

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074680.D
 Acq On : 28 Oct 2022 19:10
 Operator : VA/SY
 Sample : N5284-04
 Misc : 6.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-3-WC

Quant Time: Oct 29 02:16:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

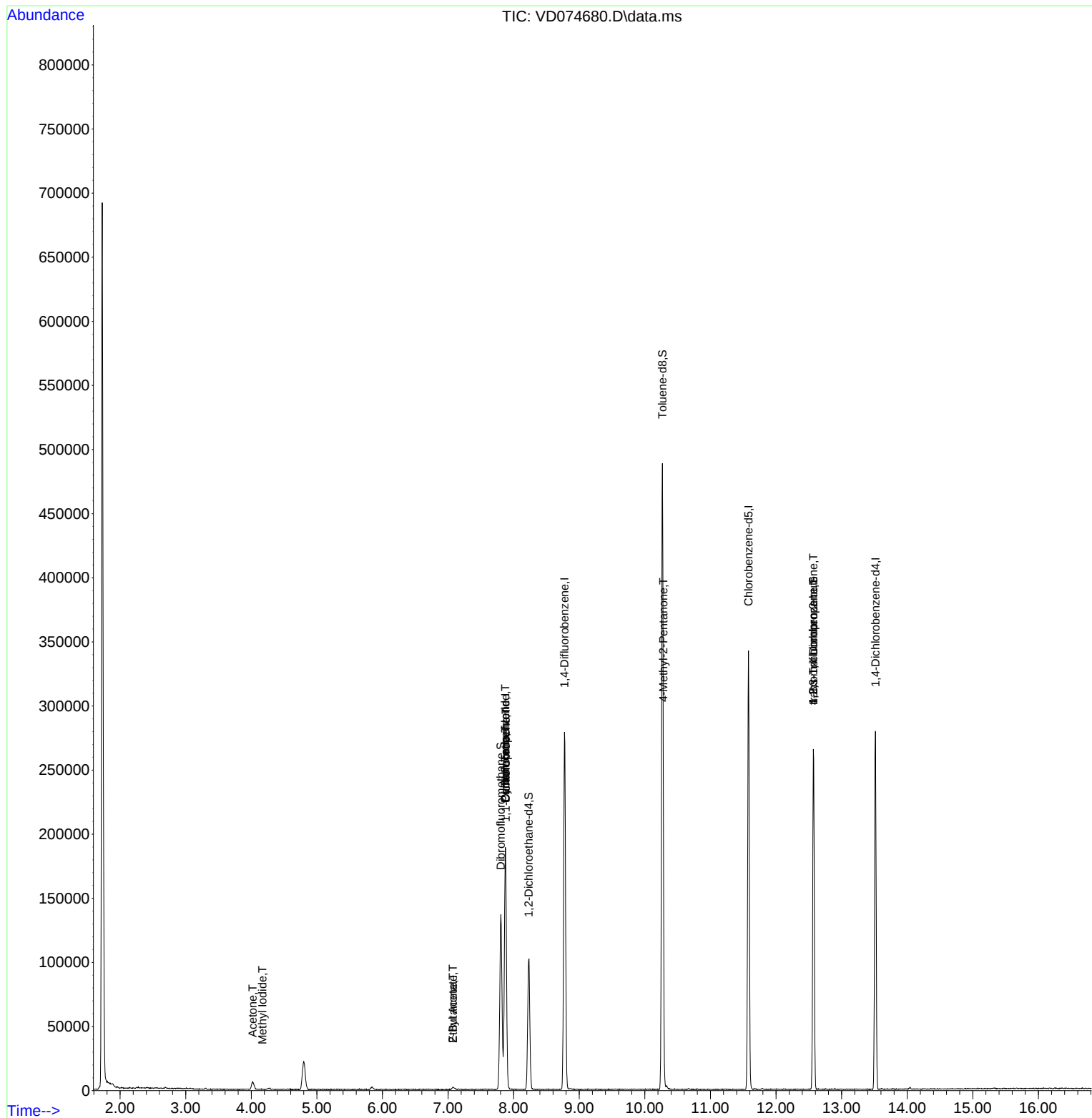
Internal Standards						
1) Pentafluorobenzene	7.875	168	157402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	273446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	211649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80639	60.699	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.400%
35) Dibromofluoromethane	7.805	113	99149	59.380	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.760%
50) Toluene-d8	10.269	98	358046	55.760	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.520%
62) 4-Bromofluorobenzene	12.569	95	84775	48.071	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	375	Below Cal		92
5) Bromomethane	2.699	94	648	Below Cal		97
10) Methyl Iodide	4.169	142	348	5.602 ug/l	#	43
16) Acetone	4.022	43	10610	35.360 ug/l		92
20) Methylene Chloride	4.799	84	19404	Below Cal		91
25) 2-Butanone	7.075	43	2950	1.127 ug/l		94
29) Tetrahydrofuran	7.446	42	120	Below Cal	#	23
31) Cyclohexane	7.875	56	2501	1.027 ug/l	#	9
36) 1,1-Dichloropropene	7.881	75	10332	4.343 ug/l	#	47
37) Ethyl Acetate	7.075	43	2950	3.880 ug/l	#	66
38) Carbon Tetrachloride	7.875	117	15181	6.867 ug/l	#	18
51) 4-Methyl-2-Pentanone	10.281	43	1036	1.465 ug/l	#	1
76) 1,2,3-Trichloropropane	12.569	75	41316	64.747 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.569	75	41316	171.358 ug/l	#	17

