

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076812.D
 Acq On : 26 Jul 2023 18:12
 Operator : KP/SY
 Sample : 03769-09
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 04:25:28 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)

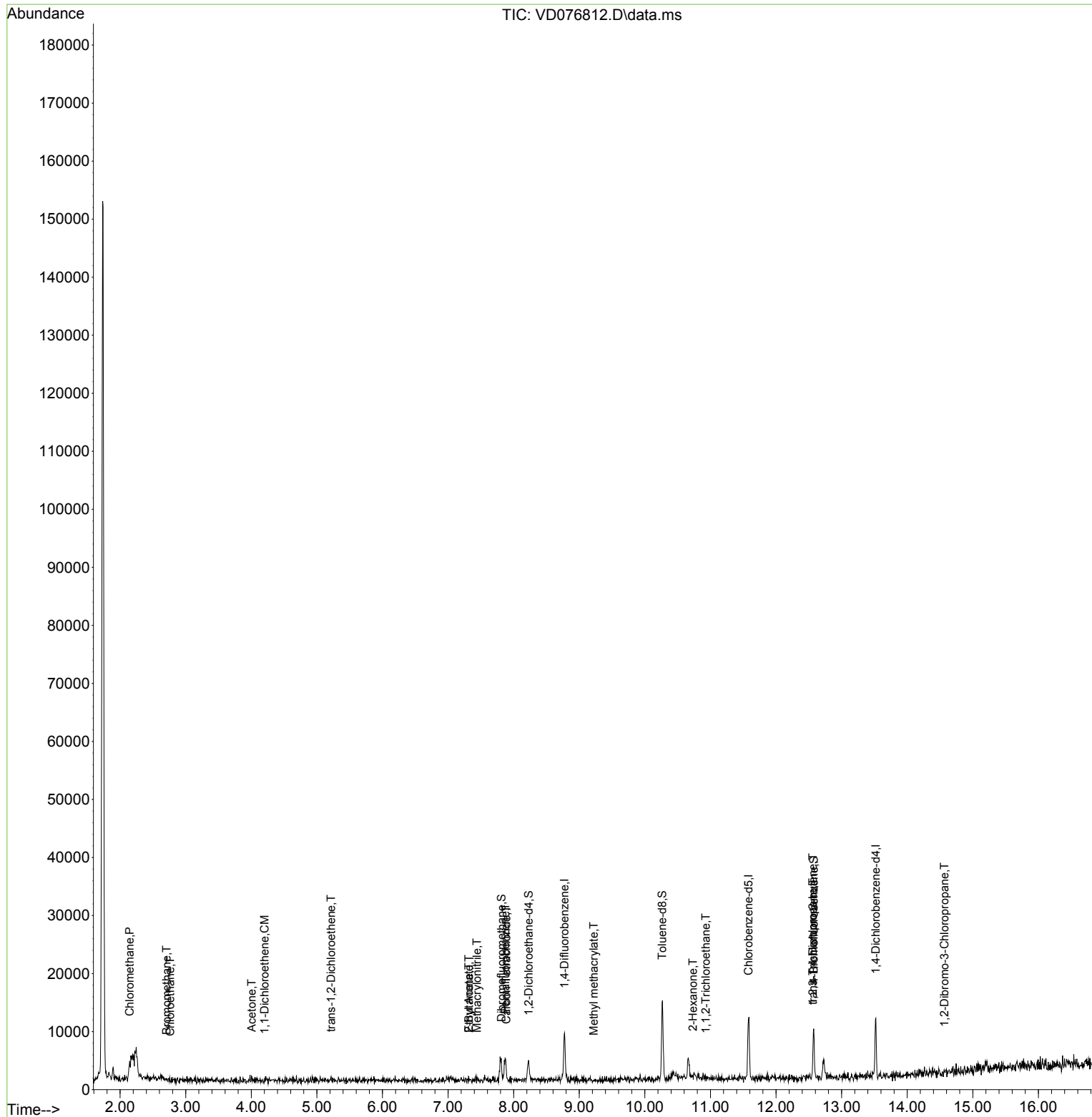
Internal Standards						
1) Pentafluorobenzene	7.875	168	3743	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	7889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	7281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	2647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	2915	78.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 156.380%	
35) Dibromofluoromethane	7.816	113	2772	55.915	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.840%	
50) Toluene-d8	10.263	98	9700	54.695	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.380%	
62) 4-Bromofluorobenzene	12.575	95	2787	48.577	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.160%	
Target Compounds						
						Qvalue
3) Chloromethane	2.146	50	187	3.704	ug/l	# 1
5) Bromomethane	2.711	94	66	1.192	ug/l	85
6) Chloroethane	2.764	64	79	1.555	ug/l	# 43
12) 1,1-Dichloroethene	4.205	96	56	1.514	ug/l	# 1
16) Acetone	4.005	43	56	6.290	ug/l	# 32
20) Methylene Chloride	4.799	84	54	Below Cal		# 17
21) trans-1,2-Dichloroethene	5.216	96	145	3.373	ug/l	# 4
25) 2-Butanone	7.316	43	74	6.210	ug/l	# 37
37) Ethyl Acetate	7.316	43	74	2.554	ug/l	# 62
38) Carbon Tetrachloride	7.887	117	150	2.418	ug/l	# 11
41) Methacrylonitrile	7.440	41	77	4.352	ug/l	# 1
48) Methyl methacrylate	9.222	41	53	2.060	ug/l	# 1
55) 1,1,2-Trichloroethane	10.928	97	56	1.242	ug/l	# 16
59) 2-Hexanone	10.734	43	126	5.866	ug/l	# 16
76) 1,2,3-Trichloropropane	12.563	75	1397	55.497	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.563	75	1397	118.111	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	14.569	75	60	10.206	ug/l	# 1

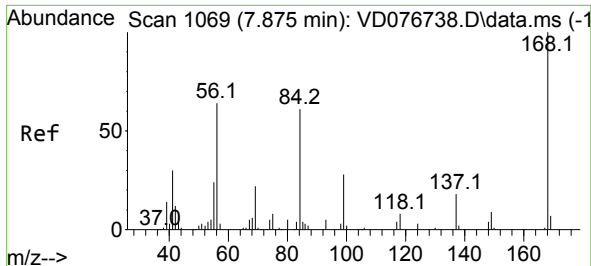
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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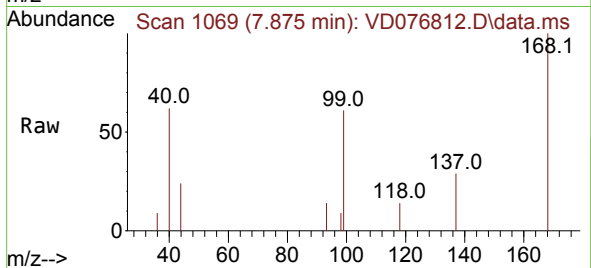
Quant Time: Jul 27 04:25:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
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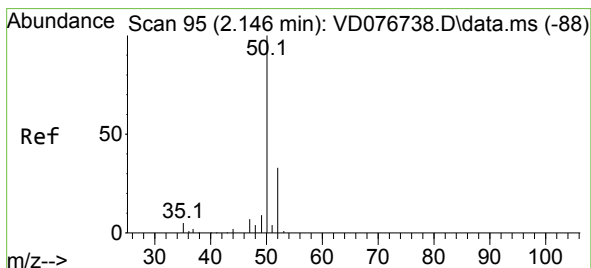
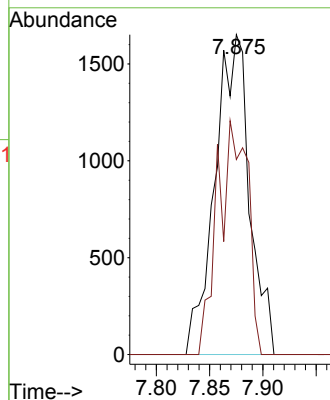
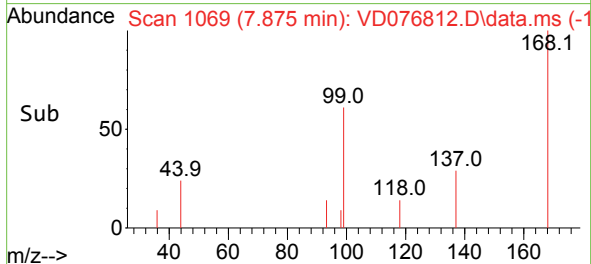


