

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
 Data File : VN081547.D
 Acq On : 22 Mar 2024 14:50
 Operator : JC\MD
 Sample : P1798-14DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-14DL

Quant Time: Mar 23 00:14:54 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	474382	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	844298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	733517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	317332	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	306882	50.727	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.460%	
35) Dibromofluoromethane	8.165	113	253980	47.665	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.340%	
50) Toluene-d8	10.565	98	984128	51.093	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	12.847	95	321967	47.439	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 94.880%	

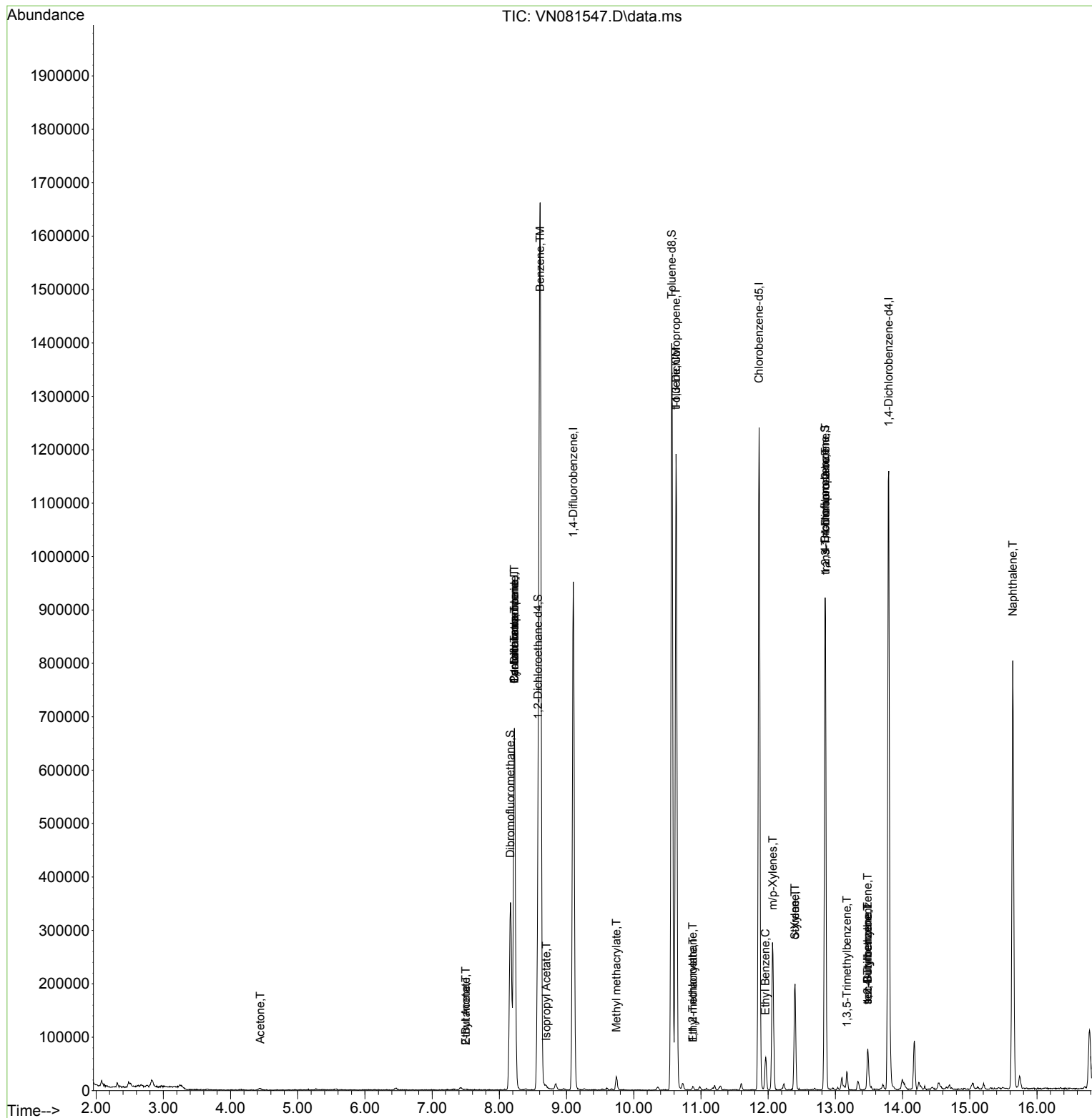
Target Compounds				Qvalue		
16) Acetone	4.441	43	6028	3.083	ug/l #	85
25) 2-Butanone	7.500	43	2116	0.631	ug/l #	80
31) Cyclohexane	8.224	56	12555	1.275	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	38501	4.294	ug/l #	51
37) Ethyl Acetate	7.500	43	2116	0.276	ug/l #	70
38) Carbon Tetrachloride	8.224	117	51425	5.235	ug/l #	19
40) Benzene	8.606	78	1670645	63.727	ug/l	96
43) Isopropyl Acetate	8.700	43	6147	0.483	ug/l #	79
48) Methyl methacrylate	9.741	41	2296	0.391	ug/l #	49
52) Toluene	10.629	92	528622	31.725	ug/l	99
53) t-1,3-Dichloropropene	10.629	75	6409	0.629	ug/l #	1
55) 1,1,2-Trichloroethane	10.876	97	5493	0.819	ug/l #	13
56) Ethyl methacrylate	10.882	69	157	0.588	ug/l #	20
67) Ethyl Benzene	11.959	91	43061	1.430	ug/l	93
68) m/p-Xylenes	12.070	106	90218	7.990	ug/l	88
69) o-Xylene	12.400	106	57010	5.143	ug/l	89
70) Styrene	12.400	104	9617	0.538	ug/l #	14
76) 1,2,3-Trichloropropane	12.853	75	168481	22.196	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	15508	0.694	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.853	75	168481	59.980	ug/l #	14
83) tert-Butylbenzene	13.482	119	5693	0.295	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.482	105	44955	2.002	ug/l	97
85) sec-Butylbenzene	13.482	105	44955	1.632	ug/l #	60
95) Naphthalene	15.641	128	734696	33.186	ug/l	99

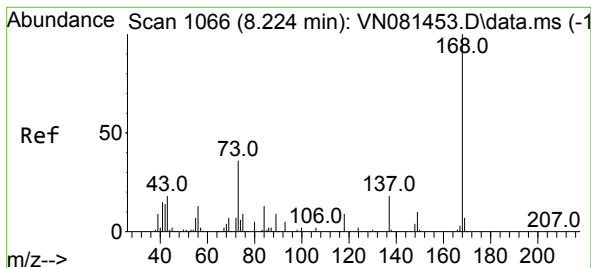
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

