

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032124\
 Data File : VN081522.D
 Acq On : 21 Mar 2024 16:13
 Operator : JC\MD
 Sample : P1798-05 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-5

Quant Time: Mar 22 05:08:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

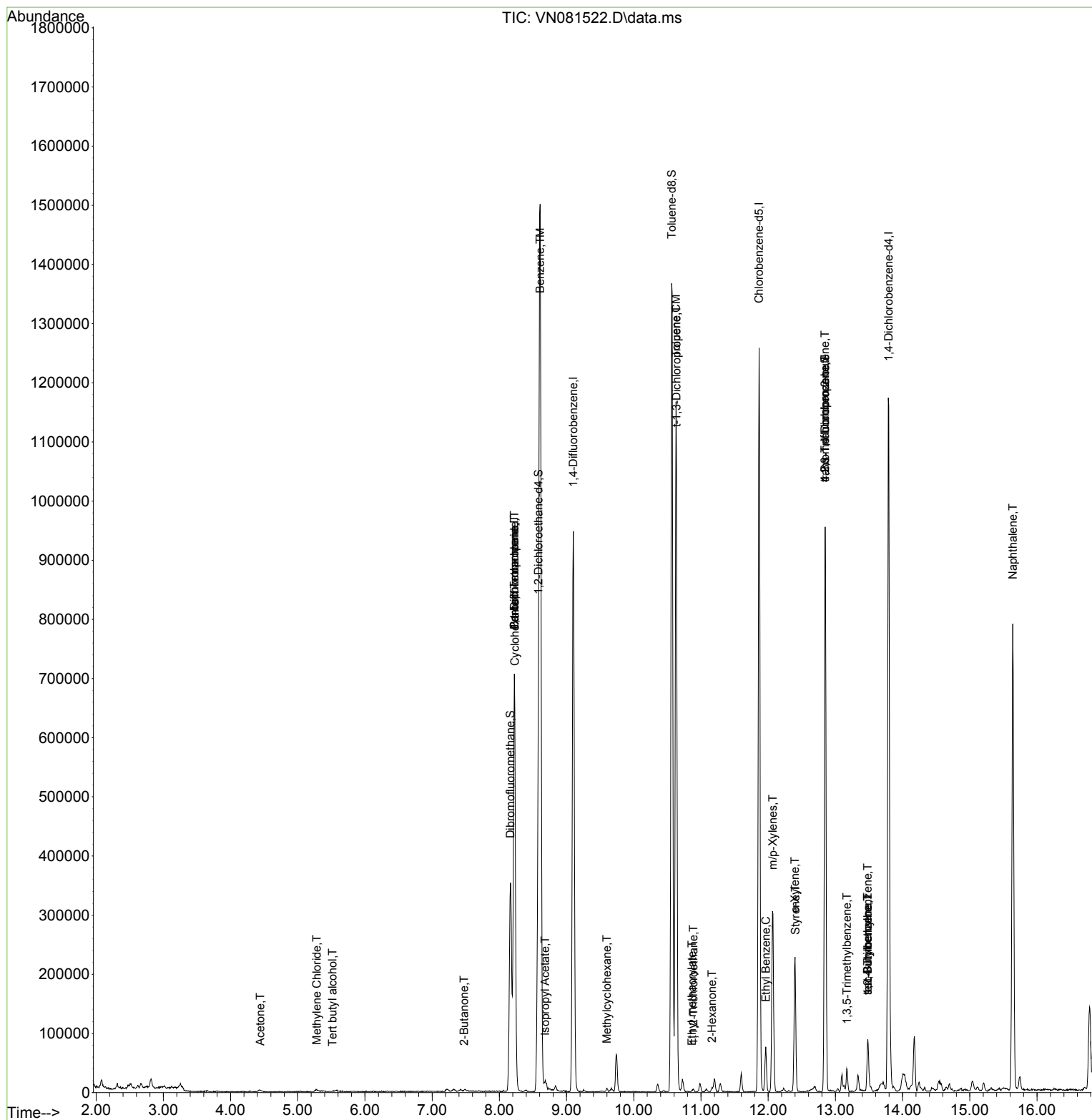
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	496526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	859766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	742257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	324926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	304282	48.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.100%		
35) Dibromofluoromethane	8.165	113	261702	48.231	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.460%		
50) Toluene-d8	10.565	98	996615	50.811	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.620%		
62) 4-Bromofluorobenzene	12.847	95	331373	47.946	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	95.900%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	333	0.302	ug/l #	72
16) Acetone	4.442	43	6459	3.156	ug/l #	77
20) Methylene Chloride	5.283	84	2426	0.362	ug/l	93
25) 2-Butanone	7.477	43	1751	0.499	ug/l	95
31) Cyclohexane	8.230	56	15212	1.476	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	39855	4.365	ug/l #	51
38) Carbon Tetrachloride	8.224	117	54846	5.483	ug/l #	18
39) Methylcyclohexane	9.600	83	2156	0.211	ug/l #	75
40) Benzene	8.606	78	1513866	56.707	ug/l	96
43) Isopropyl Acetate	8.683	43	15185	1.172	ug/l #	80
52) Toluene	10.630	92	517089	30.475	ug/l	98
53) t-1,3-Dichloropropene	10.635	75	6948	0.670	ug/l #	1
55) 1,1,2-Trichloroethane	10.888	97	3463	0.507	ug/l #	13
56) Ethyl methacrylate	10.865	69	55	0.576	ug/l #	20
59) 2-Hexanone	11.165	43	4454	0.762	ug/l #	26
67) Ethyl Benzene	11.965	91	50406	1.654	ug/l	98
68) m/p-Xylenes	12.071	106	99146	8.677	ug/l	95
69) o-Xylene	12.400	106	64247	5.727	ug/l	93
70) Styrene	12.406	104	10305	0.570	ug/l #	3
76) 1,2,3-Trichloropropane	12.847	75	170357	21.918	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.171	105	19498	0.852	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.847	75	170357	59.230	ug/l #	14
83) tert-Butylbenzene	13.482	119	6718	0.341	ug/l #	81
84) 1,2,4-Trimethylbenzene	13.482	105	52652	2.290	ug/l	96
85) sec-Butylbenzene	13.482	105	52652	1.867	ug/l #	60
95) Naphthalene	15.641	128	736845	32.505	ug/l	99

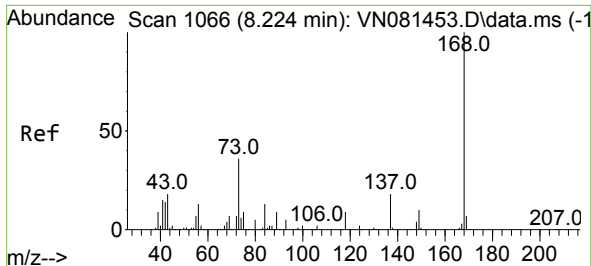
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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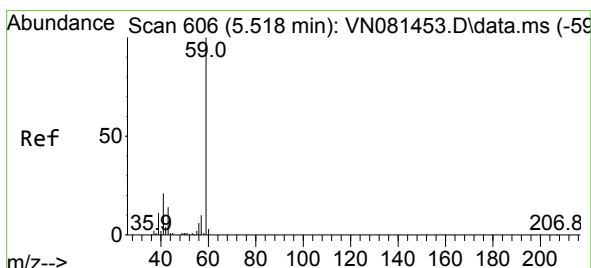
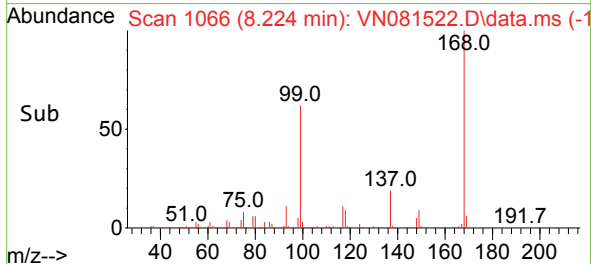
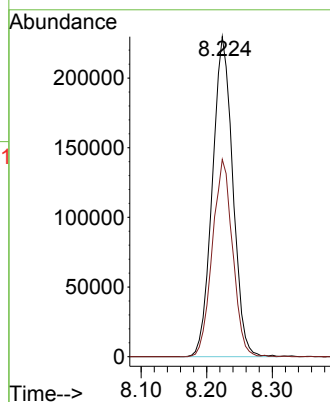
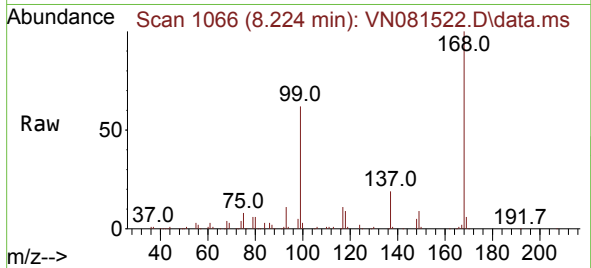




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

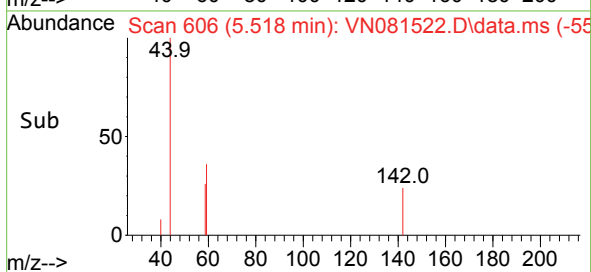
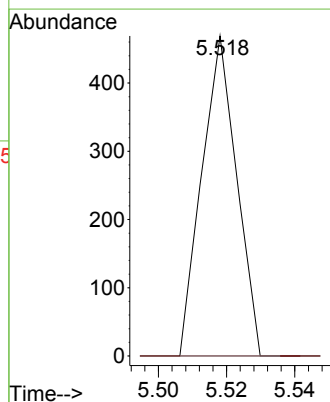
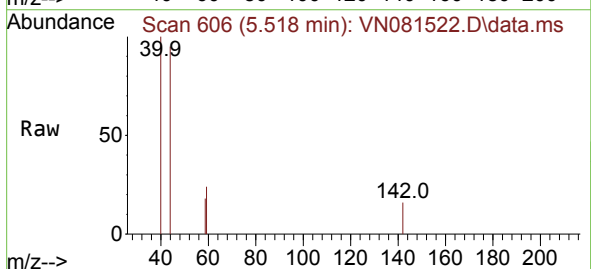
Instrument :
MSVOA_N
ClientSampleId :
S-5

