: 6.857 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 65.2 74.8 112.2#

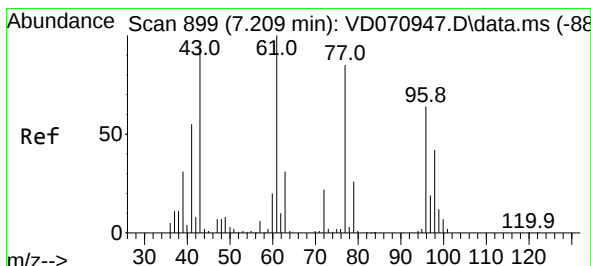
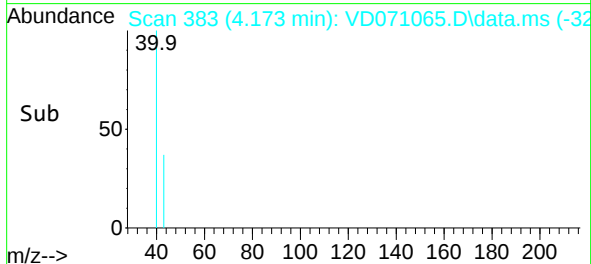
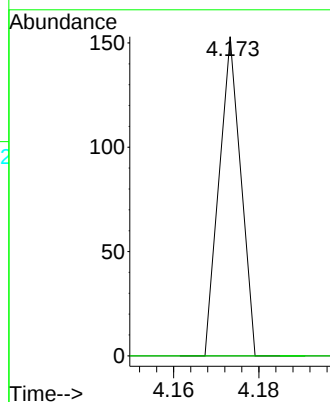
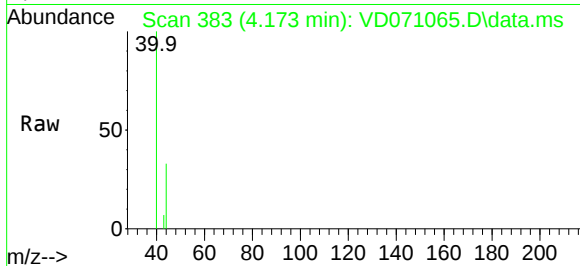




#16
Acetone
Concen: 22.313 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.017 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

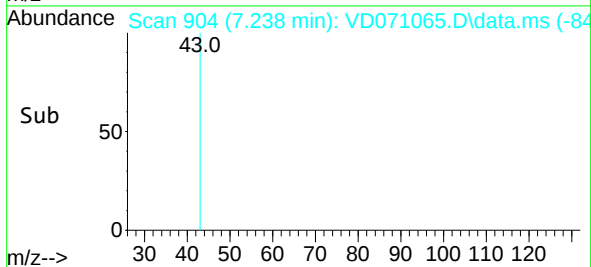
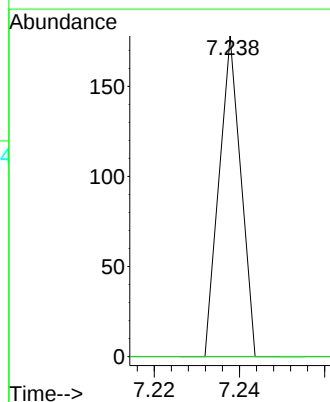
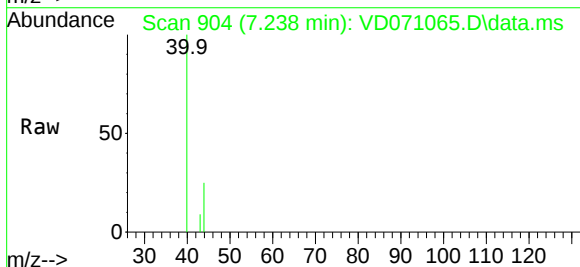
Instrument :
MSVOA_D
ClientSampleId :

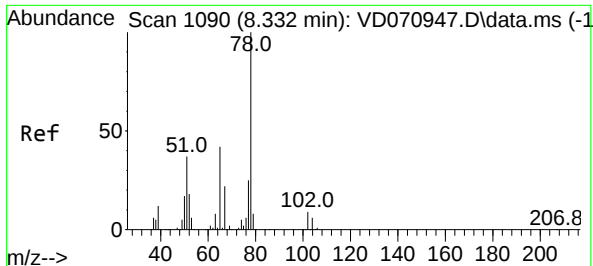
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#25
2-Butanone
Concen: 22.634 ug/l
RT: 7.238 min Scan# 904
Delta R.T. 0.029 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#





#33

1,2-Dichloroethane-d4

Concen: 93.485 ug/l

RT: 8.338 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VD071065.D

Acq: 19 Nov 2021 19:13

Instrument :