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

Instrument :
MSVOA_D
ClientSampleId :

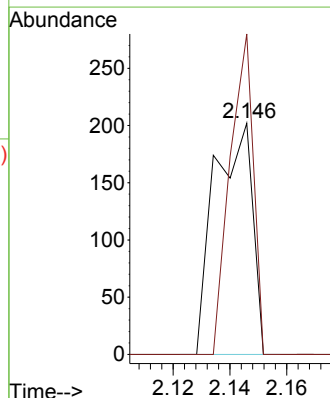
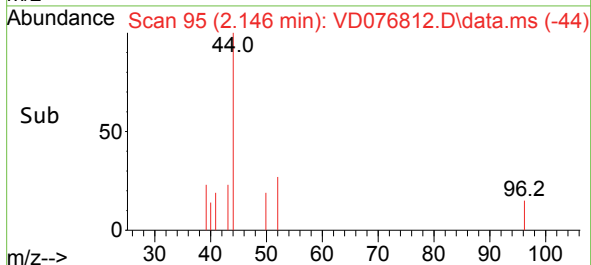
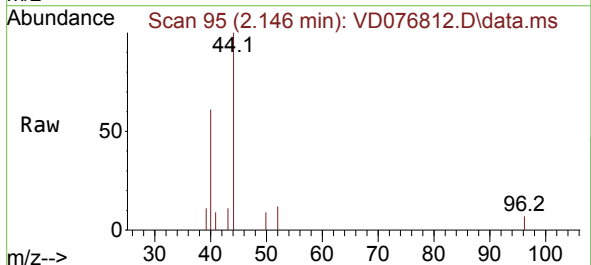


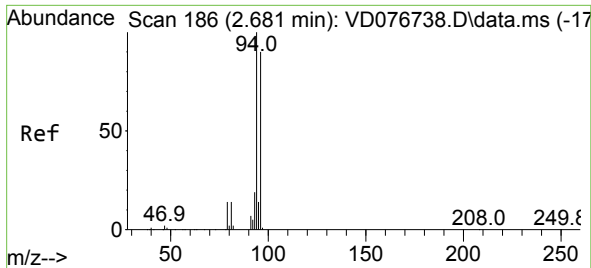
Tgt Ion:168 Resp: 3743
Ion Ratio Lower Upper
168 100
99 61.0 36.7 55.1#



#3
Chloromethane
Concen: 3.704 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

Tgt Ion: 50 Resp: 187
Ion Ratio Lower Upper
50 100
52 138.6 26.6 40.0#

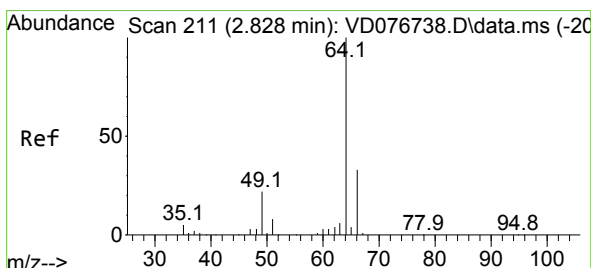
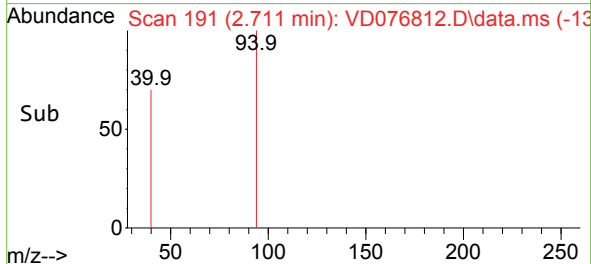
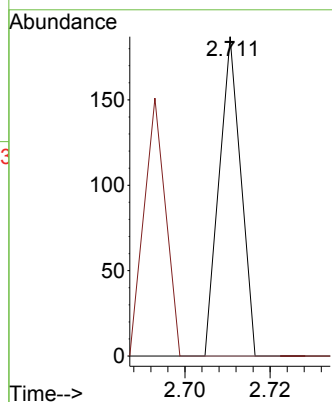
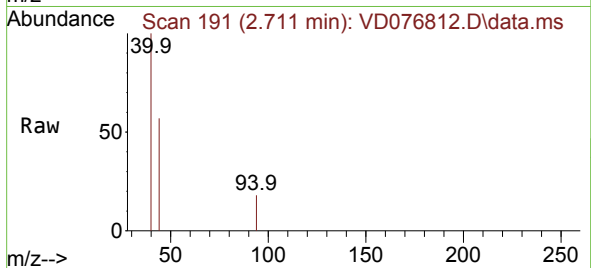




#5
Bromomethane
Concen: 1.192 ug/l
RT: 2.711 min Scan# 191
Delta R.T. 0.030 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

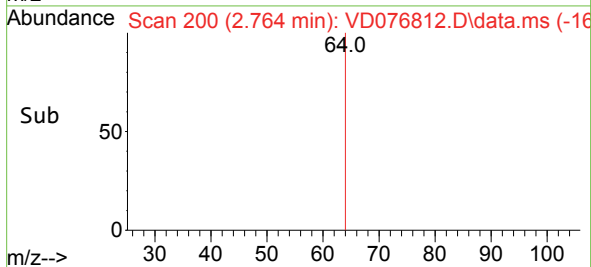
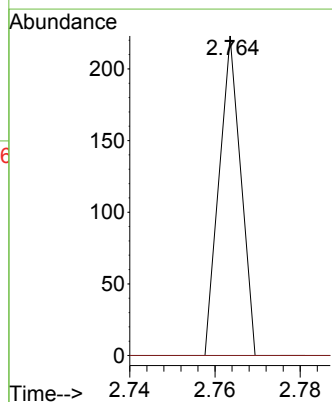
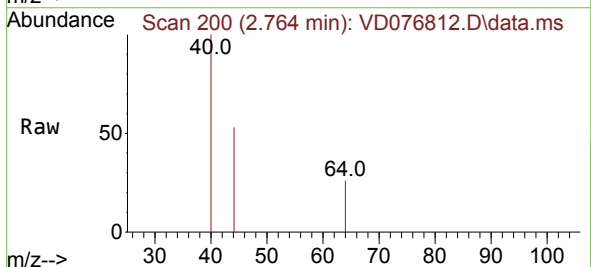
Instrument :
MSVOA_D
ClientSampleId :

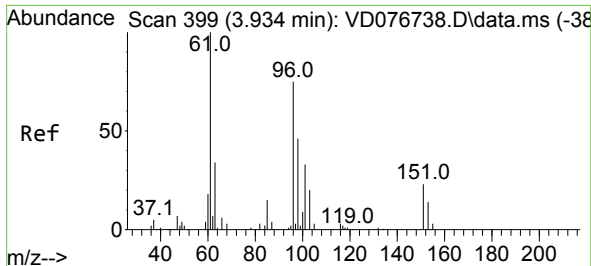
Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 80.3 75.8 113.8



#6
Chloroethane
Concen: 1.555 ug/l
RT: 2.764 min Scan# 200
Delta R.T. -0.064 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

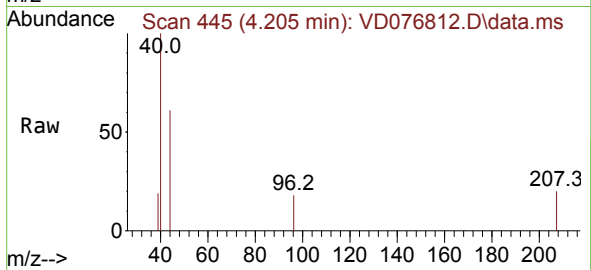
Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



