

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080851.D
 Acq On : 31 Jan 2024 19:31
 Operator : JC\MD
 Sample : P1284-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1251

Quant Time: Jan 31 23:22:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

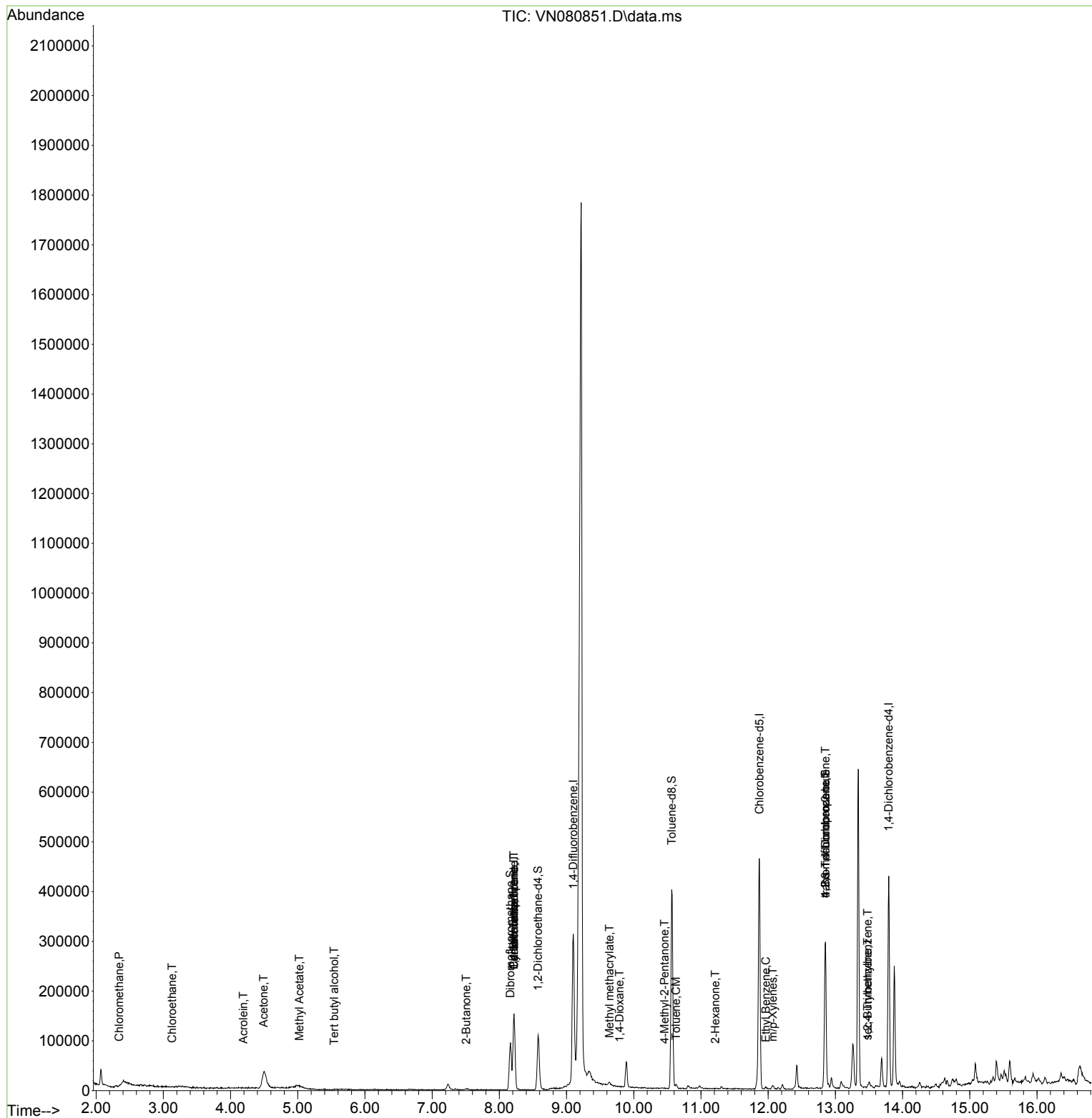
Internal Standards						
1) Pentafluorobenzene	8.218	168	93876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	224883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	229160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	81558	50.219	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.440%	
35) Dibromofluoromethane	8.165	113	62801	45.646	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.300%	
50) Toluene-d8	10.565	98	259218	48.137	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.280%	
62) 4-Bromofluorobenzene	12.853	95	98373	52.423	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.342	50	1335	0.637	ug/l #	82
6) Chloroethane	3.130	64	258	0.304	ug/l #	42
11) Tert butyl alcohol	5.541	59	56	0.212	ug/l #	72
13) Acrolein	4.189	56	629	1.884	ug/l	98
16) Acetone	4.494	43	96875	164.476	ug/l	90
18) Methyl Acetate	5.024	43	3063	1.492	ug/l #	82
25) 2-Butanone	7.506	43	4690	4.192	ug/l #	76
31) Cyclohexane	8.218	56	3564	1.280	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	10911	4.267	ug/l #	44
38) Carbon Tetrachloride	8.218	117	11036	5.356	ug/l #	16
48) Methyl methacrylate	9.641	41	1494	0.643	ug/l #	34
49) 1,4-Dioxane	9.788	88	116	4.145	ug/l #	60
51) 4-Methyl-2-Pentanone	10.459	43	1433	0.535	ug/l #	38
52) Toluene	10.629	92	2974	0.690	ug/l	95
59) 2-Hexanone	11.212	43	735	0.353	ug/l #	26
67) Ethyl Benzene	11.965	91	2676	0.288	ug/l	92
68) m/p-Xylenes	12.070	106	1892	0.573	ug/l	75
76) 1,2,3-Trichloropropane	12.853	75	57733	20.504	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57733	52.822	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	1734	0.251	ug/l	93
85) sec-Butylbenzene	13.482	105	1734	0.216	ug/l #	60

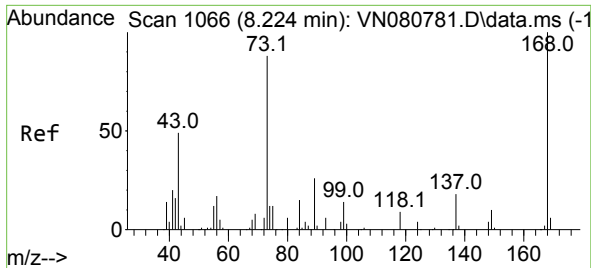
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
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1251

Quant Time: Jan 31 23:22:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration

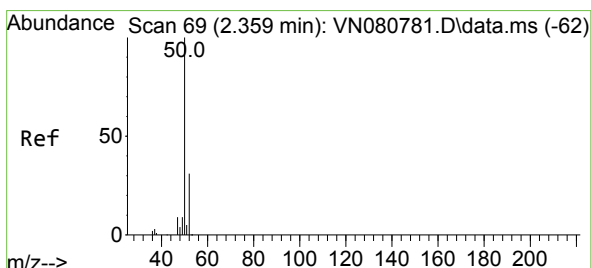
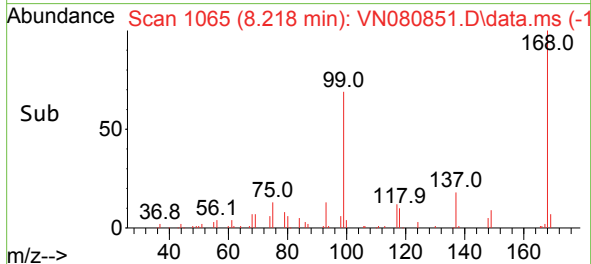
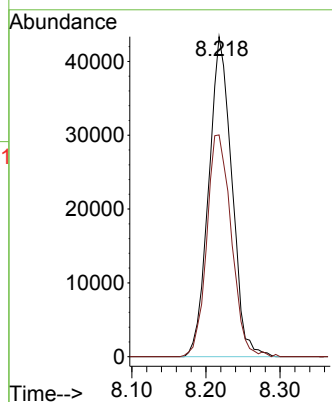
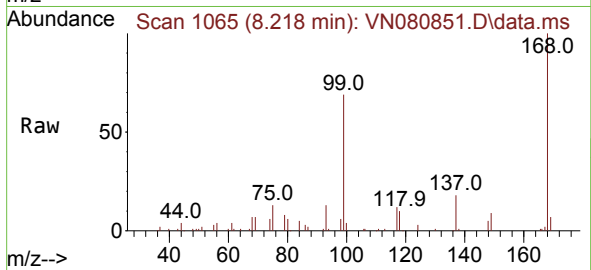