MSVOA_D

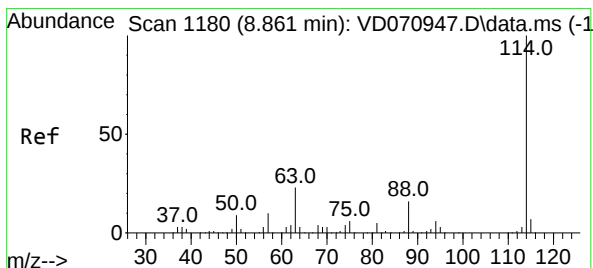
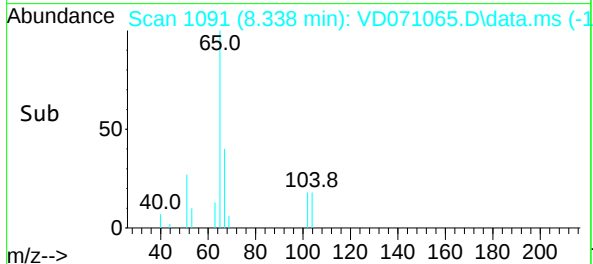
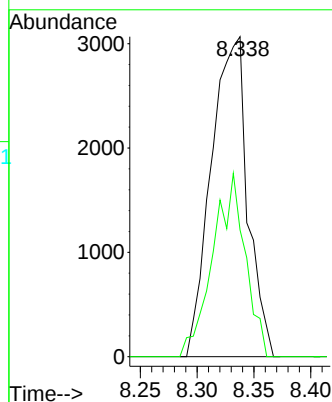
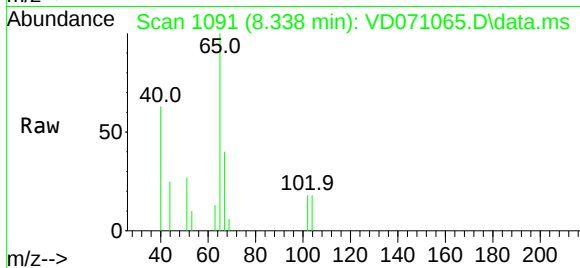
ClientSampleId :

Tgt Ion: 65 Resp: 6839

Ion Ratio Lower Upper

65 100

67 50.8 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD071065.D

Acq: 19 Nov 2021 19:13

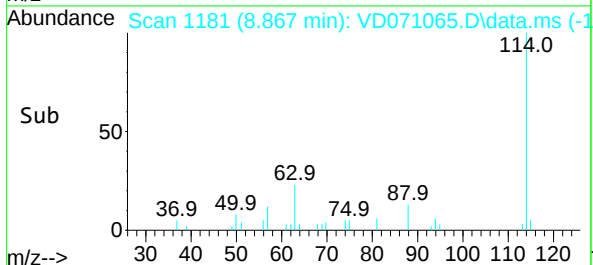
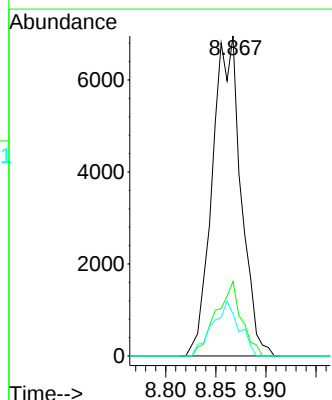
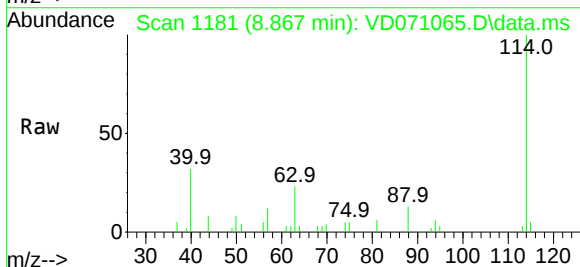
Tgt Ion: 114 Resp: 13831

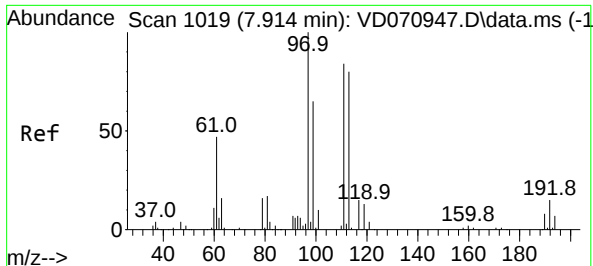
Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.8