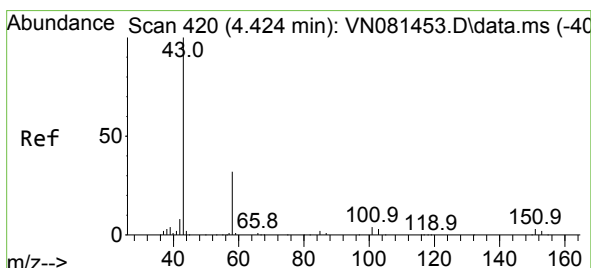
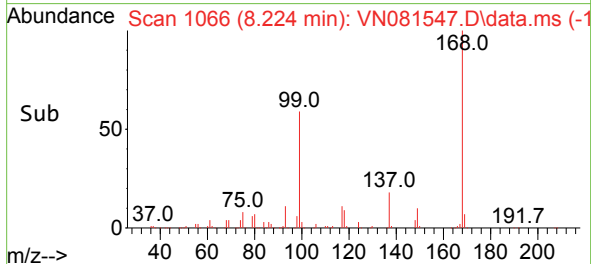
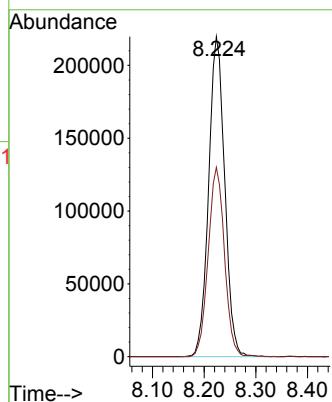
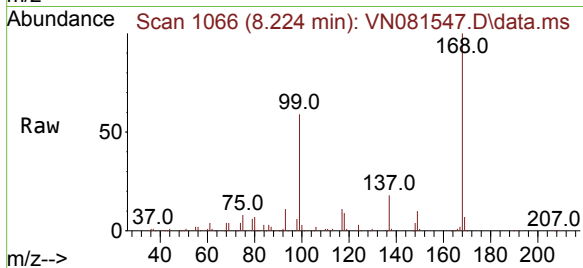
S-14DL

Tgt Ion:168 Resp: 474382

Ion Ratio Lower Upper

168 100

99 59.1 59.9 89.9#



#16

Acetone

Concen: 3.083 ug/l

RT: 4.441 min Scan# 423

Delta R.T. 0.018 min

Lab File: VN081547.D

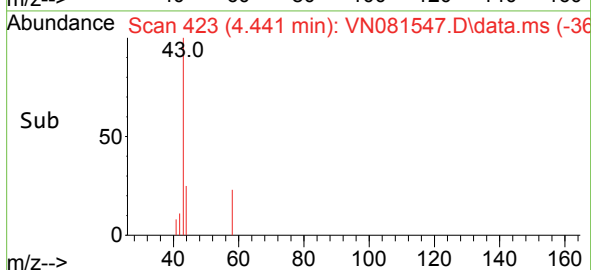
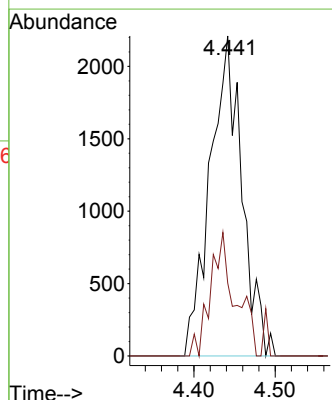
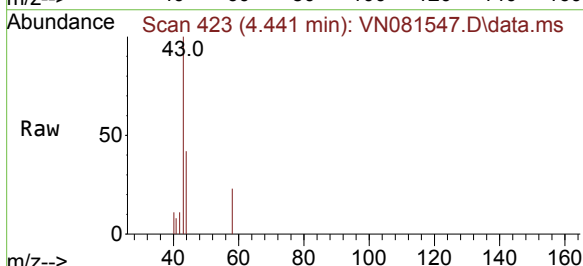
Acq: 22 Mar 2024 14:50

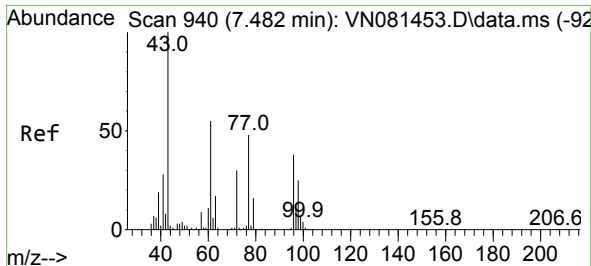
Tgt Ion: 43 Resp: 6028

Ion Ratio Lower Upper

43 100

58 22.8 24.8 37.2#

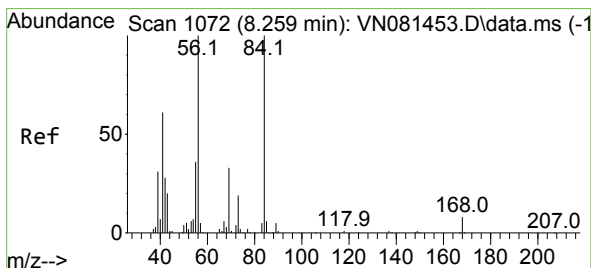
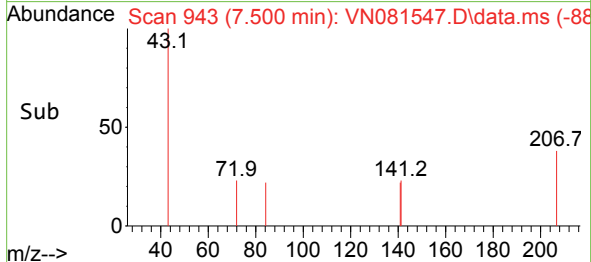
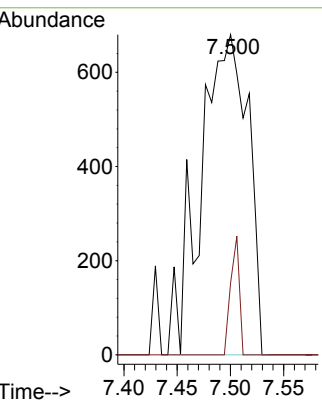
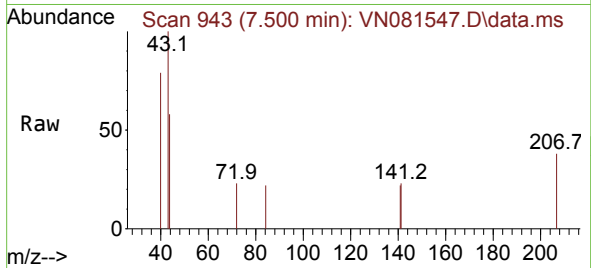




#25
2-Butanone
Concen: 0.631 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