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

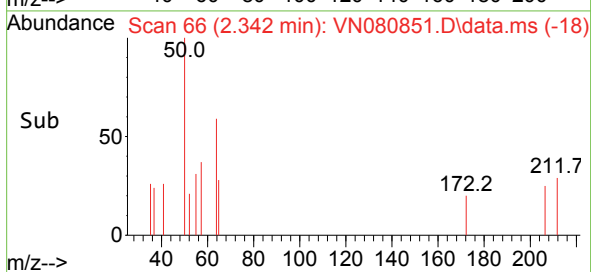
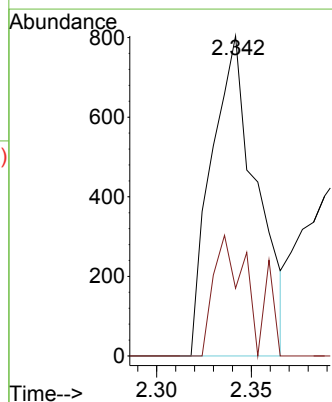
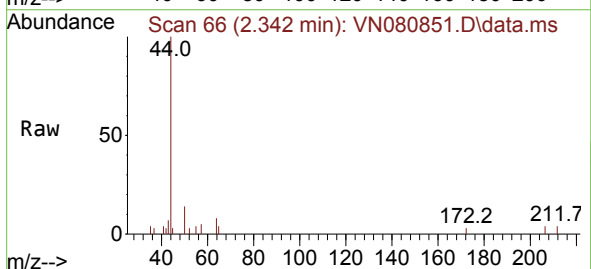
Instrument :
MSVOA_N
ClientSampleId :
1251

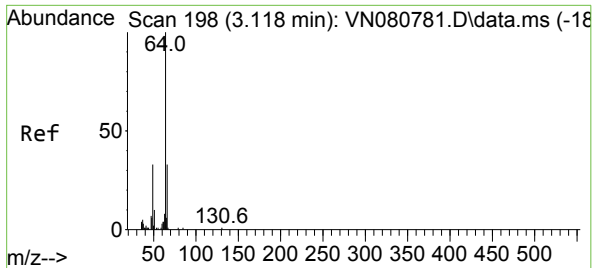
Tgt Ion:168 Resp: 93876
Ion Ratio Lower Upper
168 100
99 69.3 59.9 89.9



#3
Chloromethane
Concen: 0.637 ug/l
RT: 2.342 min Scan# 66
Delta R.T. -0.018 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

Tgt Ion: 50 Resp: 1335
Ion Ratio Lower Upper
50 100
52 21.1 25.0 37.4#

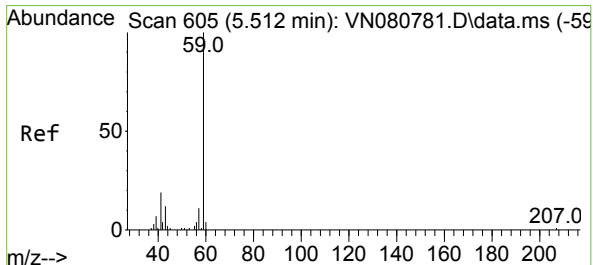
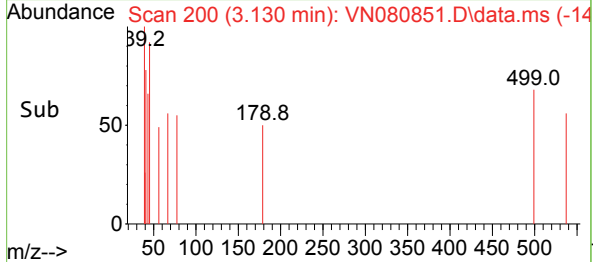
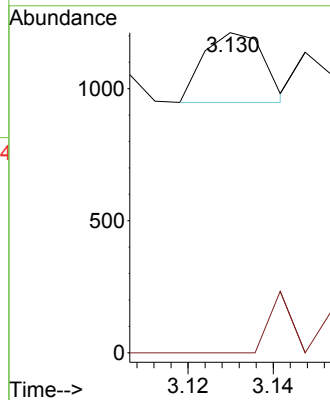
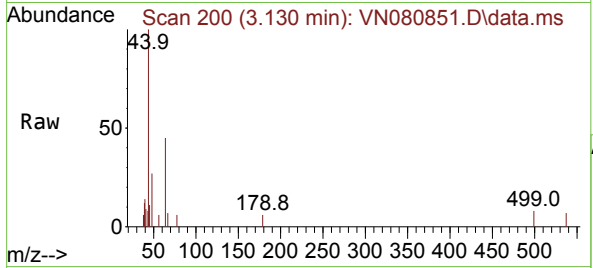




#6
Chloroethane
Concen: 0.304 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

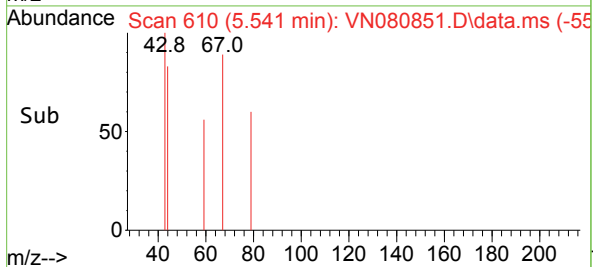
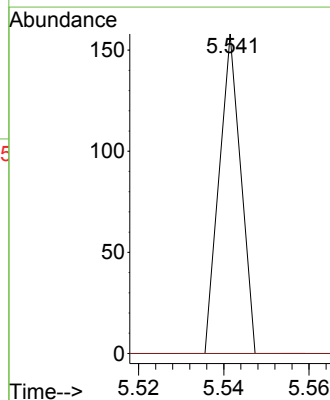
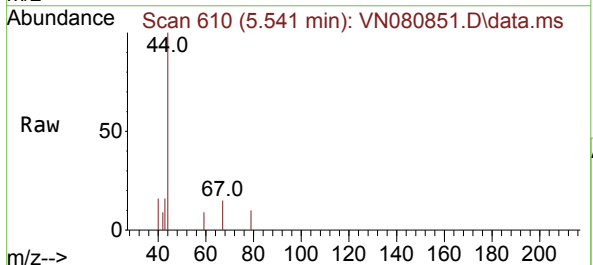
Instrument :
MSVOA_N
ClientSampleId :
1251

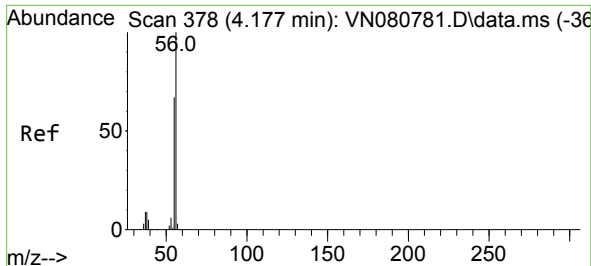
Tgt Ion: 64 Resp: 258
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.212 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.029 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 1.884 ug/l

RT: 4.189 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN080851.D

Acq: 31 Jan 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

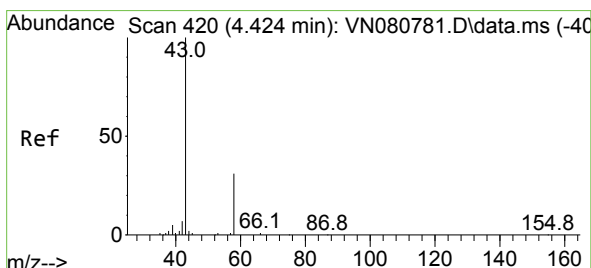
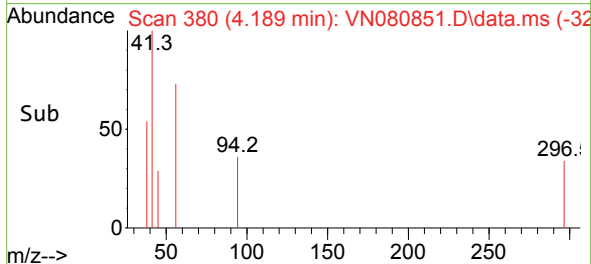
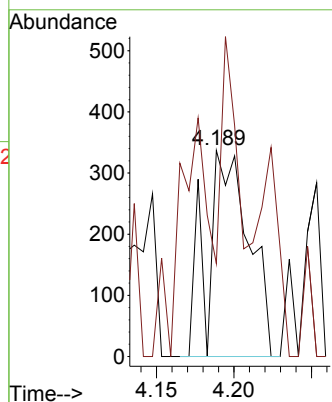
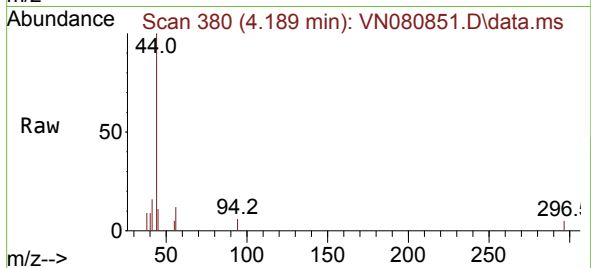
1251