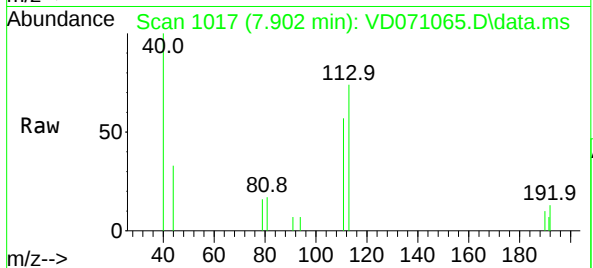
88 13.2 0.0 32.8



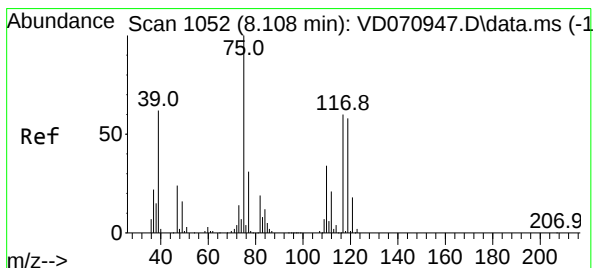
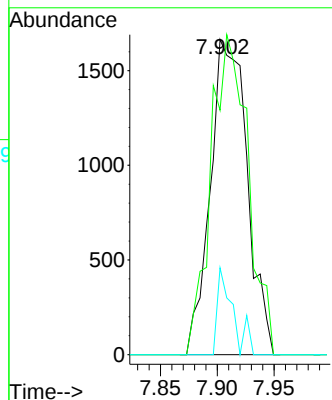
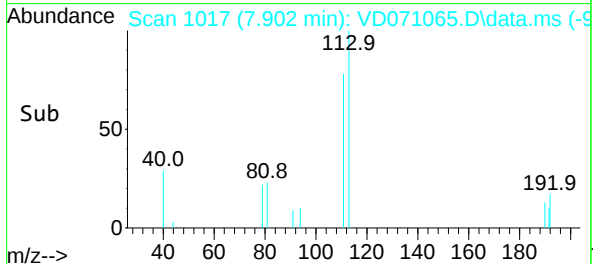


#35
Dibromofluoromethane
Concen: 48.049 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.012 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

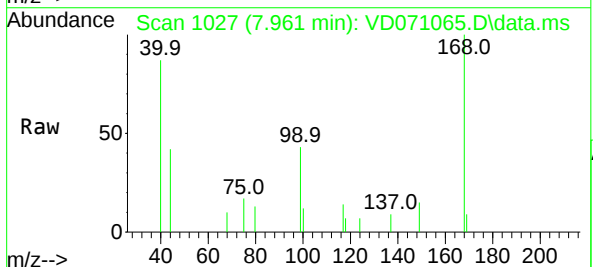
Instrument :
MSVOA_D
ClientSampleId :



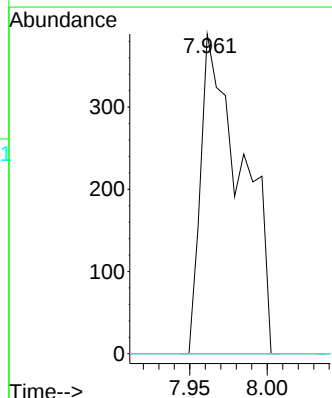
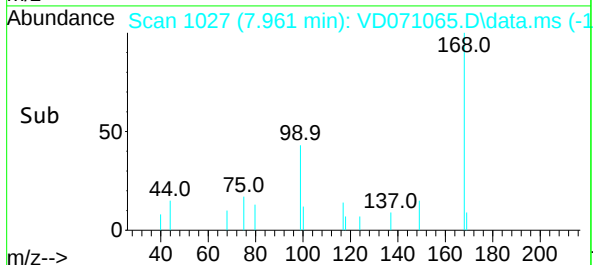
Tgt Ion:113 Resp: 3750
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 11.6 15.2 22.8#

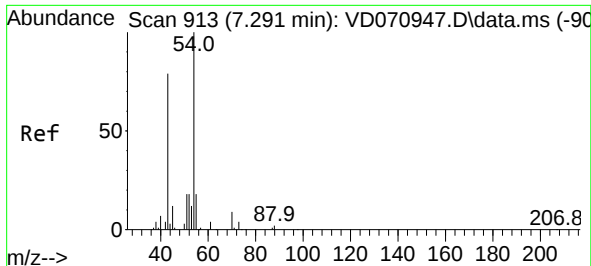


#36
1,1-Dichloropropene
Concen: 5.830 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.147 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13



Tgt Ion: 75 Resp: 720
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.047 ug/l

