

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076790.D
 Acq On : 19 Jul 2023 14:58
 Operator : KP/SY
 Sample : 03655-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MARION-COMP

Quant Time: Jul 20 04:59:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

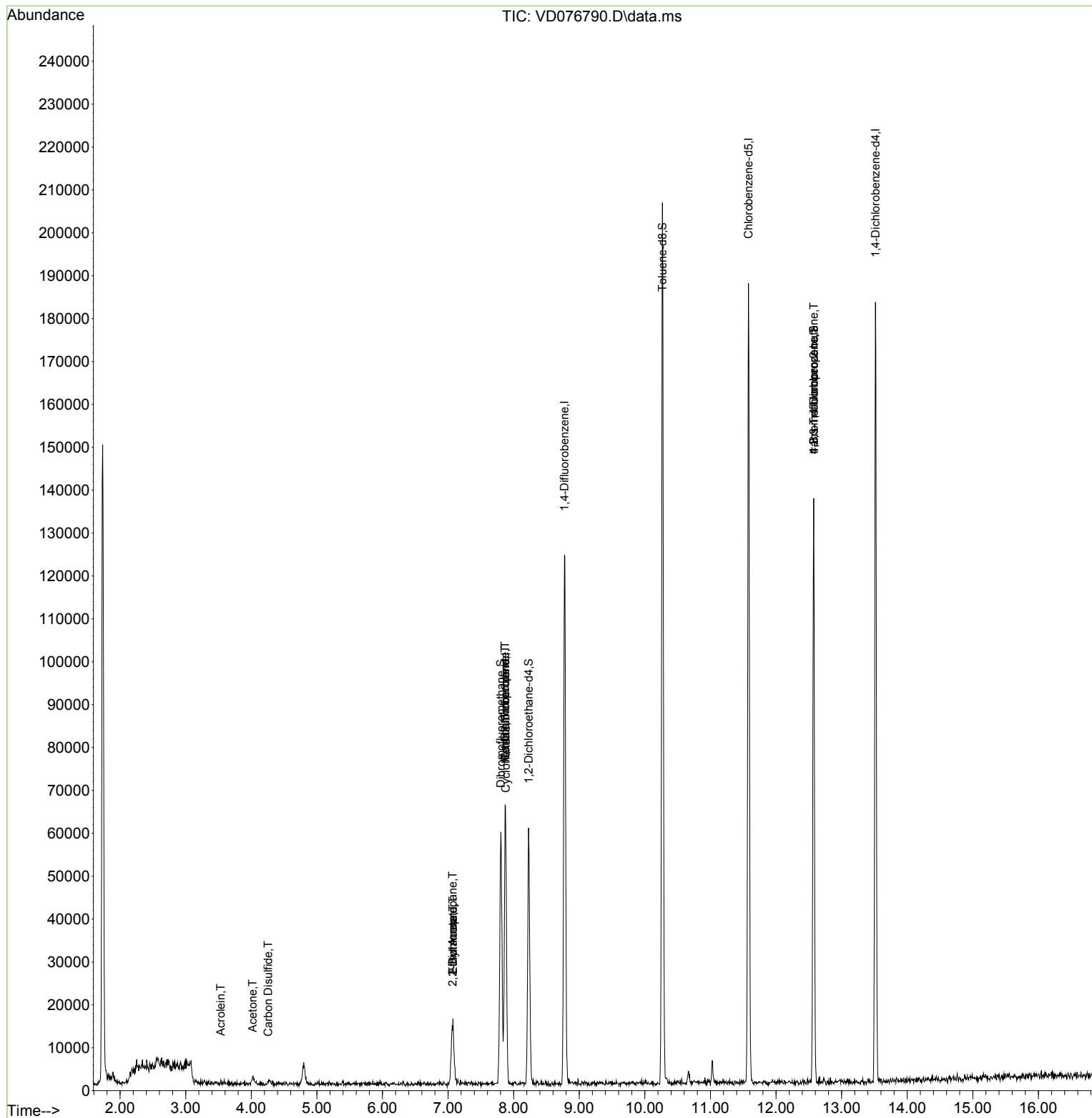
Internal Standards						
1) Pentafluorobenzene	7.875	168	48917	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	113971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	113983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	49026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42682	87.602	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 175.200%#	
35) Dibromofluoromethane	7.804	113	43480	60.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.420%	
50) Toluene-d8	10.269	98	144503	56.400	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.800%	
62) 4-Bromofluorobenzene	12.575	95	42642	51.447	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.900%	
Target Compounds						
					Qvalue	
13) Acrolein	3.534	56	54	2.179	ug/l	# 15
16) Acetone	4.022	43	2851	24.501	ug/l	# 85
17) Carbon Disulfide	4.257	76	1475	1.306	ug/l	# 76
20) Methylene Chloride	4.798	84	3626	Below Cal		96
25) 2-Butanone	7.075	43	651	4.180	ug/l	# 37
26) 2,2-Dichloropropane	7.069	77	992	1.135	ug/l	# 49
31) Cyclohexane	7.881	56	1189	1.658	ug/l	# 20
36) 1,1-Dichloropropene	7.869	75	3608	3.855	ug/l	# 48
37) Ethyl Acetate	7.075	43	651	1.555	ug/l	# 27
38) Carbon Tetrachloride	7.869	117	5581	6.228	ug/l	# 11
76) 1,2,3-Trichloropropane	12.575	75	22264	47.753	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	22264	101.631	ug/l	# 17