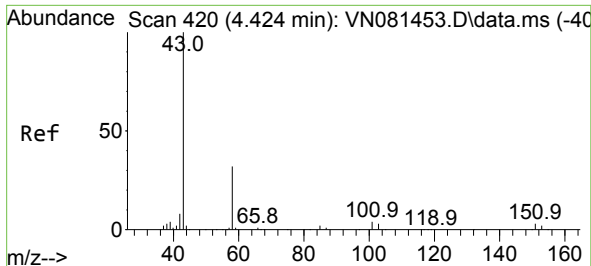
Tgt Ion:168 Resp: 496526
Ion Ratio Lower Upper
168 100
99 61.6 59.9 89.9



#11
Tert butyl alcohol
Concen: 0.302 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 59 Resp: 333
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

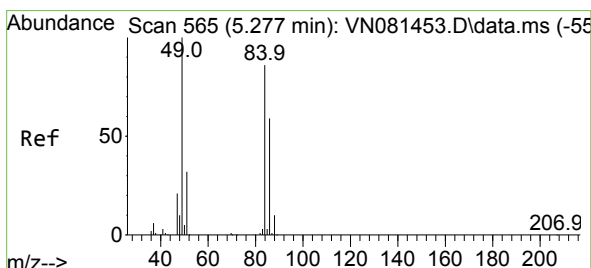
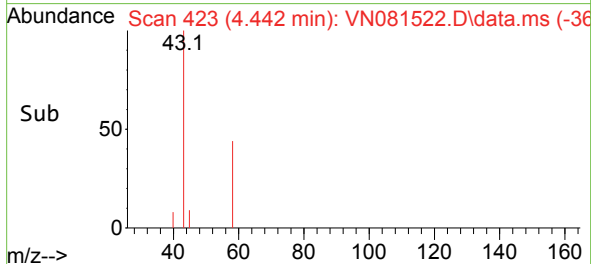
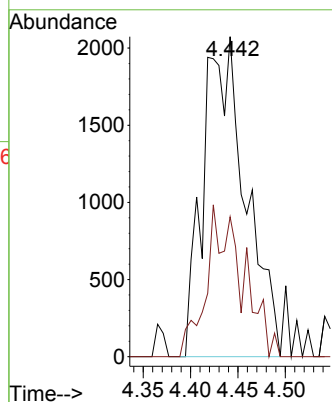
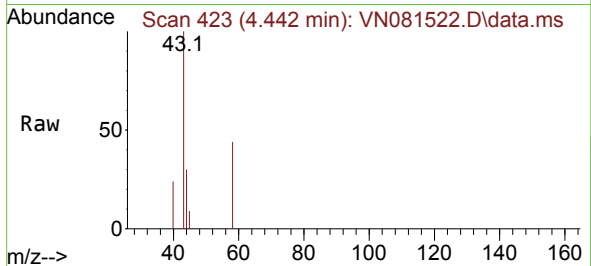




#16
Acetone
Concen: 3.156 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

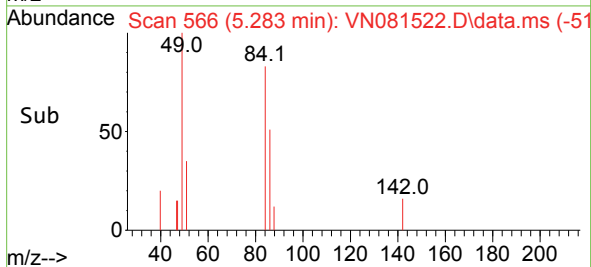
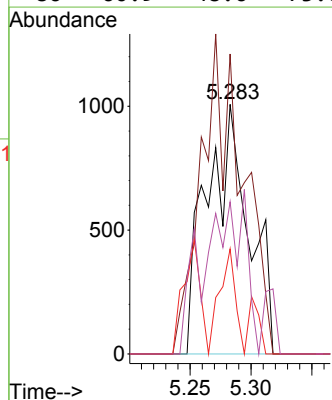
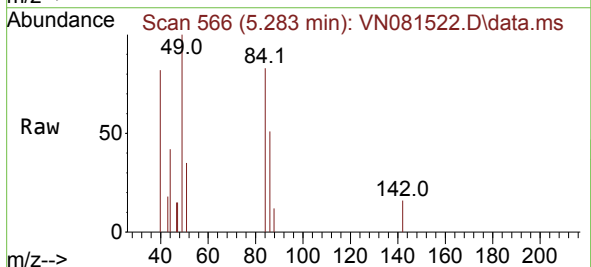
Instrument :
MSVOA_N
ClientSampleId :
S-5

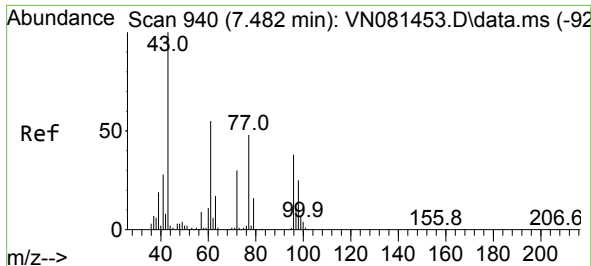
Tgt Ion: 43 Resp: 6459
Ion Ratio Lower Upper
43 100
58 43.7 24.8 37.2#



#20
Methylene Chloride
Concen: 0.362 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 84 Resp: 2426
Ion Ratio Lower Upper
84 100
49 120.1 108.1 162.1
51 42.1 32.9 49.3
86 60.9 48.6 73.0

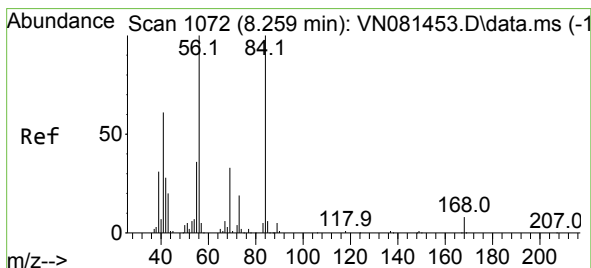
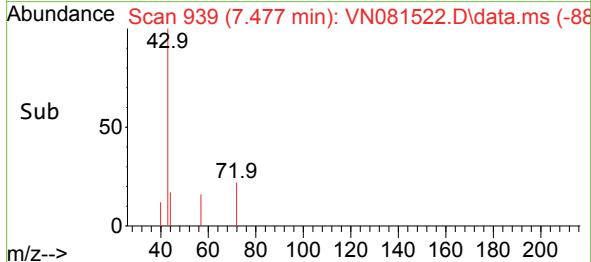
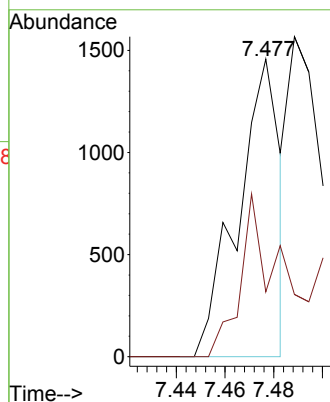
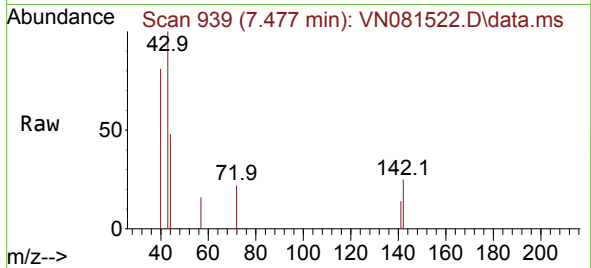




#25
2-Butanone
Concen: 0.499 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

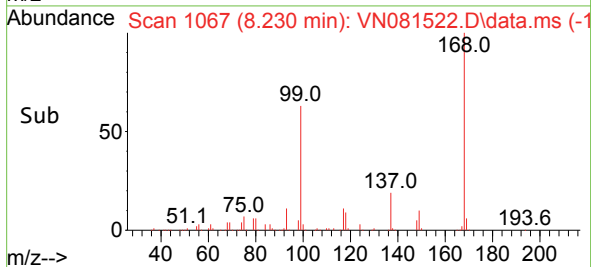
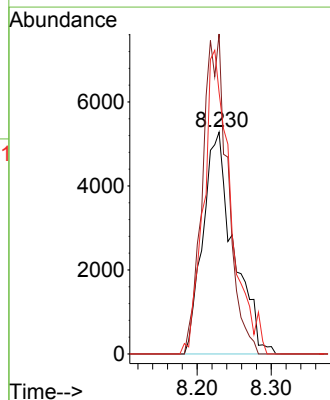
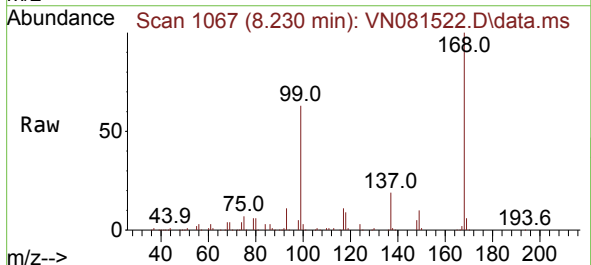
Instrument :
MSVOA_N
ClientSampleId :
S-5

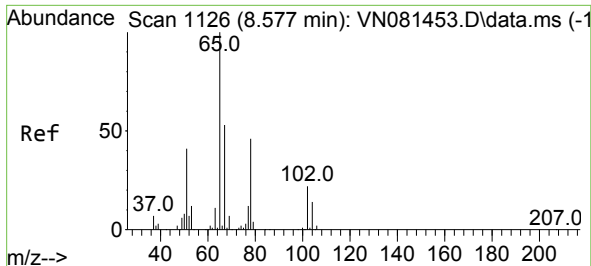
Tgt Ion: 43 Resp: 1751
Ion Ratio Lower Upper
43 100
72 21.8 19.5 29.3



#31
Cyclohexane
Concen: 1.476 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 56 Resp: 15212
Ion Ratio Lower Upper
56 100
69 144.3 20.1 30.1#
84 117.9 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.054 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081522.D

Acq: 21 Mar 2024 16:13

Instrument :

MSVOA_N

ClientSampleId :