RT: 7.285 min Scan# 91

Delta R.T. -0.006 min

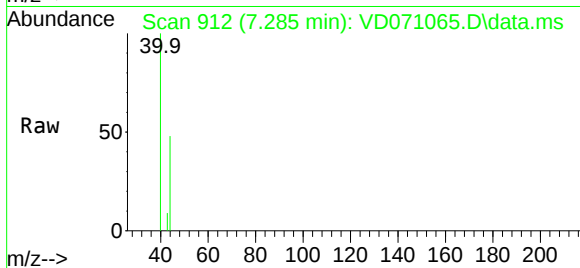
Lab File: VD071065.D

Acq: 19 Nov 2021 19:13

Instrument :

MSVOA_D

ClientSampleId :



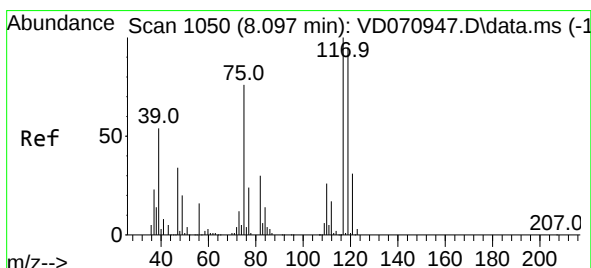
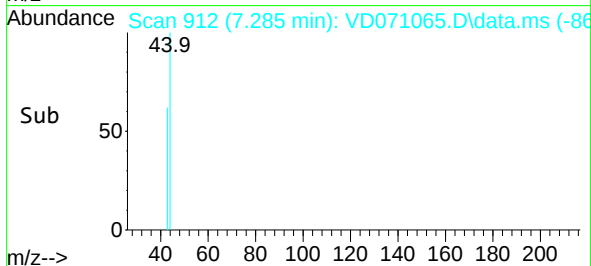
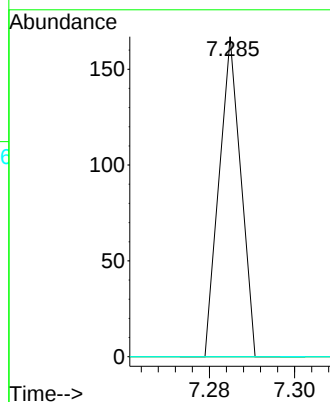
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.513 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071065.D

Acq: 19 Nov 2021 19:13

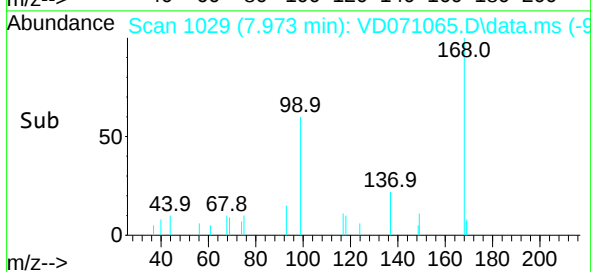
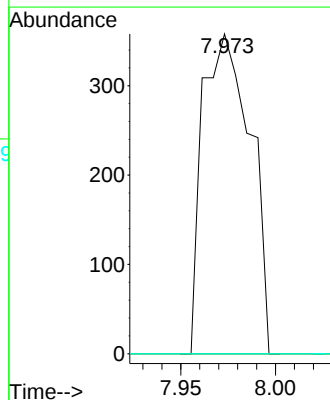
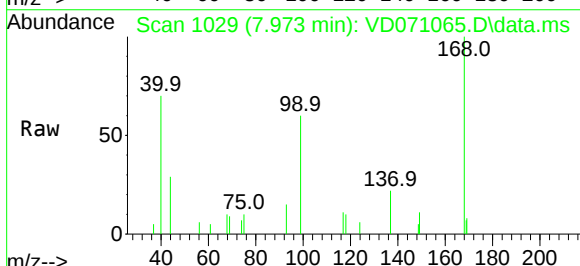
Tgt Ion: 117 Resp: 627

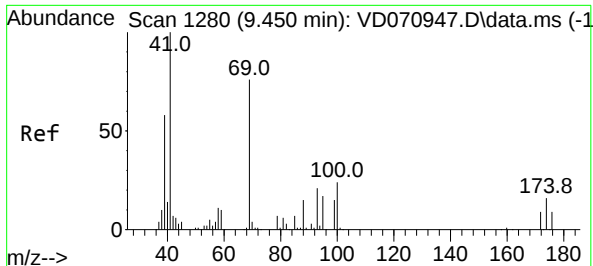
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 23.6 35.4#





#48

Methyl methacrylate

Concen: 1.026 ug/l

RT: 9.638 min Scan# 11

Delta R.T. 0.188 min

Lab File: VD071065.D

Acq: 19 Nov 2021 19:13

Instrument :

MSVOA_D

ClientSampleId :