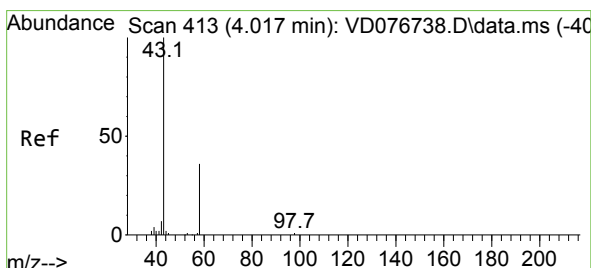
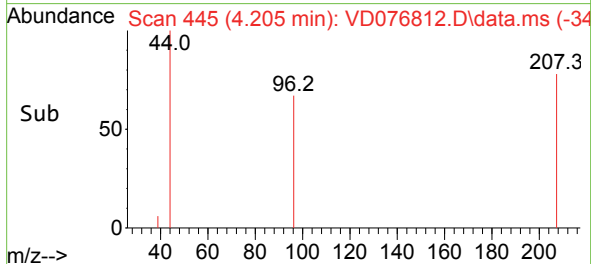
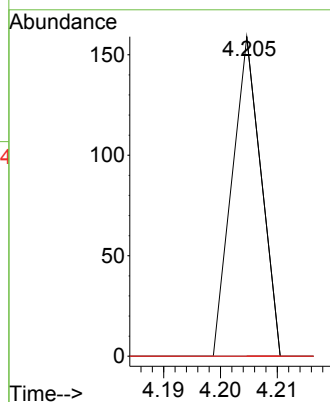


#12
1,1-Dichloroethene
Concen: 1.514 ug/l
RT: 4.205 min Scan# 445
Delta R.T. 0.271 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

Instrument :
MSVOA_D
ClientSampleId :

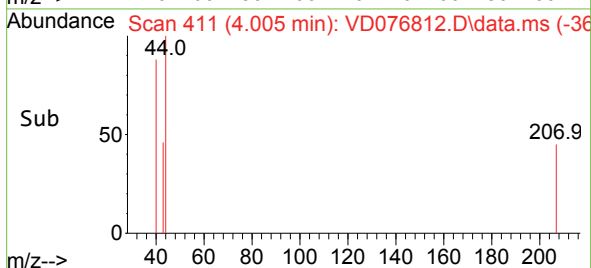
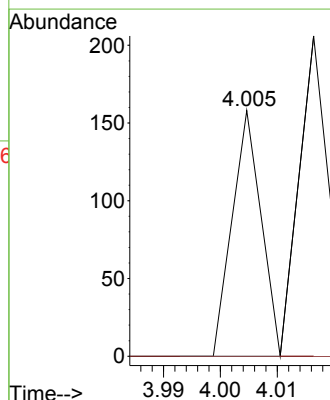
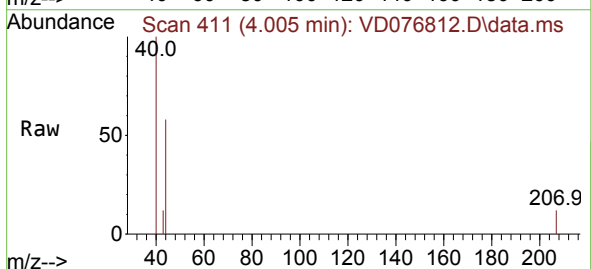


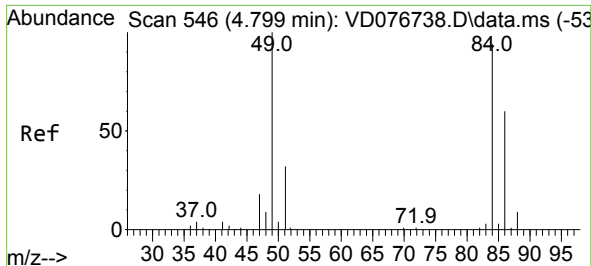
Tgt Ion: 96 Resp: 56
Ion Ratio Lower Upper
96 100
61 0.0 100.6 150.8#
98 0.0 50.2 75.2#



#16
Acetone
Concen: 6.290 ug/l
RT: 4.005 min Scan# 411
Delta R.T. -0.012 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

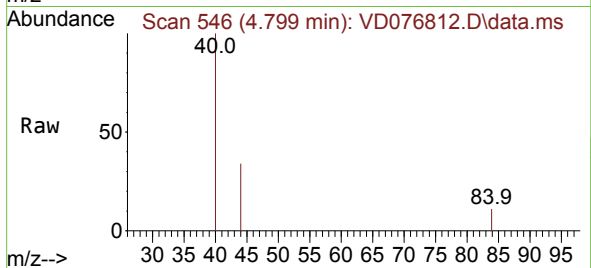
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



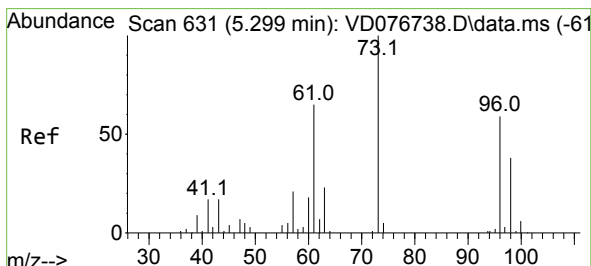
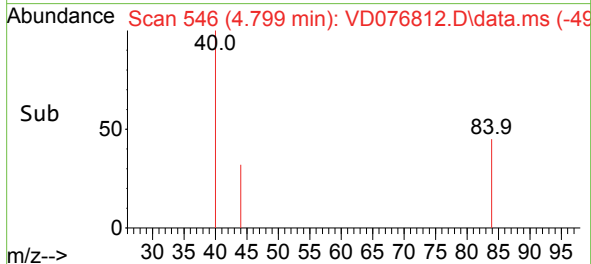
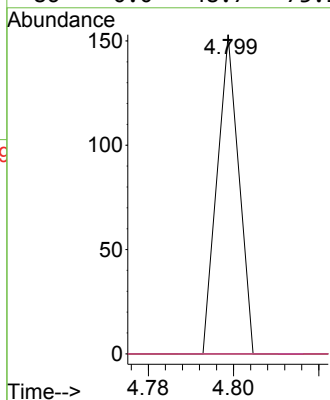


#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

Instrument :
MSVOA_D
ClientSampleId :

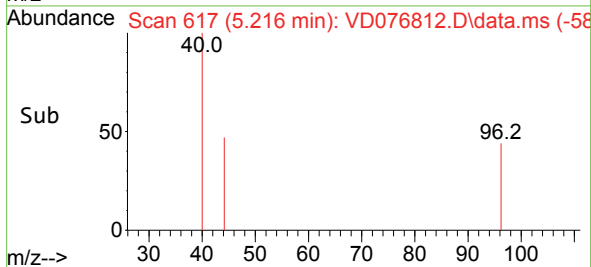
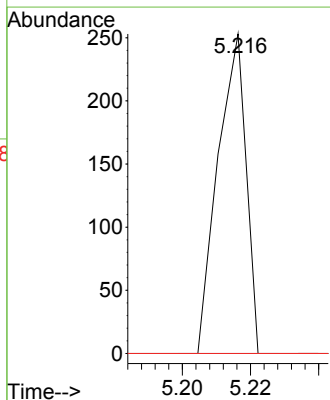
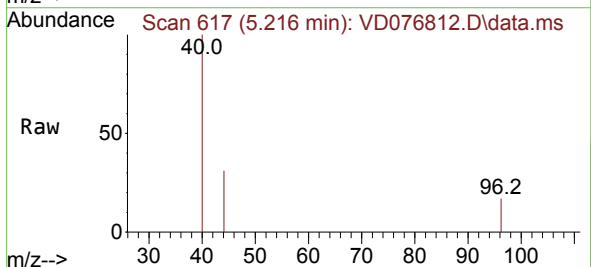