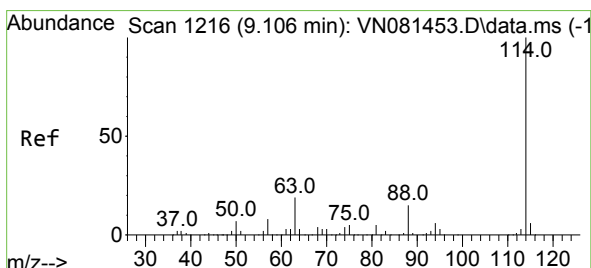
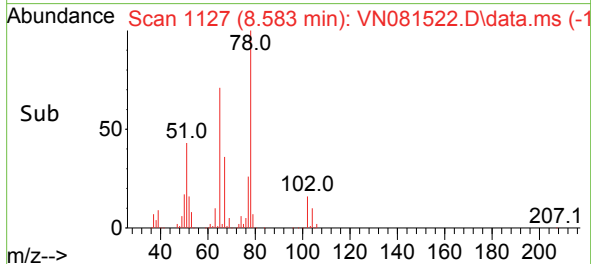
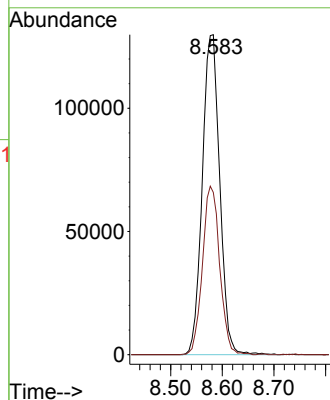
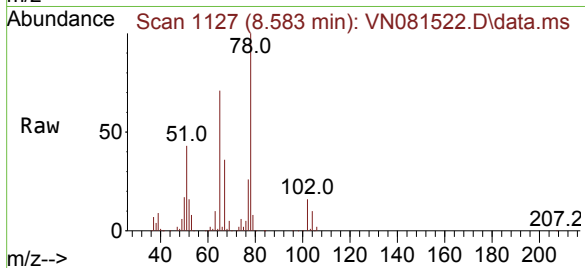
S-5

Tgt Ion: 65 Resp: 304282

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081522.D

Acq: 21 Mar 2024 16:13

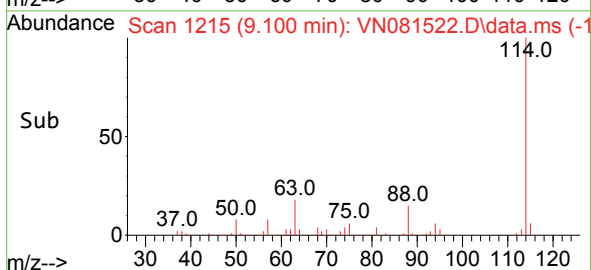
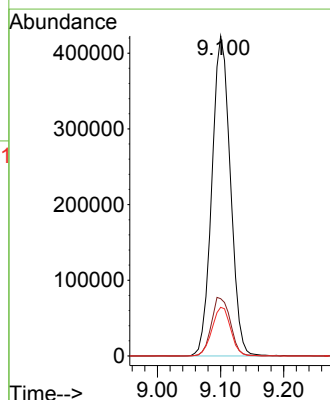
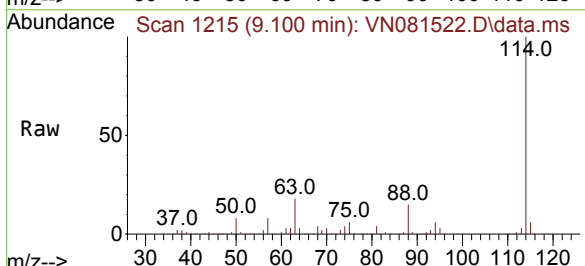
Tgt Ion: 114 Resp: 859766

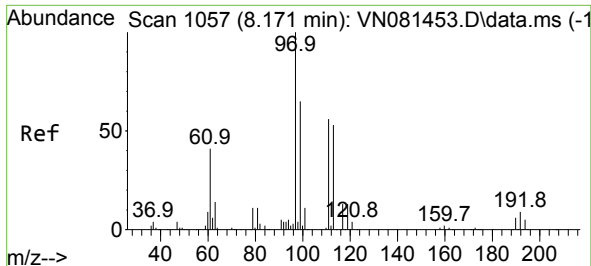
Ion Ratio Lower Upper

114 100

63 17.9 0.0 48.0

88 15.2 0.0 34.8

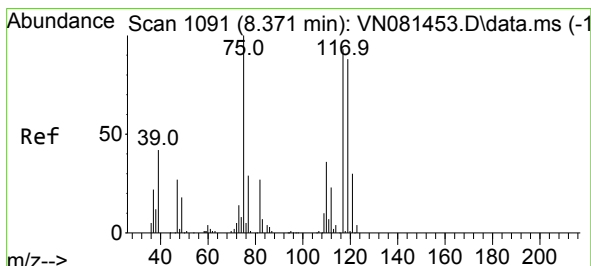
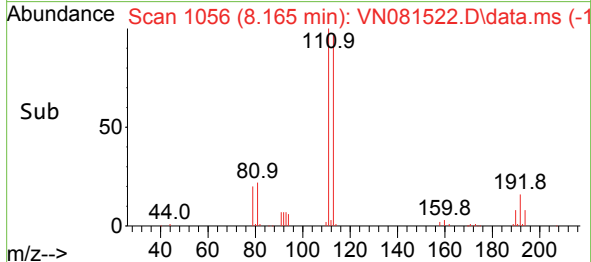
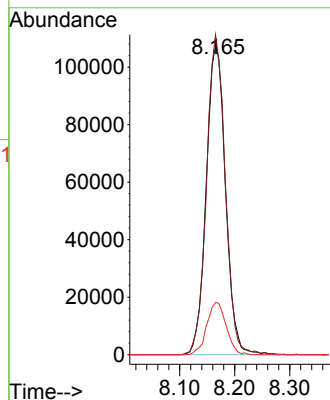
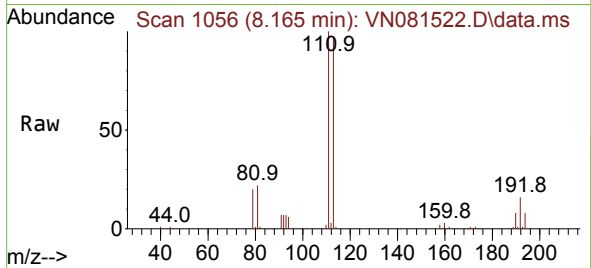




#35
Dibromofluoromethane
Concen: 48.231 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

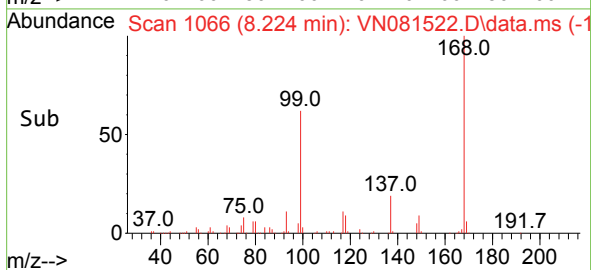
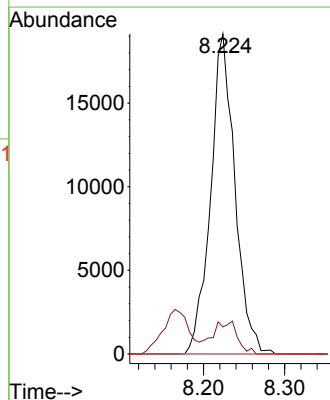
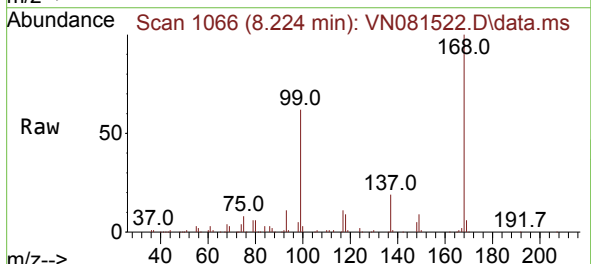
Instrument :
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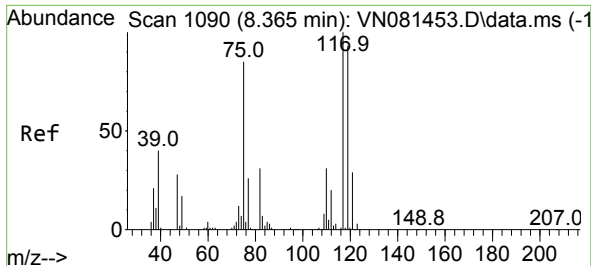
Tgt Ion:113 Resp: 261702
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 17.1 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 75 Resp: 39855
Ion Ratio Lower Upper
75 100
110 9.9 16.0 48.0#
77 0.0 25.8 38.6#

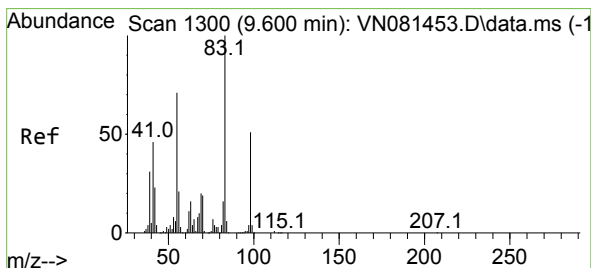
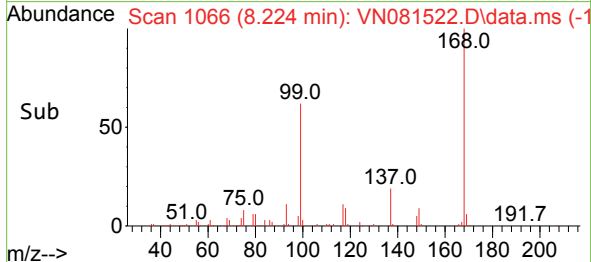
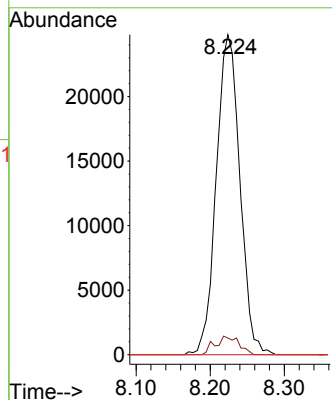
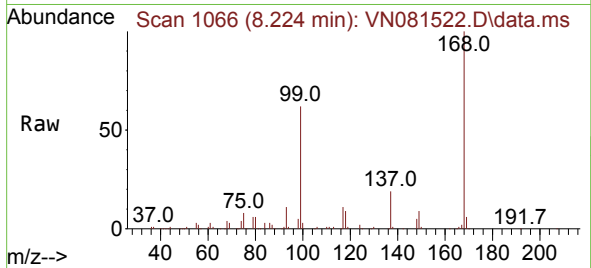