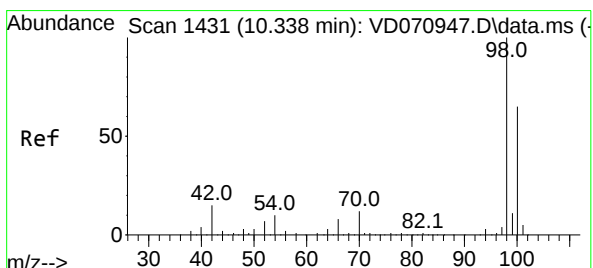
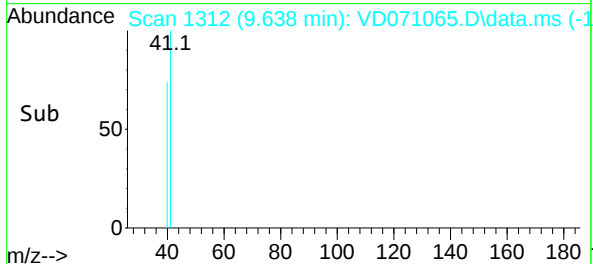
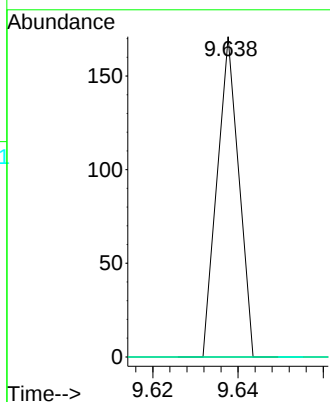
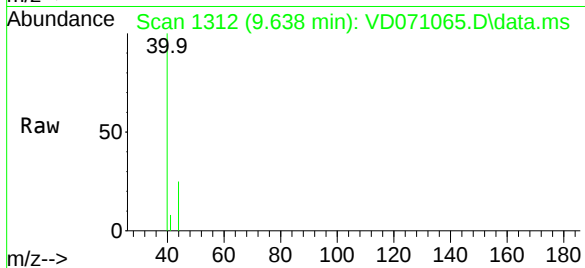
Tgt Ion: 41 Resp: 60

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 0.0 35.6 53.4#



#50

Toluene-d8

Concen: 53.474 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071065.D

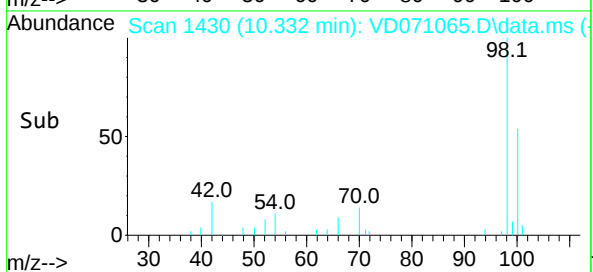
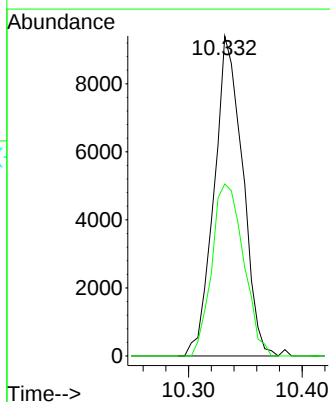
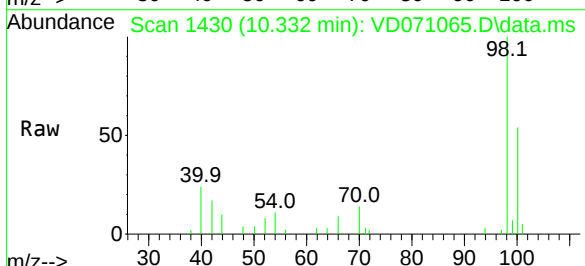
Acq: 19 Nov 2021 19:13