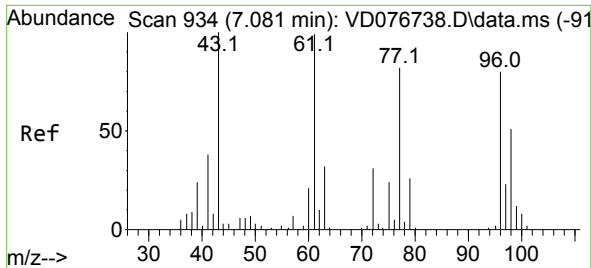
Tgt Ion: 84 Resp: 54
Ion Ratio Lower Upper
84 100
49 0.0 71.4 107.2#
51 0.0 24.5 36.7#
86 0.0 48.7 73.1#



#21
trans-1,2-Dichloroethene
Concen: 3.373 ug/l
RT: 5.216 min Scan# 617
Delta R.T. -0.083 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

Tgt Ion: 96 Resp: 145
Ion Ratio Lower Upper
96 100
61 0.0 89.3 133.9#
98 0.0 48.6 73.0#

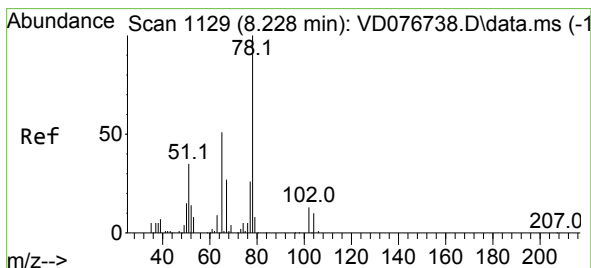
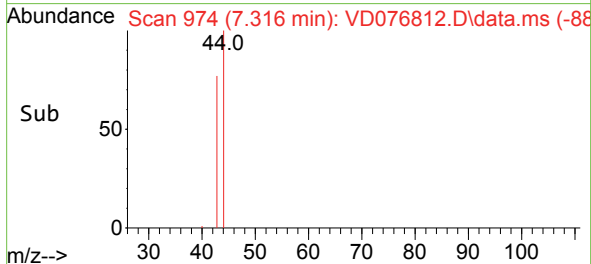
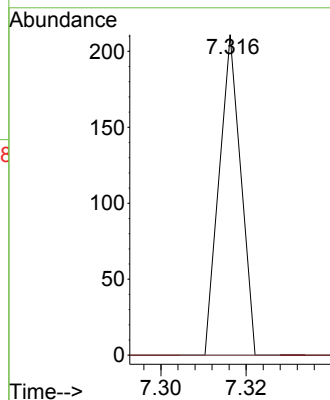
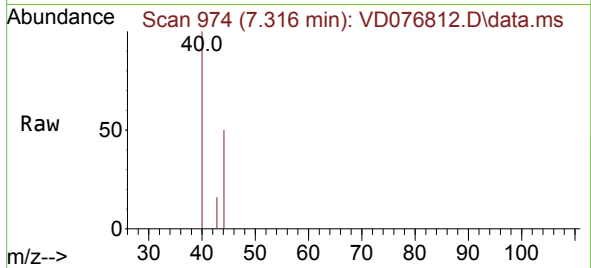




#25
2-Butanone
Concen: 6.210 ug/l
RT: 7.316 min Scan# 91
Delta R.T. 0.235 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

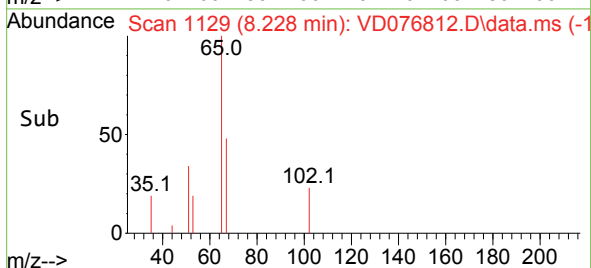
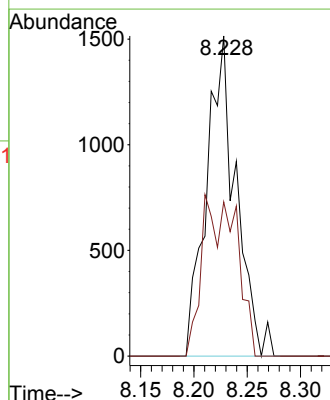
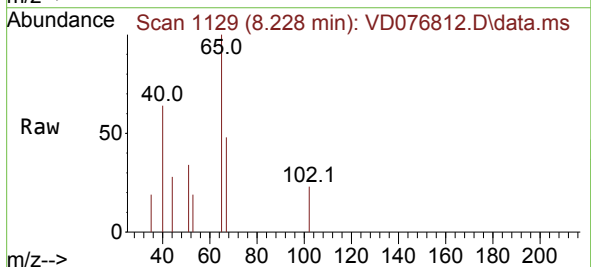
Instrument :
MSVOA_D
ClientSampleId :

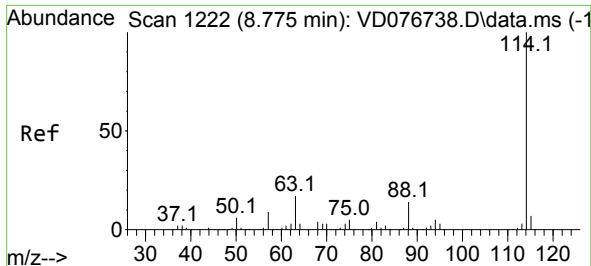
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#33
1,2-Dichloroethane-d4
Concen: 78.189 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

Tgt Ion: 65 Resp: 2915
Ion Ratio Lower Upper
65 100
67 28.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

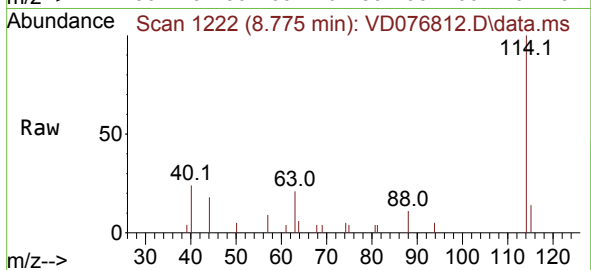
Lab File: VD076812.D

Acq: 26 Jul 2023 18:12

Instrument :

MSVOA_D

ClientSampleId :



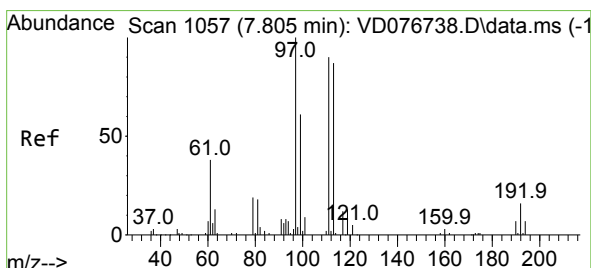
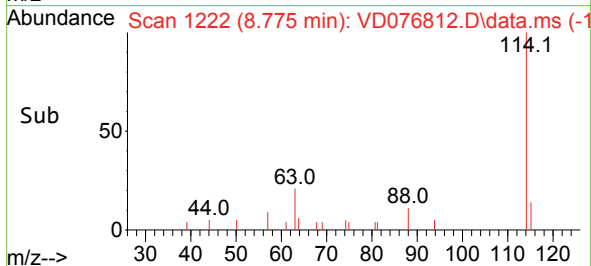
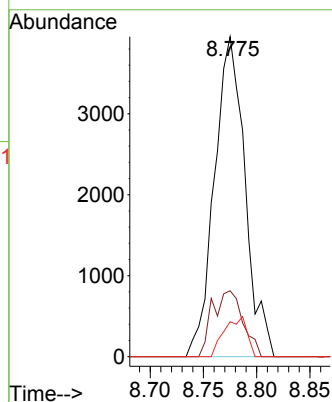
Tgt Ion:114 Resp: 7889