Tgt Ion: 56 Resp: 629

Ion Ratio Lower Upper

56 100

55 70.9 55.3 82.9



#16

Acetone

Concen: 164.476 ug/l

RT: 4.494 min Scan# 432

Delta R.T. 0.071 min

Lab File: VN080851.D

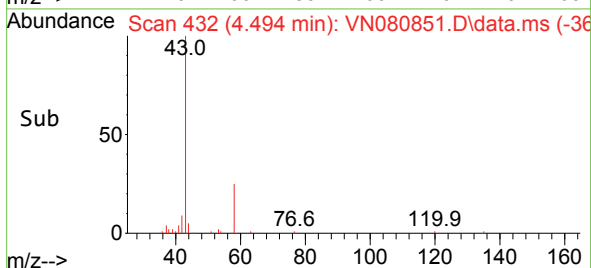
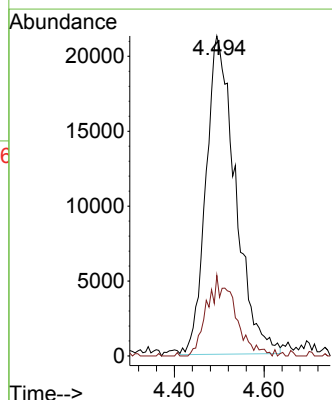
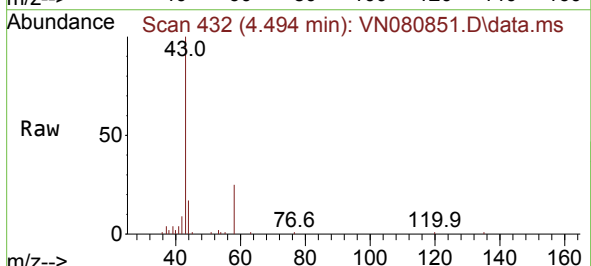
Acq: 31 Jan 2024 19:31

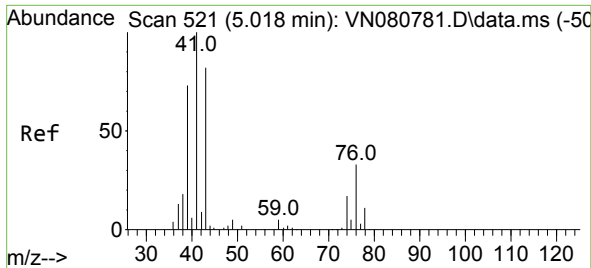
Tgt Ion: 43 Resp: 96875

Ion Ratio Lower Upper

43 100

58 25.3 24.8 37.2

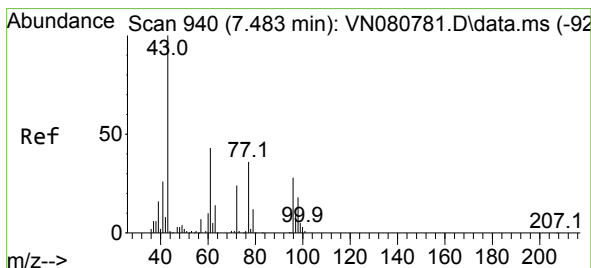
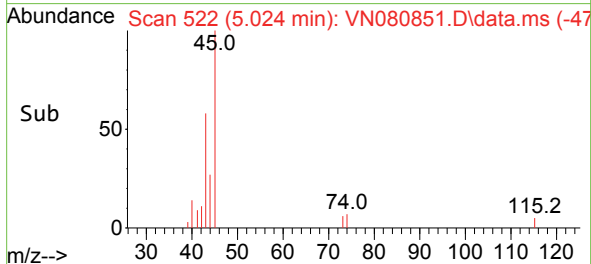
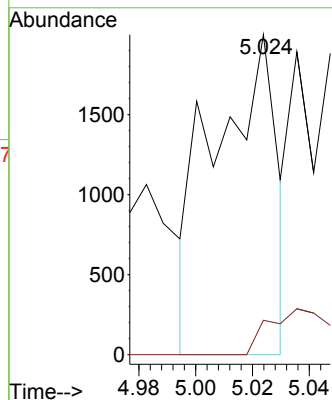
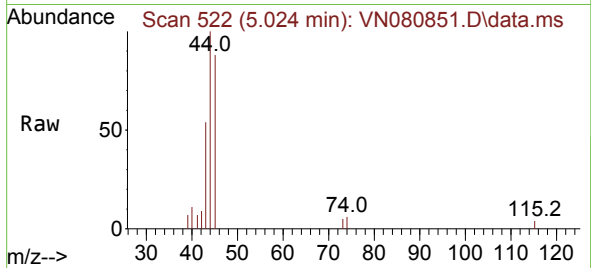




#18
Methyl Acetate
Concen: 1.492 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

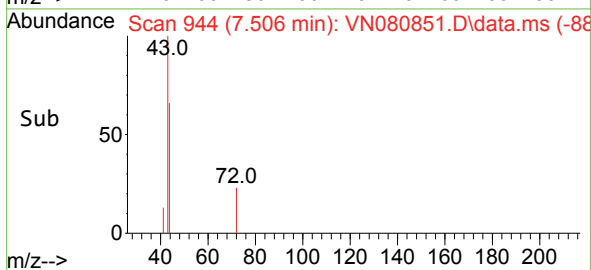
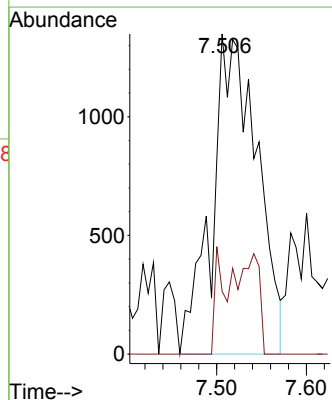
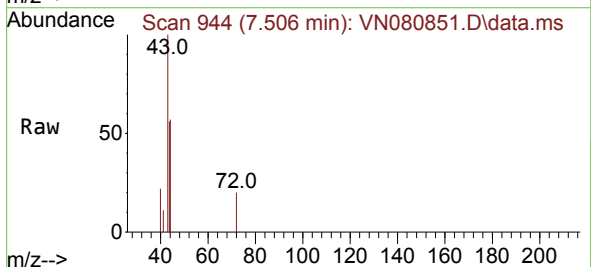
Instrument :
MSVOA_N
ClientSampleId :
1251

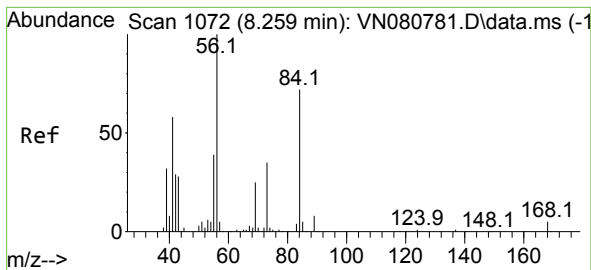
Tgt Ion: 43 Resp: 3063
Ion Ratio Lower Upper
43 100
74 13.1 17.3 25.9#



#25
2-Butanone
Concen: 4.192 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.023 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

Tgt Ion: 43 Resp: 4690
Ion Ratio Lower Upper
43 100
72 12.6 19.5 29.3#





#31

Cyclohexane

Concen: 1.280 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN080851.D

Acq: 31 Jan 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

1251

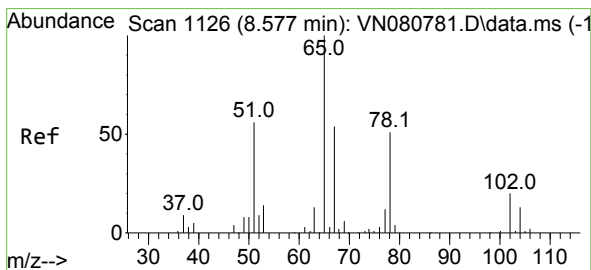
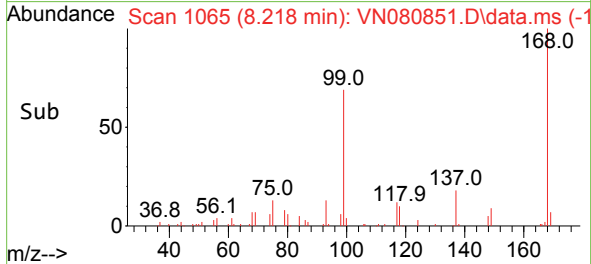
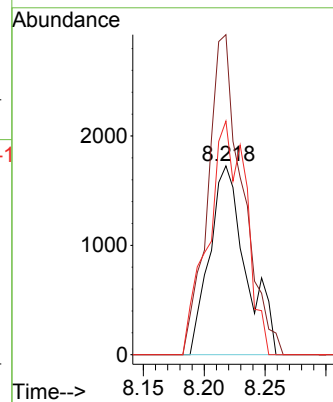
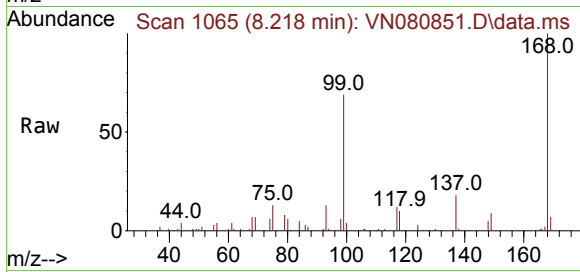
Tgt Ion: 56 Resp: 3564