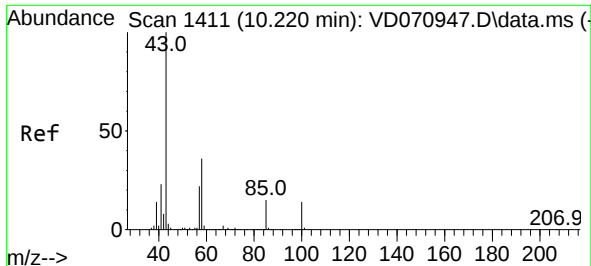
Tgt Ion: 98 Resp: 16344

Ion Ratio Lower Upper

98 100

100 60.0 51.8 77.6

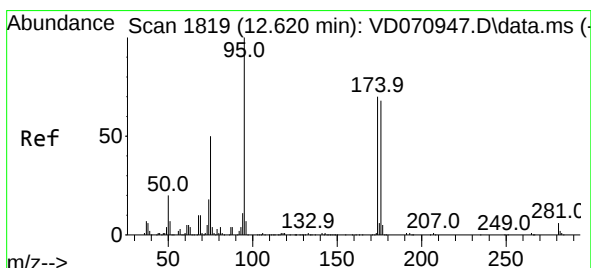
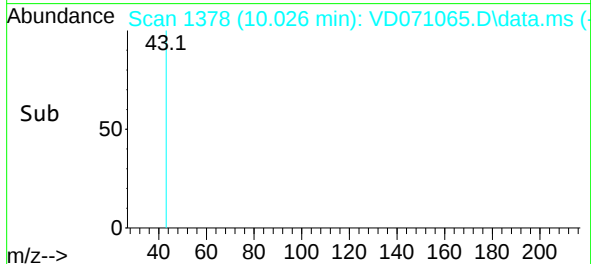
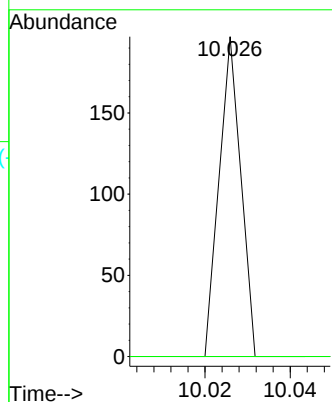
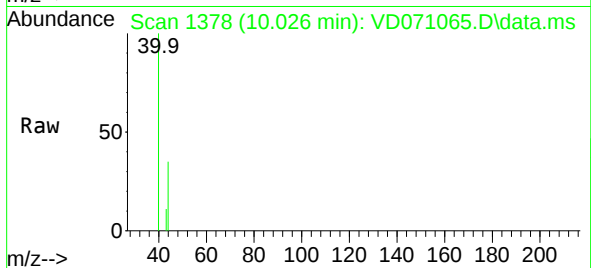




#51
4-Methyl-2-Pentanone
Concen: 1.211 ug/l
RT: 10.026 min Scan# 11
Delta R.T. -0.194 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

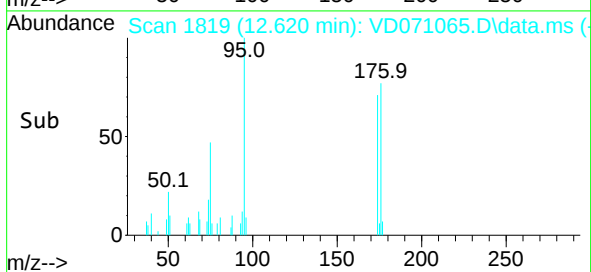
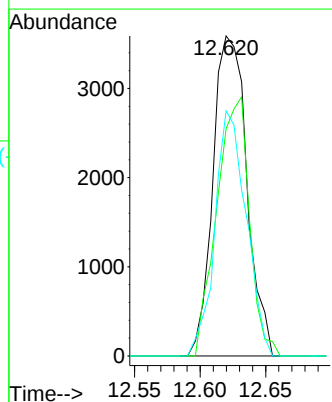
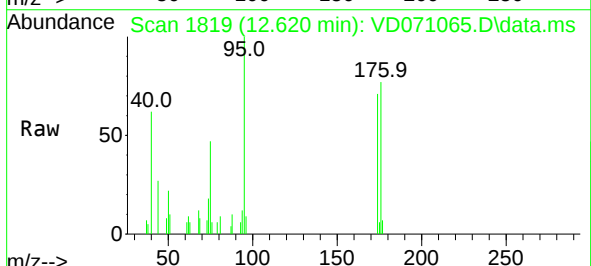
Instrument :
MSVOA_D
ClientSampleId :

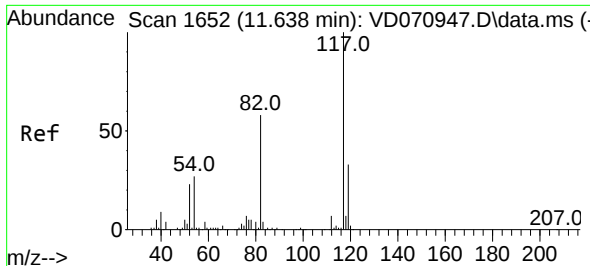
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#62
4-Bromofluorobenzene
Concen: 58.528 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

Tgt Ion: 95 Resp: 6441
Ion Ratio Lower Upper
95 100
174 78.0 0.0 159.4
176 70.7 0.0 154.0