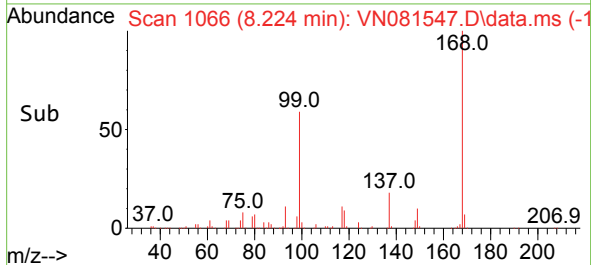
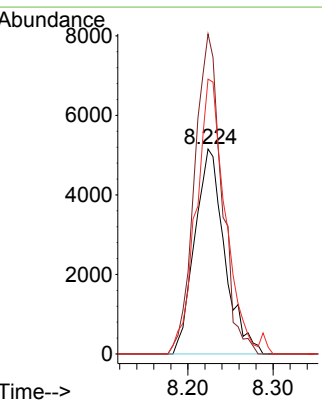
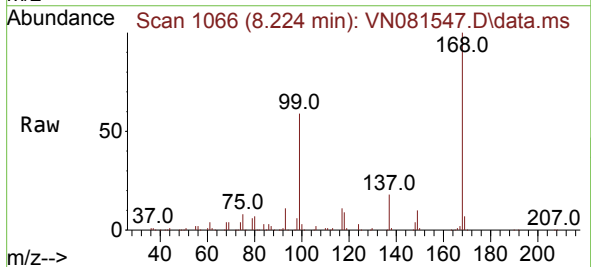
Instrument :
MSVOA_N
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S-14DL

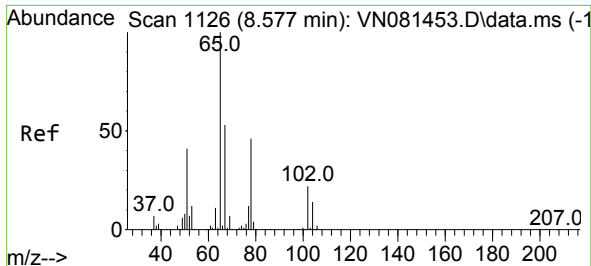
Tgt Ion: 43 Resp: 2116
Ion Ratio Lower Upper
43 100
72 14.2 19.5 29.3#



#31
Cyclohexane
Concen: 1.275 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

Tgt Ion: 56 Resp: 12555
Ion Ratio Lower Upper
56 100
69 156.1 20.1 30.1#
84 134.1 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 50.727 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

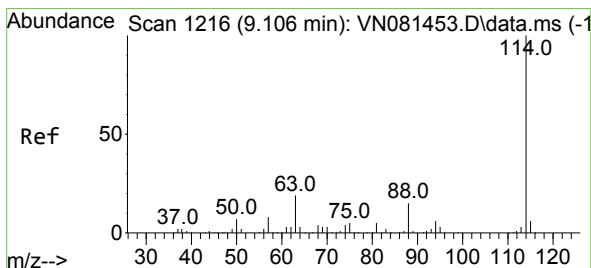
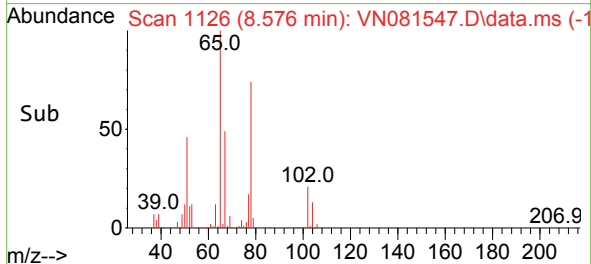
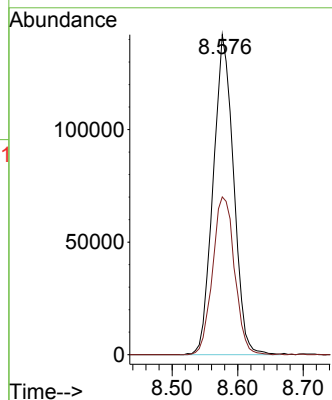
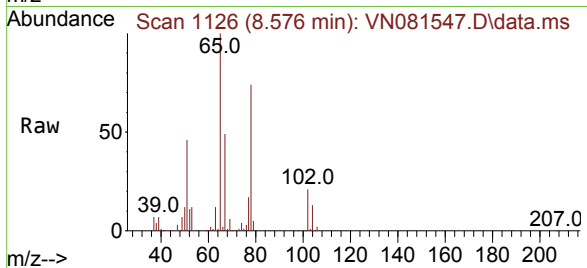
S-14DL

Tgt Ion: 65 Resp: 306882

Ion Ratio Lower Upper

65 100

67 53.0 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: VN081547.D

Acq: 22 Mar 2024 14:50

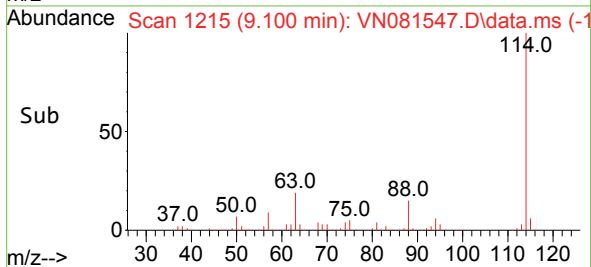
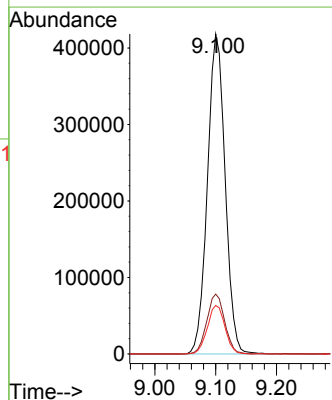
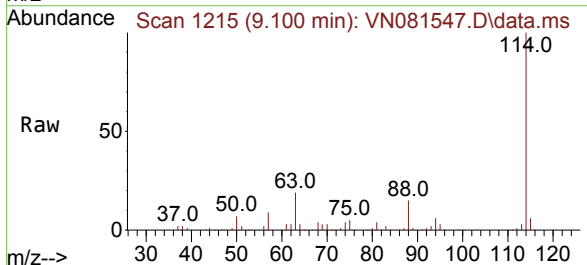
Tgt Ion: 114 Resp: 844298