Ion Ratio Lower Upper

56 100

69 169.5 20.1 30.1#

84 123.7 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 50.219 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080851.D

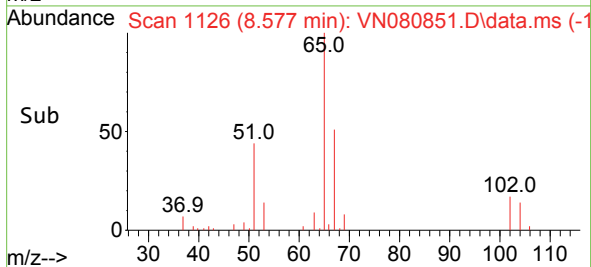
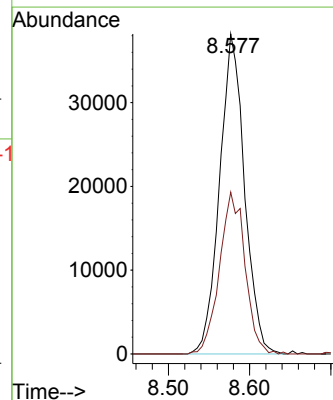
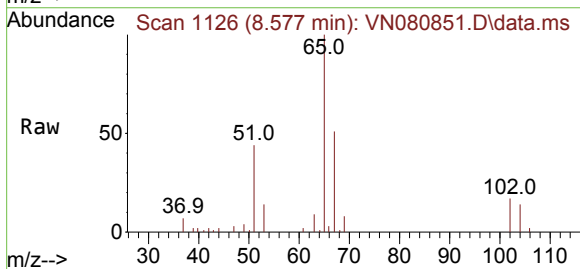
Acq: 31 Jan 2024 19:31

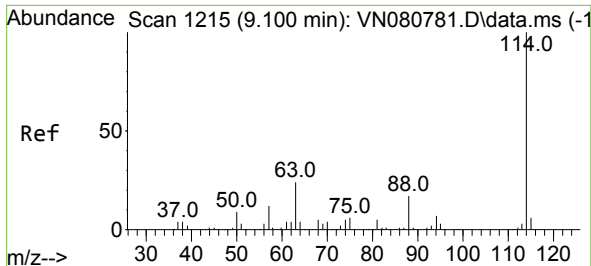
Tgt Ion: 65 Resp: 81558

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN080851.D

Acq: 31 Jan 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

1251

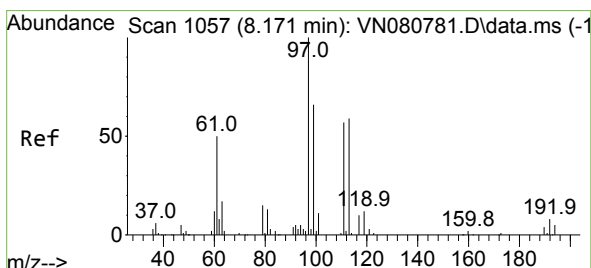
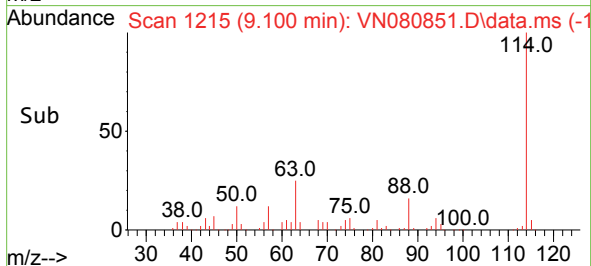
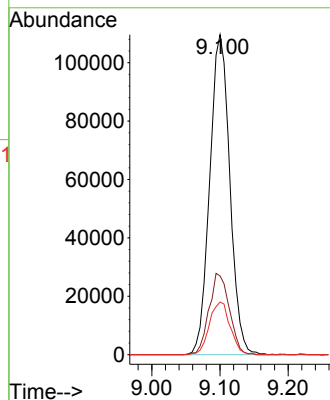
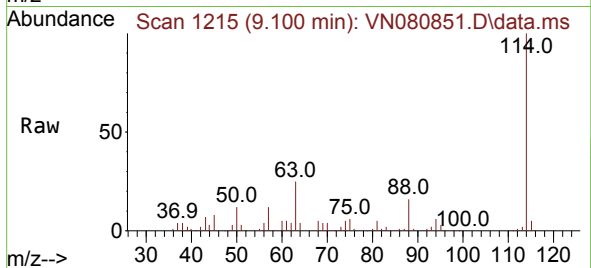
Tgt Ion:114 Resp: 224883

Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.0

88 16.5 0.0 34.8



#35

Dibromofluoromethane

Concen: 45.646 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080851.D

Acq: 31 Jan 2024 19:31

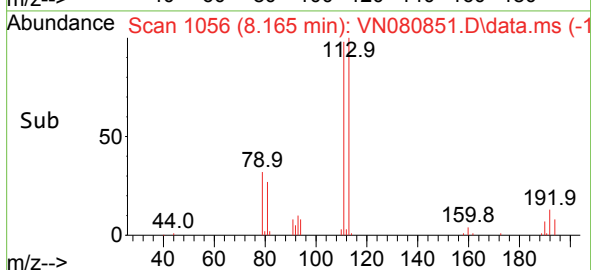
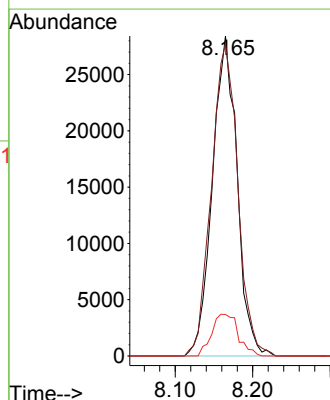
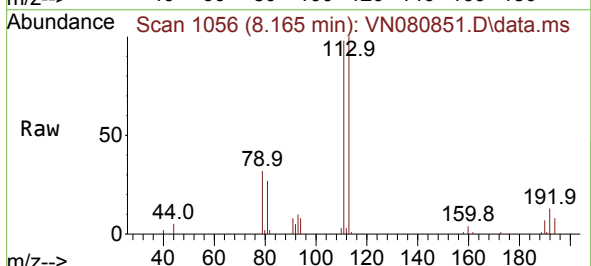
Tgt Ion:113 Resp: 62801

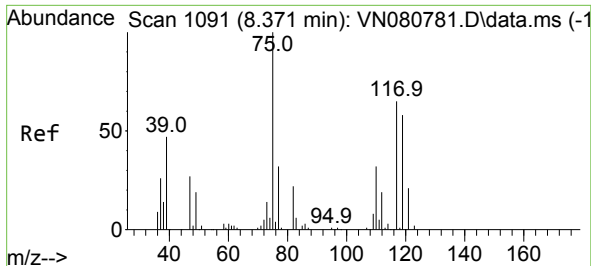
Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

192 14.1 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.267 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN080851.D

Acq: 31 Jan 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

1251

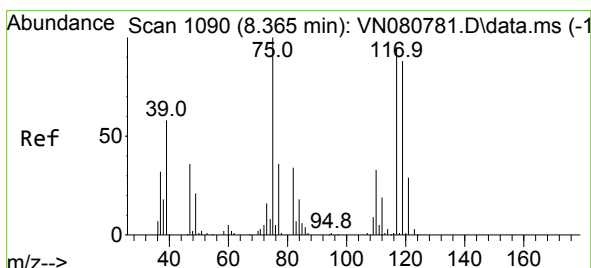
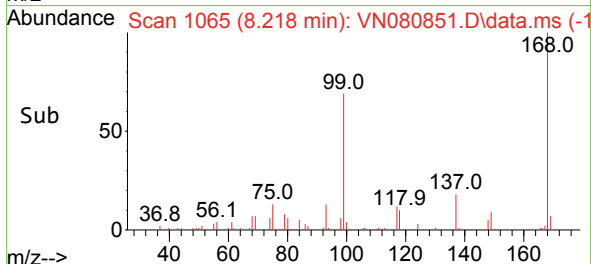
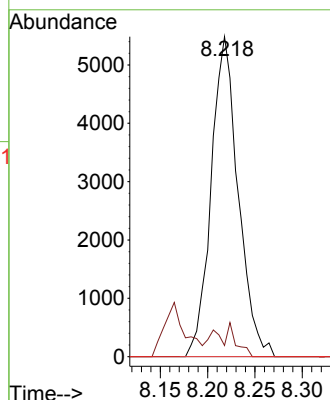
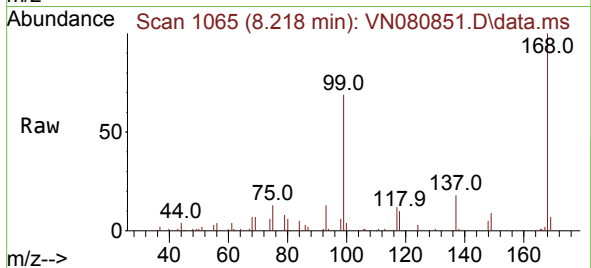
Tgt Ion: 75 Resp: 10911