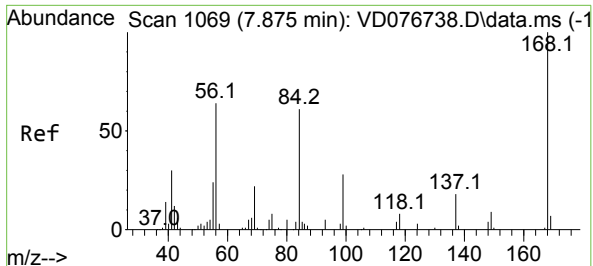
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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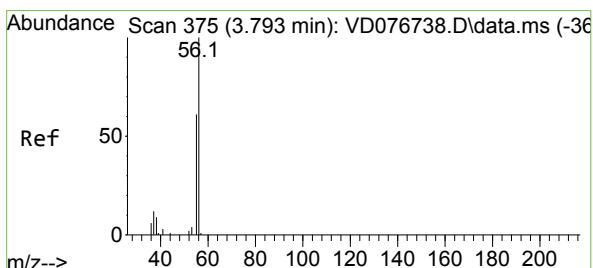
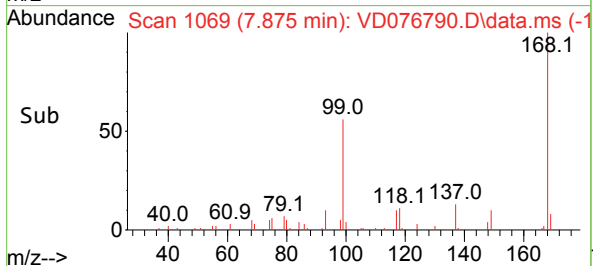
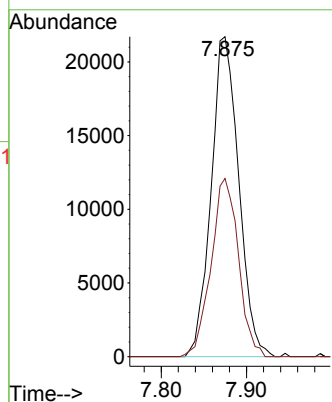
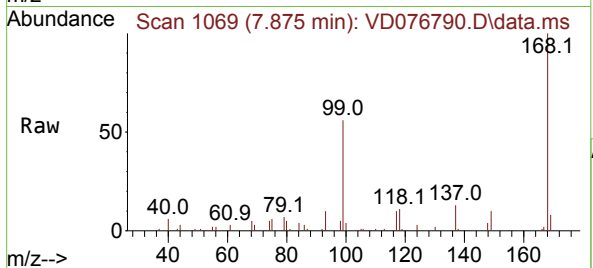




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

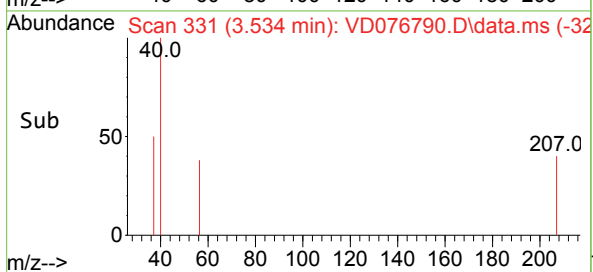
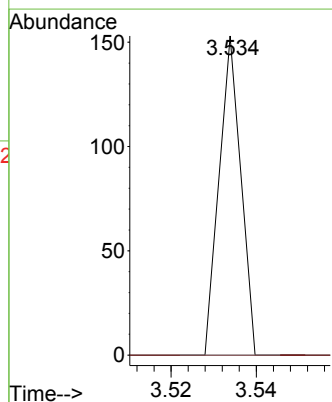
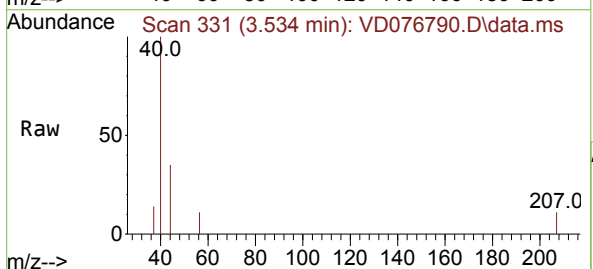
Instrument :
MSVOA_D
ClientSampleId :
MARION-COMP

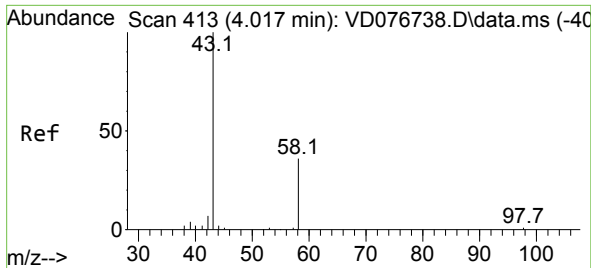
Tgt Ion:168 Resp: 48917
Ion Ratio Lower Upper
168 100
99 55.7 36.7 55.1#



#13
Acrolein
Concen: 2.179 ug/l
RT: 3.534 min Scan# 331
Delta R.T. -0.259 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#





#16

Acetone

Concen: 24.501 ug/l

RT: 4.022 min Scan# 41

Delta R.T. 0.005 min

Lab File: VD076790.D

Acq: 19 Jul 2023 14:58

Instrument :

MSVOA_D

ClientSampleId :

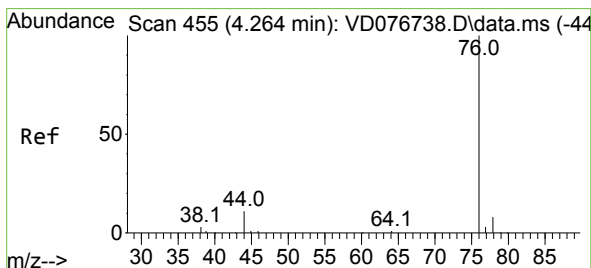
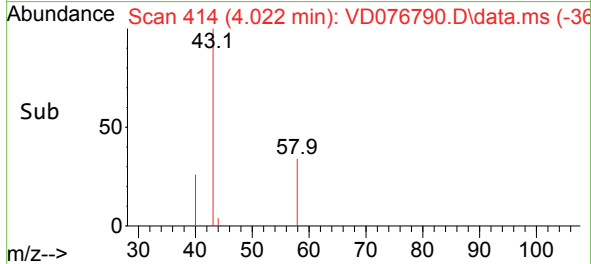
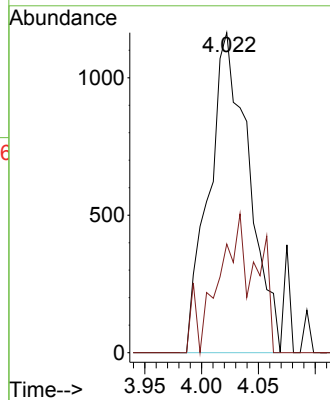
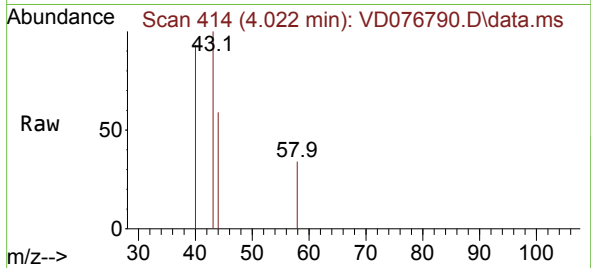
MARION-COMP