Ion Ratio Lower Upper

114 100

63 20.6 0.0 33.4

88 10.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 55.915 ug/l

RT: 7.816 min Scan# 1059

Delta R.T. 0.011 min

Lab File: VD076812.D

Acq: 26 Jul 2023 18:12

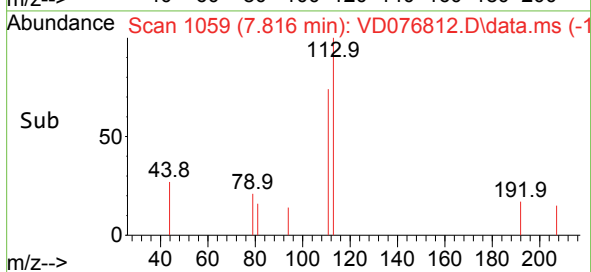
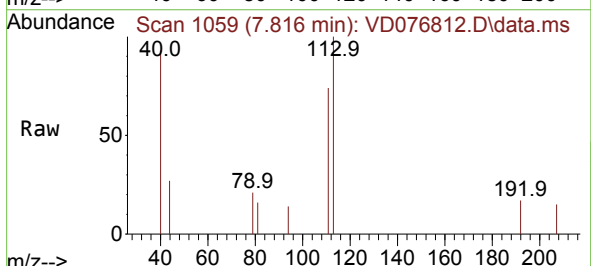
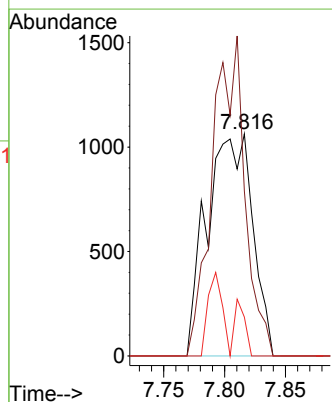
Tgt Ion:113 Resp: 2772

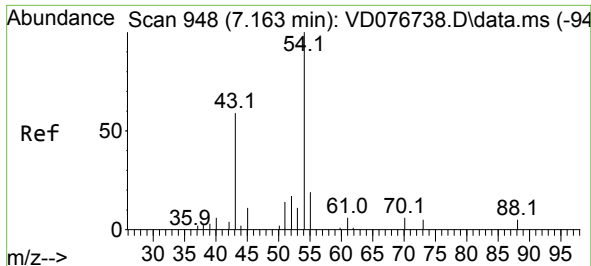
Ion Ratio Lower Upper

113 100

111 102.0 84.7 127.1

192 5.8 16.8 25.2#





#37

Ethyl Acetate

Concen: 2.554 ug/l

RT: 7.316 min Scan# 91

Delta R.T. 0.153 min

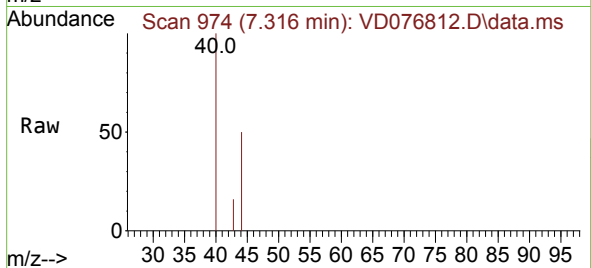
Lab File: VD076812.D

Acq: 26 Jul 2023 18:12

Instrument :

MSVOA_D

ClientSampleId :



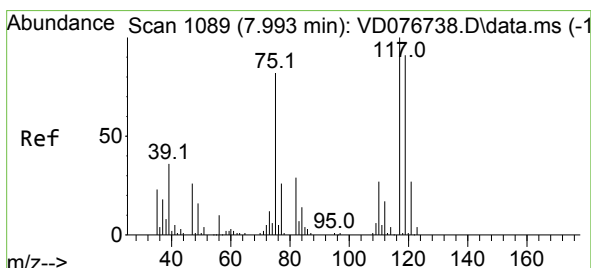
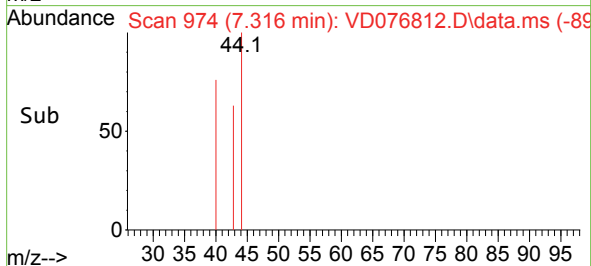
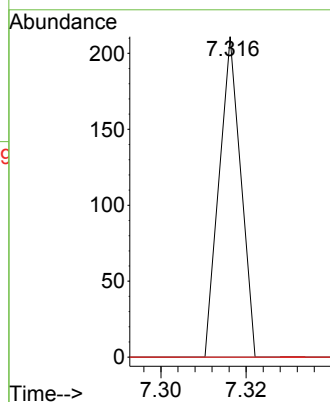
Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 2.418 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.106 min

Lab File: VD076812.D

Acq: 26 Jul 2023 18:12

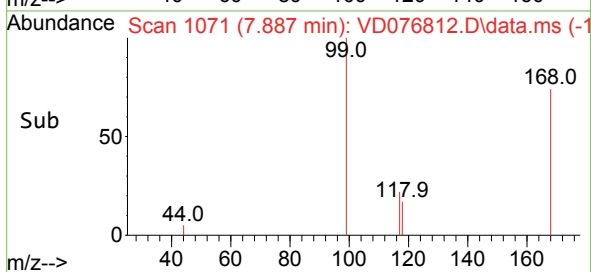
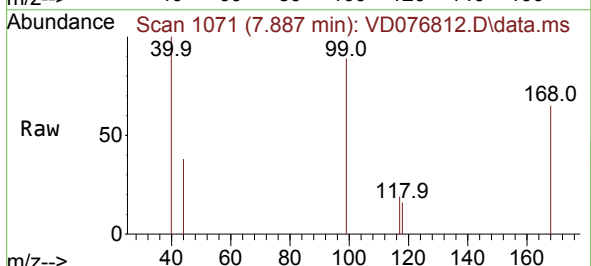
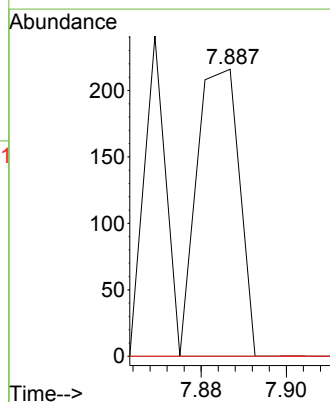
Tgt Ion: 117 Resp: 150

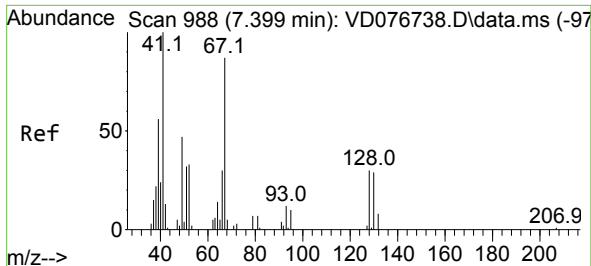
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

