

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074681.D
 Acq On : 28 Oct 2022 19:37
 Operator : VA/SY
 Sample : N5284-01
 Misc : 5.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1-WC

Quant Time: Oct 29 02:16:26 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)

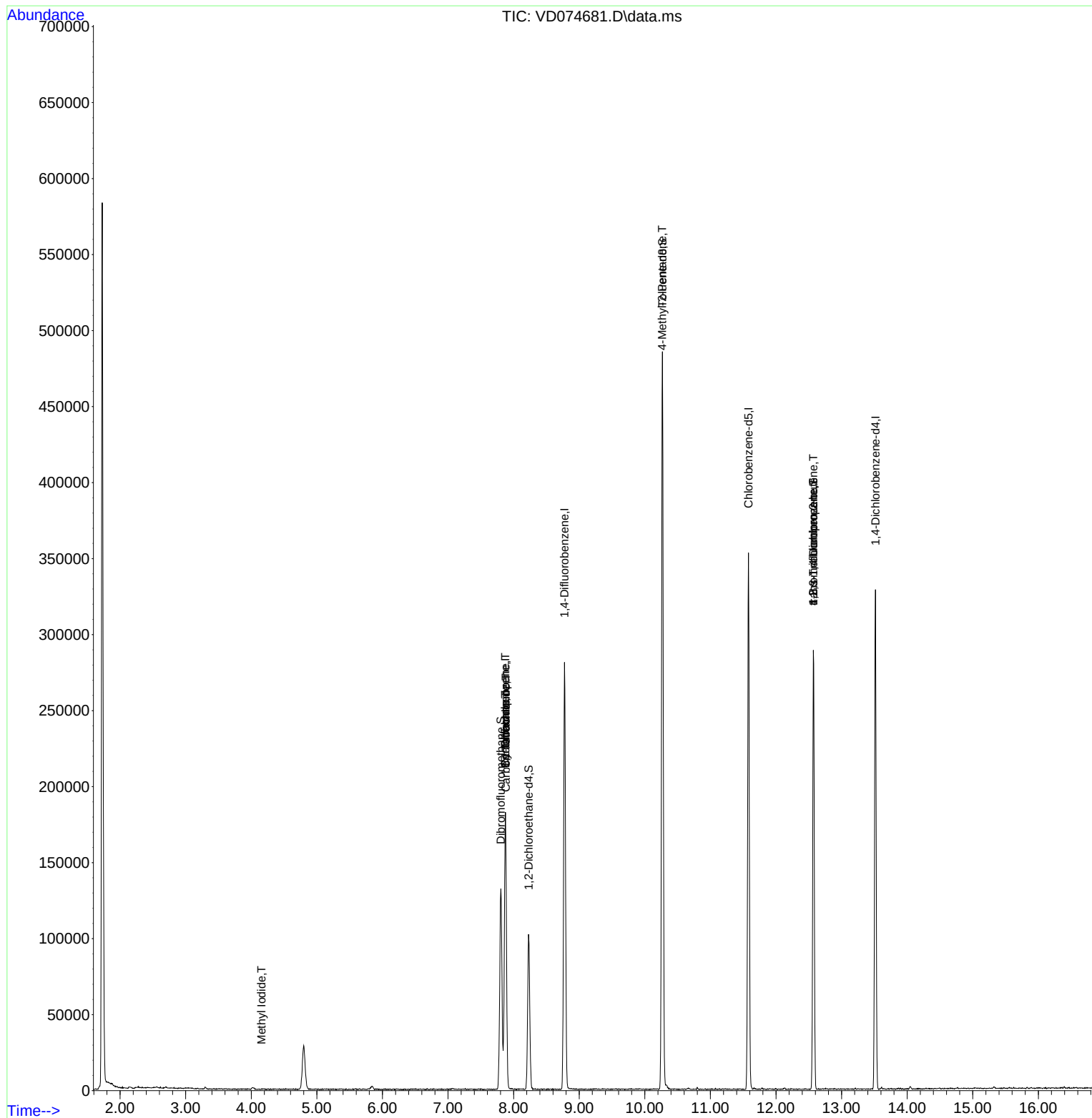
Internal Standards						
1) Pentafluorobenzene	7.875	168	150092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	274628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	222177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	78451	61.928	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.860%	
35) Dibromofluoromethane	7.805	113	97521	58.154	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.300%	
50) Toluene-d8	10.269	98	359337	55.720	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.440%	
62) 4-Bromofluorobenzene	12.569	95	89796	50.699	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.400%	
Target Compounds						
						Qvalue
3) Chloromethane	2.140	50	537	Below Cal	#	37
5) Bromomethane	2.705	94	587	Below Cal	#	56
10) Methyl Iodide	4.158	142	53	5.482	ug/l #	43
16) Acetone	4.017	43	1647	Below Cal	#	81
18) Methyl Acetate	4.805	43	55	Below Cal	#	44
20) Methylene Chloride	4.799	84	24588	Below Cal		90
25) 2-Butanone	7.093	43	197	Below Cal	#	42
29) Tetrahydrofuran	7.446	42	111	Below Cal	#	23
31) Cyclohexane	7.875	56	2540	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	10473	4.383	ug/l #	47
38) Carbon Tetrachloride	7.881	117	13442	6.054	ug/l #	18
51) 4-Methyl-2-Pentanone	10.263	43	1167	1.643	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	43713	60.186	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	43713	159.286	ug/l #	17