#38
Carbon Tetrachloride
Concen: 5.483 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.141 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

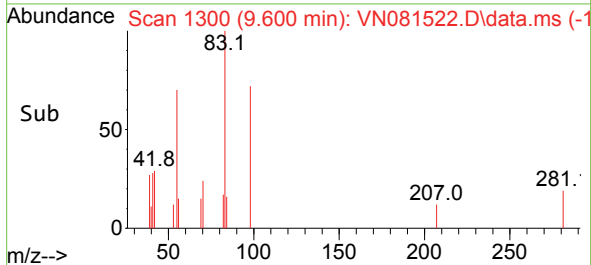
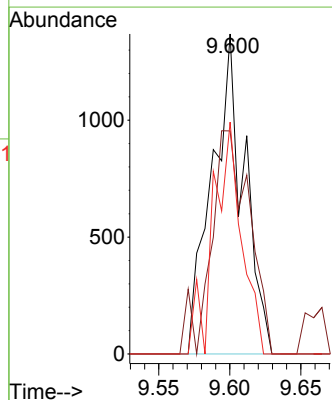
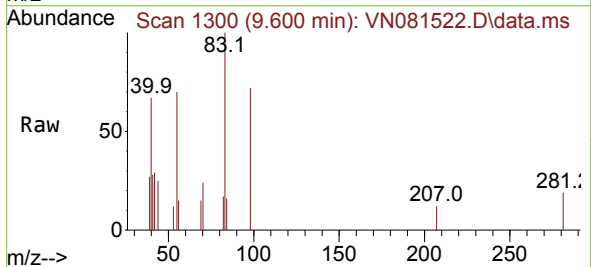
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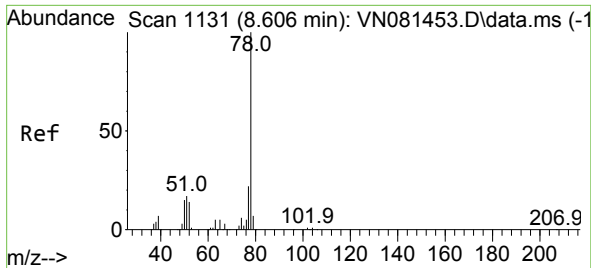
Tgt Ion:117 Resp: 54846
Ion Ratio Lower Upper
117 100
119 5.2 73.4 110.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.211 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 83 Resp: 2156
Ion Ratio Lower Upper
83 100
55 69.7 65.7 98.5
98 72.5 33.8 50.6#

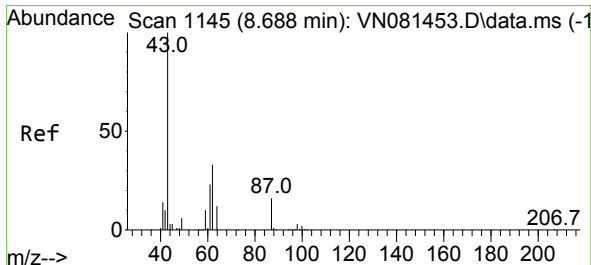
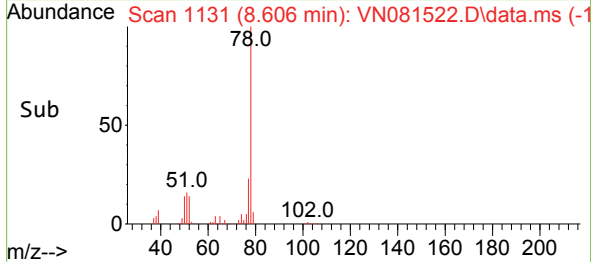
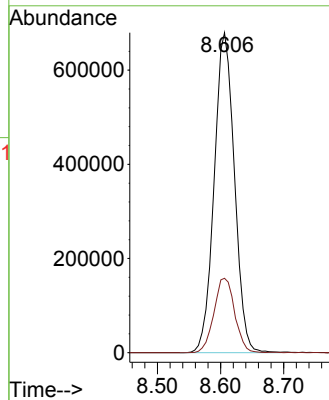
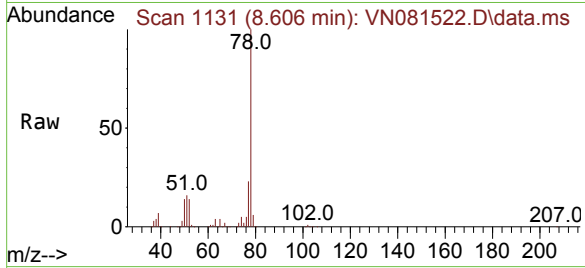




#40
Benzene
Concen: 56.707 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

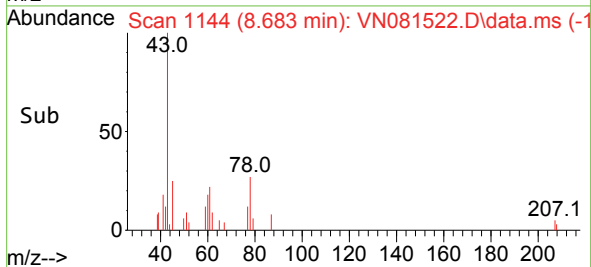
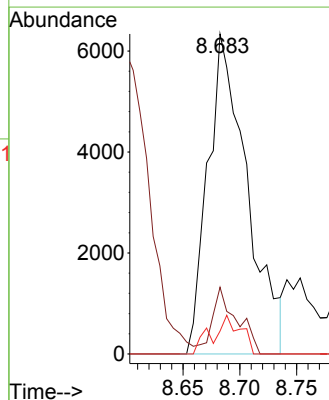
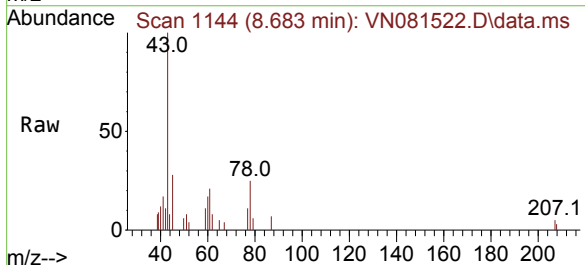
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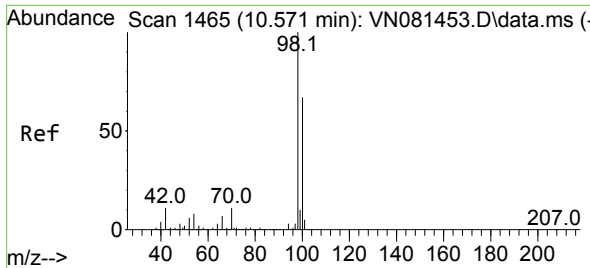
Tgt Ion: 78 Resp: 1513866
Ion Ratio Lower Upper
78 100
77 23.2 20.4 30.6



#43
Isopropyl Acetate
Concen: 1.172 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 43 Resp: 15185
Ion Ratio Lower Upper
43 100
61 13.2 19.9 29.9#
87 6.2 9.0 13.6#

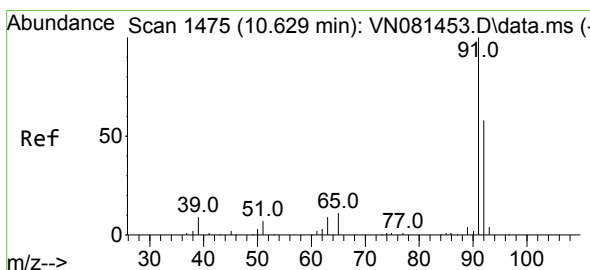
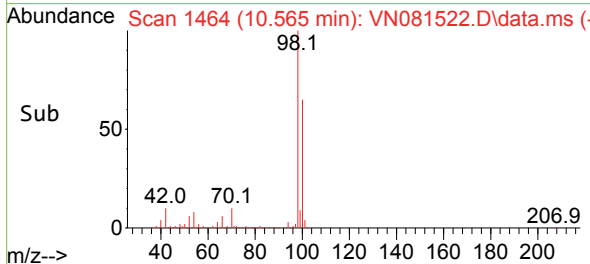
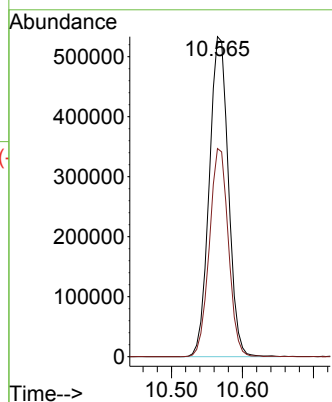
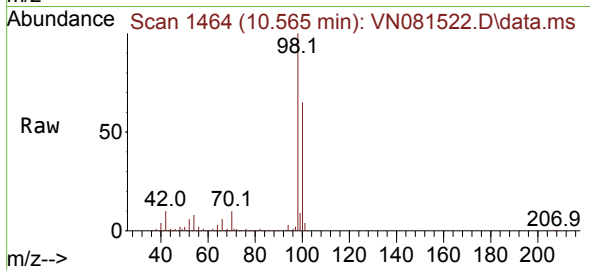




#50
Toluene-d8
Concen: 50.811 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