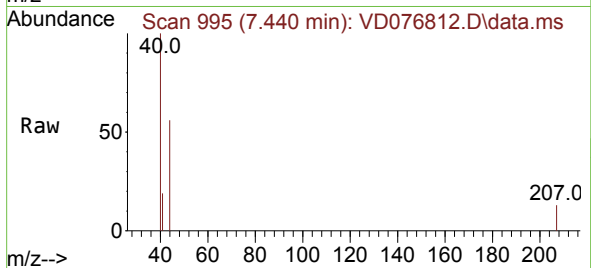
121 0.0 24.2 36.2#



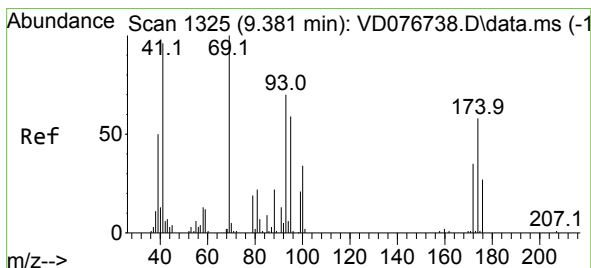
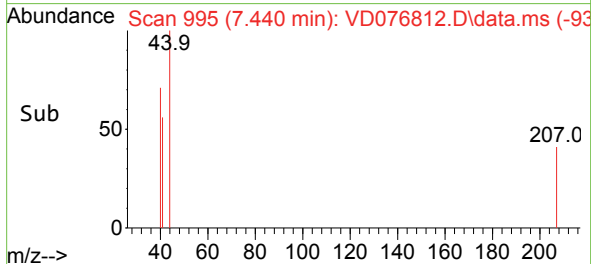
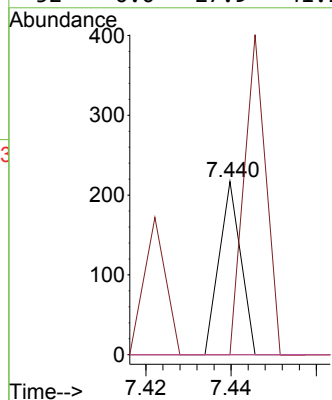


#41
Methacrylonitrile
Concen: 4.352 ug/l
RT: 7.440 min Scan# 91
Delta R.T. 0.041 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

Instrument :
MSVOA_D
ClientSampleId :

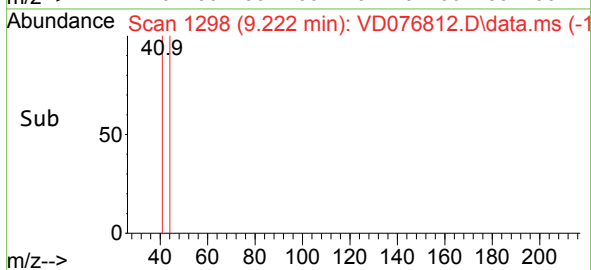
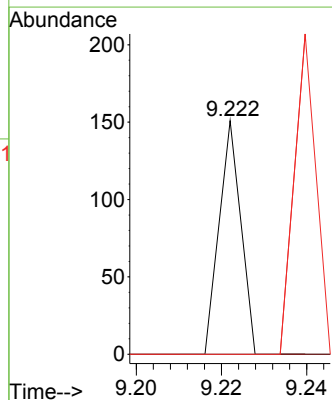
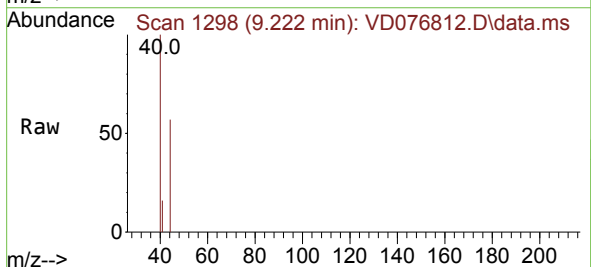


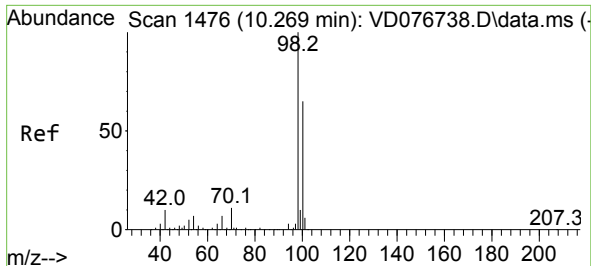
Tgt Ion:	41	Resp:	77
Ion	Ratio	Lower	Upper
41	100		
39	183.1	34.0	51.0#
67	0.0	77.0	115.4#
52	0.0	27.9	41.9#



#48
Methyl methacrylate
Concen: 2.060 ug/l
RT: 9.222 min Scan# 1298
Delta R.T. -0.159 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

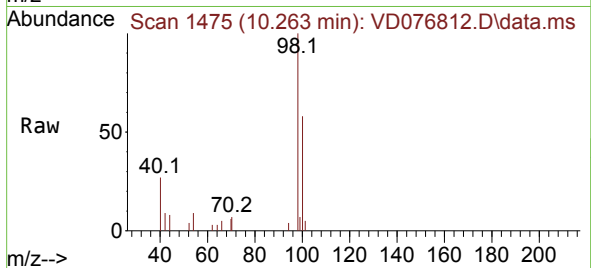
Tgt Ion:	41	Resp:	53
Ion	Ratio	Lower	Upper
41	100		
69	0.0	102.2	153.2#
39	137.7	41.4	62.2#



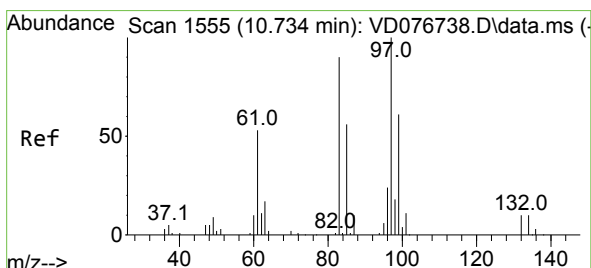
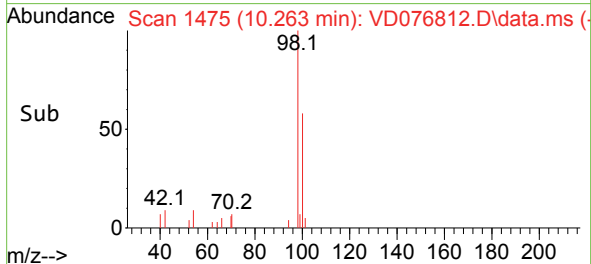
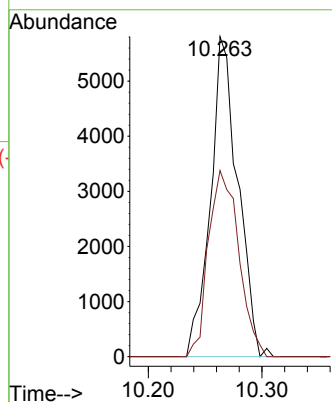


#50
Toluene-d8
Concen: 54.695 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

Instrument :
MSVOA_D
ClientSampleId :

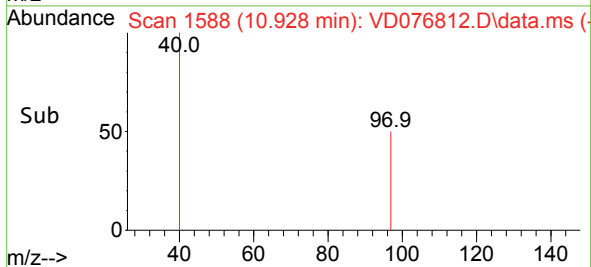
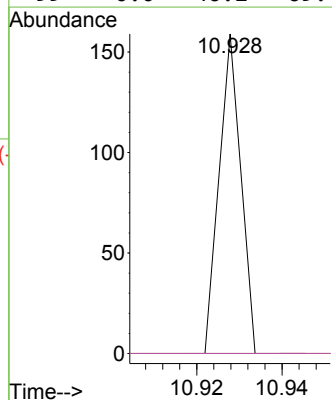
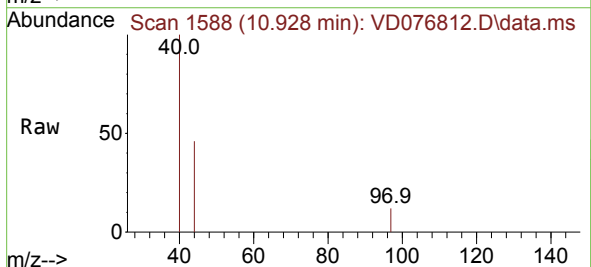