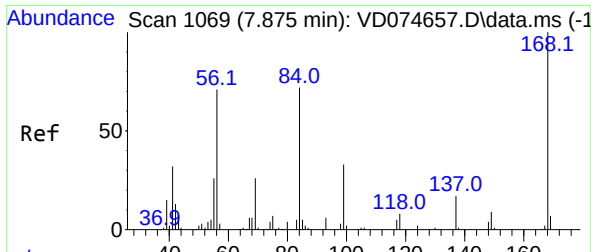
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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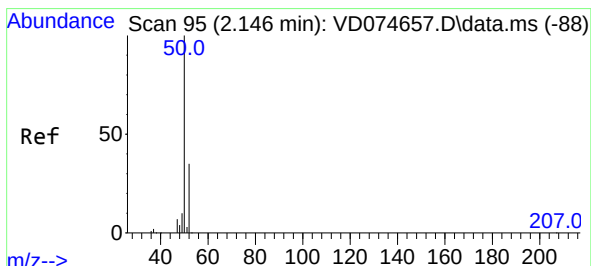
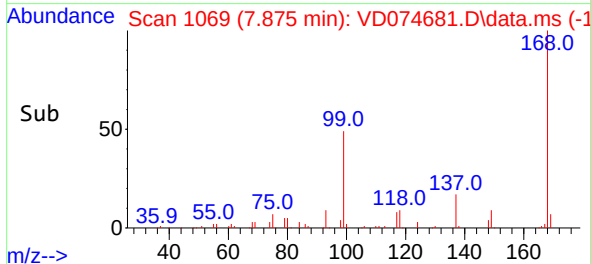
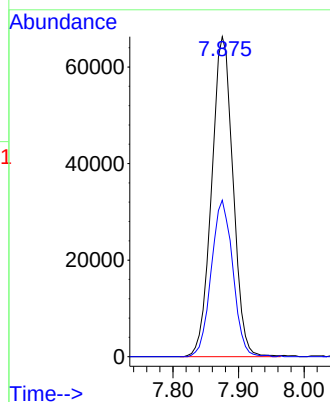
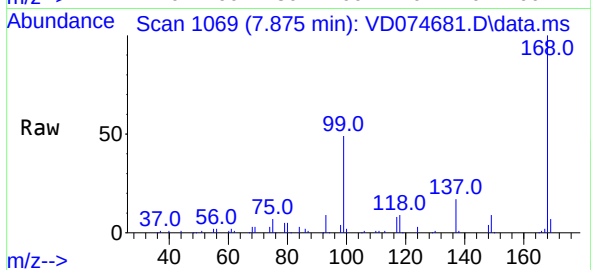




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

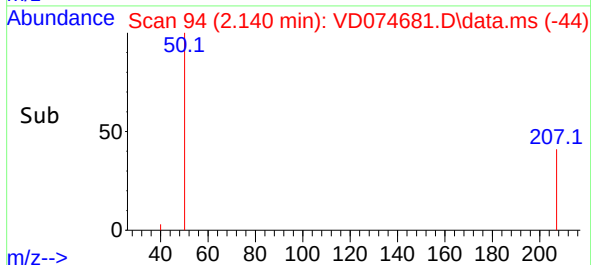
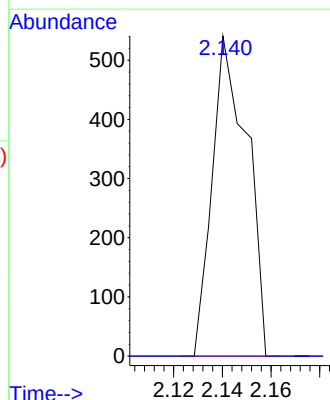
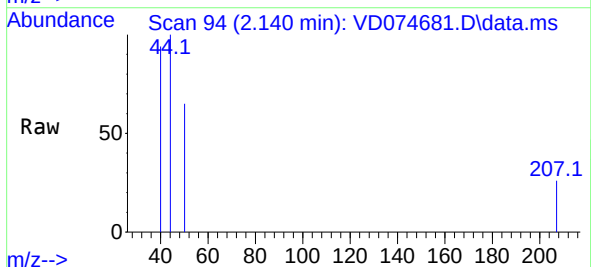
Instrument :
MSVOA_D
ClientSampleId :
MH-1-WC

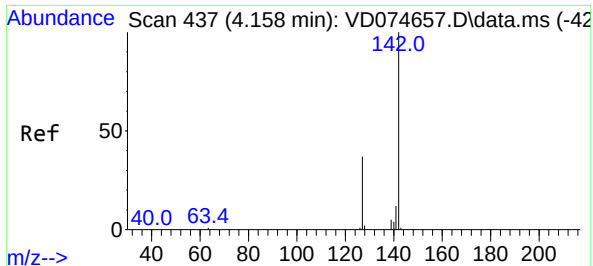
Tgt Ion:168 Resp: 150092
Ion Ratio Lower Upper
168 100
99 48.9 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Tgt Ion: 50 Resp: 537
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

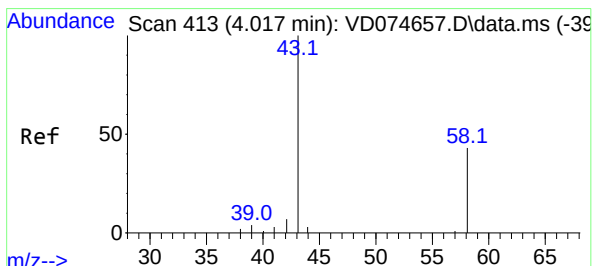
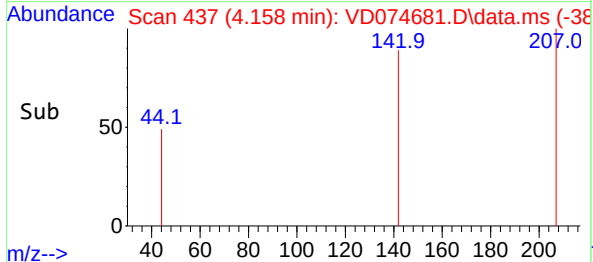
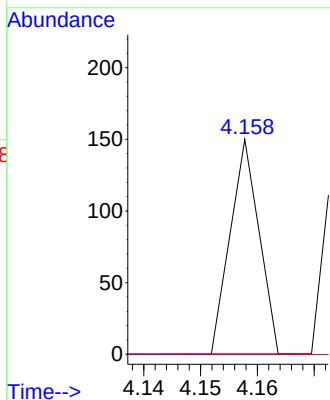
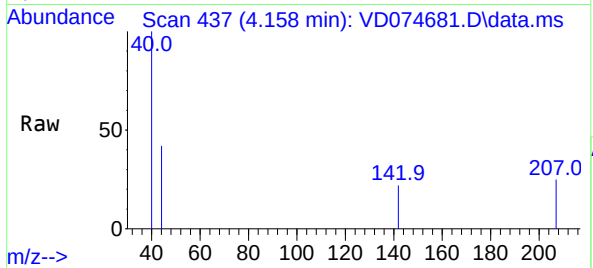