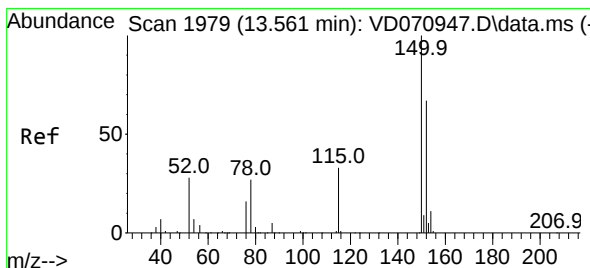
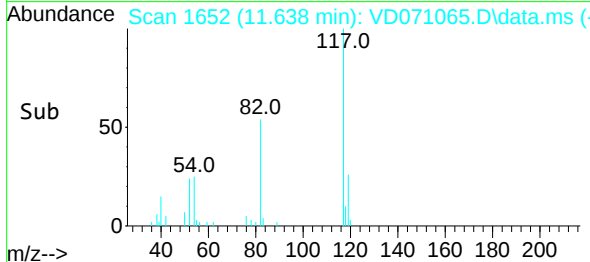
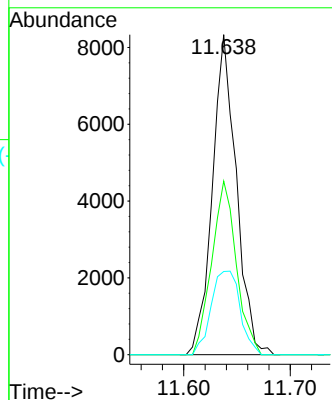
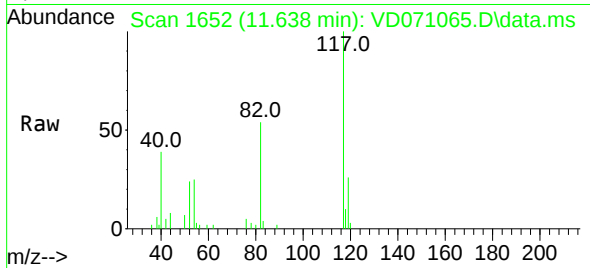




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

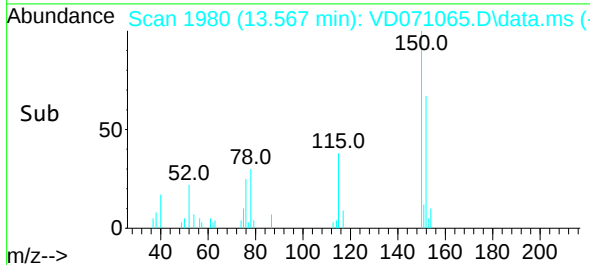
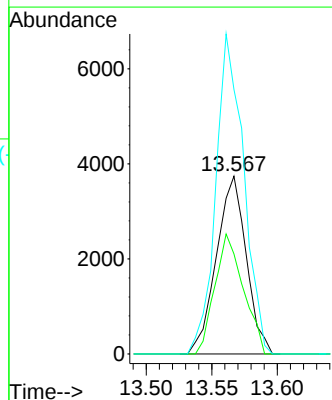
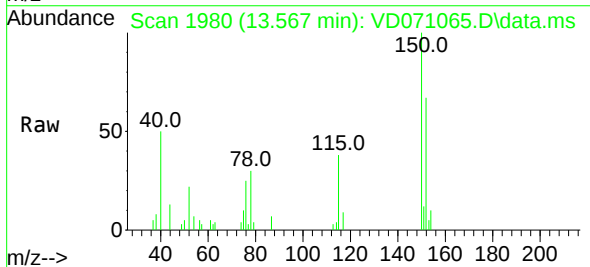
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.7	67.1
119	26.0	26.2	39.4

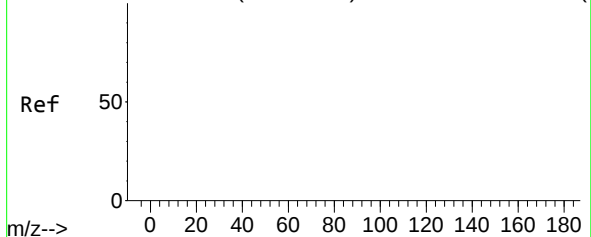


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	29.8	89.3
150	168.3	0.0	349.2



Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-

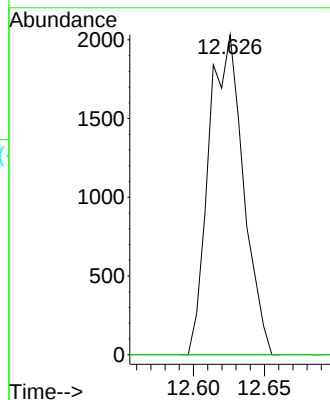
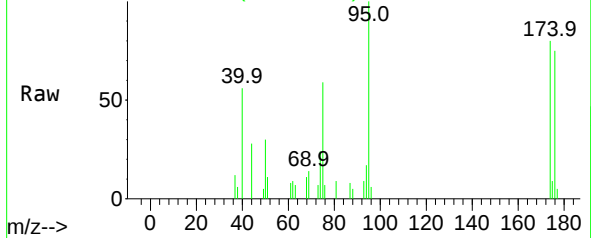