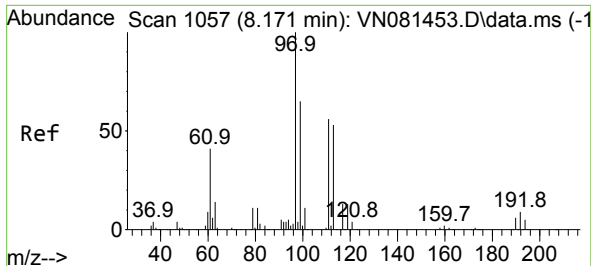
Ion Ratio Lower Upper

114 100

63 18.7 0.0 48.0

88 15.2 0.0 34.8

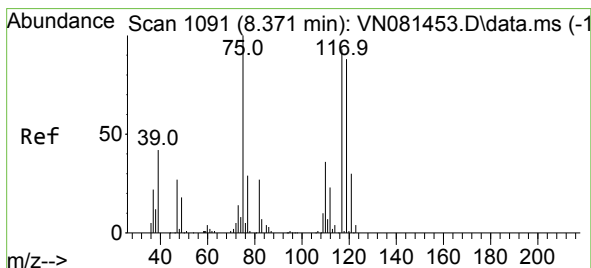
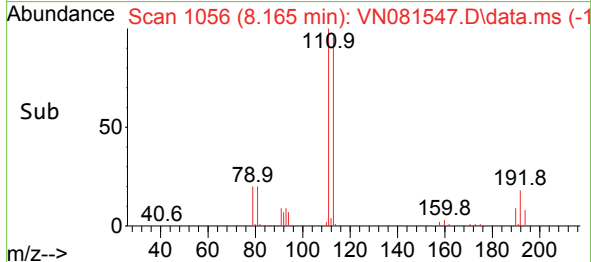
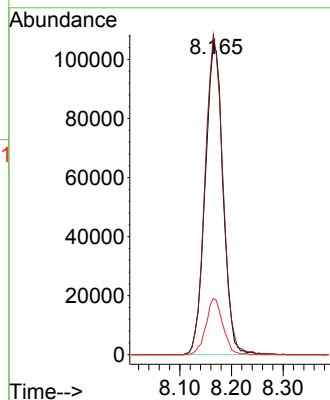
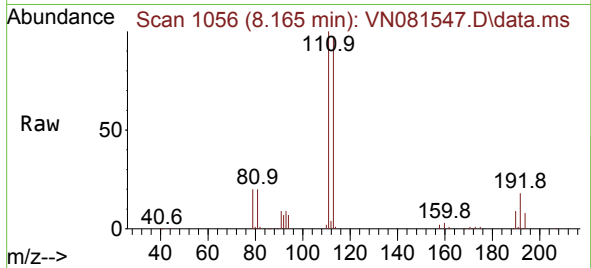




#35
Dibromofluoromethane
Concen: 47.665 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

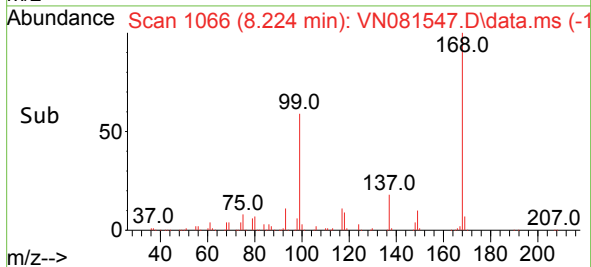
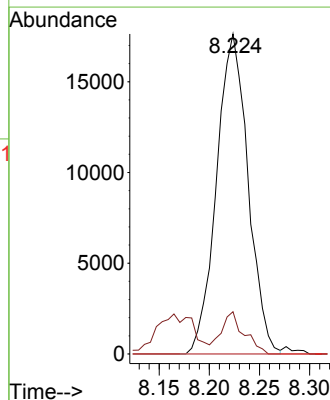
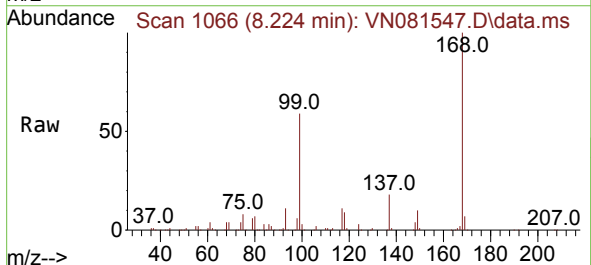
Instrument :
MSVOA_N
ClientSampleId :
S-14DL

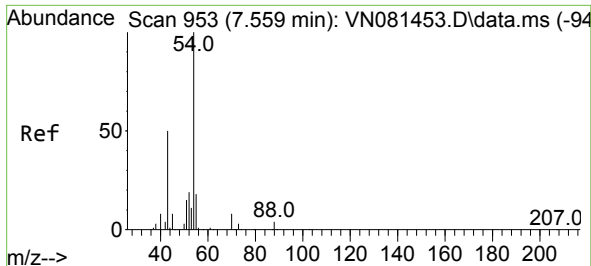
Tgt Ion:113 Resp: 253980
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 17.1 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.294 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

Tgt Ion: 75 Resp: 38501
Ion Ratio Lower Upper
75 100
110 9.5 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 0.276 ug/l

RT: 7.500 min Scan# 94

Delta R.T. -0.059 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

S-14DL

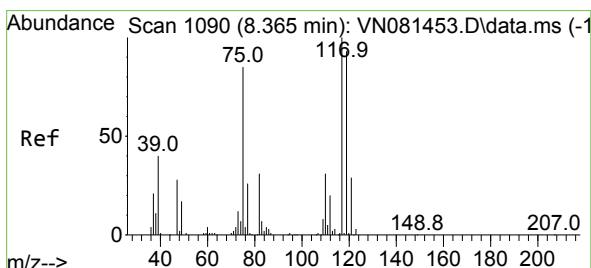
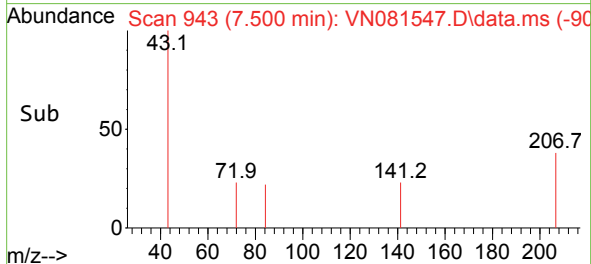
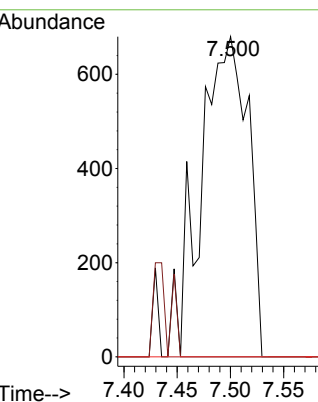
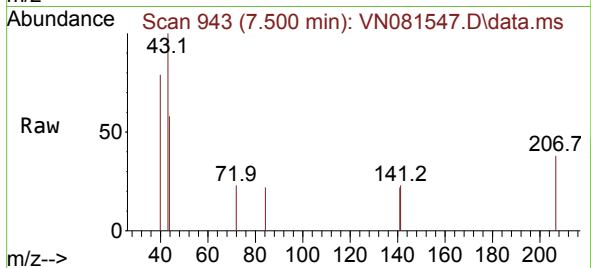
Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 5.235 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