#10
Methyl Iodide
Concen: 5.482 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

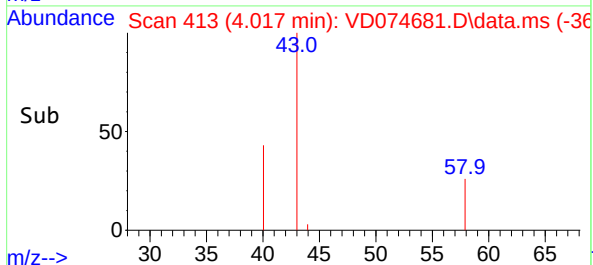
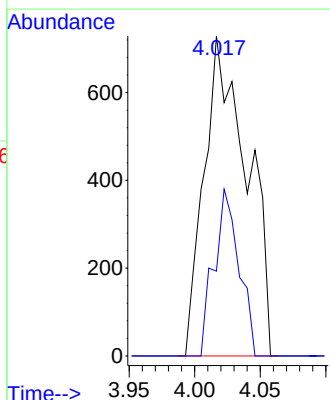
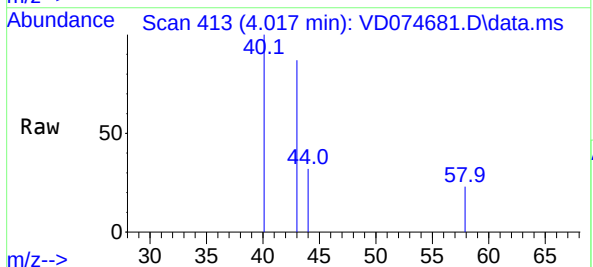
Instrument :
MSVOA_D
ClientSampleId :
MH-1-WC

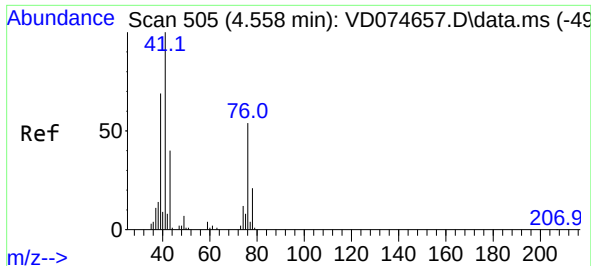
Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 26.5 30.2 45.2#

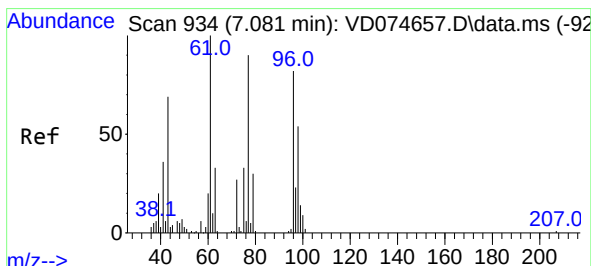
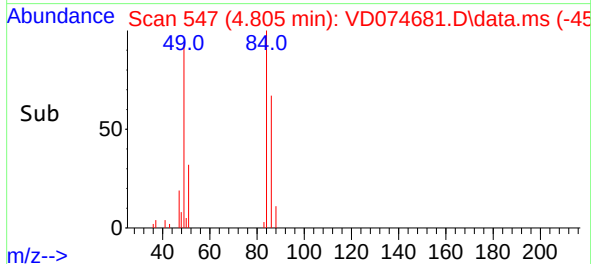
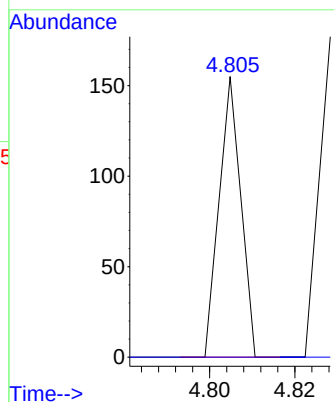
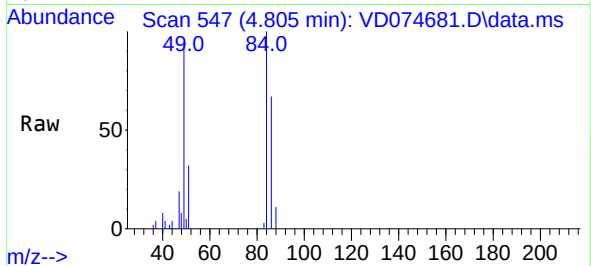




#18
Methyl Acetate
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. 0.247 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

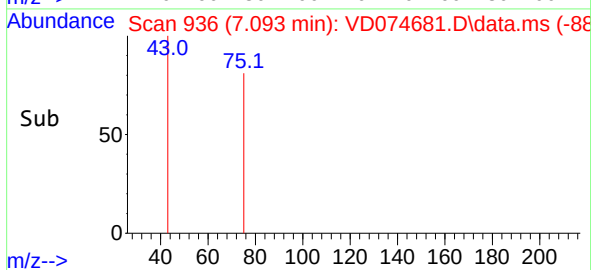
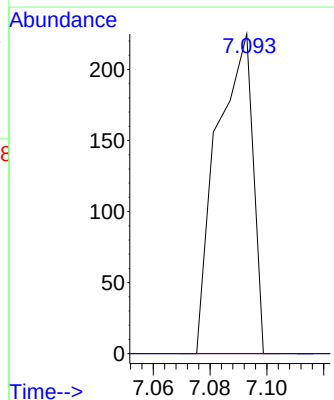
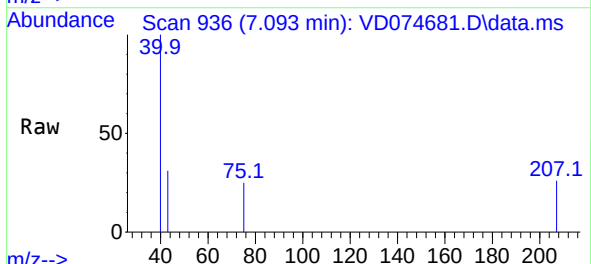
Instrument :
MSVOA_D
ClientSampleId :
MH-1-WC