Ion Ratio Lower Upper

75 100

110 2.1 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 5.356 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN080851.D

Acq: 31 Jan 2024 19:31

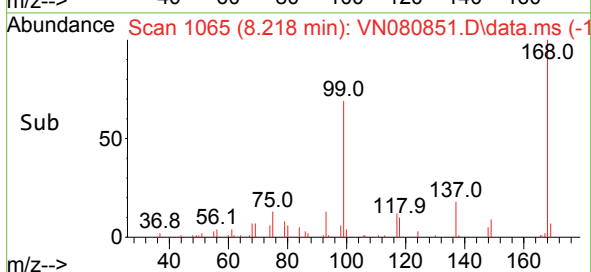
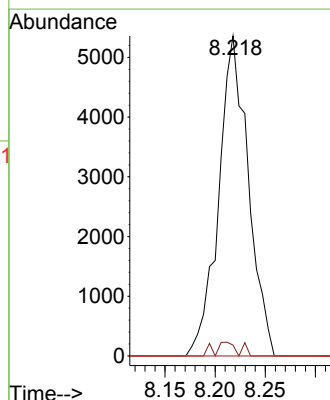
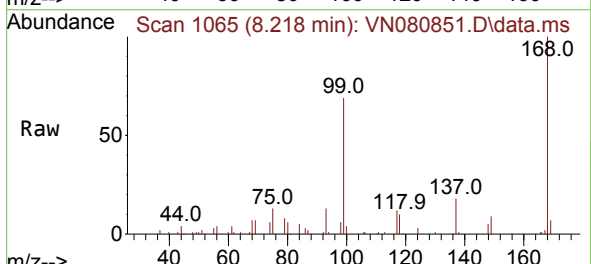
Tgt Ion: 117 Resp: 11036

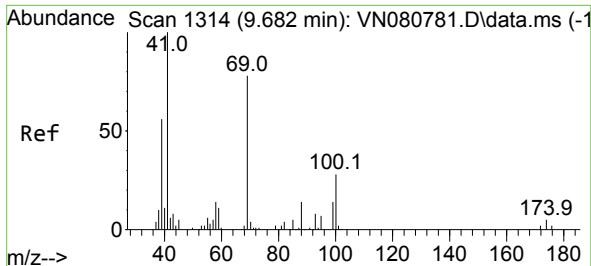
Ion Ratio Lower Upper

117 100

119 3.4 73.4 110.2#

121 0.0 24.4 36.6#

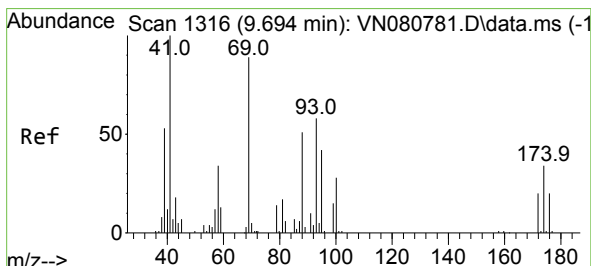
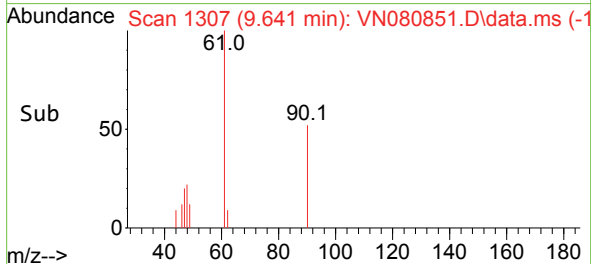
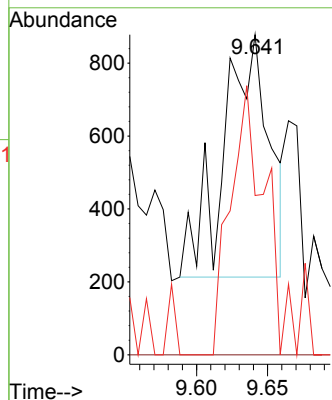
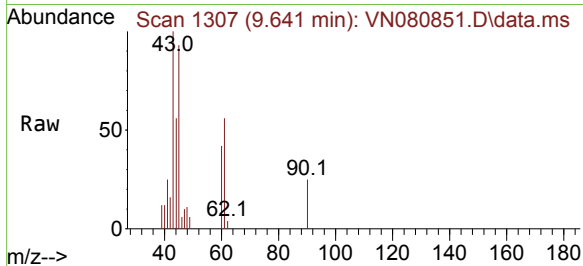




#48
Methyl methacrylate
Concen: 0.643 ug/l
RT: 9.641 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

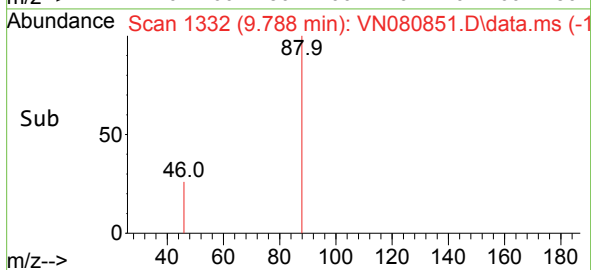
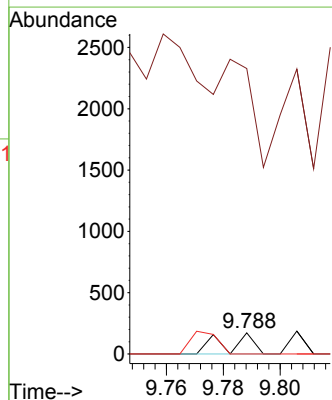
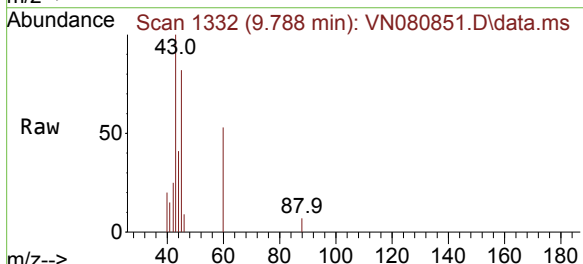
Instrument :
MSVOA_N
ClientSampleId :
1251

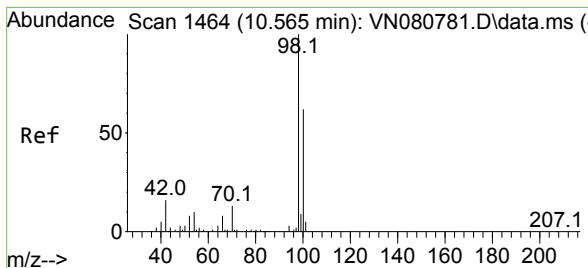
Tgt Ion: 41 Resp: 1494
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 85.5 47.6 71.4#



#49
1,4-Dioxane
Concen: 4.145 ug/l
RT: 9.788 min Scan# 1332
Delta R.T. 0.094 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 105.2 63.9 95.9#

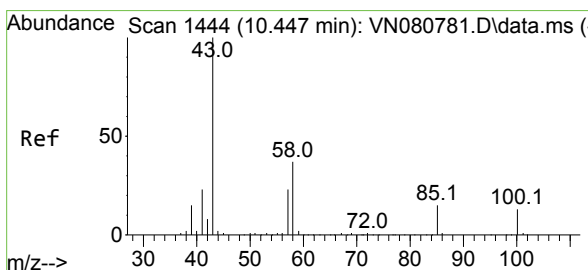
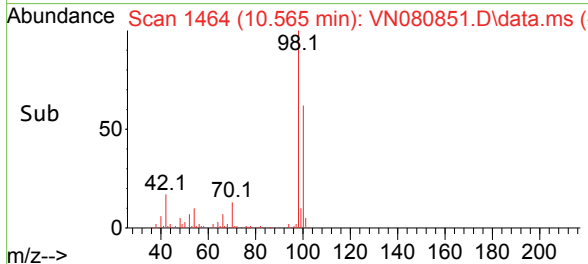
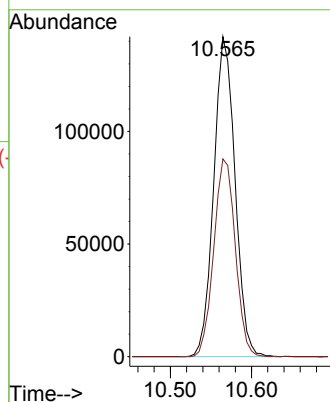
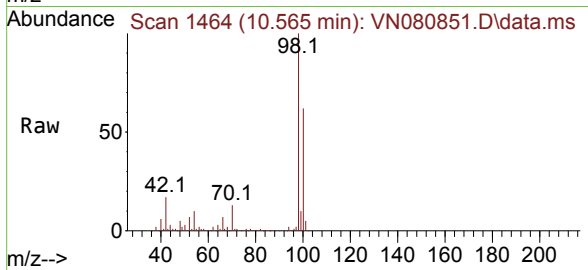