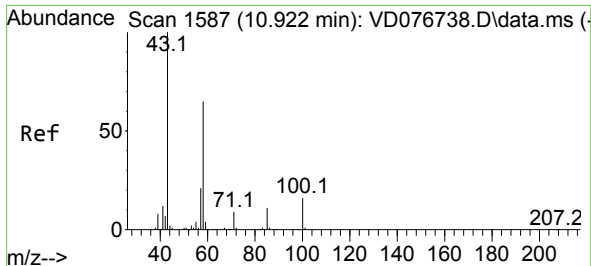
Tgt Ion: 98 Resp: 9700
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#55
1,1,2-Trichloroethane
Concen: 1.242 ug/l
RT: 10.928 min Scan# 1588
Delta R.T. 0.194 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

Tgt Ion: 97 Resp: 56
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.6#
85 0.0 45.7 68.5#
99 0.0 46.2 69.4#





#59

2-Hexanone

Concen: 5.866 ug/l

RT: 10.734 min Scan# 11

Delta R.T. -0.188 min

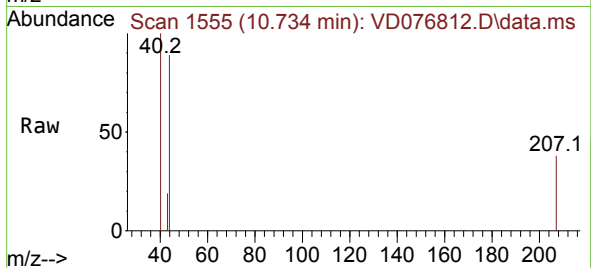
Lab File: VD076812.D

Acq: 26 Jul 2023 18:12

Instrument :

MSVOA_D

ClientSampleId :

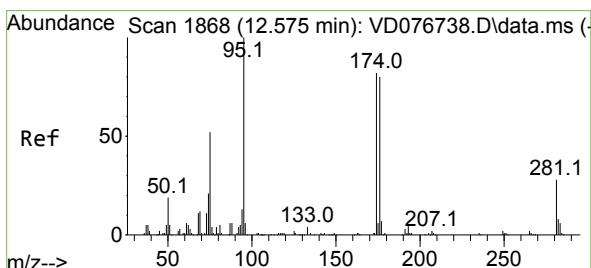
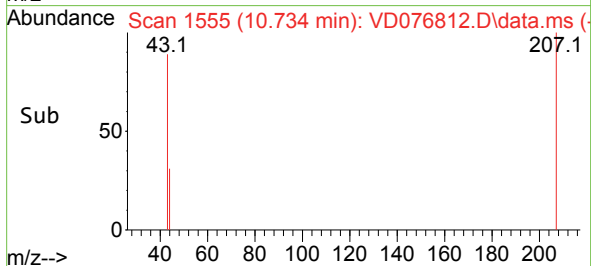
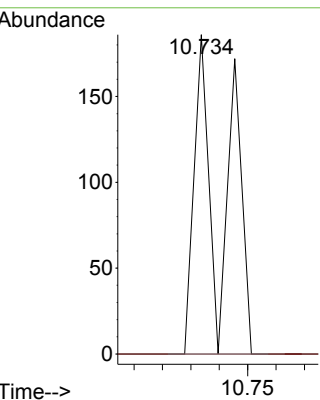


Tgt Ion: 43 Resp: 126

Ion Ratio Lower Upper

43 100

58 0.0 34.1 102.2#



#62

4-Bromofluorobenzene

Concen: 48.577 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076812.D

Acq: 26 Jul 2023 18:12

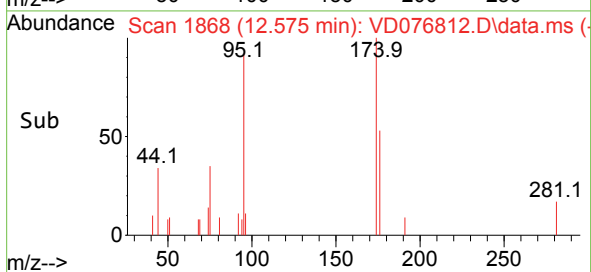
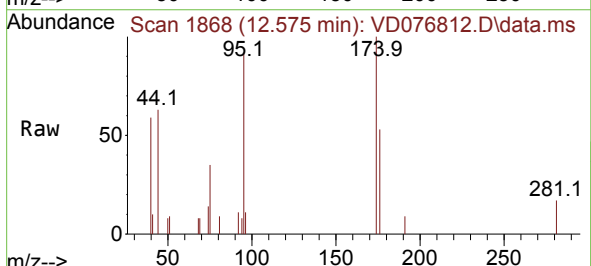
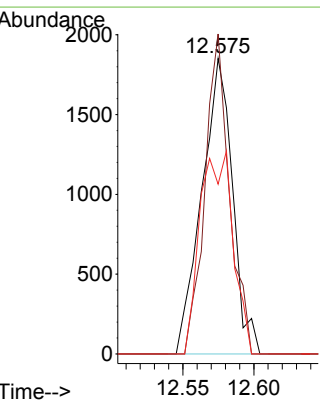
Tgt Ion: 95 Resp: 2787

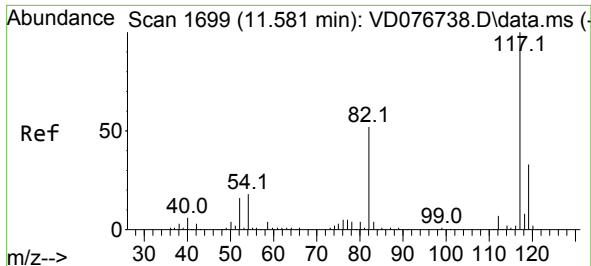
Ion Ratio Lower Upper

95 100

174 85.9 0.0 201.8

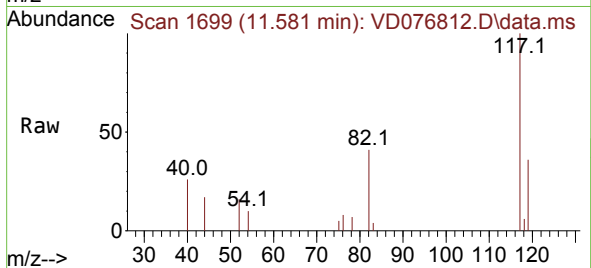
176 73.4 0.0 191.8



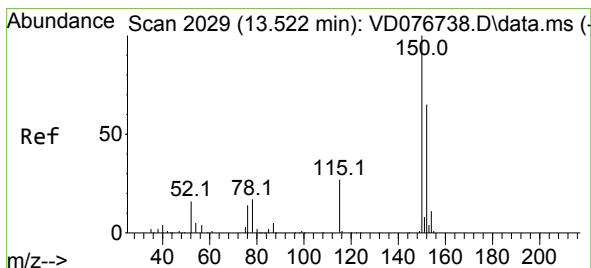
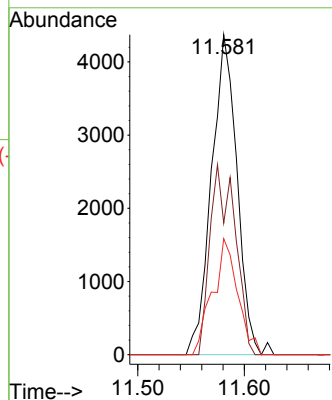
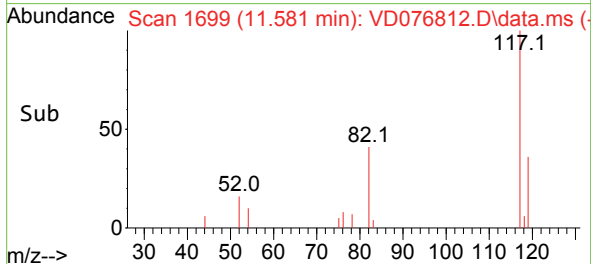