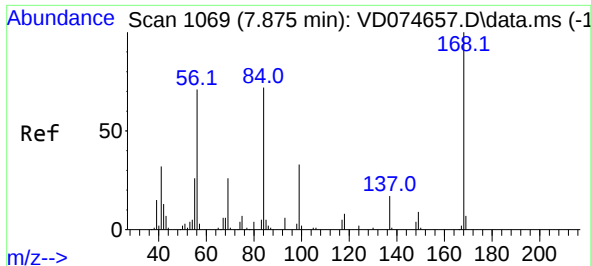
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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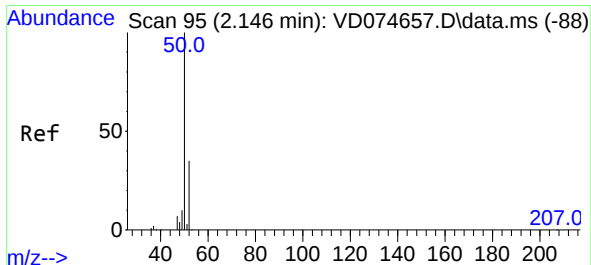
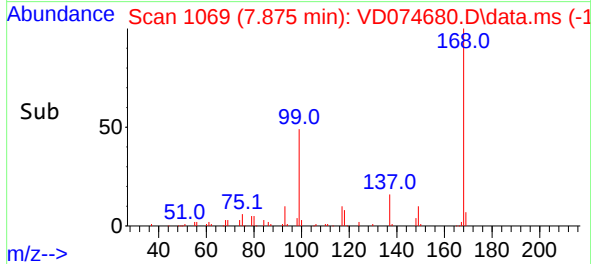
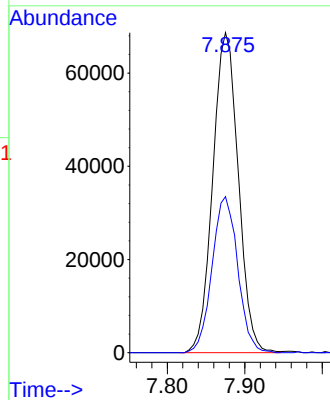
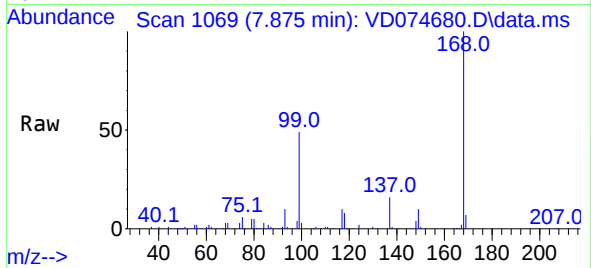




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

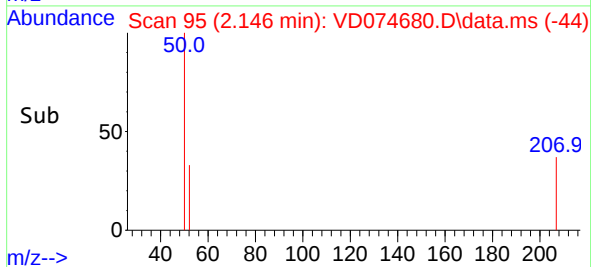
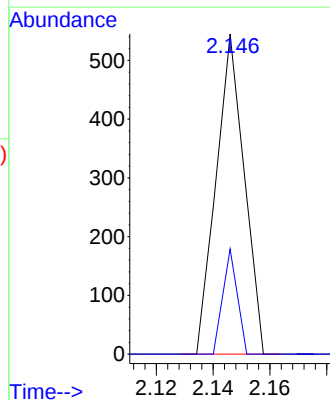
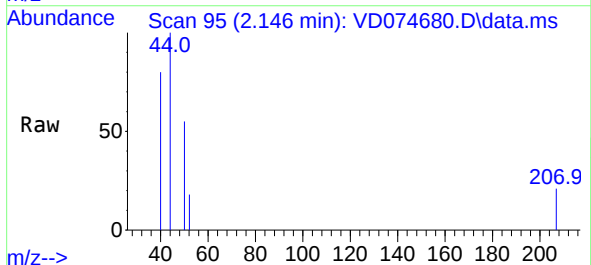
Instrument :
MSVOA_D
ClientSampleId :
MH-3-WC

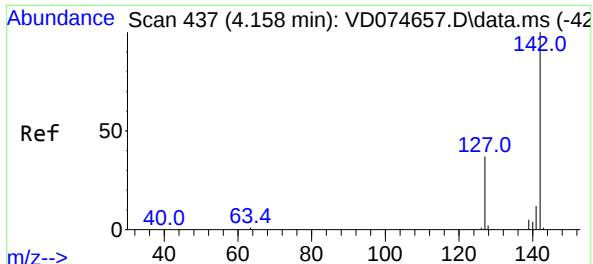
Tgt Ion:168 Resp: 157402
Ion Ratio Lower Upper
168 100
99 48.8 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 50 Resp: 375
Ion Ratio Lower Upper
50 100
52 32.8 30.0 45.0

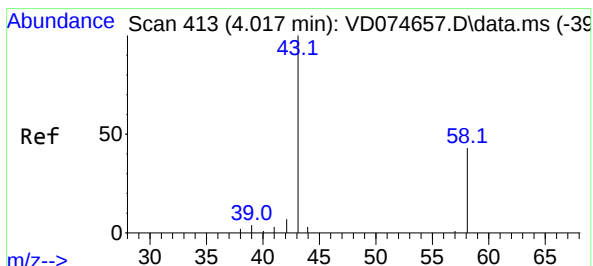
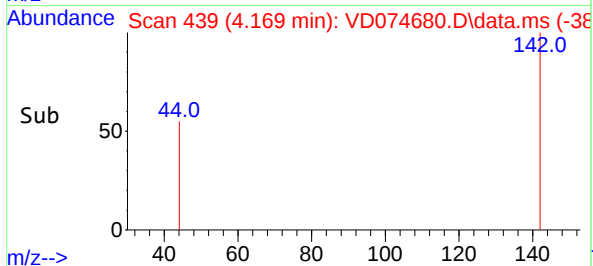
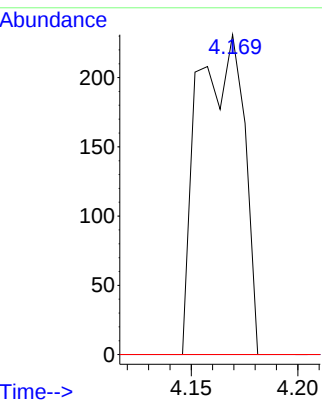
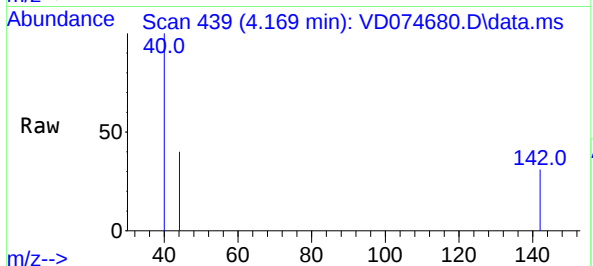




#10
Methyl Iodide
Concen: 5.602 ug/l
RT: 4.169 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