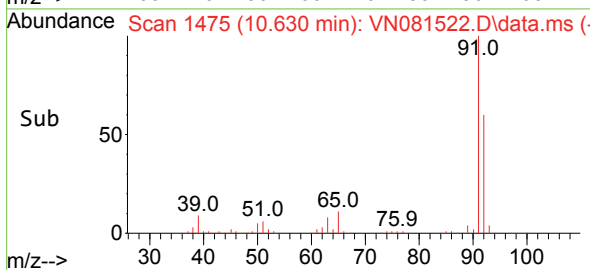
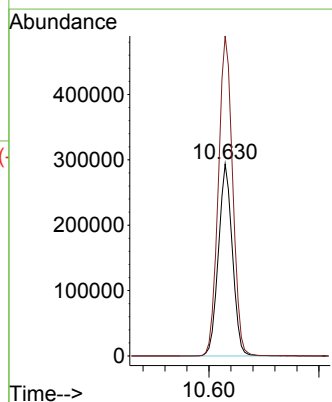
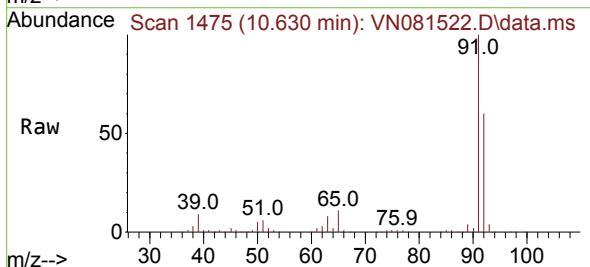
Instrument :
MSVOA_N
ClientSampleId :
S-5

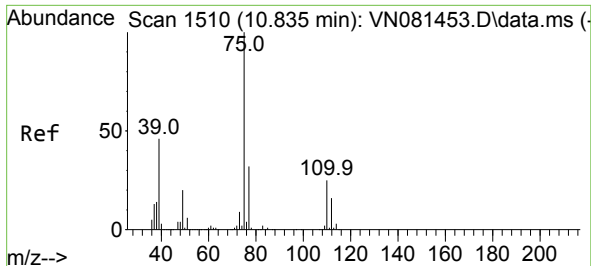
Tgt Ion: 98 Resp: 996615
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#52
Toluene
Concen: 30.475 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 92 Resp: 517089
Ion Ratio Lower Upper
92 100
91 171.1 139.4 209.0

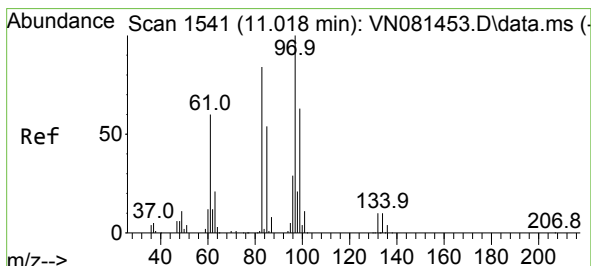
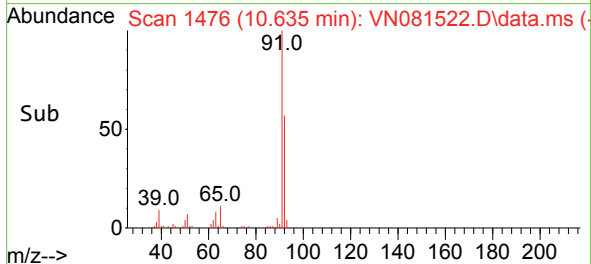
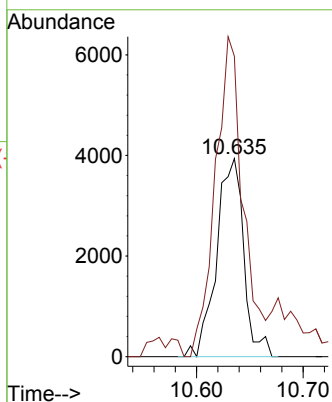
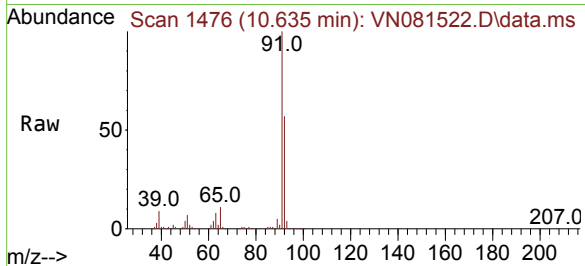




#53
t-1,3-Dichloropropene
Concen: 0.670 ug/l
RT: 10.635 min Scan# 14
Delta R.T. -0.200 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

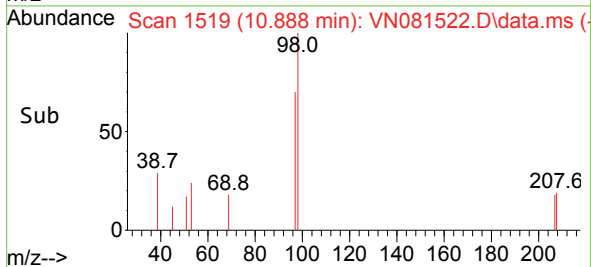
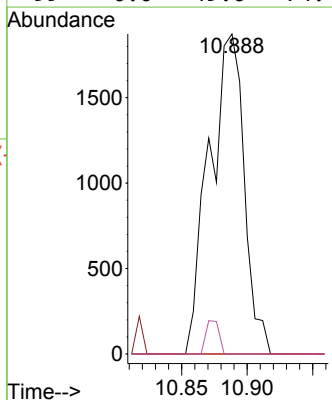
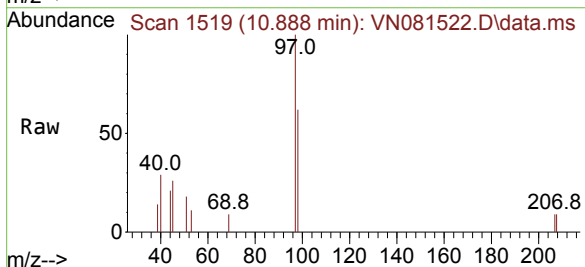
Instrument :
MSVOA_N
ClientSampleId :
S-5

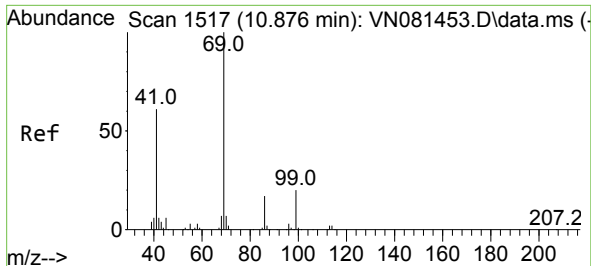
Tgt Ion: 75 Resp: 6948
Ion Ratio Lower Upper
75 100
77 143.5 25.5 38.3#



#55
1,1,2-Trichloroethane
Concen: 0.507 ug/l
RT: 10.888 min Scan# 1519
Delta R.T. -0.129 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 97 Resp: 3463
Ion Ratio Lower Upper
97 100
83 0.0 72.9 109.3#
85 0.0 50.2 75.2#
99 0.0 49.6 74.4#

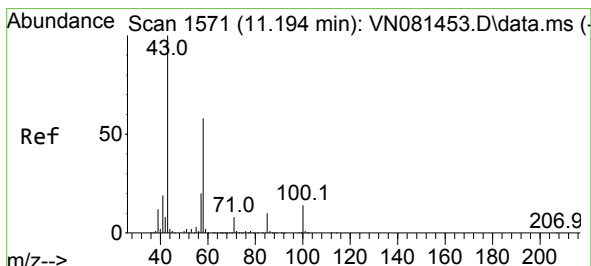
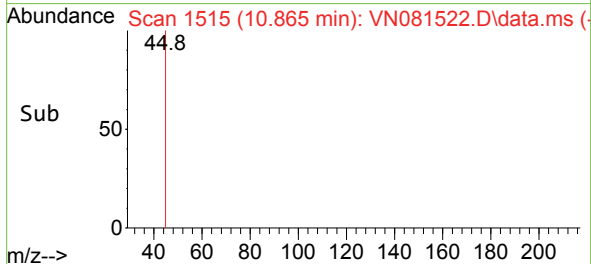
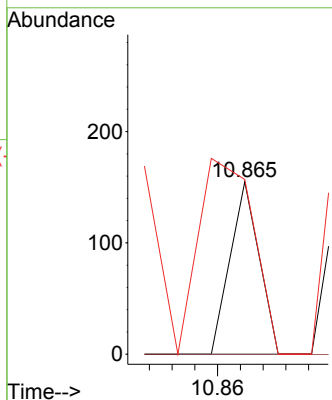
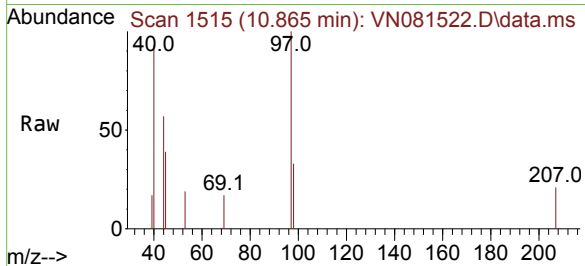




#56
Ethyl methacrylate
Concen: 0.576 ug/l
RT: 10.865 min Scan# 1515
Delta R.T. -0.011 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

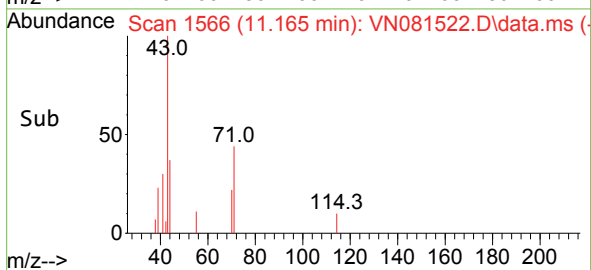
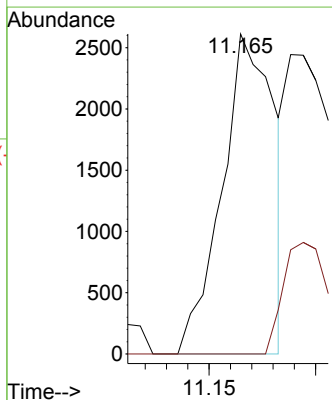
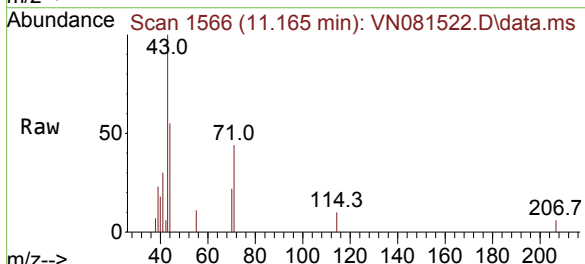
Instrument :
MSVOA_N
ClientSampleId :
S-5