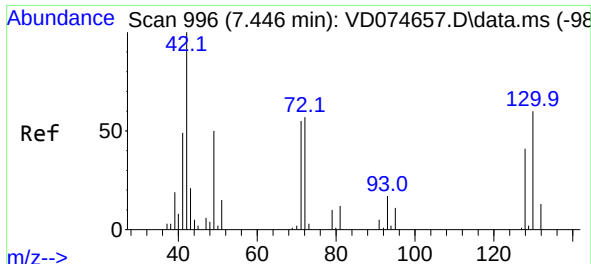
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



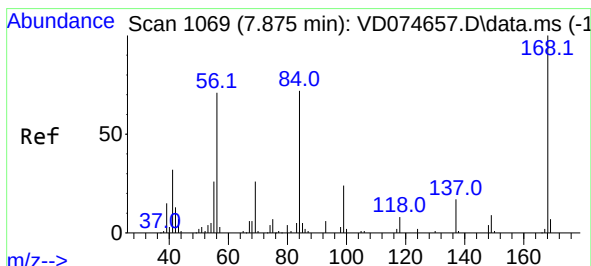
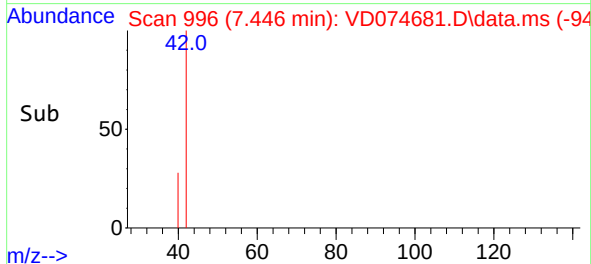
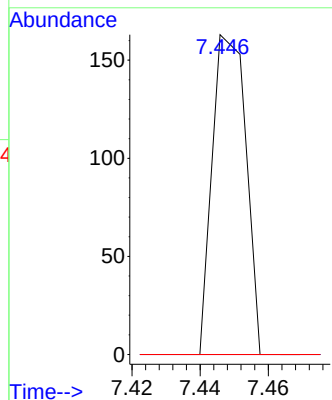
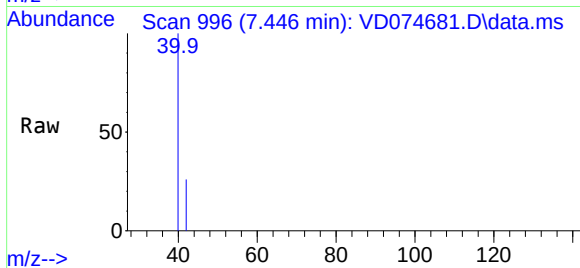


#29
Tetrahydrofuran
Concen: Below Cal
RT: 7.446 min Scan# 996
Delta R.T. -0.000 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Instrument :
MSVOA_D
ClientSampleId :
MH-1-WC

Tgt Ion: 42 Resp: 111

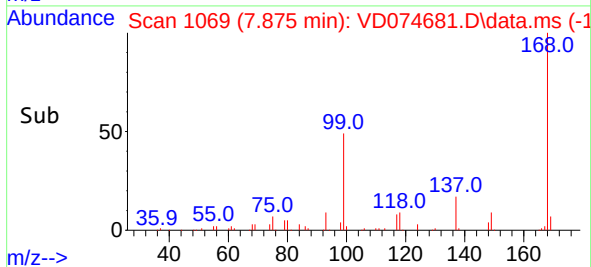
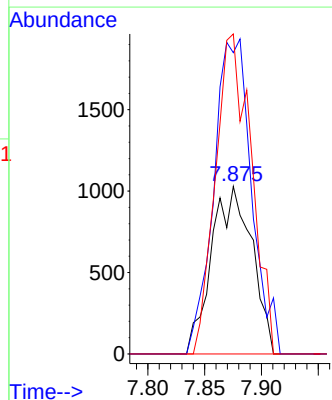
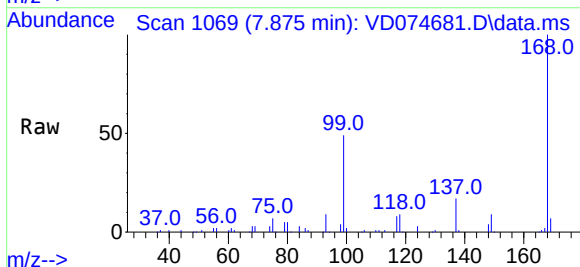
Ion	Ratio	Lower	Upper
42	100		
72	0.0	45.8	68.6#
71	0.0	44.6	66.8#

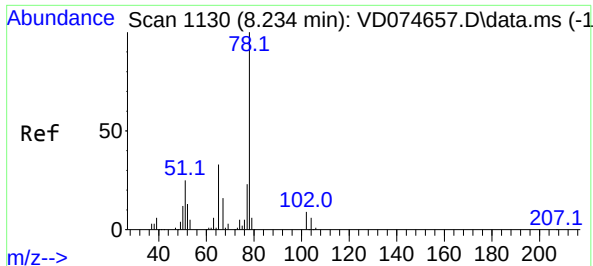


#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Tgt Ion: 56 Resp: 2540

Ion	Ratio	Lower	Upper
56	100		
69	179.8	29.2	43.8#
84	191.0	83.4	125.2#





#33

1,2-Dichloroethane-d4

Concen: 61.928 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074681.D

Acq: 28 Oct 2022 19:37

Instrument :

MSVOA_D

ClientSampleId :