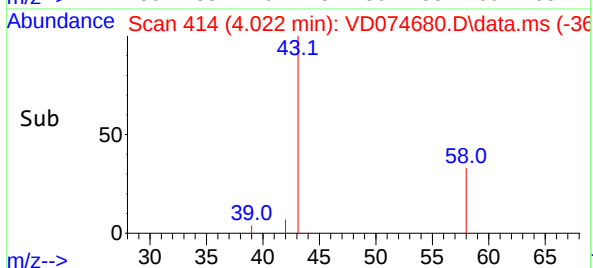
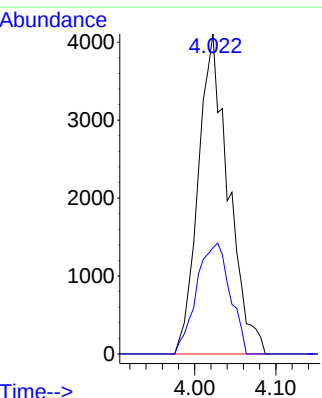
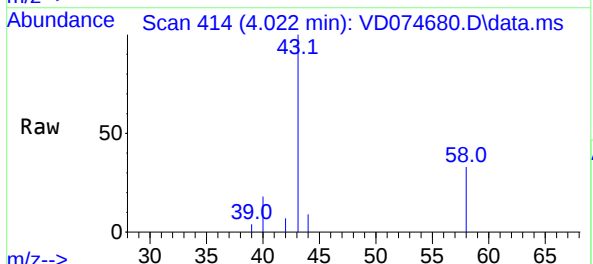
Instrument :
MSVOA_D
ClientSampleId :
MH-3-WC

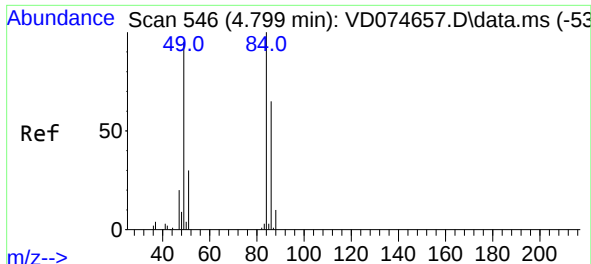
Tgt Ion:142 Resp: 348
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 35.360 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 43 Resp: 10610
Ion Ratio Lower Upper
43 100
58 33.2 30.2 45.2



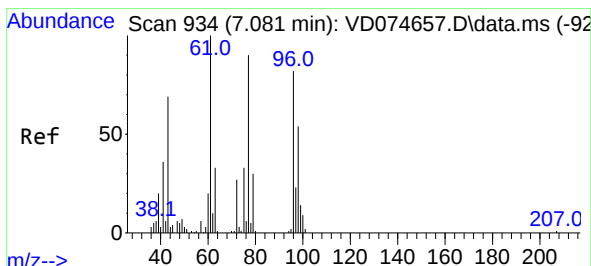
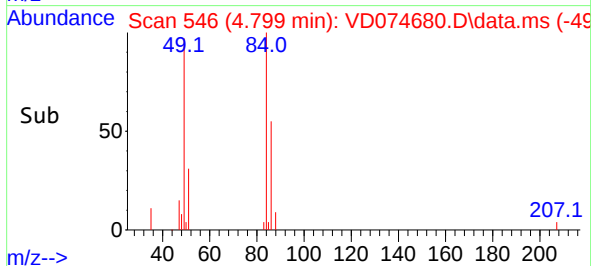
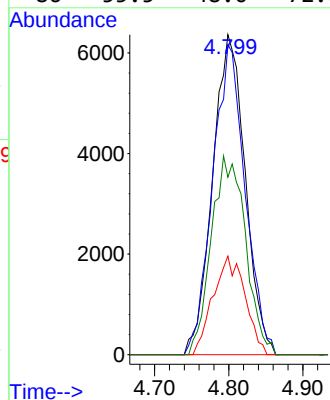
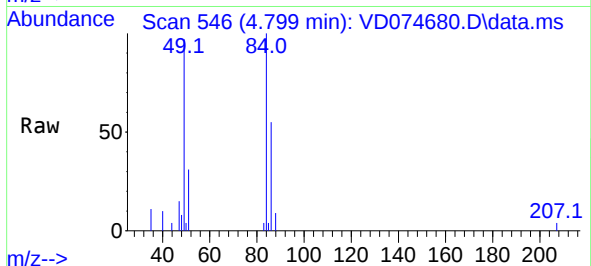


#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

Instrument :
MSVOA_D
ClientSampleId :
MH-3-WC

Tgt Ion: 84 Resp: 19404

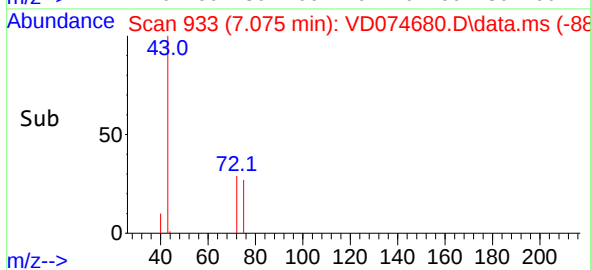
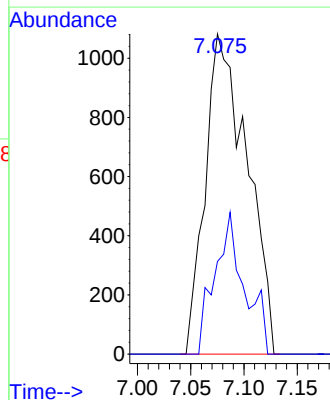
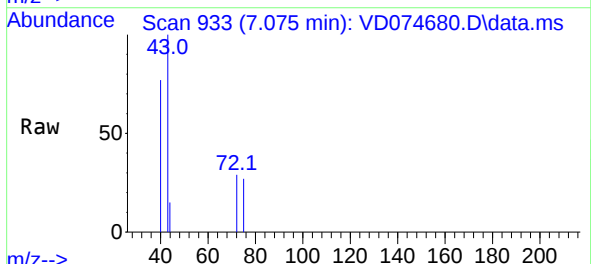
Ion	Ratio	Lower	Upper
84	100		
49	96.8	68.0	102.0
51	30.8	23.2	34.8
86	55.5	48.0	72.0

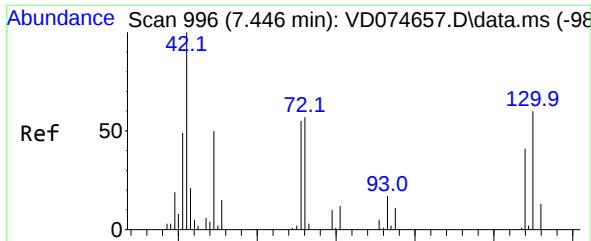


#25
2-Butanone
Concen: 1.127 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 43 Resp: 2950