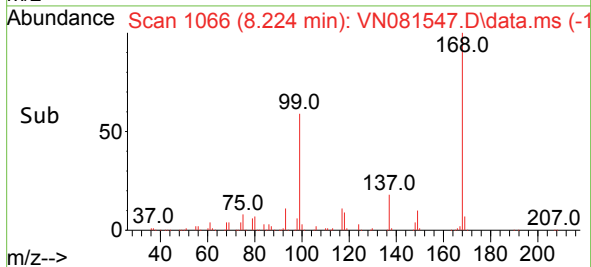
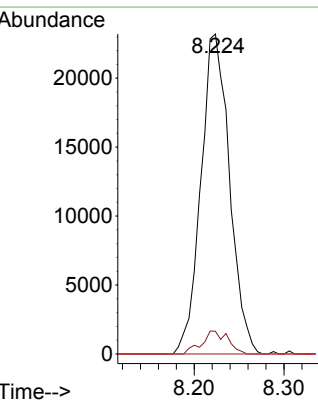
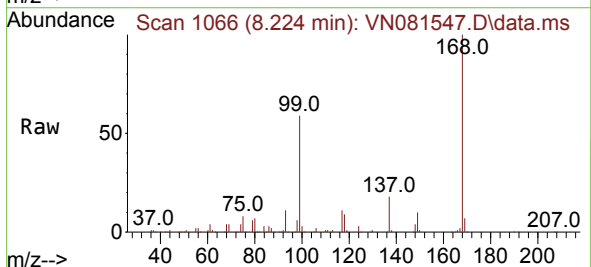
Tgt Ion: 117 Resp: 51425

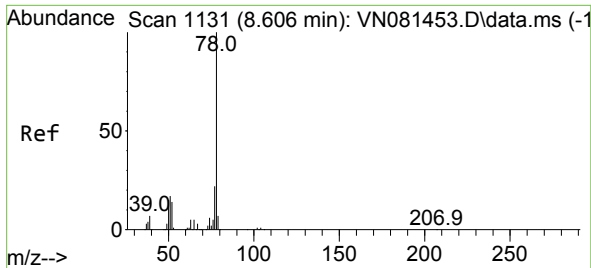
Ion Ratio Lower Upper

117 100

119 7.1 73.4 110.2#

121 0.0 24.4 36.6#

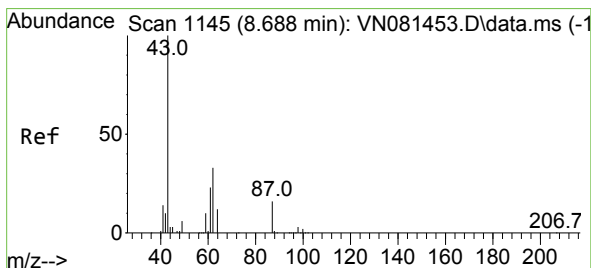
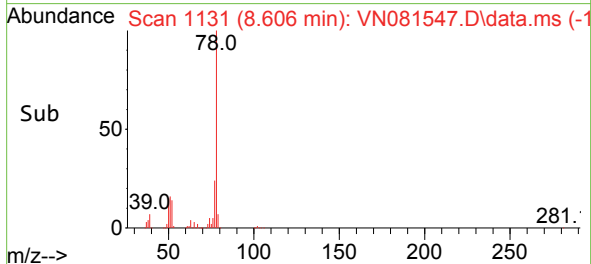
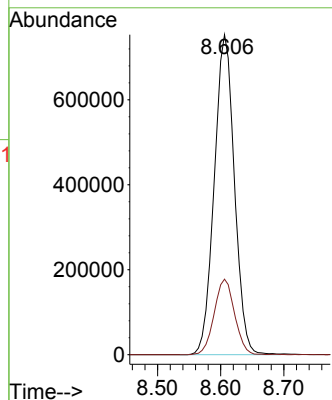
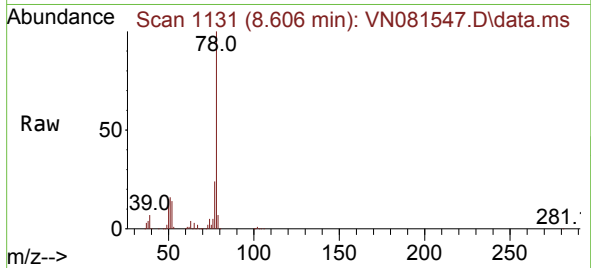




#40
Benzene
Concen: 63.727 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

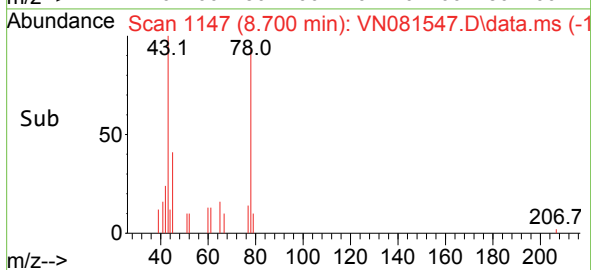
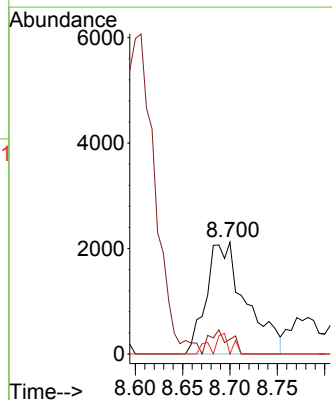
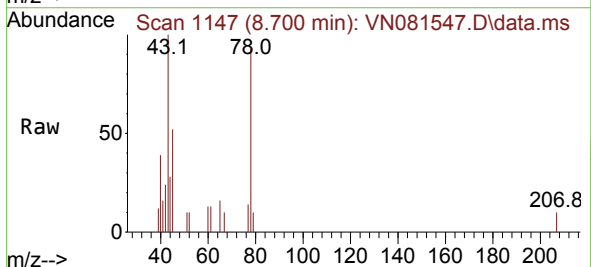
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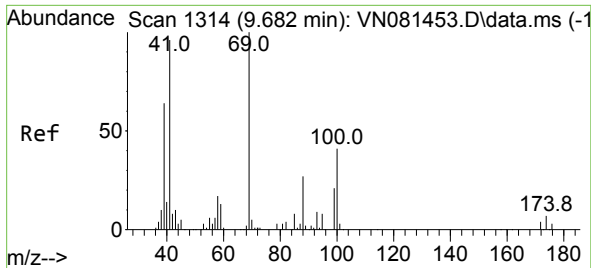
Tgt Ion: 78 Resp: 1670645
Ion Ratio Lower Upper
78 100
77 23.6 20.4 30.6