#50
Toluene-d8
Concen: 48.137 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

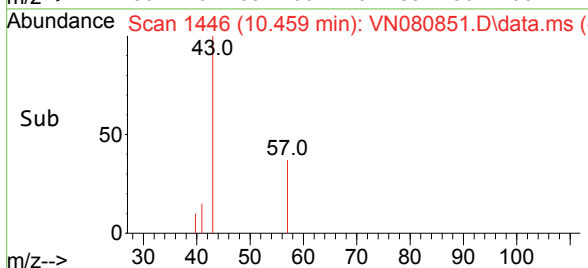
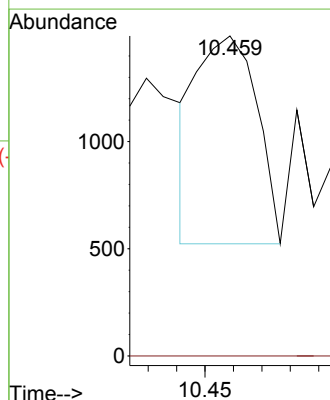
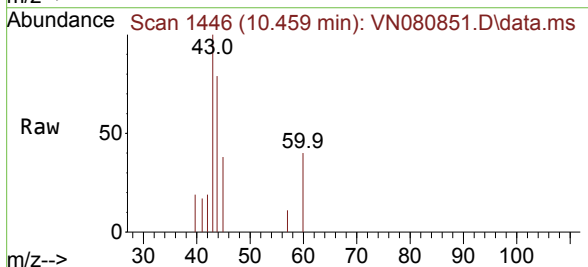
Instrument :
MSVOA_N
ClientSampleId :
1251

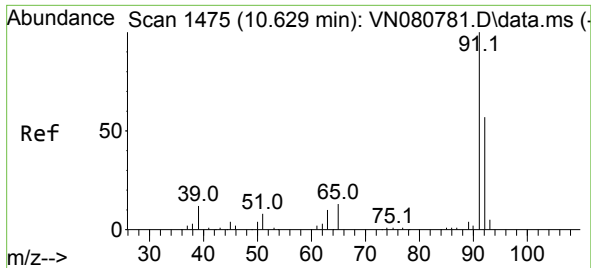
Tgt Ion: 98 Resp: 259218
Ion Ratio Lower Upper
98 100
100 62.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

Tgt Ion: 43 Resp: 1433
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#

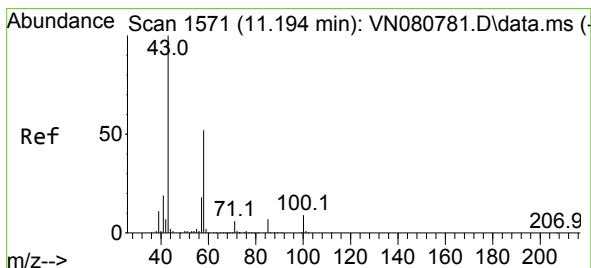
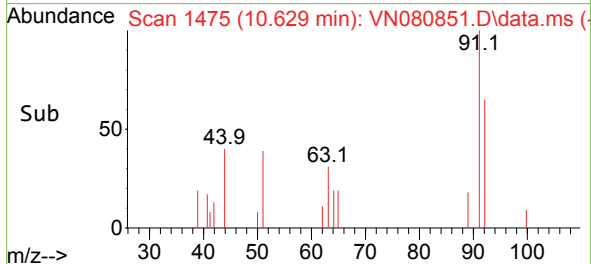
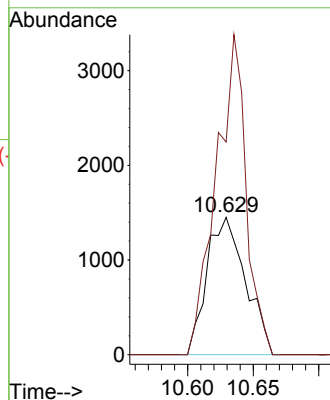
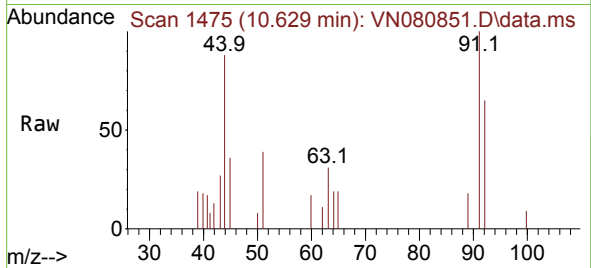




#52
Toluene
Concen: 0.690 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

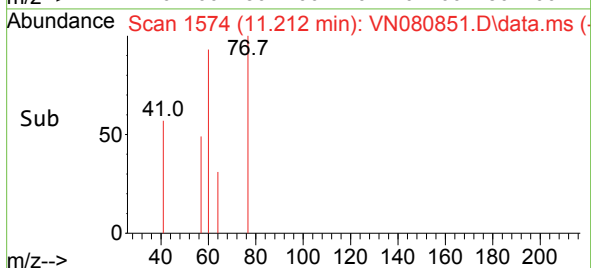
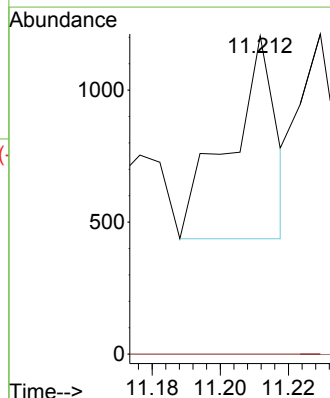
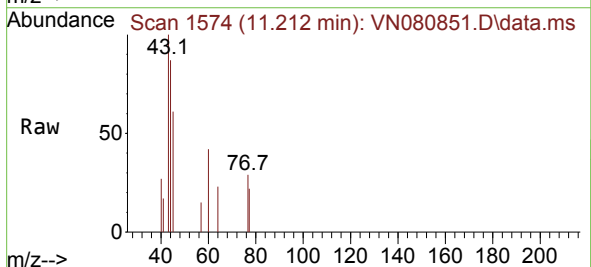
Instrument :
MSVOA_N
ClientSampleId :
1251

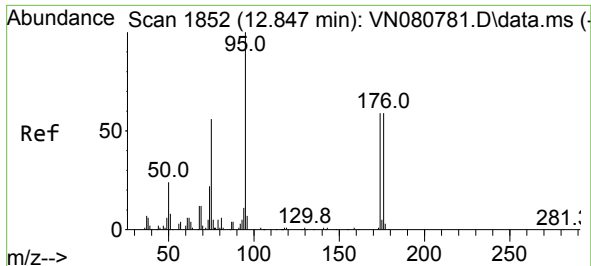
Tgt Ion: 92 Resp: 2974
Ion Ratio Lower Upper
92 100
91 180.9 139.4 209.0



#59
2-Hexanone
Concen: 0.353 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.018 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

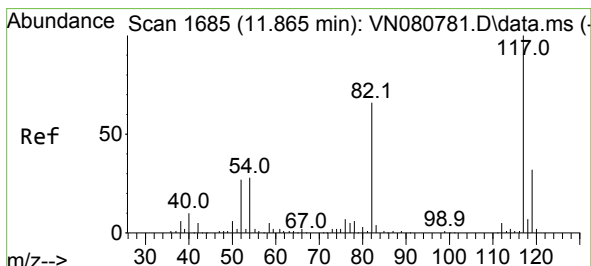
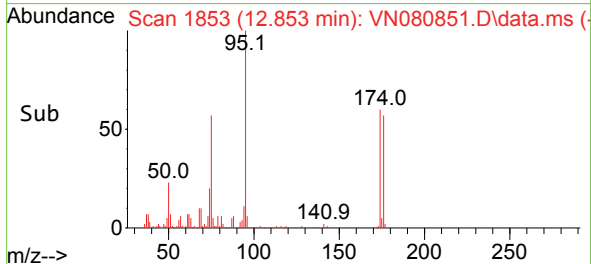
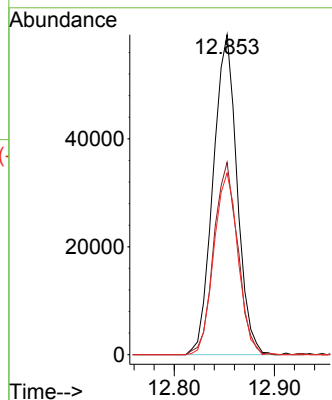
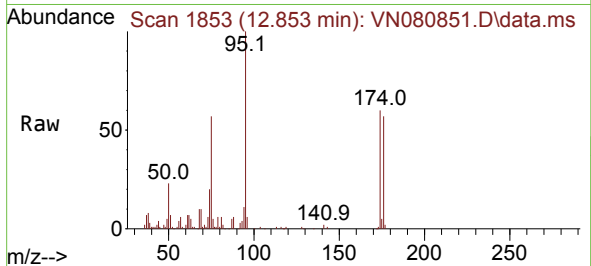