Ion	Ratio	Lower	Upper
43	100		
72	28.9	25.8	38.8

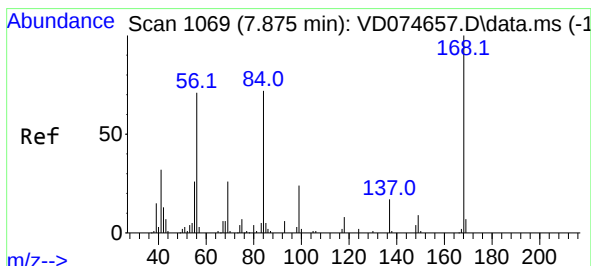
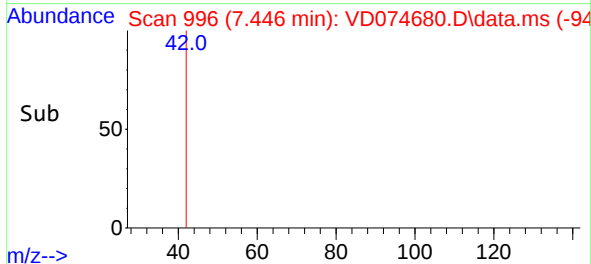
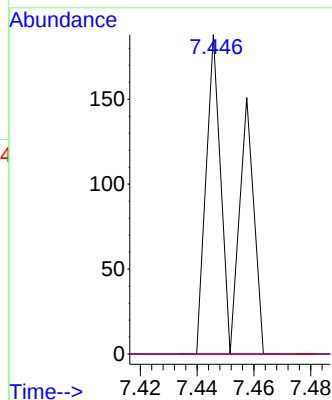
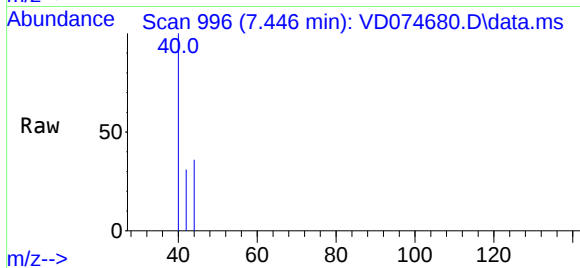




#29
Tetrahydrofuran
Concen: Below Cal
RT: 7.446 min Scan# 996
Delta R.T. -0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

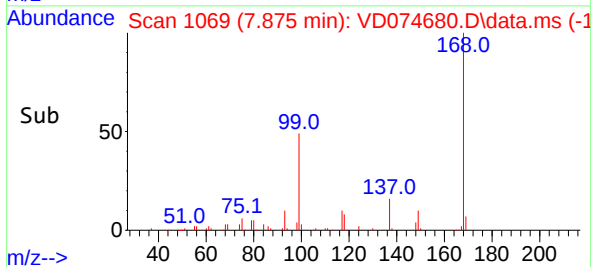
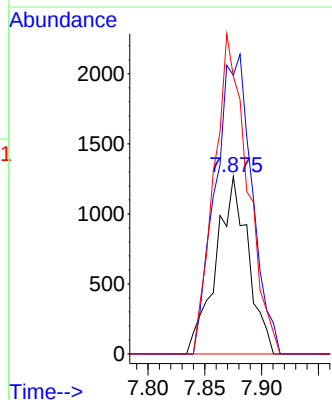
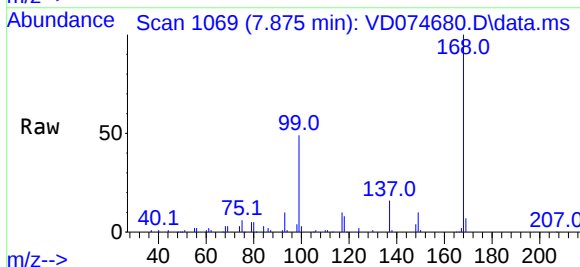
Instrument :
MSVOA_D
ClientSampleId :
MH-3-WC

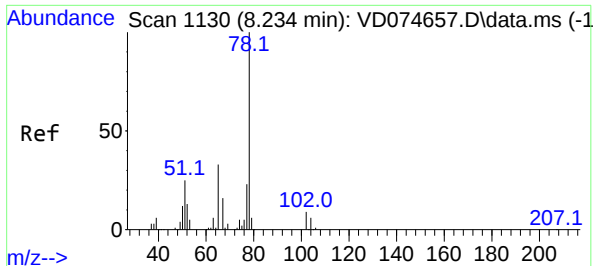
Tgt Ion: 42 Resp: 120
Ion Ratio Lower Upper
42 100
72 0.0 45.8 68.6#
71 0.0 44.6 66.8#



#31
Cyclohexane
Concen: 1.027 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 56 Resp: 2501
Ion Ratio Lower Upper
56 100
69 157.1 29.2 43.8#
84 156.5 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 60.699 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074680.D

Acq: 28 Oct 2022 19:10

Instrument :

MSVOA_D

ClientSampleId :

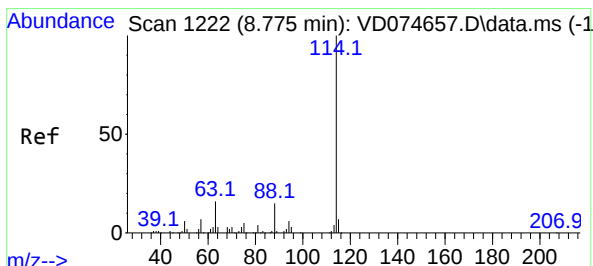
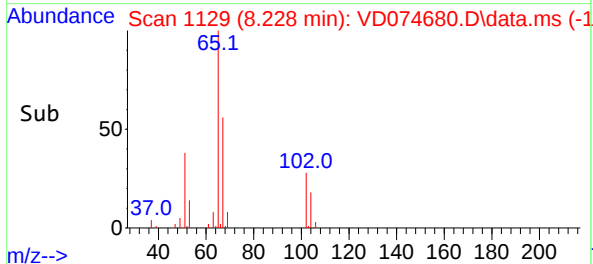
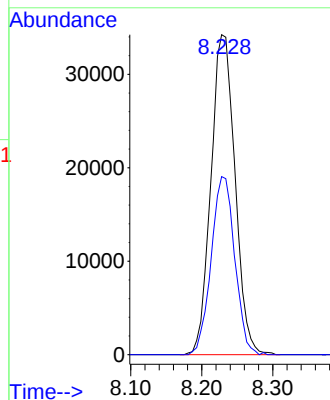
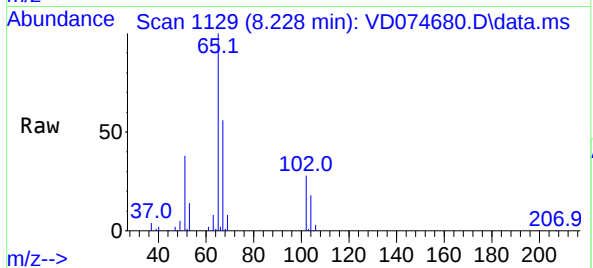
MH-3-WC