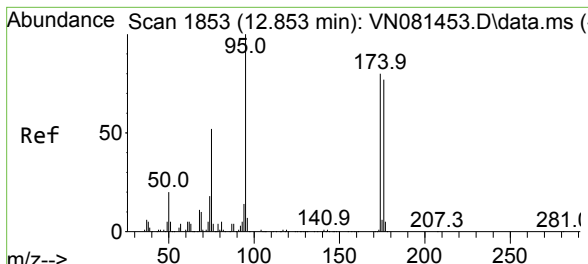
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#



#59
2-Hexanone
Concen: 0.762 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.029 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 43 Resp: 4454
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

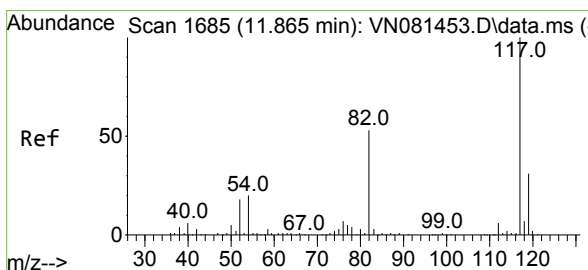
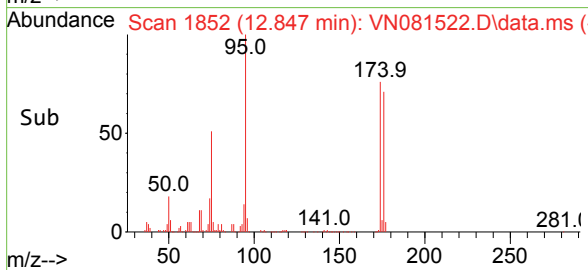
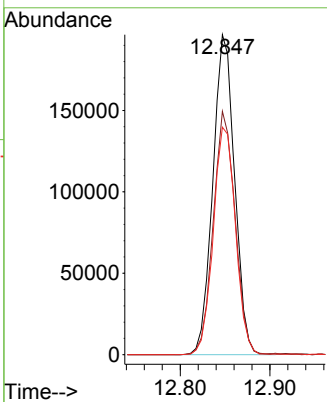
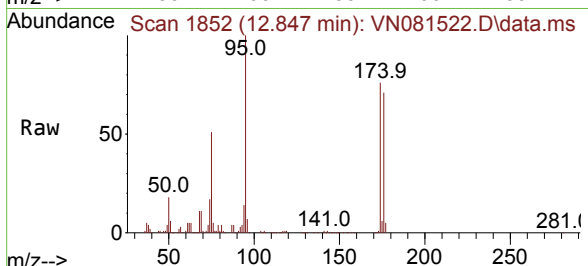




#62
4-Bromofluorobenzene
Concen: 47.946 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

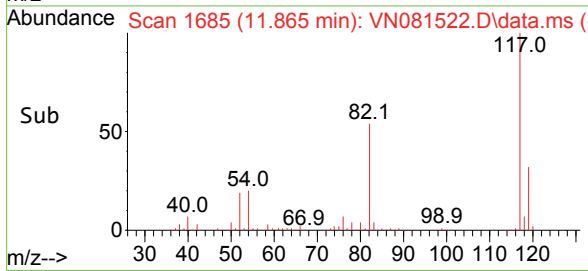
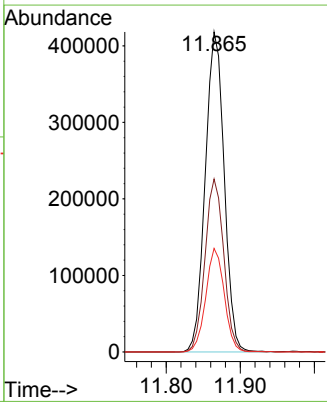
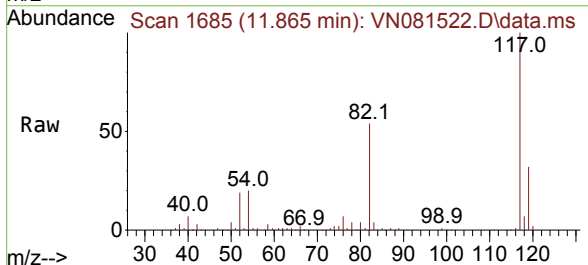
Instrument : MSVOA_N
ClientSampleId : S-5

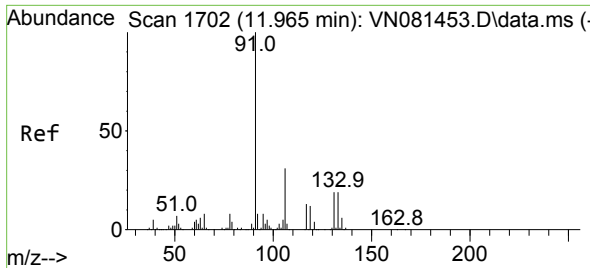
Tgt Ion:	95	Resp:	331373
Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	120.4
176	72.8	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion:	117	Resp:	742257
Ion	Ratio	Lower	Upper
117	100		
82	54.1	52.7	79.1
119	32.4	25.3	37.9

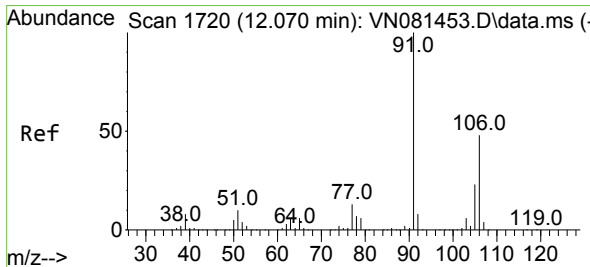
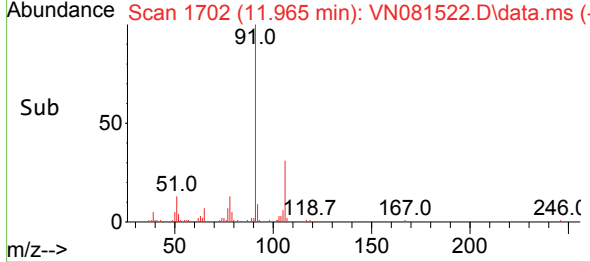
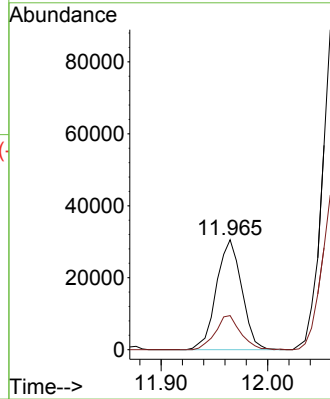
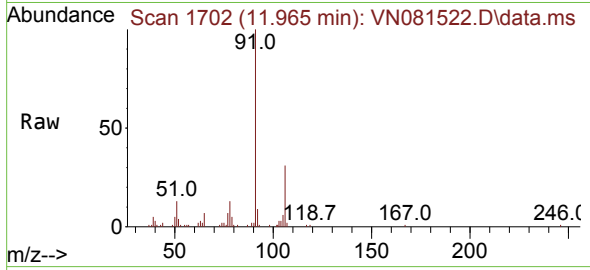




#67
Ethyl Benzene
Concen: 1.654 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

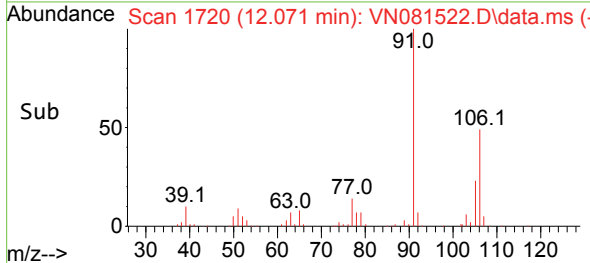
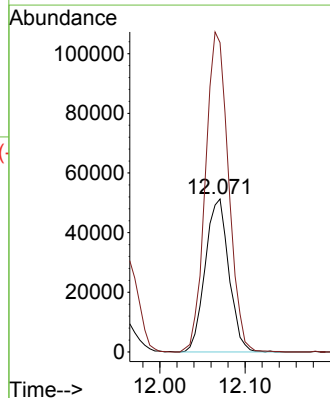
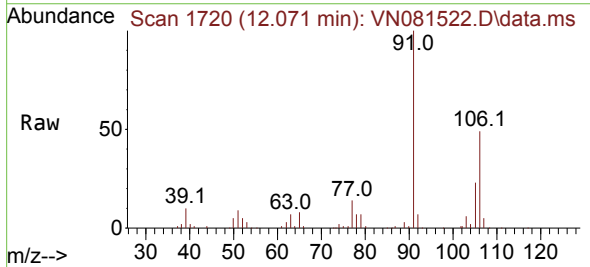
Instrument :
MSVOA_N
ClientSampleId :
S-5

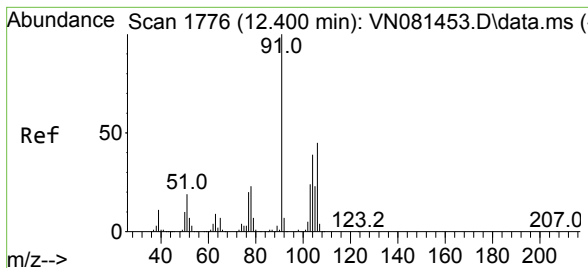
Tgt Ion: 91 Resp: 50406
Ion Ratio Lower Upper
91 100
106 30.9 23.8 35.6



#68
m/p-Xylenes
Concen: 8.677 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion:106 Resp: 99146
Ion Ratio Lower Upper
106 100
91 204.2 169.0 253.6





#69

o-Xylene

Concen: 5.727 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN081522.D

Acq: 21 Mar 2024 16:13

Instrument :

MSVOA_N

ClientSampleId :