#76
1,2,3-Trichloropropane
Concen: 67.885 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

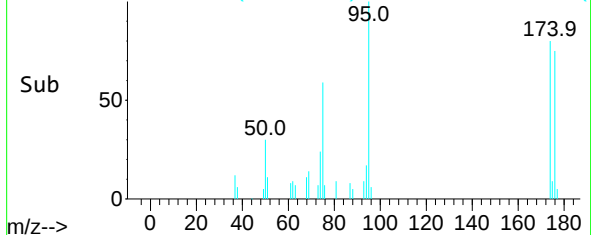
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 3434
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#

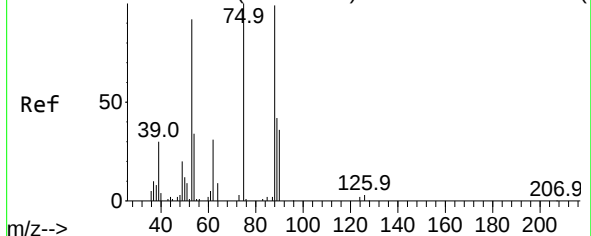
Abundance Scan 1820 (12.626 min): VD071065.D\data.ms (-



Abundance Scan 1820 (12.626 min): VD071065.D\data.ms (-



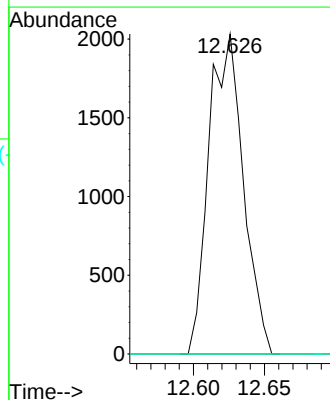
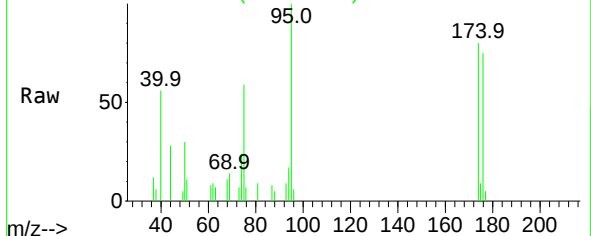
Abundance Scan 1801 (12.514 min): VD070947.D\data.ms (-



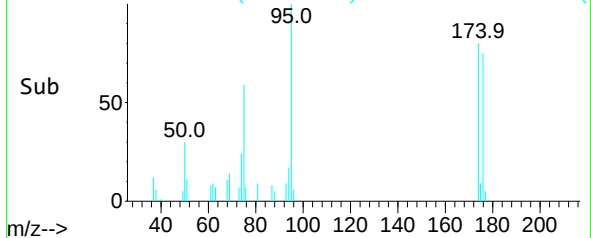
#81
trans-1,4-Dichloro-2-butene
Concen: 125.348 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

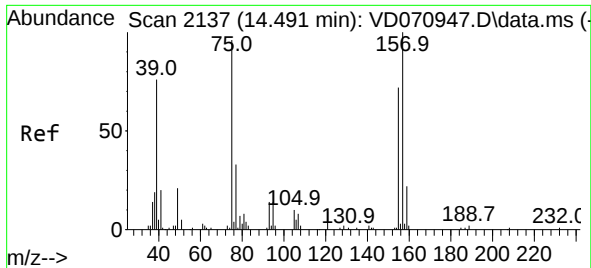
Tgt Ion: 75 Resp: 3434
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

Abundance Scan 1820 (12.626 min): VD071065.D\data.ms (-



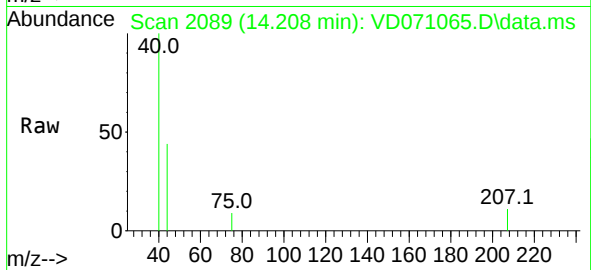
Abundance Scan 1820 (12.626 min): VD071065.D\data.ms (-





#92
1,2-Dibromo-3-Chloropropane
Concen: 5.231 ug/l
RT: 14.208 min Scan# 20
Delta R.T. -0.283 min
Lab File: VD071065.D
Acq: 19 Nov 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