#62
4-Bromofluorobenzene
Concen: 52.423 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

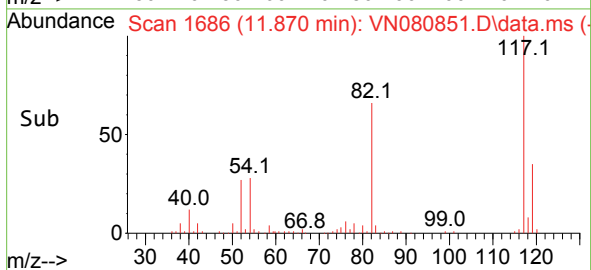
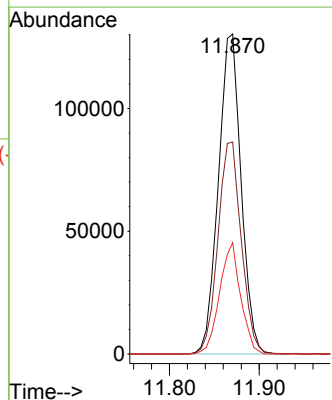
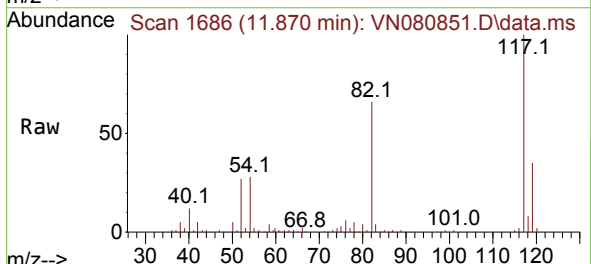
Instrument :
MSVOA_N
ClientSampleId :
1251

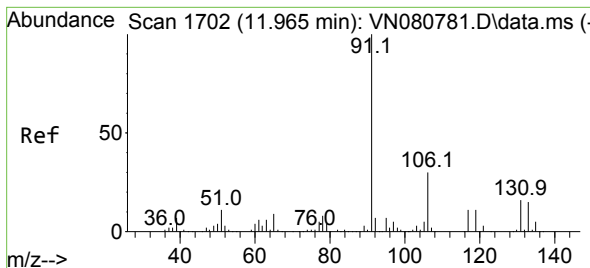
Tgt Ion: 95 Resp: 98373
Ion Ratio Lower Upper
95 100
174 60.1 0.0 120.4
176 57.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

Tgt Ion: 117 Resp: 229160
Ion Ratio Lower Upper
117 100
82 66.2 52.7 79.1
119 34.8 25.3 37.9





#67

Ethyl Benzene

Concen: 0.288 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN080851.D

Acq: 31 Jan 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

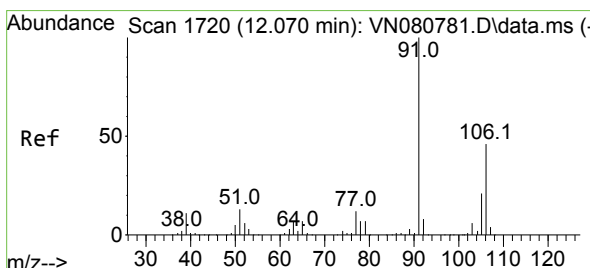
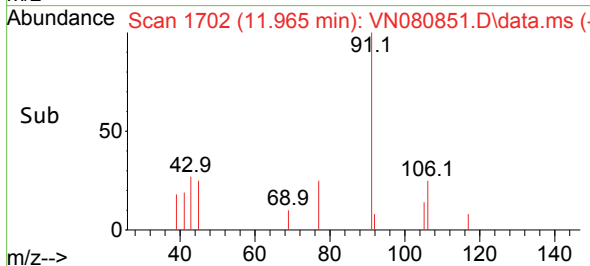
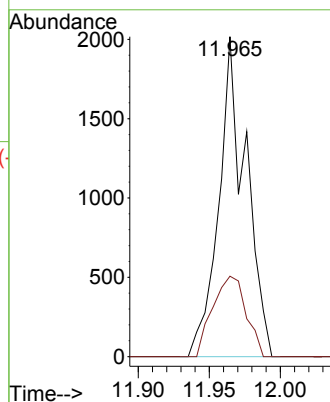
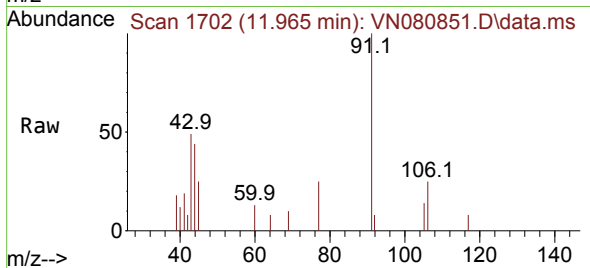
1251

Tgt Ion: 91 Resp: 2676

Ion Ratio Lower Upper

91 100

106 25.1 23.8 35.6



#68

m/p-Xylenes

Concen: 0.573 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN080851.D

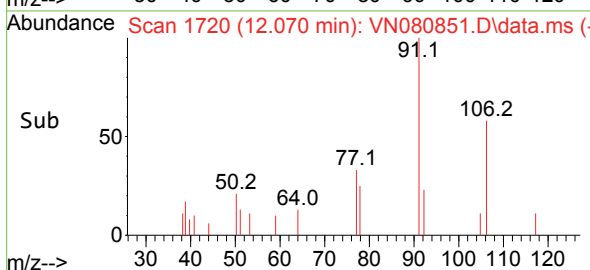
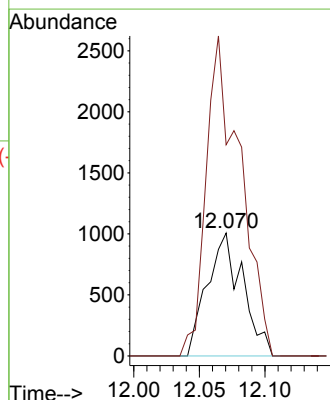
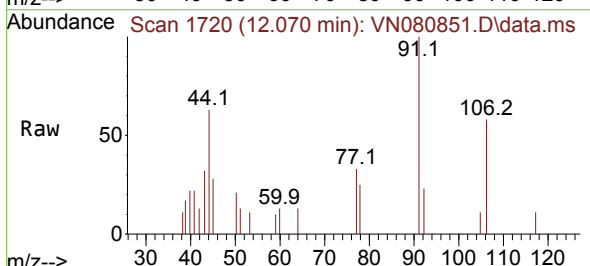
Acq: 31 Jan 2024 19:31