Tgt Ion: 43 Resp: 2851

Ion Ratio Lower Upper

43 100

58 33.9 34.7 52.1#



#17

Carbon Disulfide

Concen: 1.306 ug/l

RT: 4.257 min Scan# 454

Delta R.T. -0.007 min

Lab File: VD076790.D

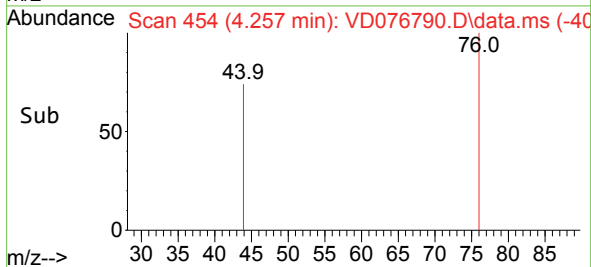
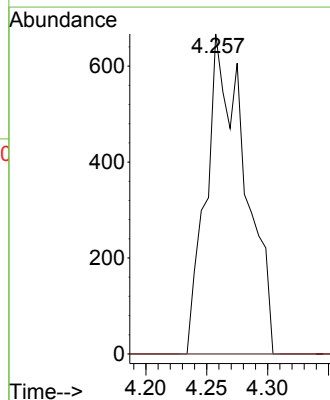
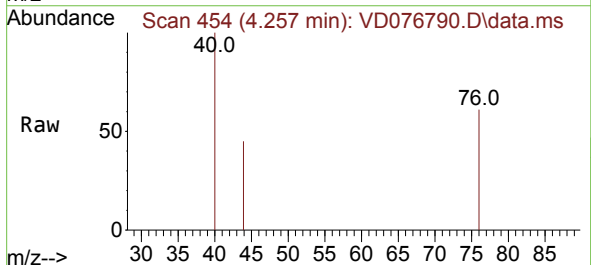
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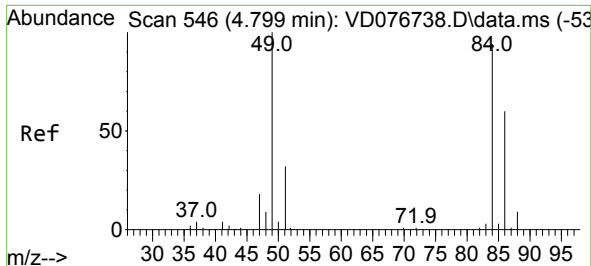
Tgt Ion: 76 Resp: 1475

Ion Ratio Lower Upper

76 100

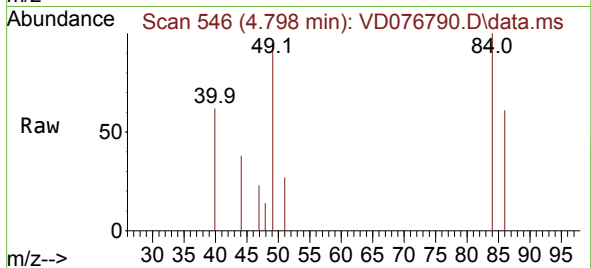
78 0.0 6.8 10.2#





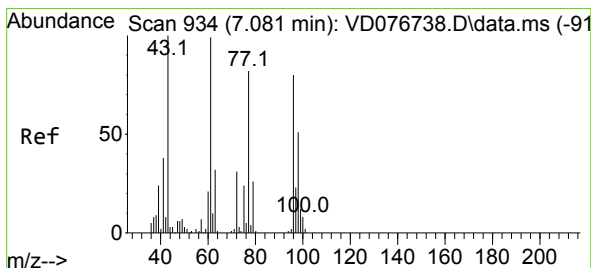
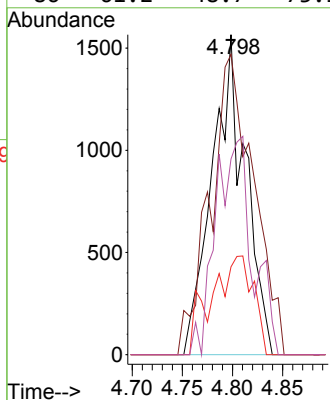
#20
Methylene Chloride
Concen: Below Cal
RT: 4.798 min Scan# 546
Delta R.T. -0.001 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

Instrument :
MSVOA_D
ClientSampleId :
MARION-COMP



Tgt Ion: 84 Resp: 3626

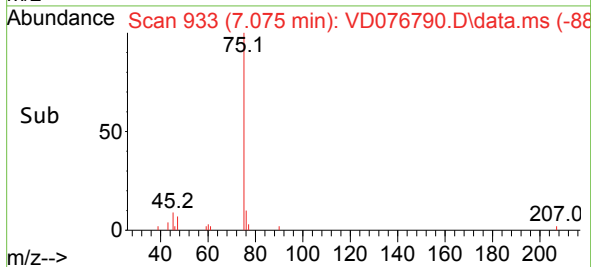
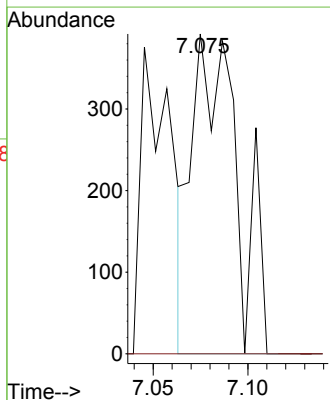
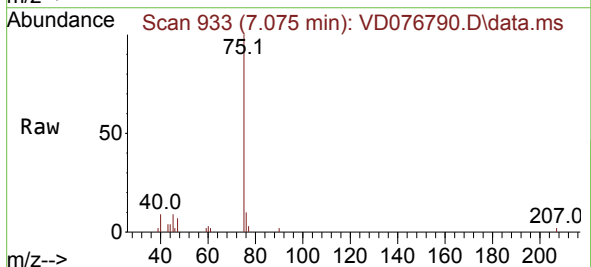
Ion	Ratio	Lower	Upper
84	100		
49	93.9	71.4	107.2
51	27.5	24.5	36.7
86	61.2	48.7	73.1