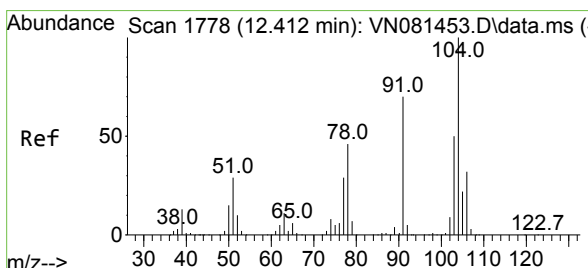
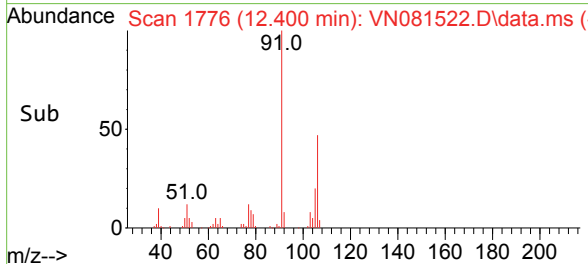
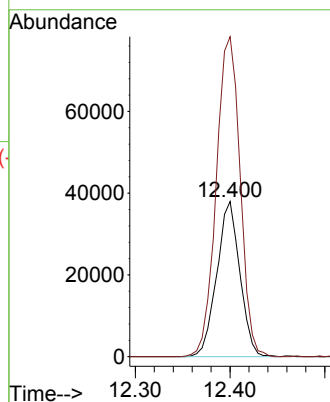
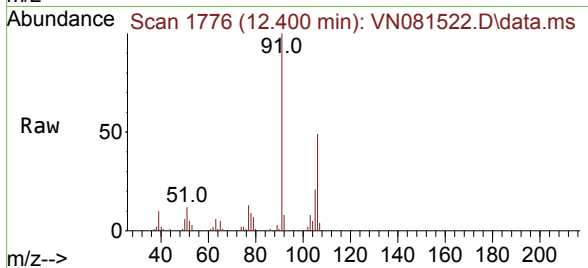
S-5

Tgt Ion:106 Resp: 64247

Ion Ratio Lower Upper

106 100

91 213.4 112.1 336.3



#70

Styrene

Concen: 0.570 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.006 min

Lab File: VN081522.D

Acq: 21 Mar 2024 16:13

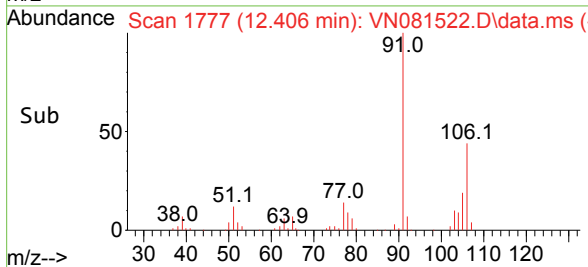
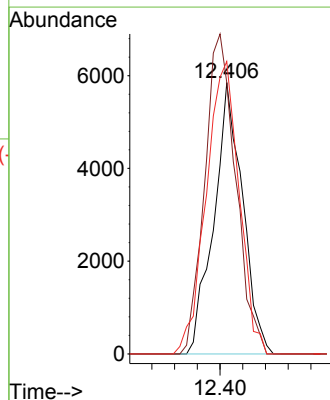
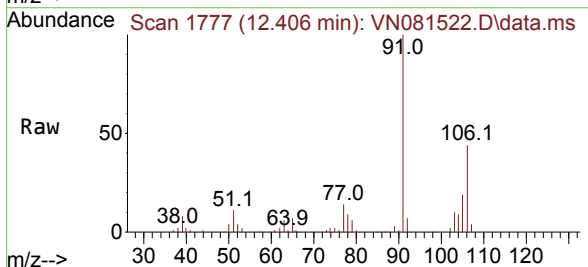
Tgt Ion:104 Resp: 10305

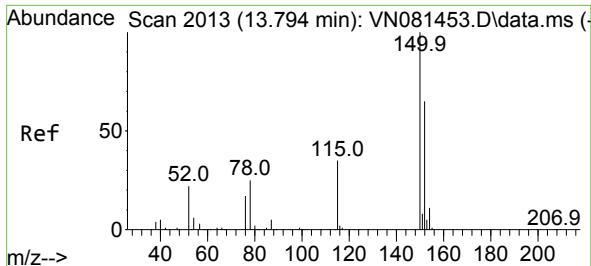
Ion Ratio Lower Upper

104 100

78 126.7 43.8 65.8#

103 123.0 44.2 66.2#

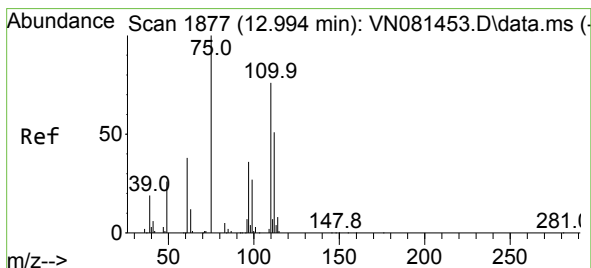
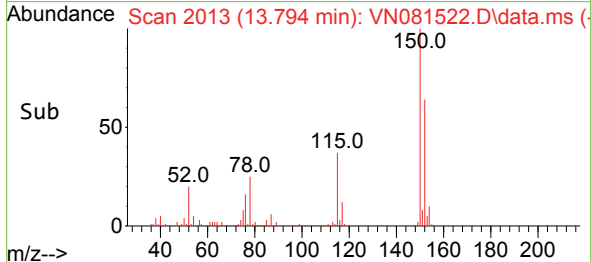
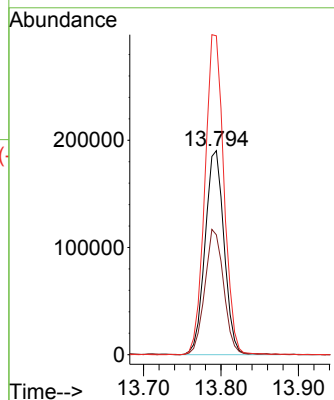
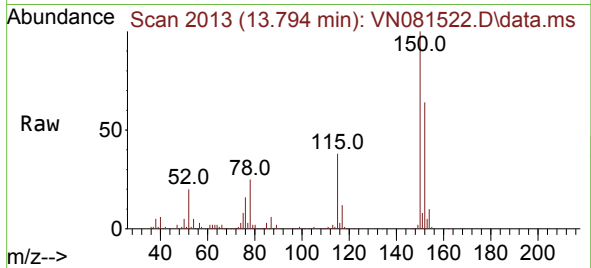




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081522.D
 Acq: 21 Mar 2024 16:13

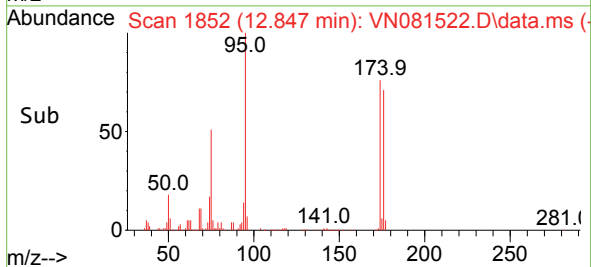
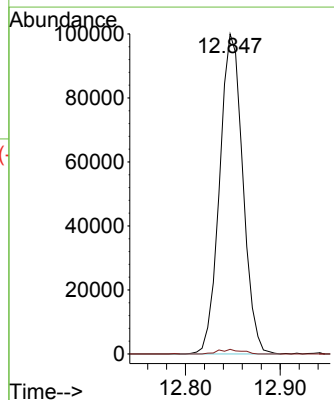
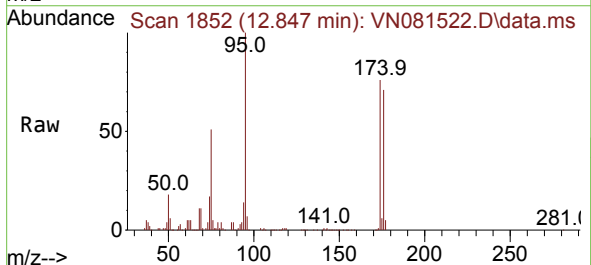
Instrument :
 MSVOA_N
 ClientSampleId :
 S-5

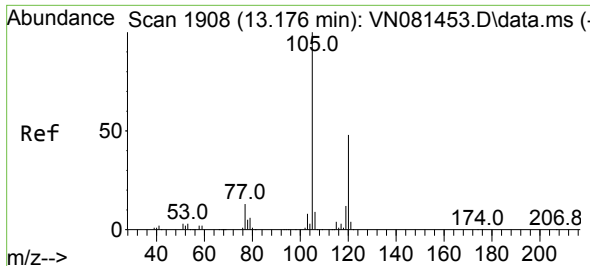
Tgt Ion:152 Resp: 324926
 Ion Ratio Lower Upper
 152 100
 115 60.8 32.3 96.8
 150 156.4 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 21.918 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081522.D
 Acq: 21 Mar 2024 16:13

Tgt Ion: 75 Resp: 170357
 Ion Ratio Lower Upper
 75 100
 77 1.4 91.0 272.8#

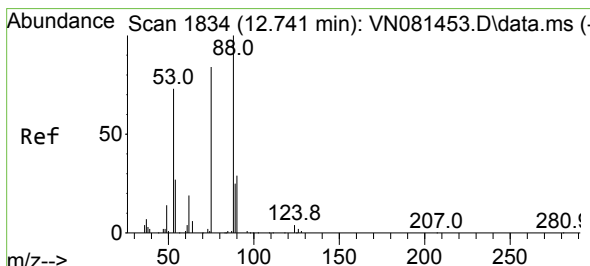
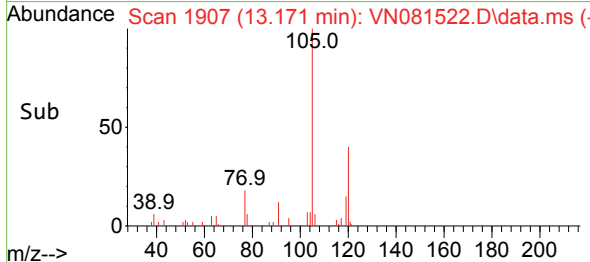
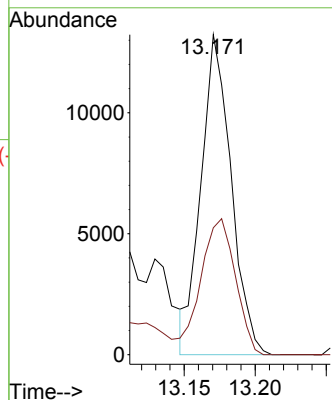
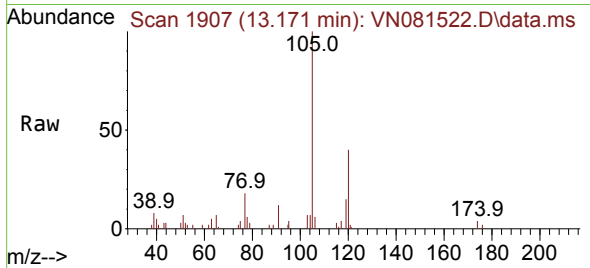