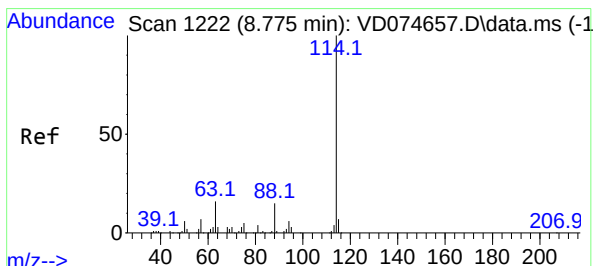
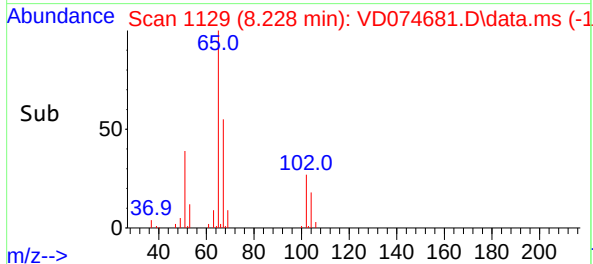
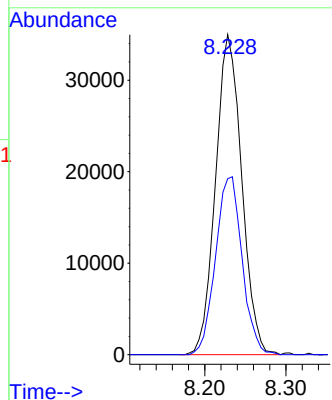
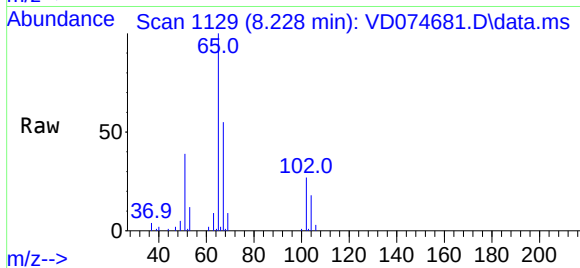
MH-1-WC

Tgt Ion: 65 Resp: 78451

Ion Ratio Lower Upper

65 100

67 56.4 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: VD074681.D

Acq: 28 Oct 2022 19:37

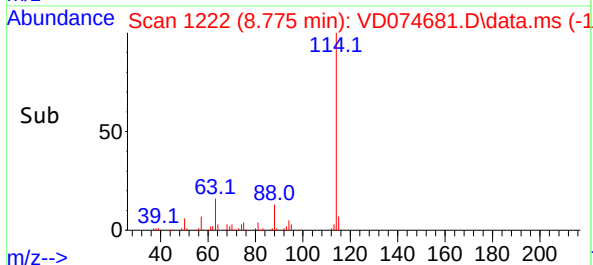
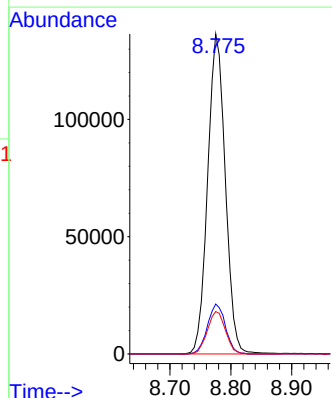
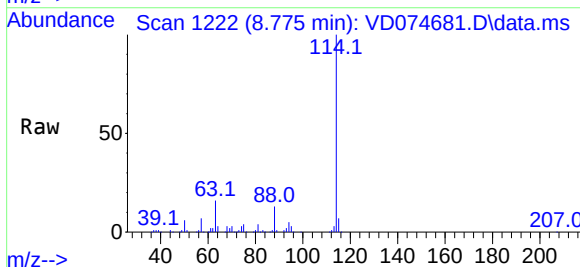
Tgt Ion: 114 Resp: 274628

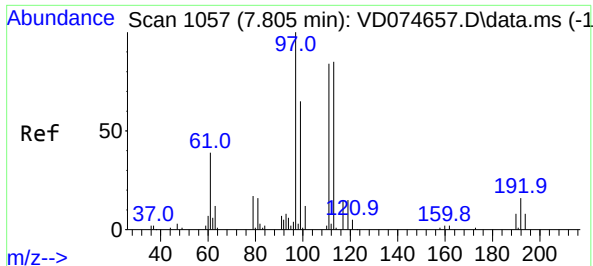
Ion Ratio Lower Upper

114 100

63 15.6 0.0 33.2

88 13.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 58.154 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074681.D

Acq: 28 Oct 2022 19:37

Instrument :

MSVOA_D

ClientSampleId :

MH-1-WC

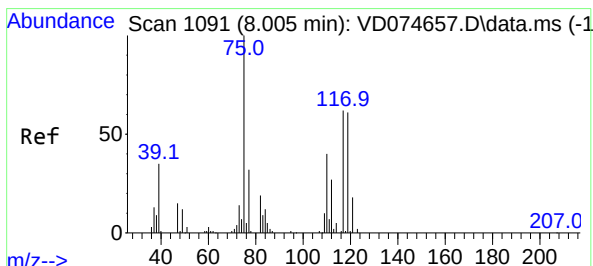
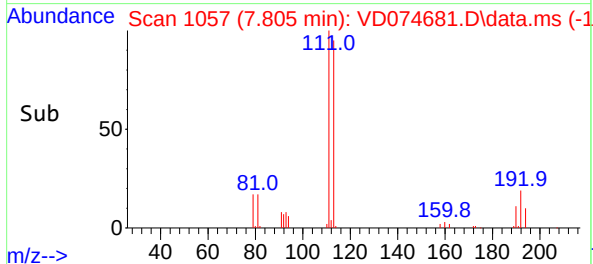
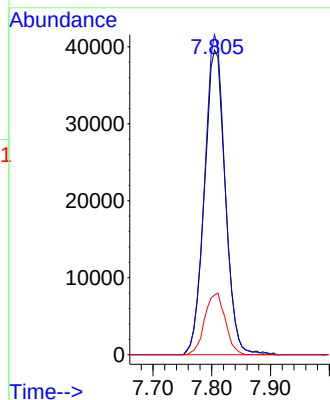
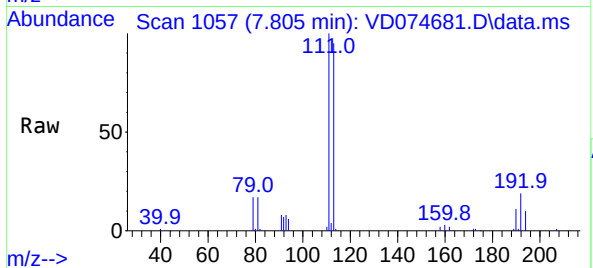
Tgt Ion:113 Resp: 97521

Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

192 19.9 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.383 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074681.D