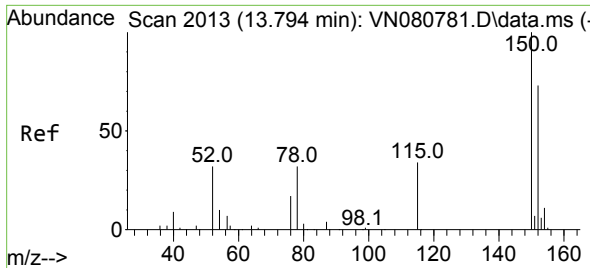
Tgt Ion: 106 Resp: 1892

Ion Ratio Lower Upper

106 100

91 250.7 169.0 253.6

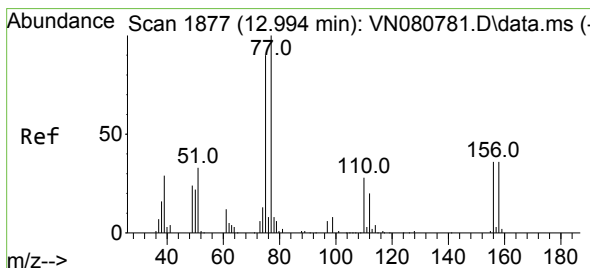
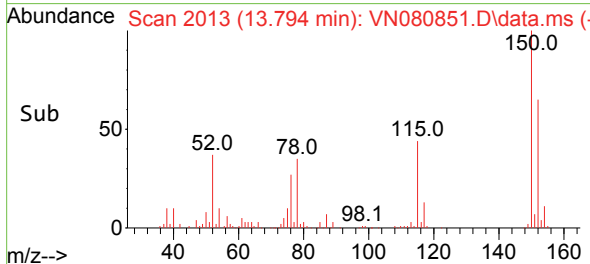
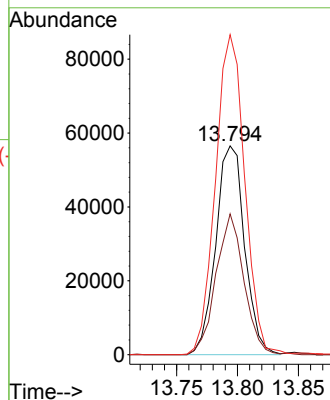
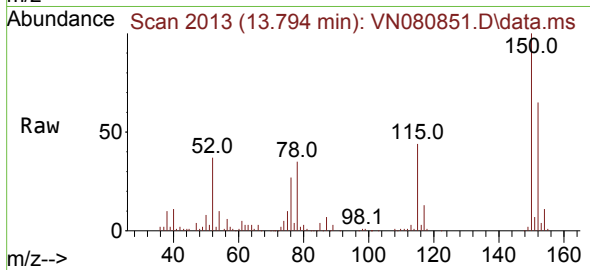




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080851.D
 Acq: 31 Jan 2024 19:31

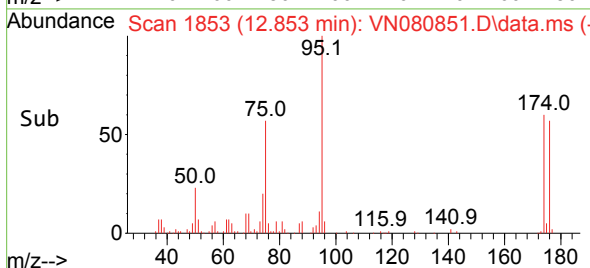
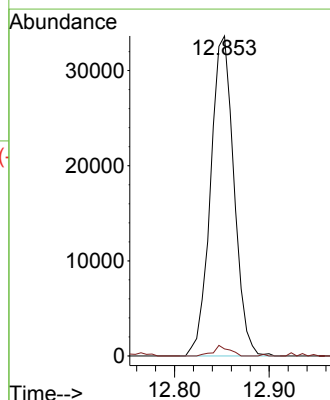
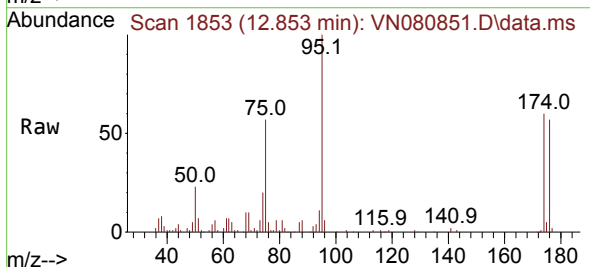
Instrument :
 MSVOA_N
 ClientSampleId :
 1251

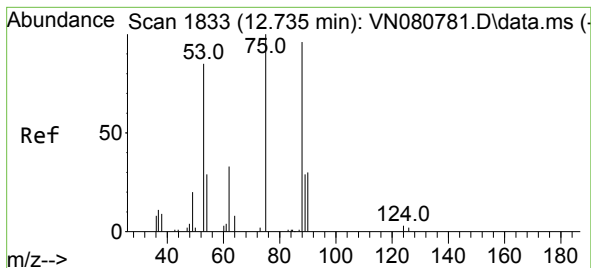
Tgt Ion:152 Resp: 93358
 Ion Ratio Lower Upper
 152 100
 115 65.2 32.3 96.8
 150 155.8 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 20.504 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080851.D
 Acq: 31 Jan 2024 19:31

Tgt Ion: 75 Resp: 57733
 Ion Ratio Lower Upper
 75 100
 77 2.2 91.0 272.8#

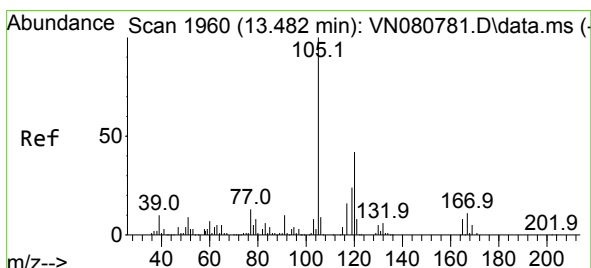
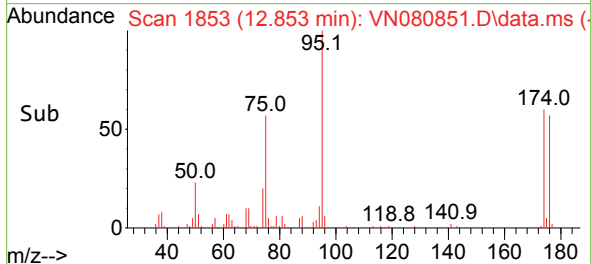
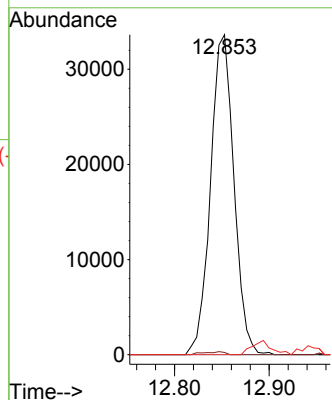
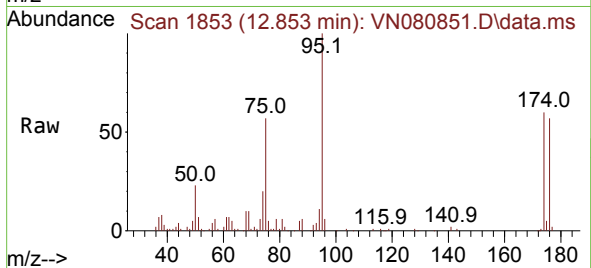




#81
trans-1,4-Dichloro-2-butene
Concen: 52.822 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

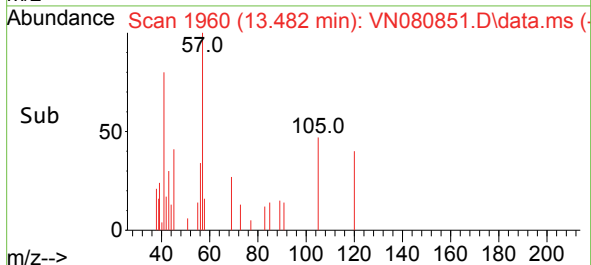
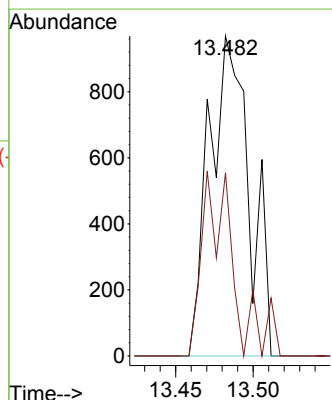
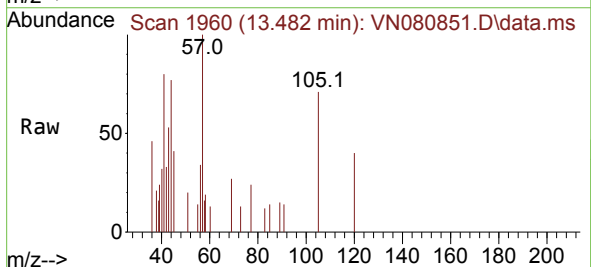
Instrument :
MSVOA_N
ClientSampleId :
1251

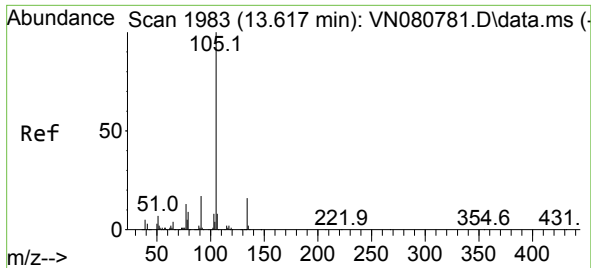
Tgt Ion: 75 Resp: 57733
Ion Ratio Lower Upper
75 100
53 0.8 71.4 107.2#
89 0.0 33.4 50.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.251 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080851.D
Acq: 31 Jan 2024 19:31

Tgt Ion: 105 Resp: 1734
Ion Ratio Lower Upper
105 100
120 37.2 20.9 62.7





#85
 sec-Butylbenzene
 Concen: 0.216 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.135 min
 Lab File: VN080851.D
 Acq: 31 Jan 2024 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 1251

Tgt Ion:105 Resp: 1734
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.6 25.8#