#43
Isopropyl Acetate
Concen: 0.483 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.012 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

Tgt Ion: 43 Resp: 6147
Ion Ratio Lower Upper
43 100
61 11.2 19.9 29.9#
87 8.1 9.0 13.6#

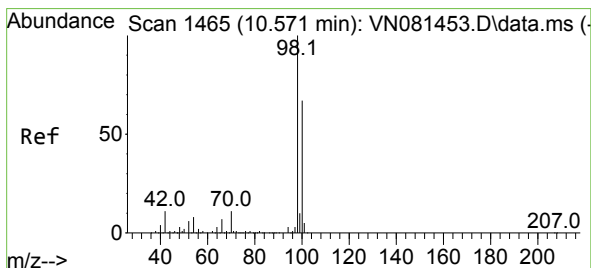
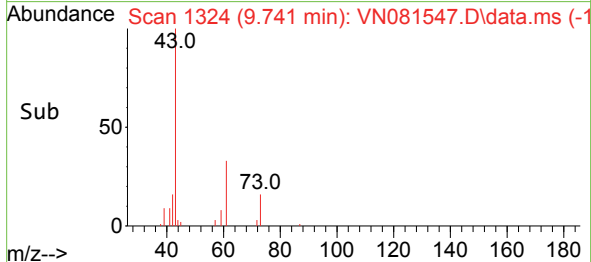
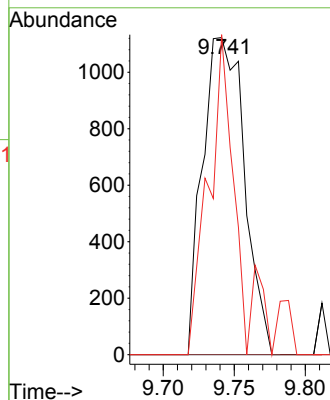
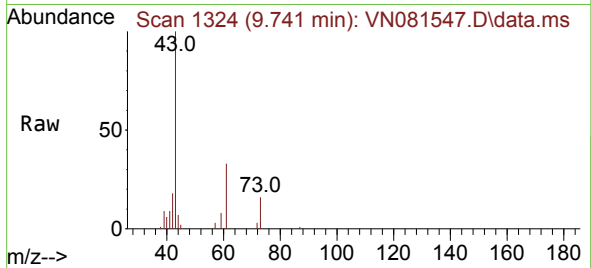




#48
Methyl methacrylate
Concen: 0.391 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

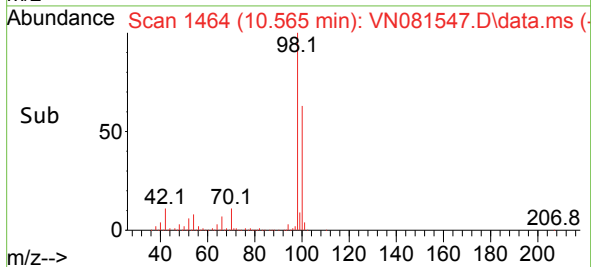
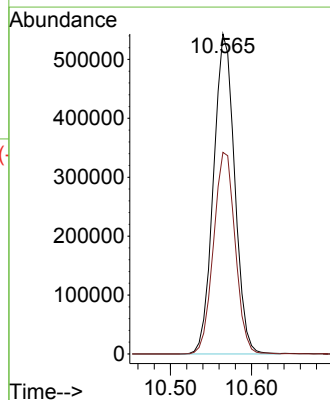
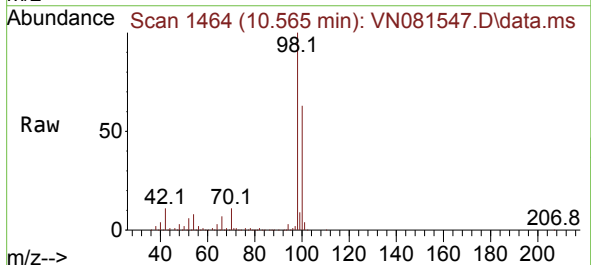
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ClientSampleId :
S-14DL

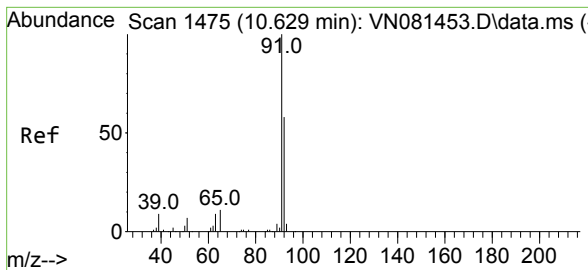
Tgt Ion: 41 Resp: 2296
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 58.5 47.6 71.4



#50
Toluene-d8
Concen: 51.093 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

Tgt Ion: 98 Resp: 984128
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0





#52

Toluene

Concen: 31.725 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

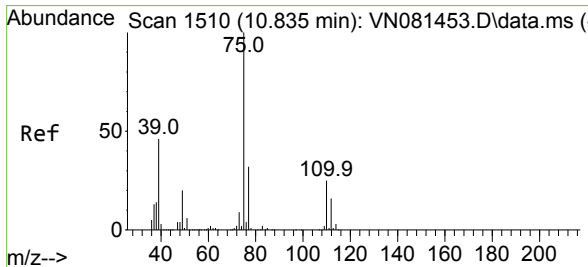
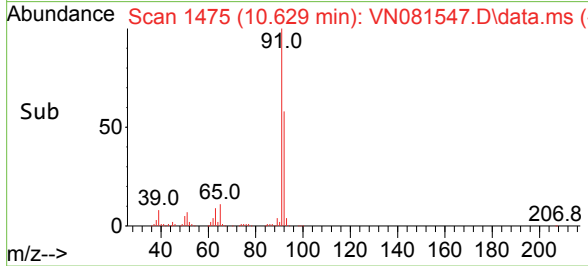
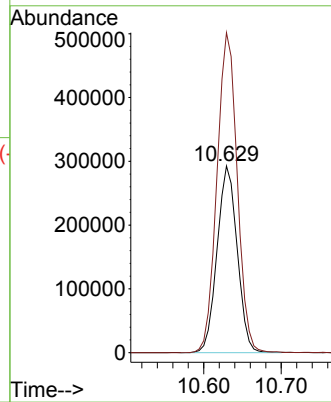
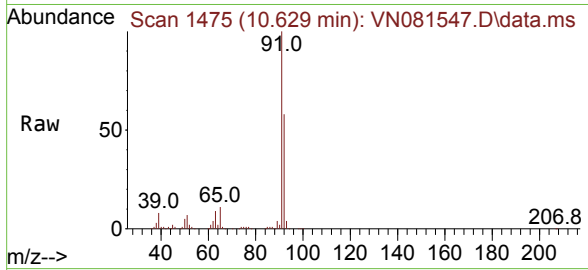
S-14DL