Tgt Ion: 65 Resp: 80639

Ion Ratio Lower Upper

65 100

67 54.3 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074680.D

Acq: 28 Oct 2022 19:10

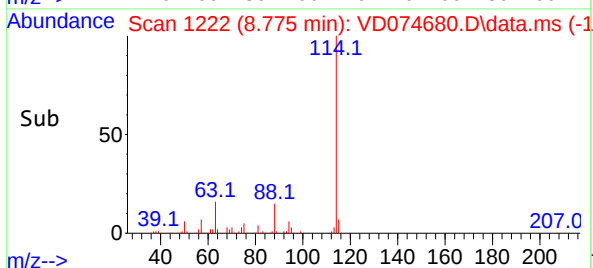
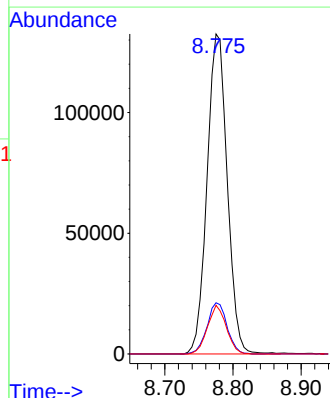
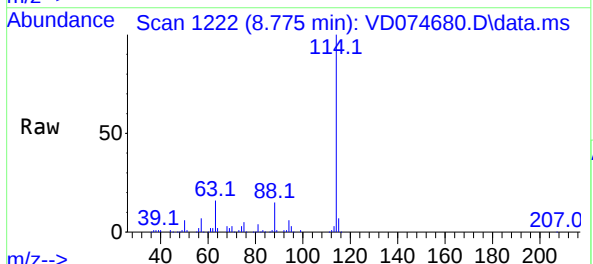
Tgt Ion: 114 Resp: 273446

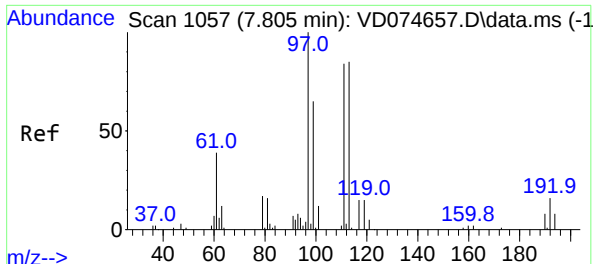
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.2

88 15.2 0.0 28.2

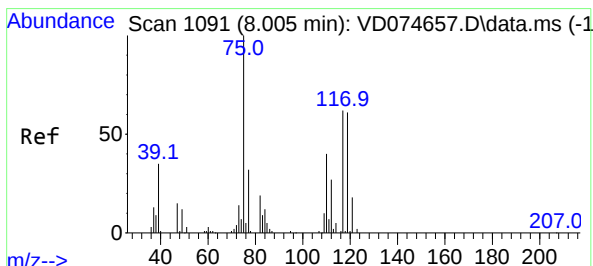
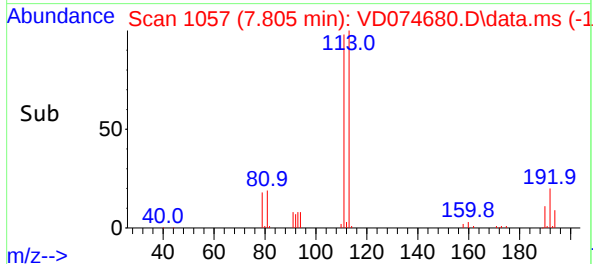
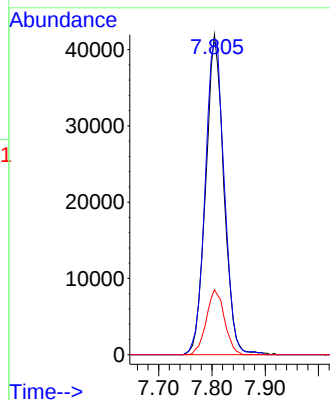
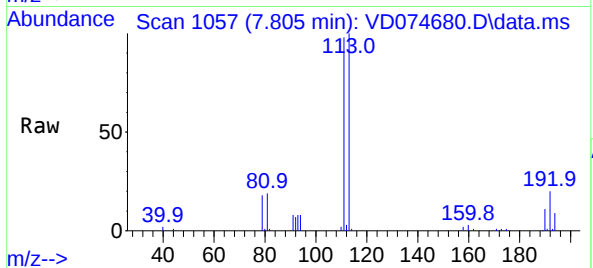




#35
Dibromofluoromethane
Concen: 59.380 ug/l
RT: 7.805 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

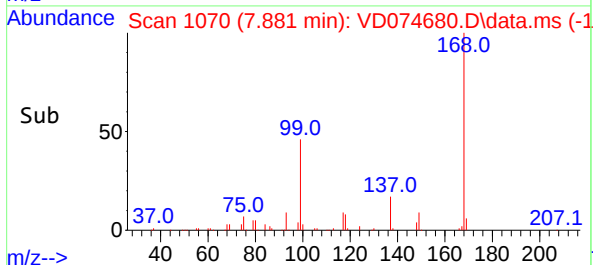
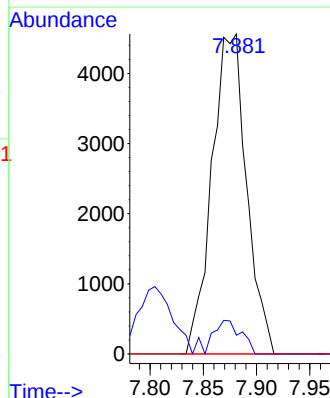
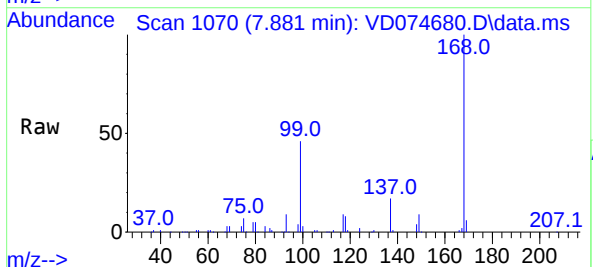
Instrument :
MSVOA_D
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MH-3-WC

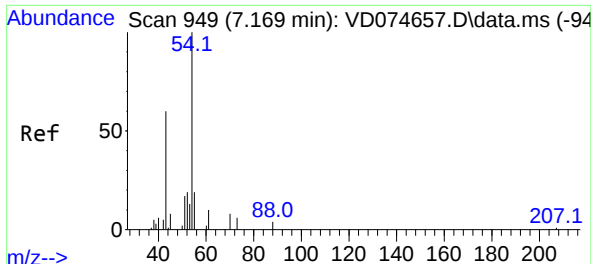
Tgt Ion:	113	Resp:	99149
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.3	123.5
192	20.3	16.4	24.6