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

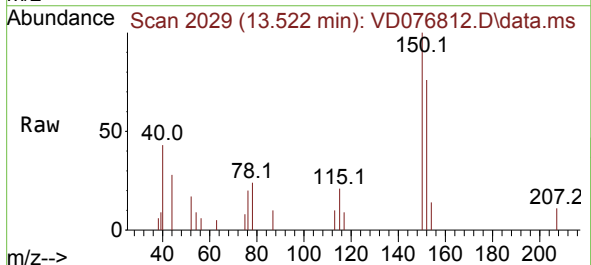
Instrument :
MSVOA_D
ClientSampleId :



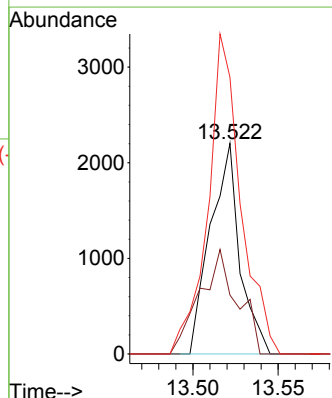
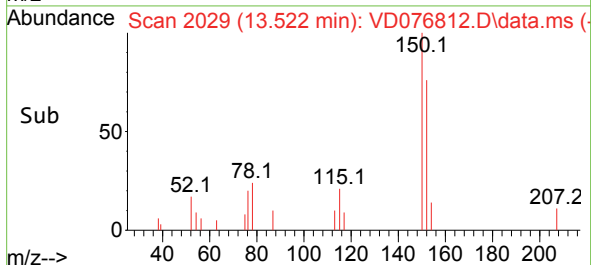
Tgt Ion:117 Resp: 7281
Ion Ratio Lower Upper
117 100
82 41.1 38.3 57.5
119 36.3 25.0 37.4

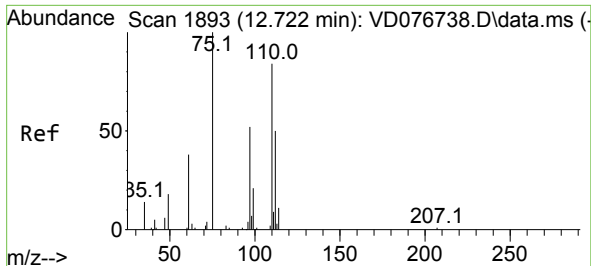


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12



Tgt Ion:152 Resp: 2647
Ion Ratio Lower Upper
152 100
115 62.8 27.1 81.3
150 169.1 0.0 353.6

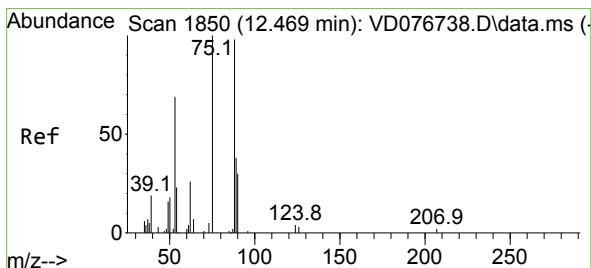
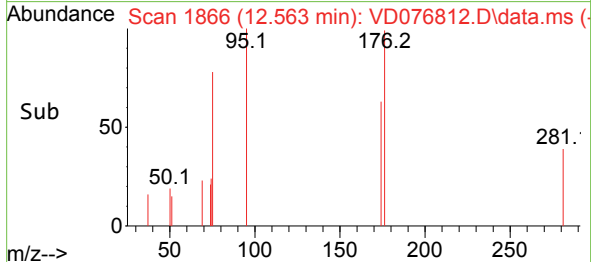
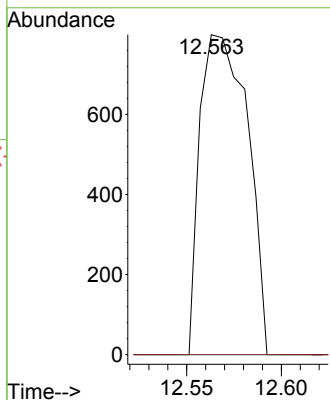
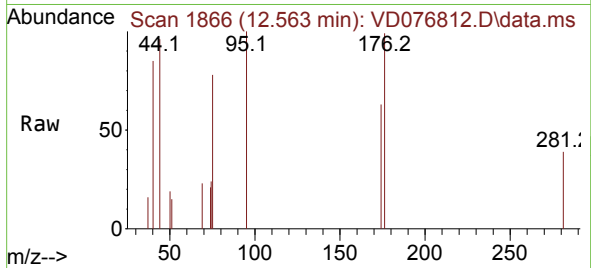




#76
1,2,3-Trichloropropane
Concen: 55.497 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.159 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

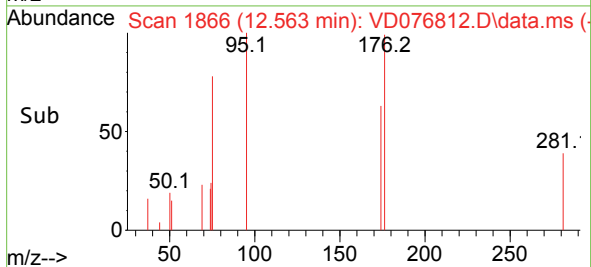
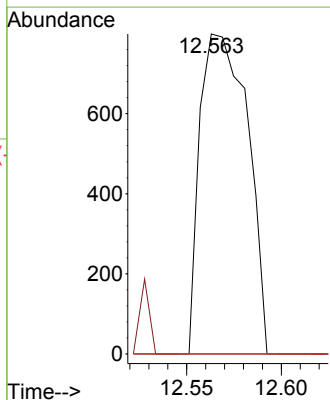
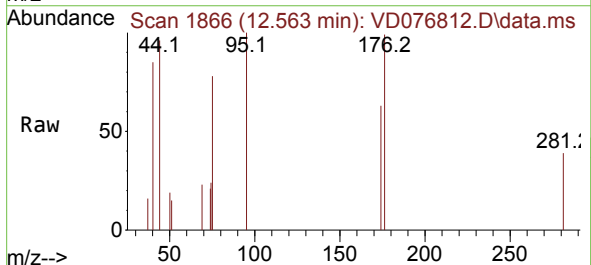
Instrument :
MSVOA_D
ClientSampleId :

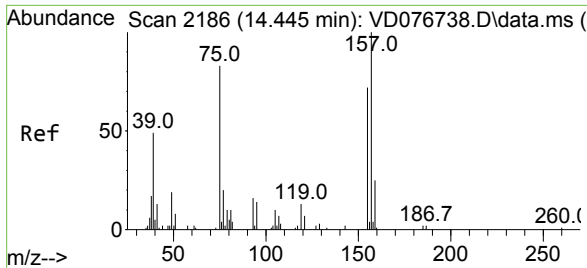
Tgt Ion: 75 Resp: 1397
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 118.111 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.094 min
Lab File: VD076812.D
Acq: 26 Jul 2023 18:12

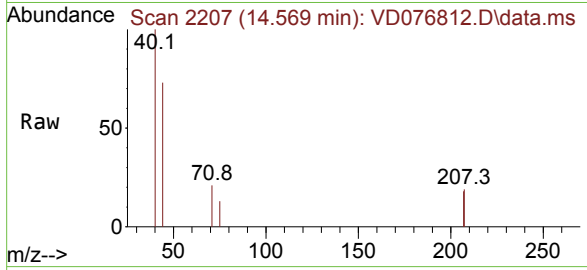
Tgt Ion: 75 Resp: 1397
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.206 ug/l
 RT: 14.569 min Scan# 21
 Delta R.T. 0.124 min
 Lab File: VD076812.D
 Acq: 26 Jul 2023 18:12

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	60
Ion Ratio	Lower	Upper	
75	100		
155	0.0	47.9	143.8#
157	0.0	59.9	179.7#