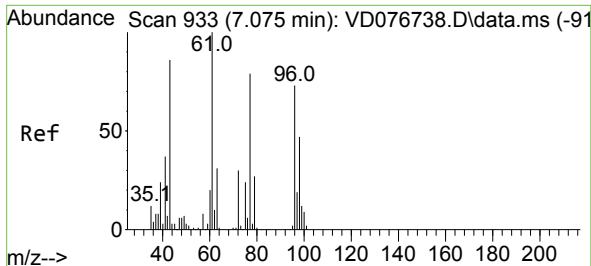


#25
2-Butanone
Concen: 4.180 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

Tgt Ion: 43 Resp: 651

Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

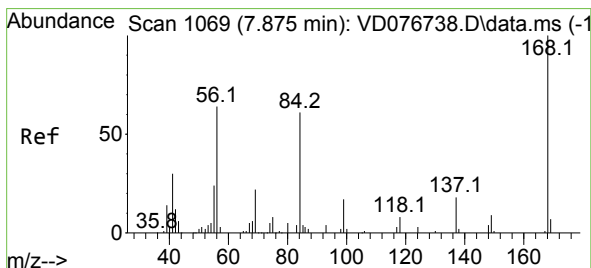
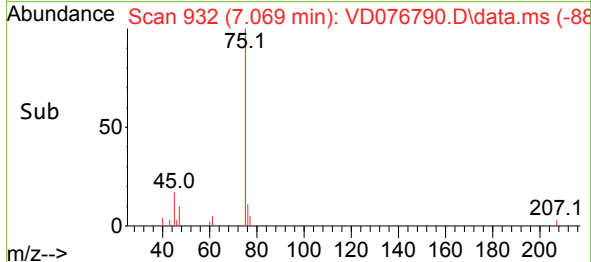
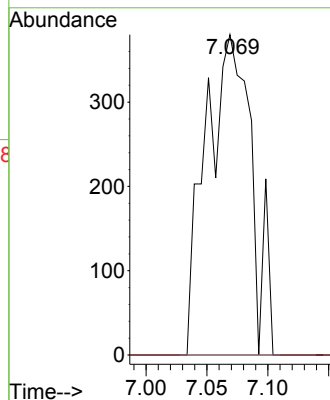
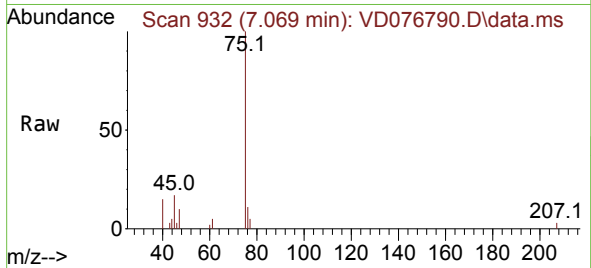




#26
2,2-Dichloropropane
Concen: 1.135 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

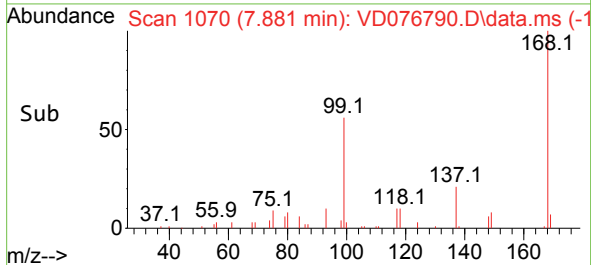
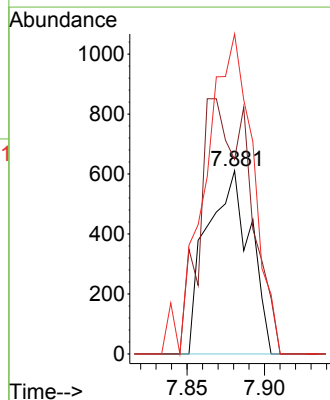
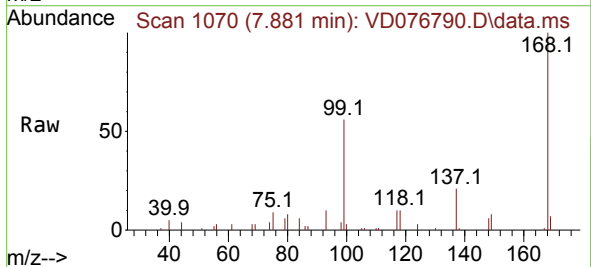
Instrument :
MSVOA_D
ClientSampleId :
MARION-COMP

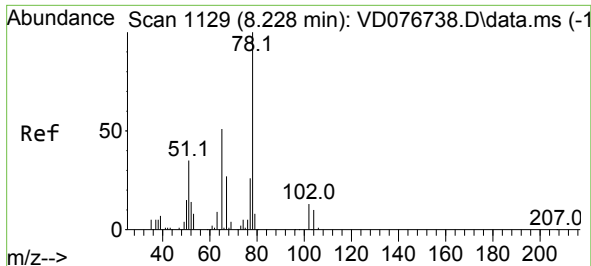
Tgt Ion: 77 Resp: 992
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#31
Cyclohexane
Concen: 1.658 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

Tgt Ion: 56 Resp: 1189
Ion Ratio Lower Upper
56 100
69 106.2 28.6 43.0#
84 174.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 87.602 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076790.D

Acq: 19 Jul 2023 14:58

Instrument :

MSVOA_D

ClientSampleId :