#36
1,1-Dichloropropene
Concen: 4.343 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

Tgt Ion:	75	Resp:	10332
Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.7	59.0#
77	0.0	25.4	38.2#





#37

Ethyl Acetate

Concen: 3.880 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

Lab File: VD074680.D

Acq: 28 Oct 2022 19:10

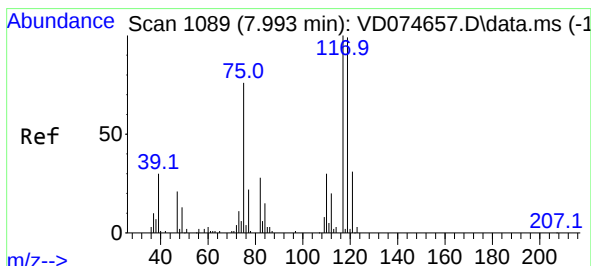
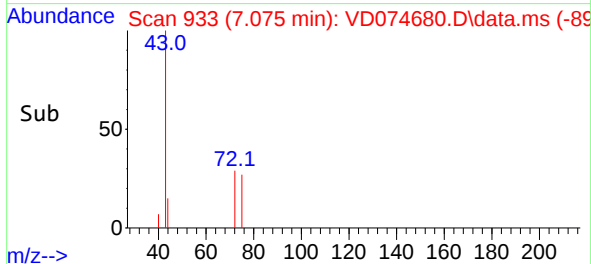
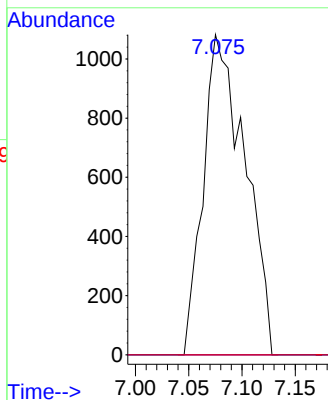
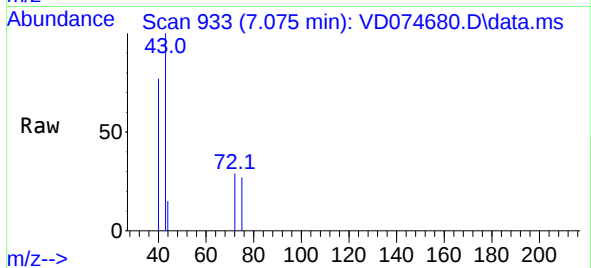
Instrument :

MSVOA_D

ClientSampleId :

MH-3-WC

Tgt Ion:	43	Resp:	2950
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.4#
70	0.0	9.6	14.4#



#38

Carbon Tetrachloride

Concen: 6.867 ug/l

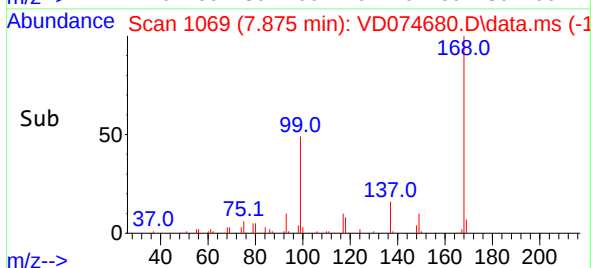
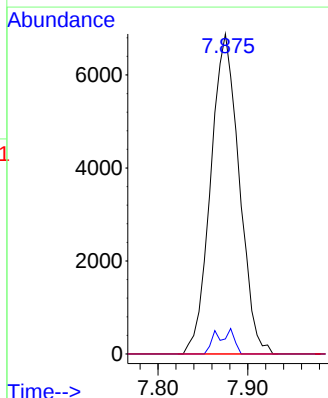
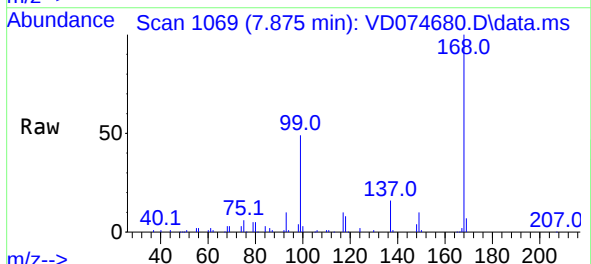
RT: 7.875 min Scan# 1069

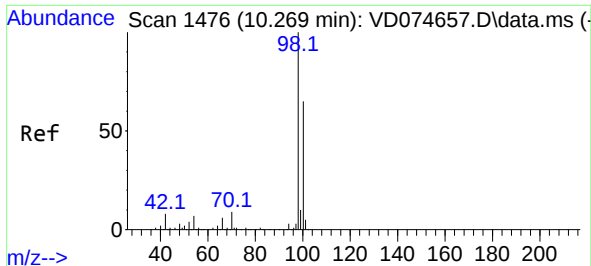
Delta R.T. -0.118 min

Lab File: VD074680.D

Acq: 28 Oct 2022 19:10

Tgt Ion:	117	Resp:	15181
Ion	Ratio	Lower	Upper
117	100		
119	4.7	73.1	109.7#
121	0.0	25.0	37.6#

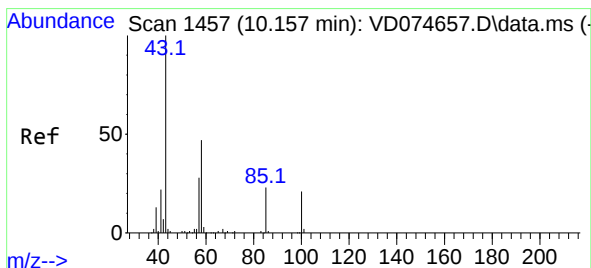
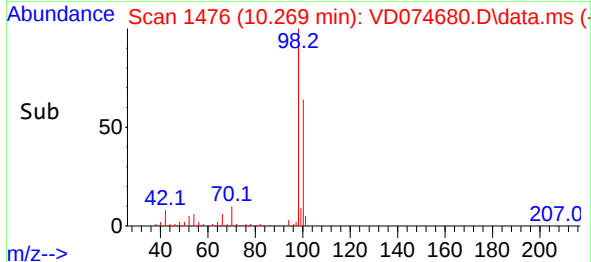
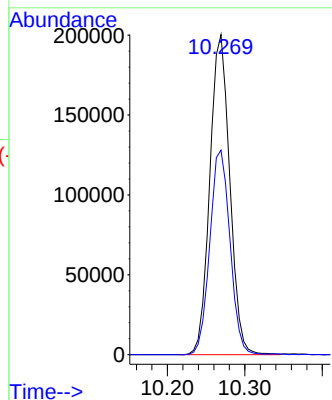
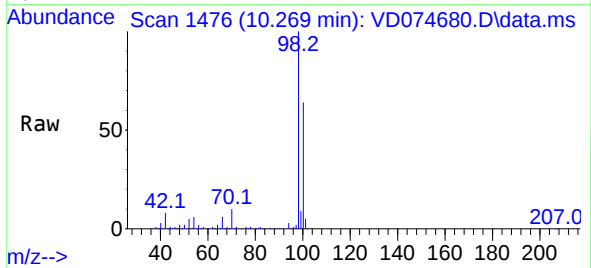