Acq: 28 Oct 2022 19:37

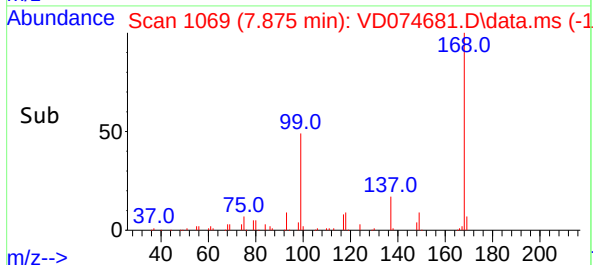
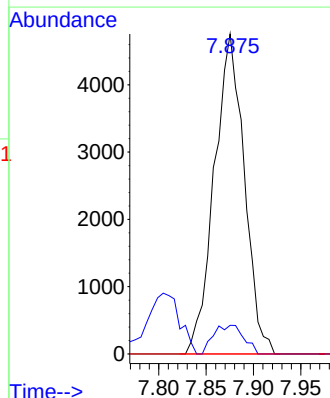
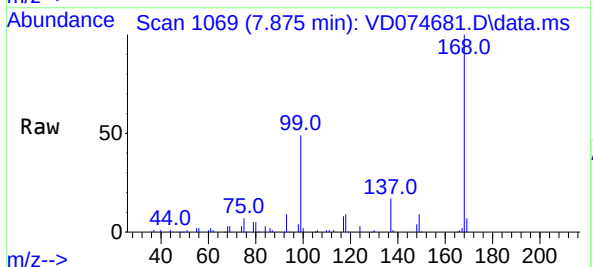
Tgt Ion: 75 Resp: 10473

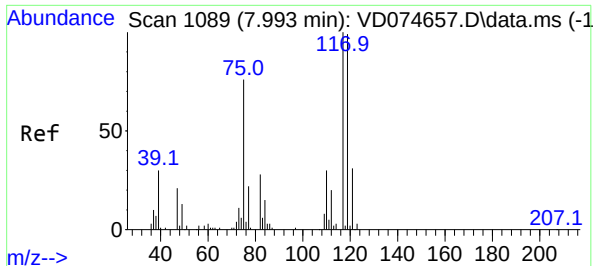
Ion Ratio Lower Upper

75 100

110 9.1 19.7 59.0#

77 0.0 25.4 38.2#

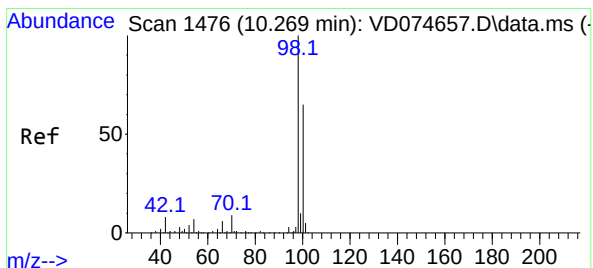
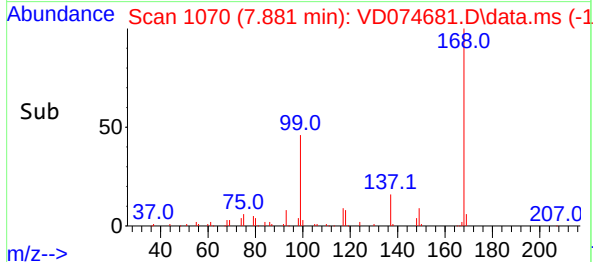
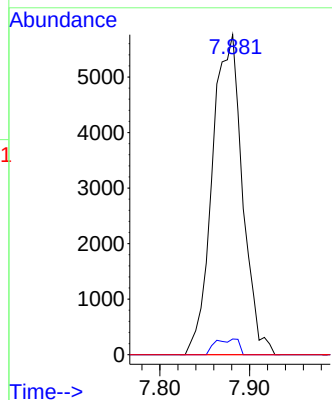
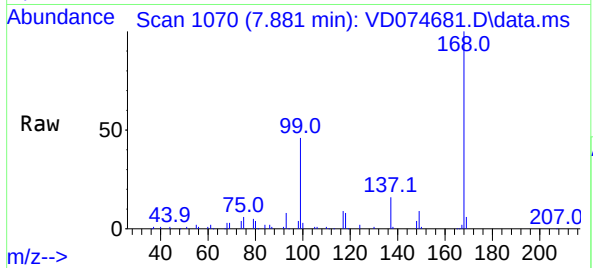




#38
Carbon Tetrachloride
Concen: 6.054 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

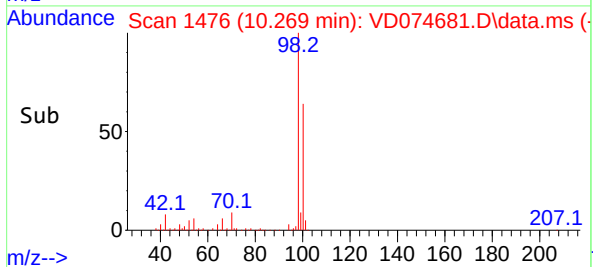
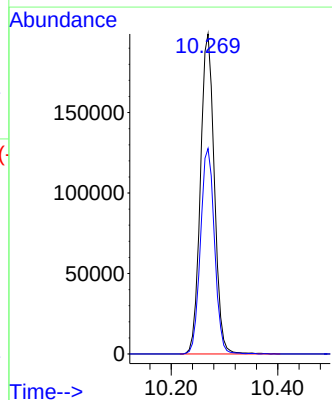
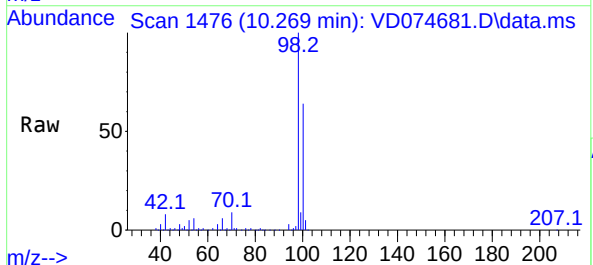
Instrument :
MSVOA_D
ClientSampleId :
MH-1-WC