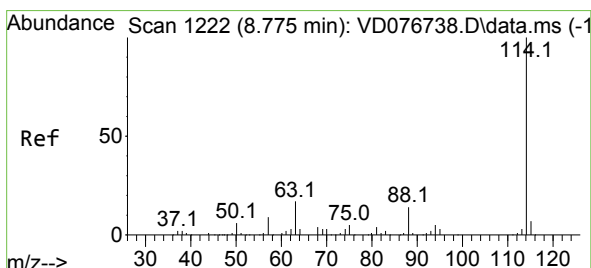
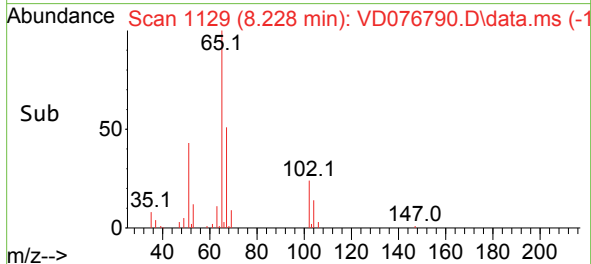
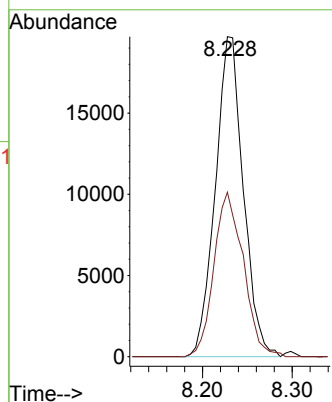
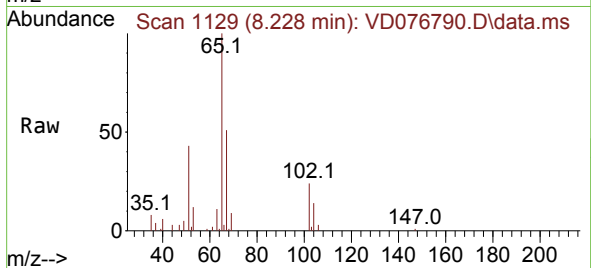
MARION-COMP

Tgt Ion: 65 Resp: 42682

Ion Ratio Lower Upper

65 100

67 54.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076790.D

Acq: 19 Jul 2023 14:58

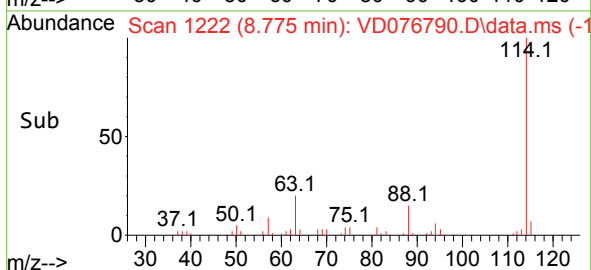
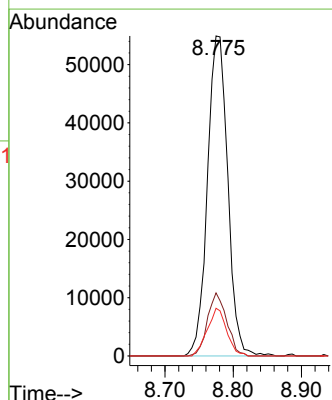
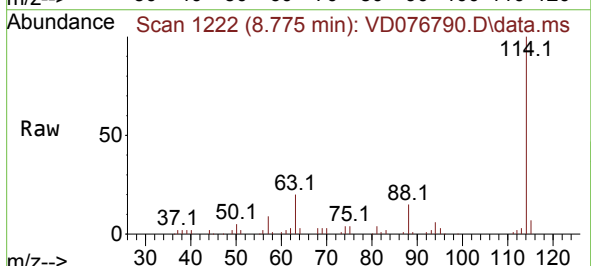
Tgt Ion: 114 Resp: 113971

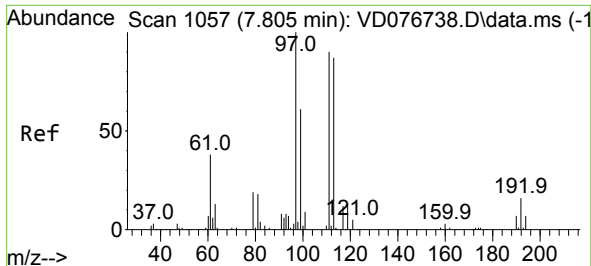
Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.4

88 14.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 60.709 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076790.D

Acq: 19 Jul 2023 14:58

Instrument :

MSVOA_D

ClientSampleId :

MARION-COMP

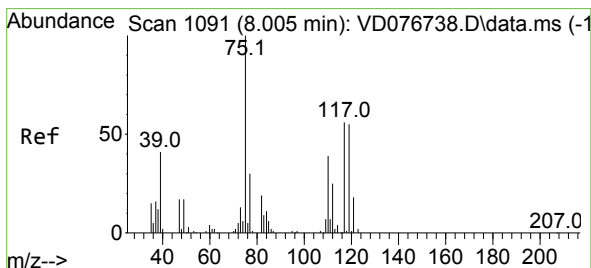
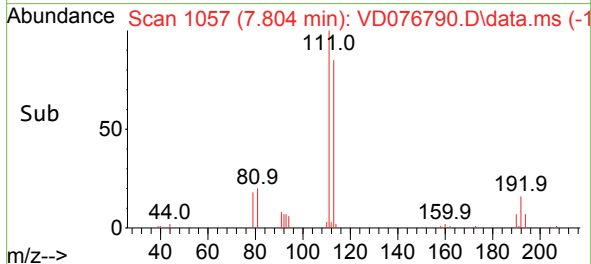
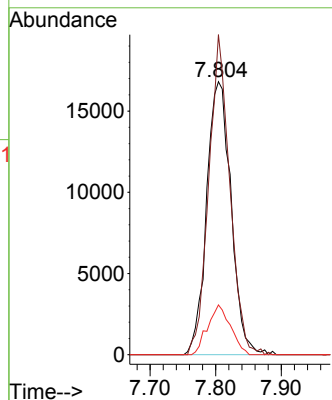
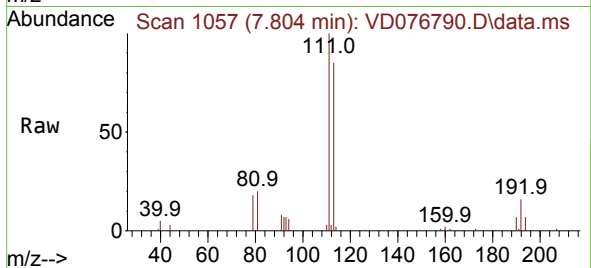
Tgt Ion:113 Resp: 43480