#50
Toluene-d8
Concen: 55.760 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

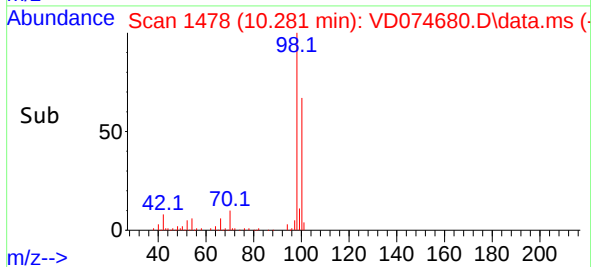
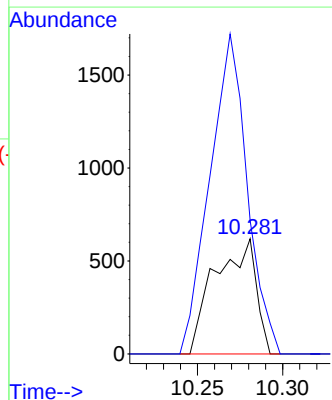
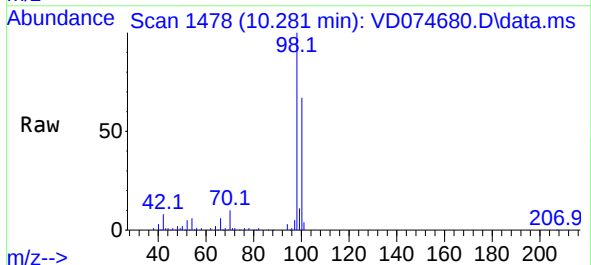
Instrument :
MSVOA_D
ClientSampleId :
MH-3-WC

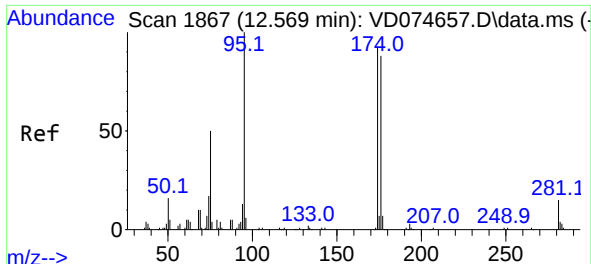
Tgt Ion: 98 Resp: 358046
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.465 ug/l
RT: 10.281 min Scan# 1478
Delta R.T. 0.124 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
58 253.3 37.8 56.6#

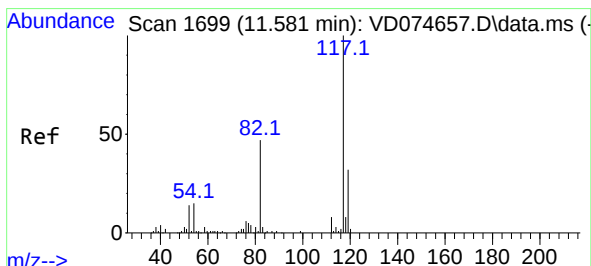
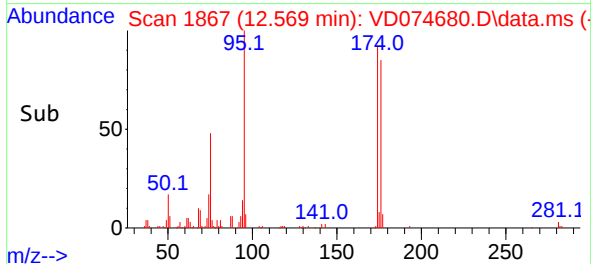
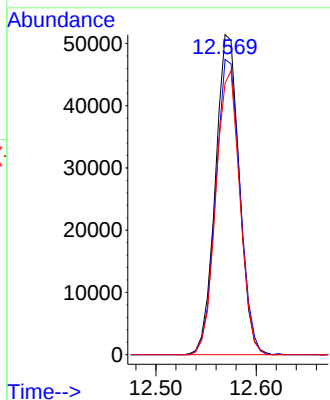
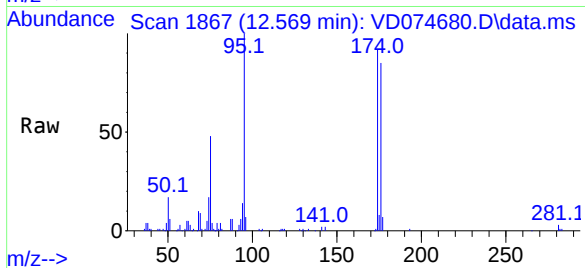




#62
4-Bromofluorobenzene
Concen: 48.071 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

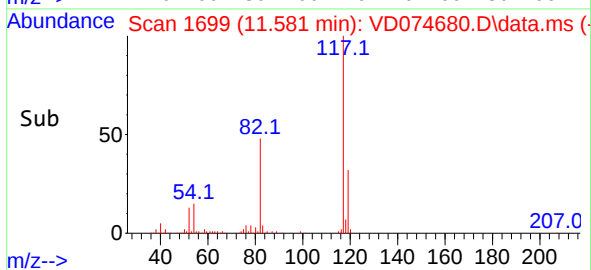
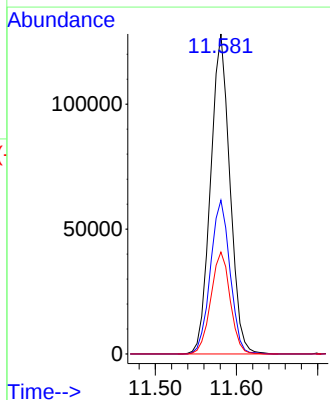
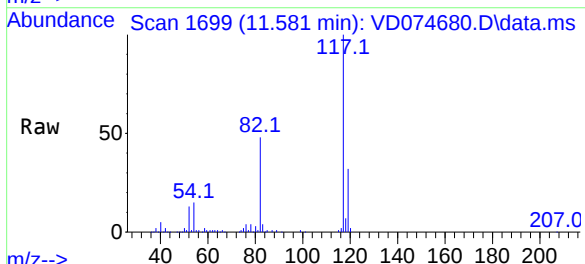
Instrument :
MSVOA_D
ClientSampleId :
MH-3-WC