Tgt Ion: 92 Resp: 528622

Ion Ratio Lower Upper

92 100

91 172.7 139.4 209.0



#53

t-1,3-Dichloropropene

Concen: 0.629 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.206 min

Lab File: VN081547.D

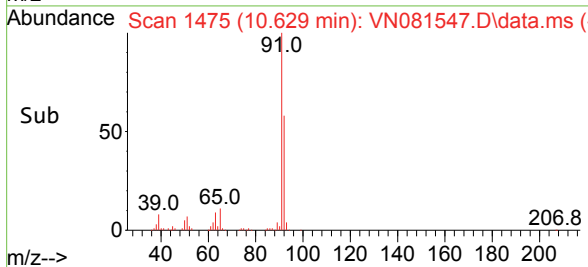
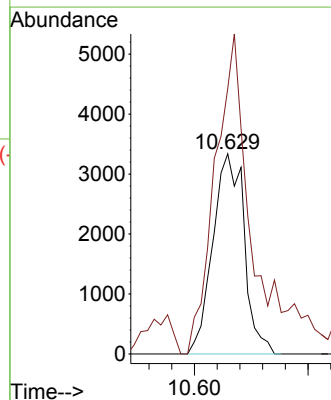
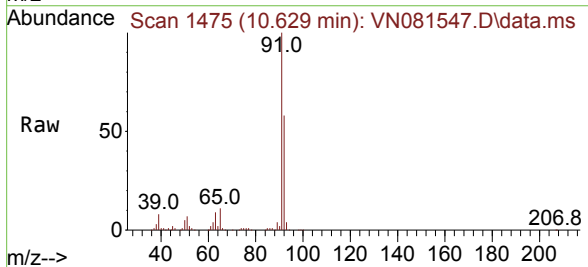
Acq: 22 Mar 2024 14:50

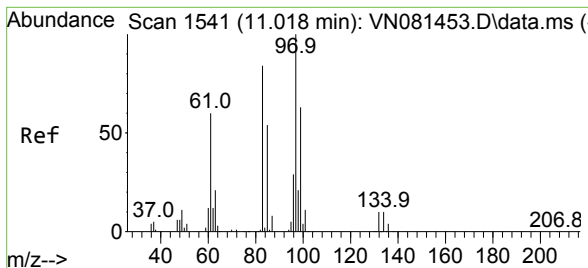
Tgt Ion: 75 Resp: 6409

Ion Ratio Lower Upper

75 100

77 132.7 25.5 38.3#





#55

1,1,2-Trichloroethane

Concen: 0.819 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. -0.141 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

S-14DL

Tgt Ion: 97 Resp: 5493

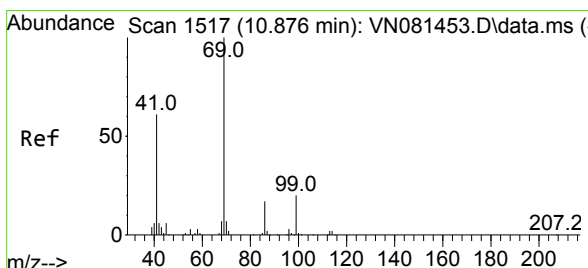
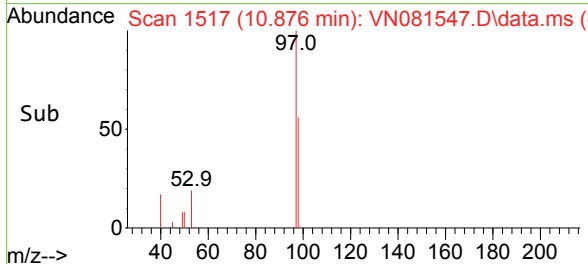
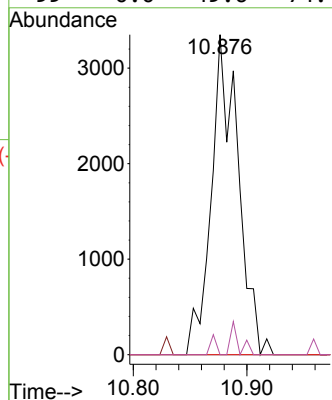
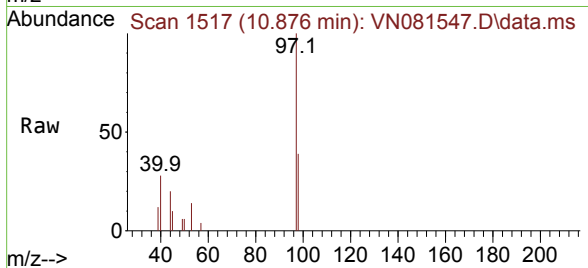
Ion Ratio Lower Upper

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: 0.588 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.006 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

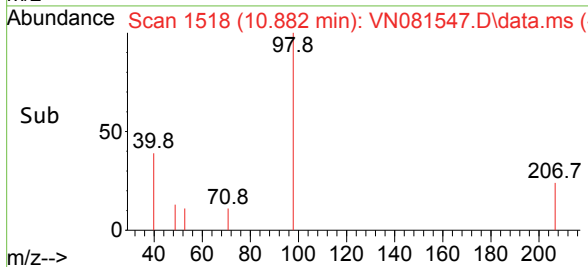
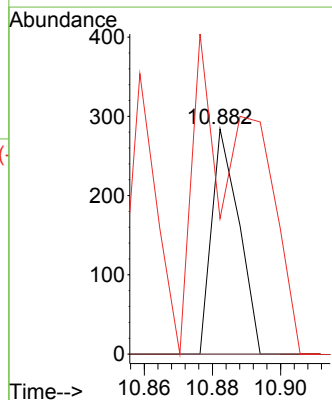
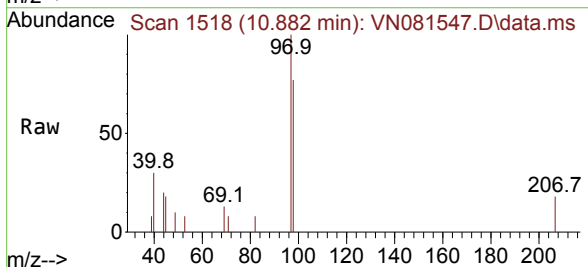
Tgt Ion: 69 Resp: 157