#80
1,3,5-Trimethylbenzene
Concen: 0.852 ug/l
RT: 13.171 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

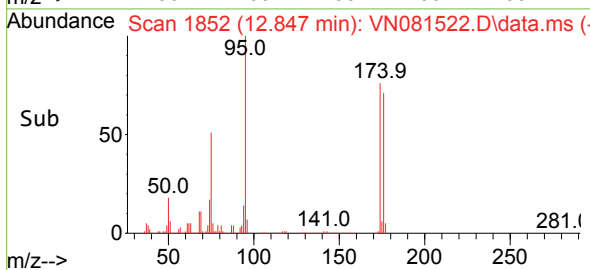
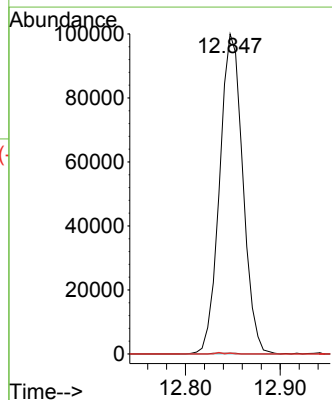
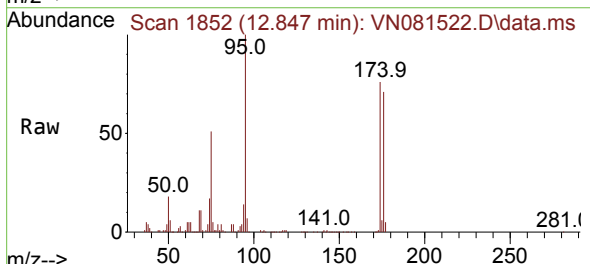
Instrument :
MSVOA_N
ClientSampleId :
S-5

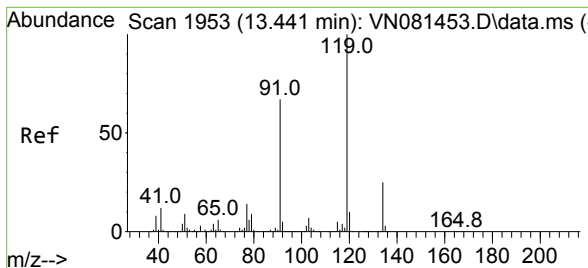
Tgt Ion:105 Resp: 19498
Ion Ratio Lower Upper
105 100
120 49.6 23.0 69.0



#81
trans-1,4-Dichloro-2-butene
Concen: 59.230 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion: 75 Resp: 170357
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.2#
89 0.2 33.4 50.0#





#83

tert-Butylbenzene

Concen: 0.341 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.041 min

Lab File: VN081522.D

Acq: 21 Mar 2024 16:13

Instrument :

MSVOA_N

ClientSampleId :

S-5

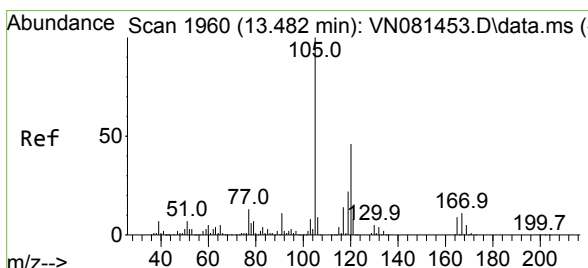
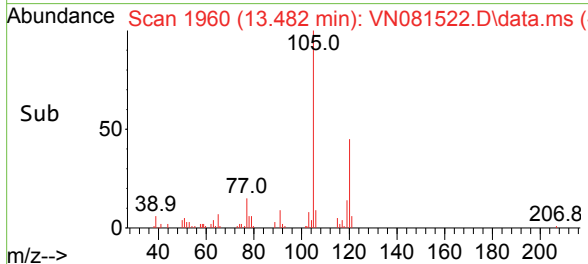
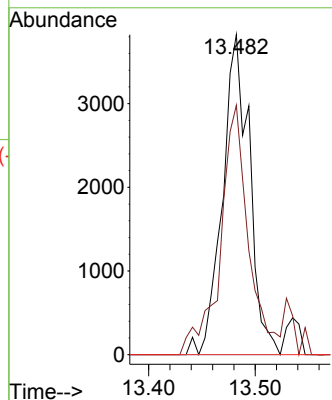
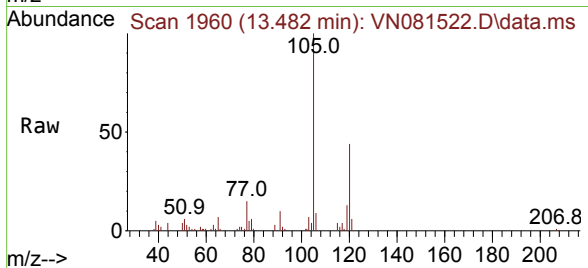
Tgt Ion:119 Resp: 6718

Ion Ratio Lower Upper

119 100

91 81.0 36.8 110.4

134 0.0 12.4 37.4#



#84

1,2,4-Trimethylbenzene

Concen: 2.290 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081522.D

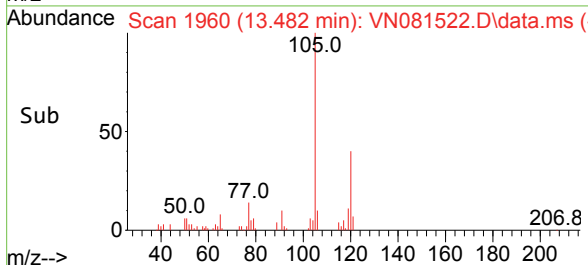
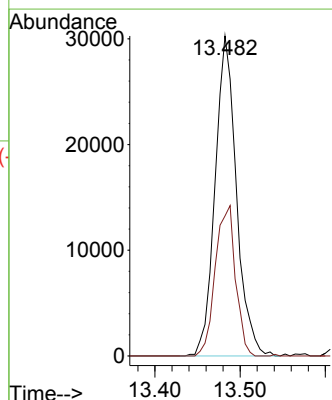
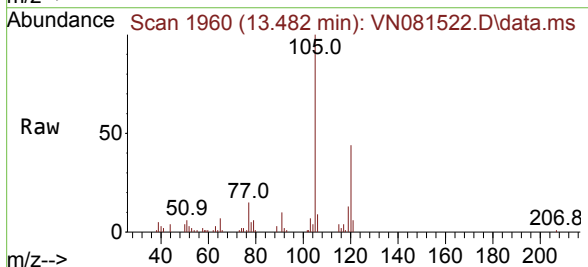
Acq: 21 Mar 2024 16:13

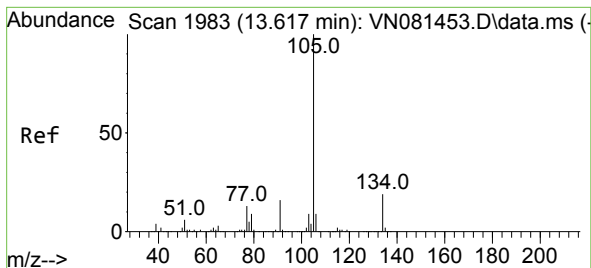
Tgt Ion:105 Resp: 52652

Ion Ratio Lower Upper

105 100

120 44.5 20.9 62.7

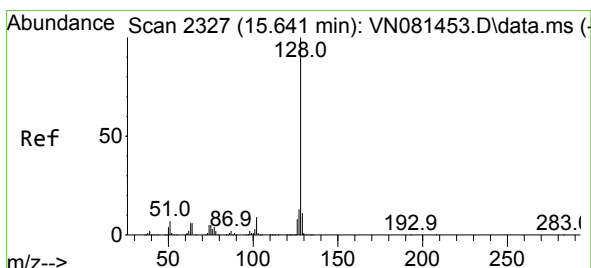
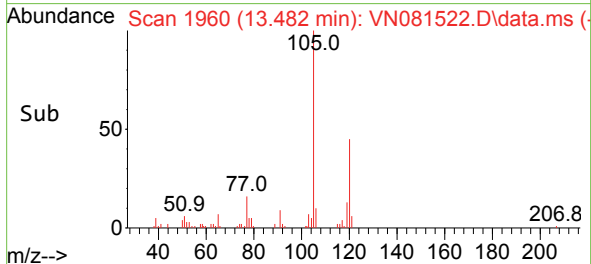
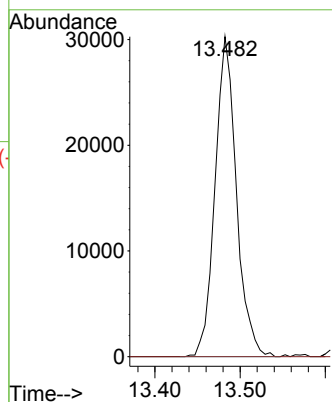
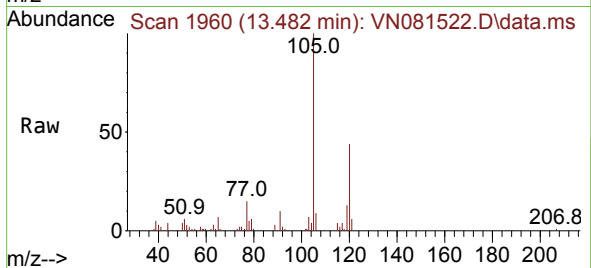




#85
sec-Butylbenzene
Concen: 1.867 ug/l
RT: 13.482 min Scan# 1983
Delta R.T. -0.135 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Instrument :
MSVOA_N
ClientSampleId :
S-5

Tgt Ion:105 Resp: 52652
Ion Ratio Lower Upper
105 100
134 0.0 8.6 25.8#



#95
Naphthalene
Concen: 32.505 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081522.D
Acq: 21 Mar 2024 16:13

Tgt Ion:128 Resp: 736845
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 10.7 8.7 13.1