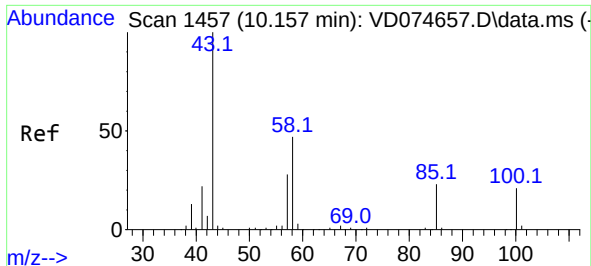
Tgt Ion:117 Resp: 13442
Ion Ratio Lower Upper
117 100
119 4.9 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 55.720 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Tgt Ion: 98 Resp: 359337
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0

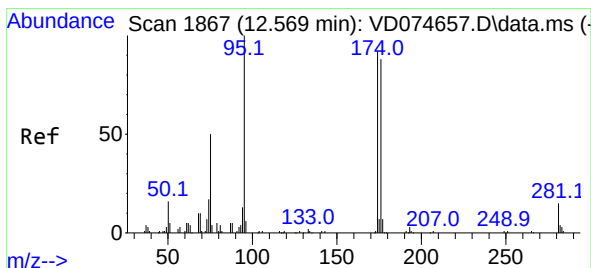
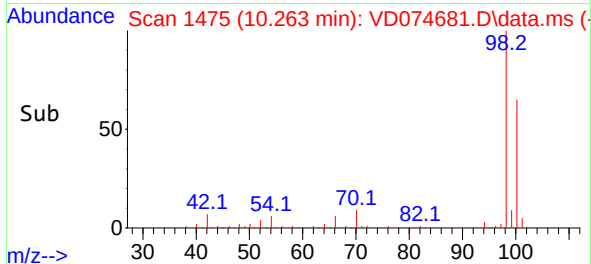
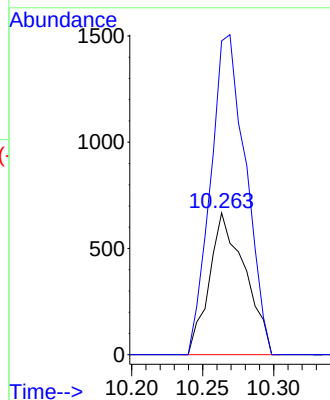
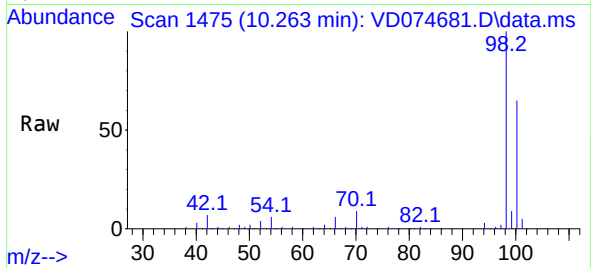




#51
4-Methyl-2-Pentanone
Concen: 1.643 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

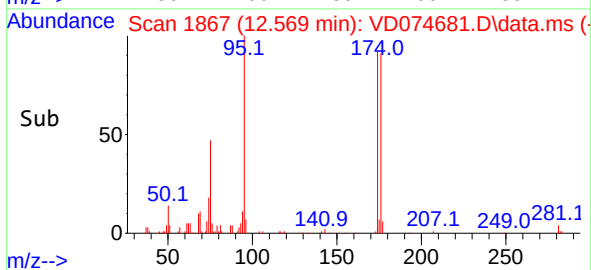
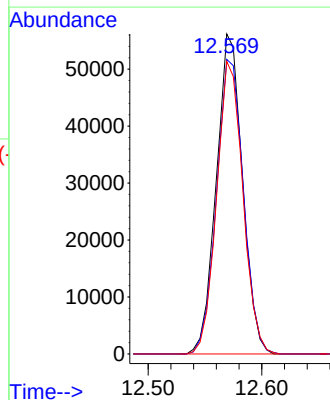
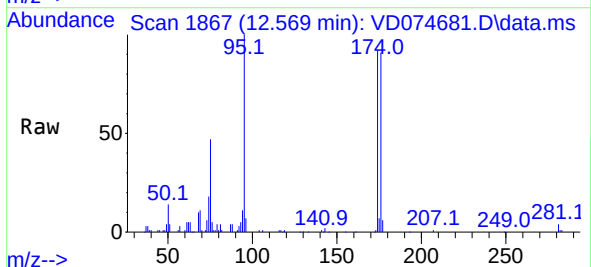
Instrument :
MSVOA_D
ClientSampleId :
MH-1-WC

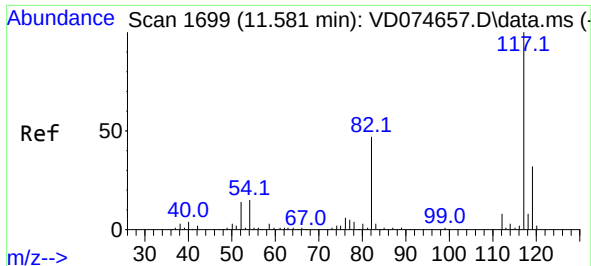
Tgt Ion: 43 Resp: 1167
Ion Ratio Lower Upper
43 100
58 223.0 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 50.699 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Tgt Ion: 95 Resp: 89796
Ion Ratio Lower Upper
95 100
174 94.8 0.0 197.0
176 91.6 0.0 182.6