Ion Ratio Lower Upper

113 100

111 101.1 84.7 127.1

192 17.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.855 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD076790.D

Acq: 19 Jul 2023 14:58

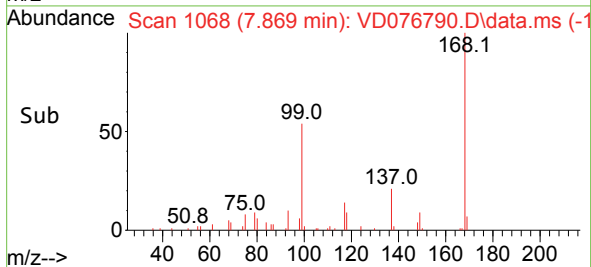
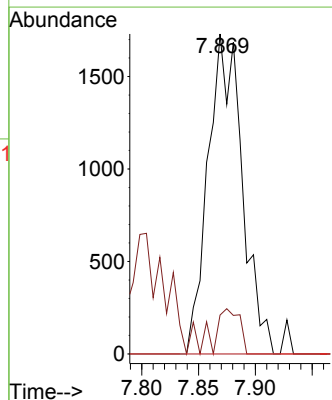
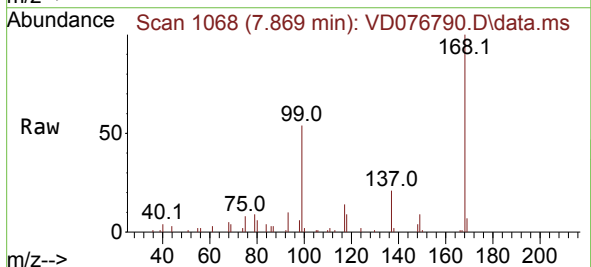
Tgt Ion: 75 Resp: 3608

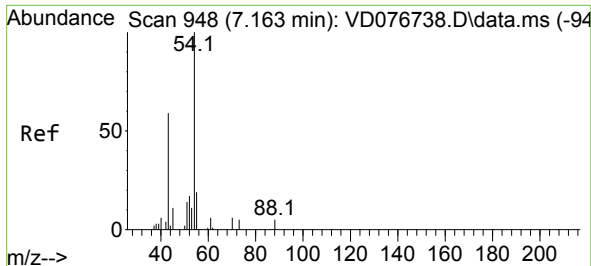
Ion Ratio Lower Upper

75 100

110 10.3 19.9 59.6#

77 0.0 24.7 37.1#

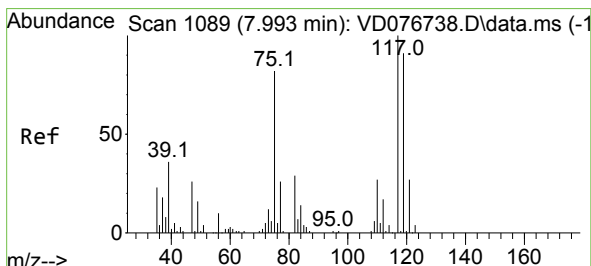
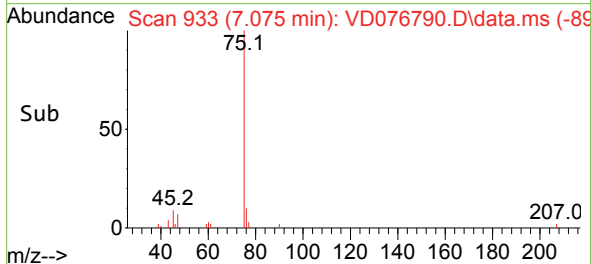
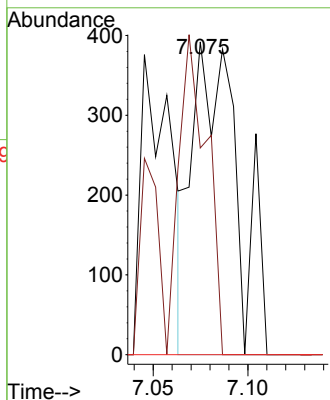
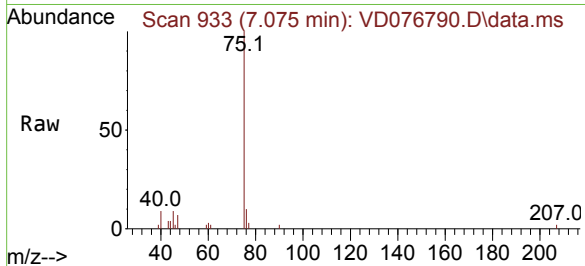




#37
Ethyl Acetate
Concen: 1.555 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.088 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

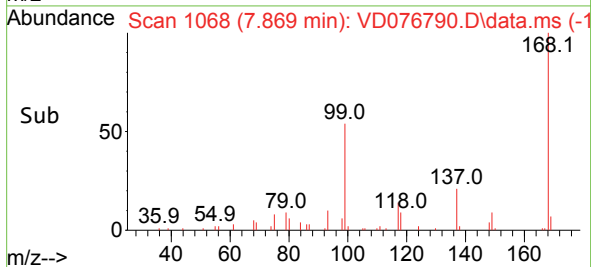
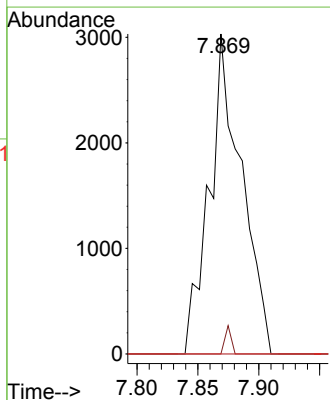
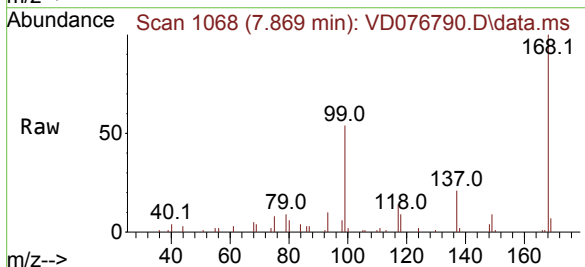
Instrument :
MSVOA_D
ClientSampleId :
MARION-COMP