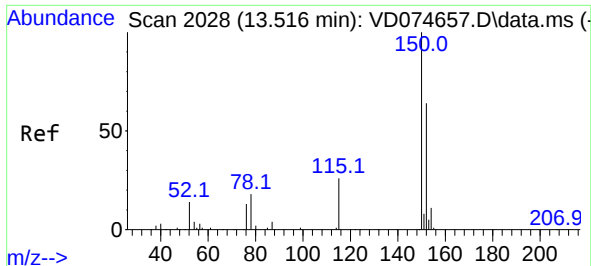
Tgt Ion: 95 Resp: 84775
Ion Ratio Lower Upper
95 100
174 94.6 0.0 197.0
176 89.1 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

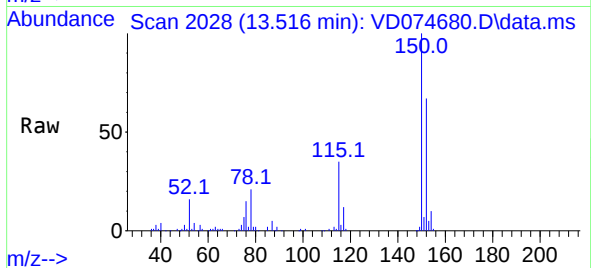
Tgt Ion: 117 Resp: 211649
Ion Ratio Lower Upper
117 100
82 48.0 41.6 62.4
119 31.9 25.2 37.8



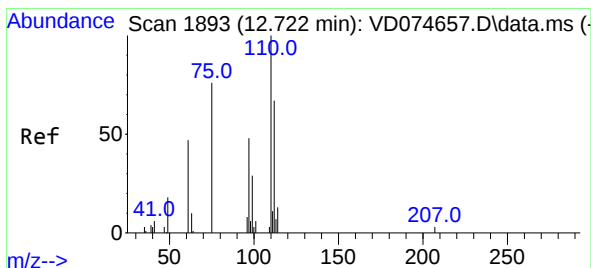
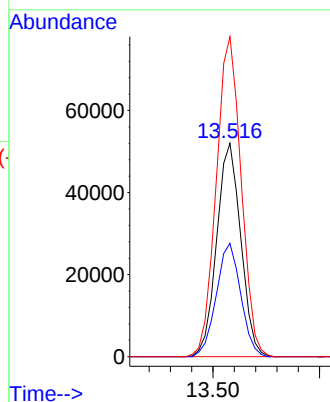
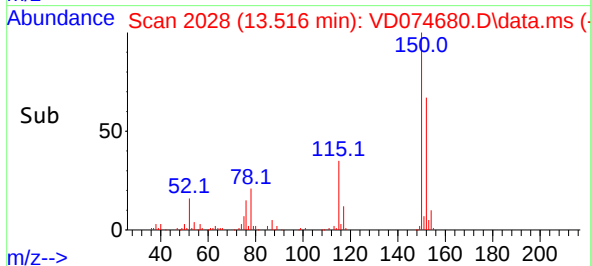


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10

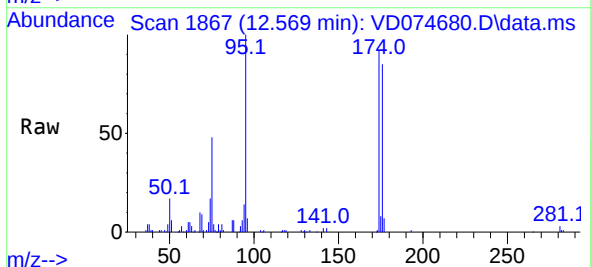
Instrument :
MSVOA_D
ClientSampleId :
MH-3-WC



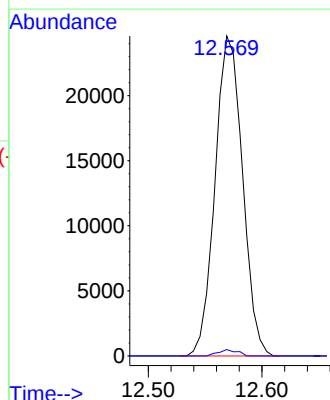
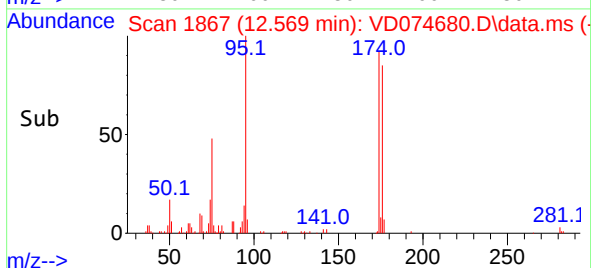
Tgt Ion:152 Resp: 81589
Ion Ratio Lower Upper
152 100
115 53.9 26.8 80.4
150 154.6 0.0 348.2

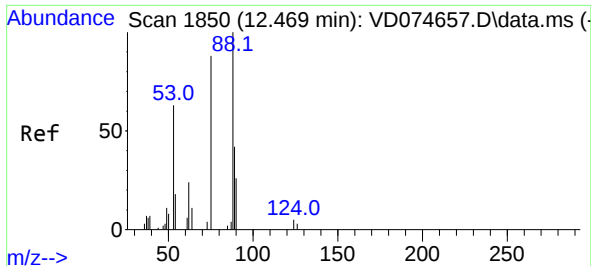


#76
1,2,3-Trichloropropane
Concen: 64.747 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074680.D
Acq: 28 Oct 2022 19:10



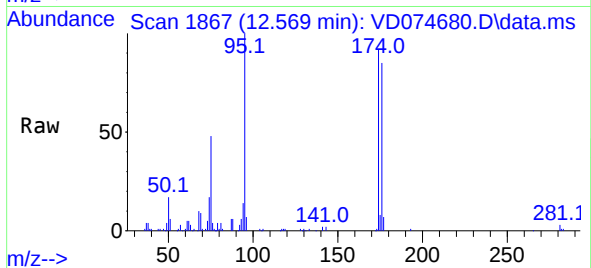
Tgt Ion: 75 Resp: 41316
Ion Ratio Lower Upper
75 100
77 1.4 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.358 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074680.D
 Acq: 28 Oct 2022 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-3-WC



Tgt Ion:	75	Resp:	41316
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