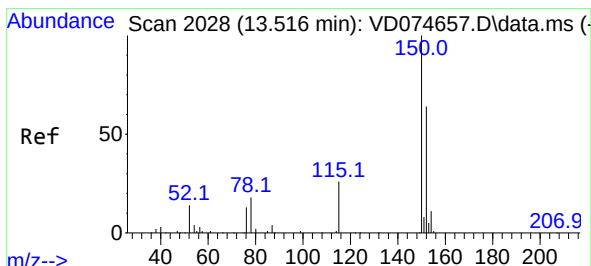
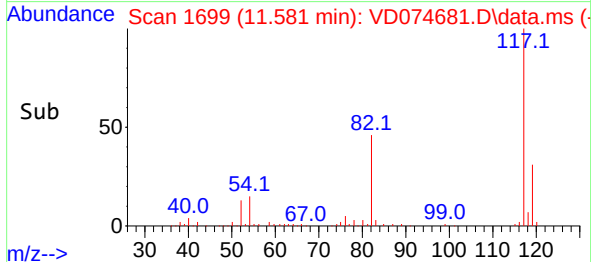
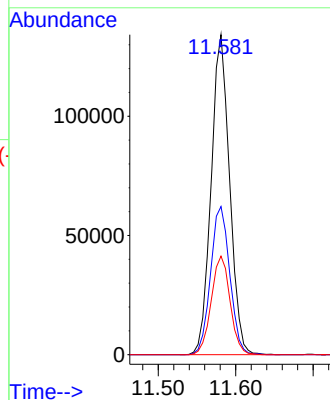
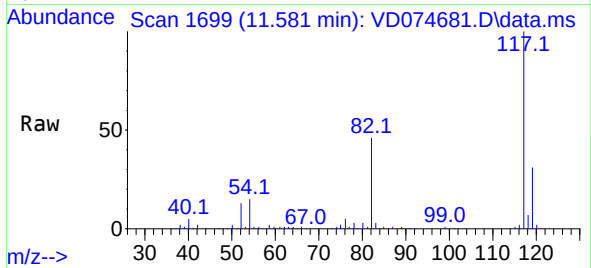




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

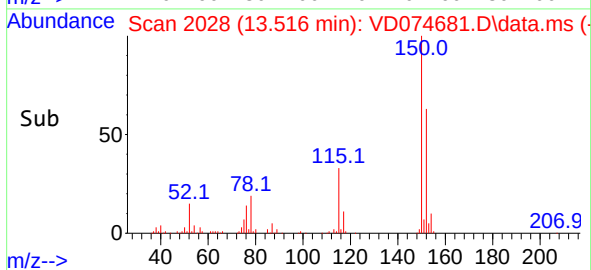
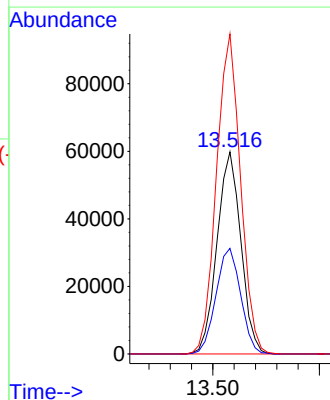
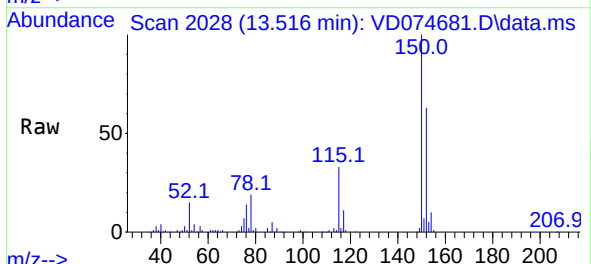
Instrument :
MSVOA_D
ClientSampleId :
MH-1-WC

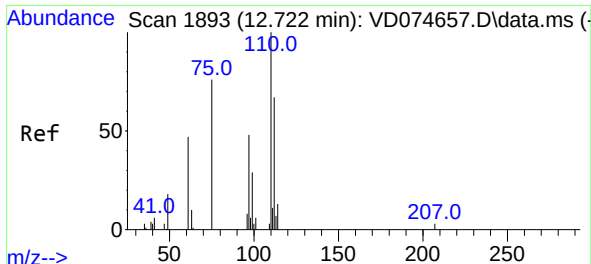
Tgt Ion:117 Resp: 222177
Ion Ratio Lower Upper
117 100
82 46.3 41.6 62.4
119 30.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Tgt Ion:152 Resp: 92865
Ion Ratio Lower Upper
152 100
115 54.2 26.8 80.4
150 159.9 0.0 348.2

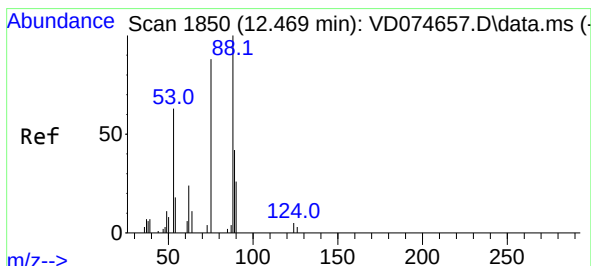
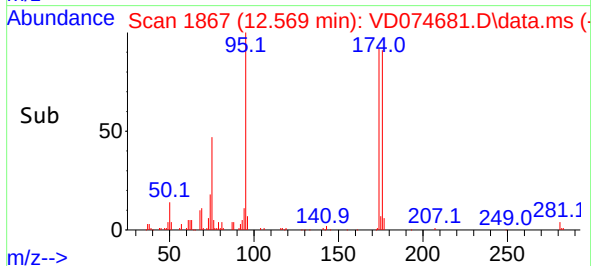
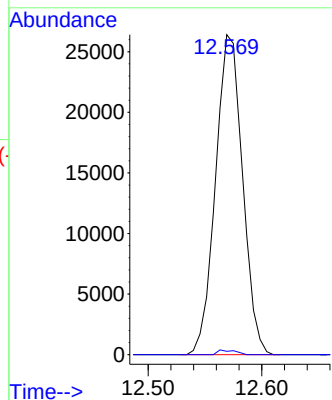
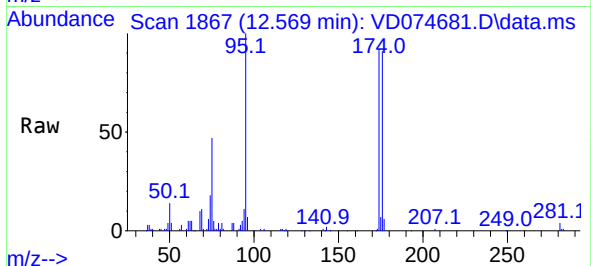




#76
1,2,3-Trichloropropane
Concen: 60.186 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Instrument :
MSVOA_D
ClientSampleId :
MH-1-WC

Tgt Ion: 75 Resp: 43713
Ion Ratio Lower Upper
75 100
77 1.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 159.286 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074681.D
Acq: 28 Oct 2022 19:37

Tgt Ion: 75 Resp: 43713
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