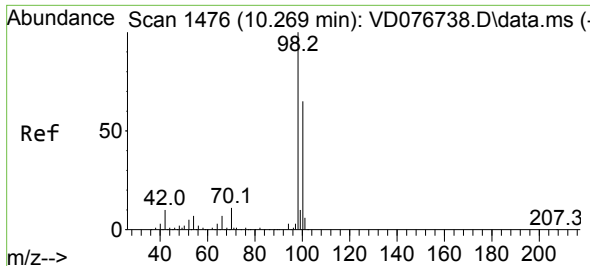
Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
61 63.3 14.9 22.3#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 6.228 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

Tgt Ion: 117 Resp: 5581
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#

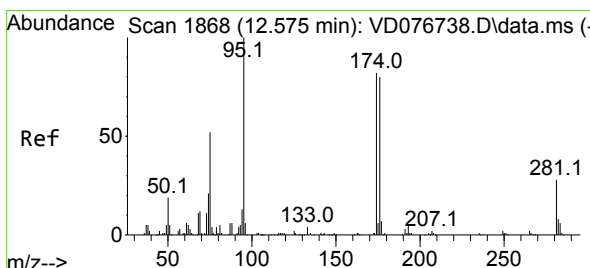
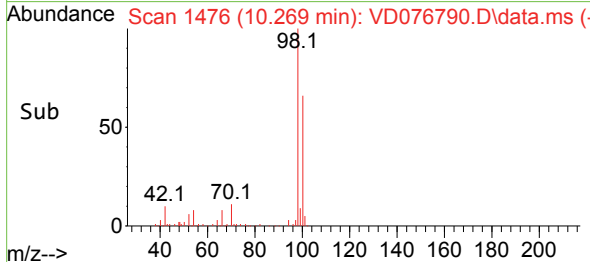
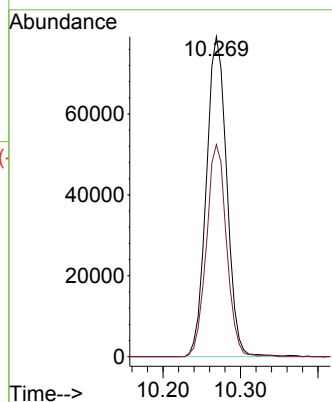
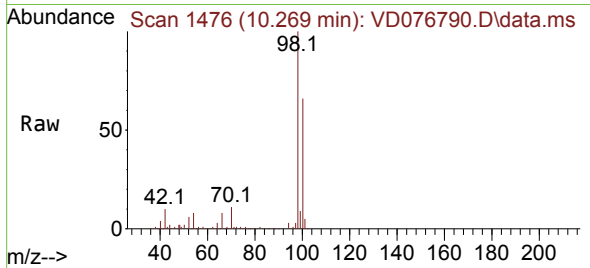




#50
Toluene-d8
Concen: 56.400 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

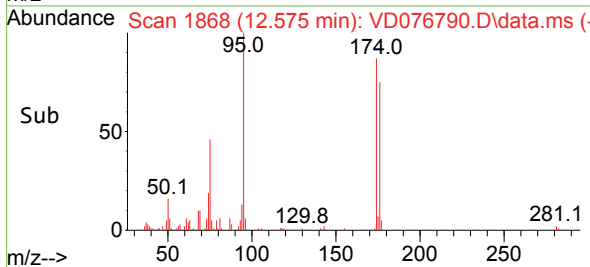
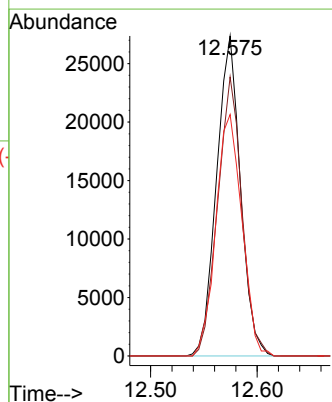
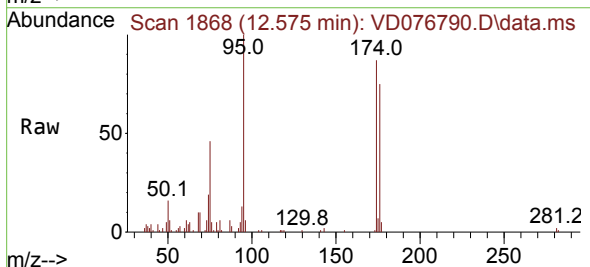
Instrument :
MSVOA_D
ClientSampleId :
MARION-COMP

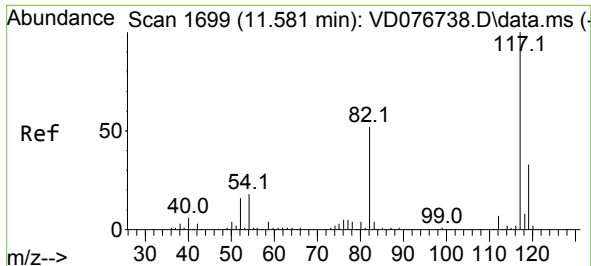
Tgt Ion: 98 Resp: 144503
Ion Ratio Lower Upper
98 100
100 65.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 51.447 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

Tgt Ion: 95 Resp: 42642
Ion Ratio Lower Upper
95 100
174 88.2 0.0 201.8
176 82.3 0.0 191.8

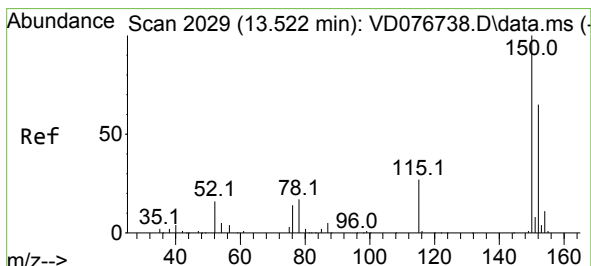
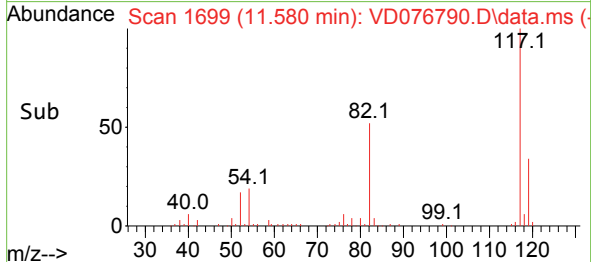
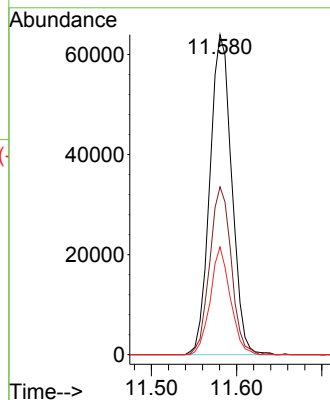
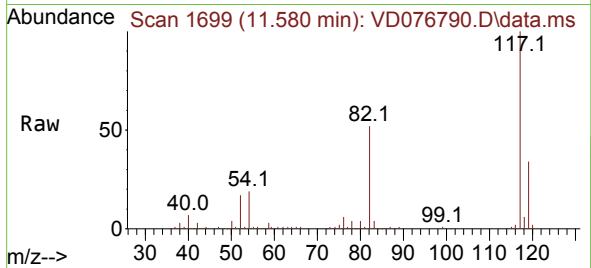




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

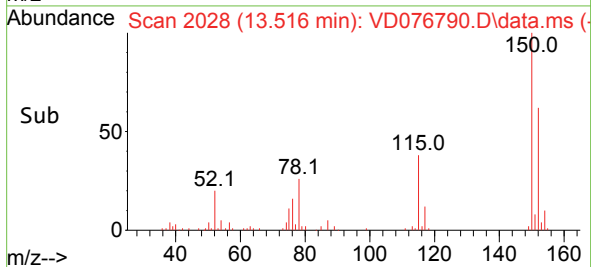
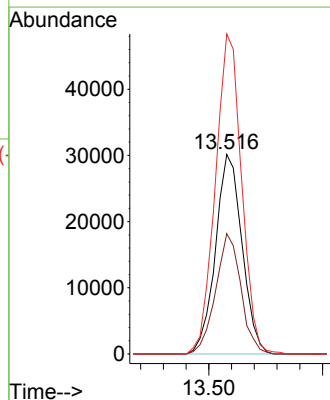
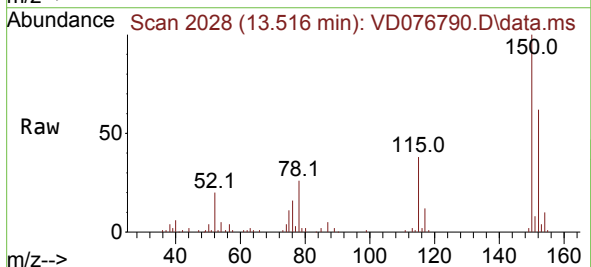
Instrument :
MSVOA_D
ClientSampleId :
MARION-COMP

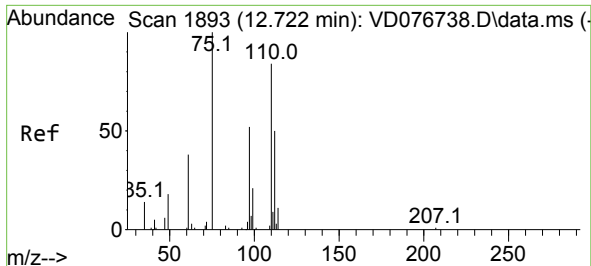
Tgt Ion:117 Resp: 113983
Ion Ratio Lower Upper
117 100
82 52.5 38.3 57.5
119 33.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

Tgt Ion:152 Resp: 49026
Ion Ratio Lower Upper
152 100
115 57.3 27.1 81.3
150 157.9 0.0 353.6

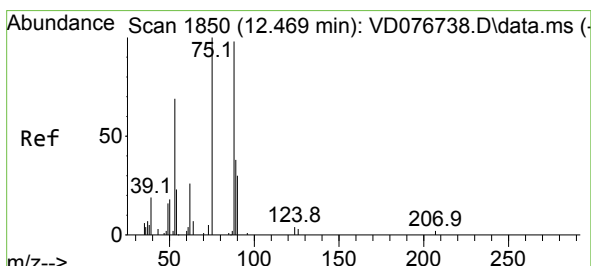
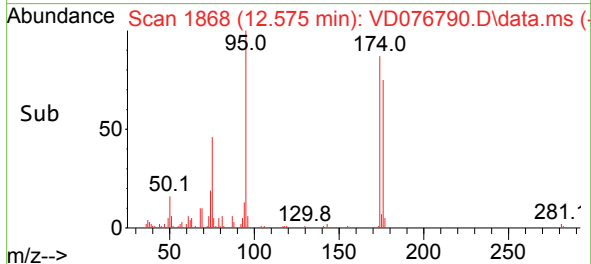
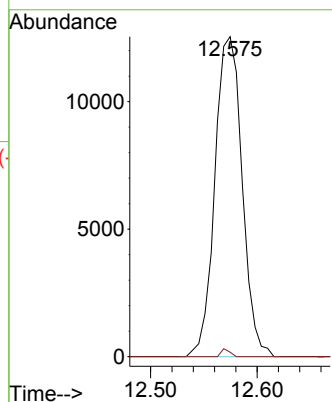
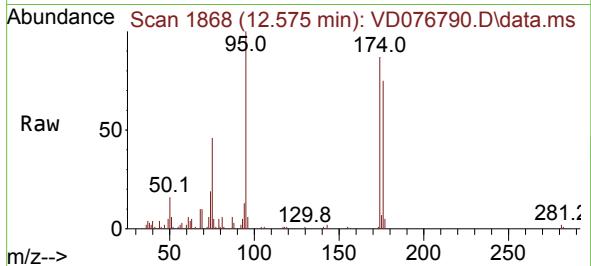




#76
1,2,3-Trichloropropane
Concen: 47.753 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

Instrument :
MSVOA_D
ClientSampleId :
MARION-COMP

Tgt Ion: 75 Resp: 22264
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.631 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076790.D
Acq: 19 Jul 2023 14:58

Tgt Ion: 75 Resp: 22264
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