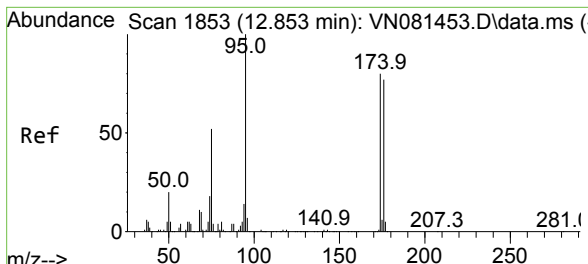
Ion Ratio Lower Upper

69 100

41 0.0 61.0 91.6#

39 0.0 31.8 47.6#

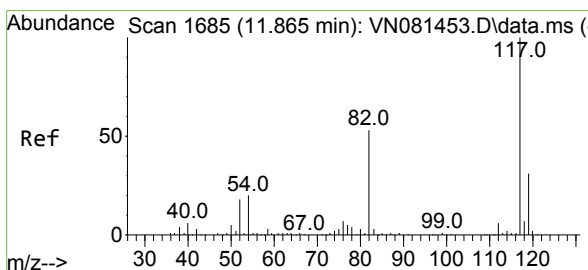
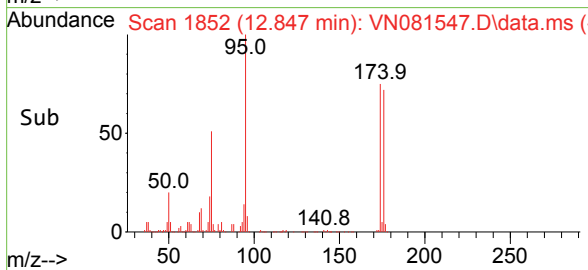
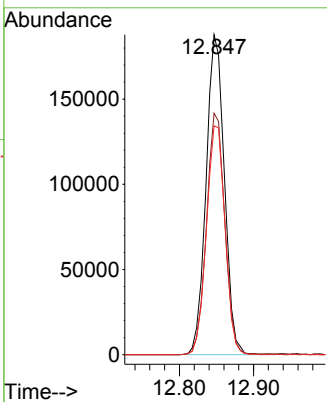
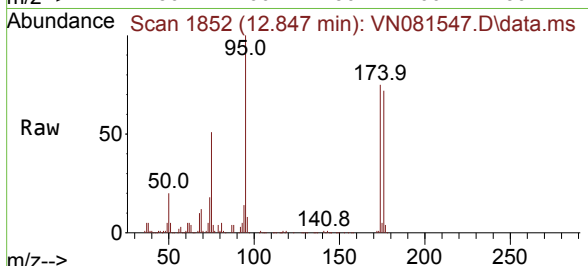




#62
4-Bromofluorobenzene
Concen: 47.439 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

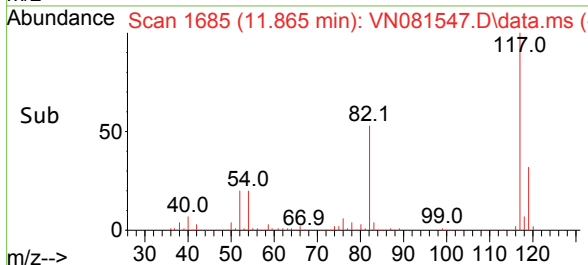
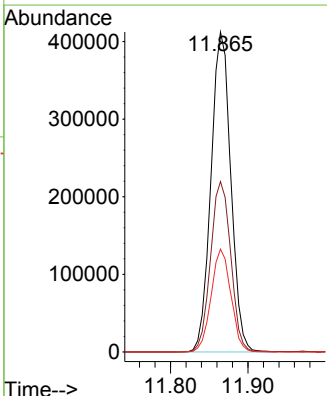
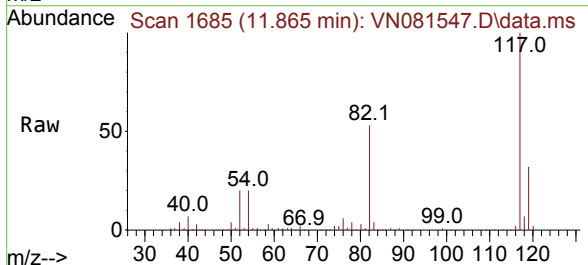
Instrument :
MSVOA_N
ClientSampleId :
S-14DL

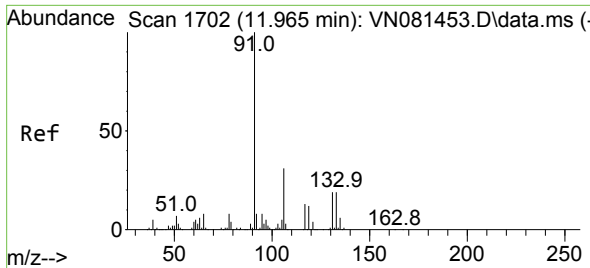
Tgt Ion:	95	Resp:	321967
Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	120.4
176	72.9	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

Tgt Ion:	117	Resp:	733517
Ion	Ratio	Lower	Upper
117	100		
82	53.2	52.7	79.1
119	32.1	25.3	37.9

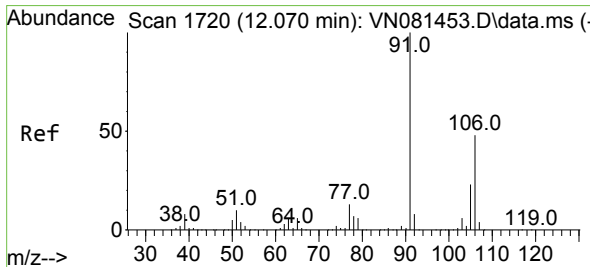
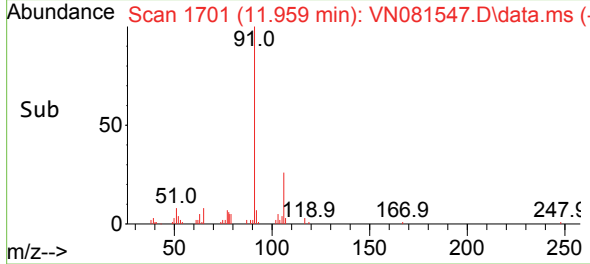
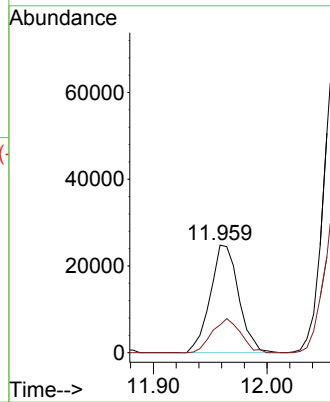
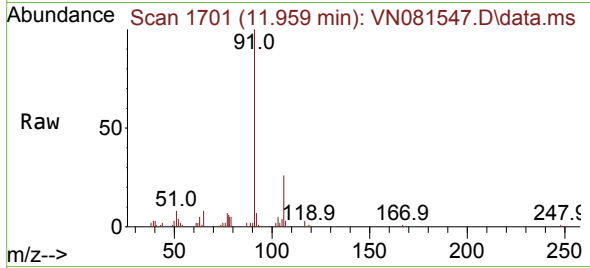




#67
Ethyl Benzene
Concen: 1.430 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

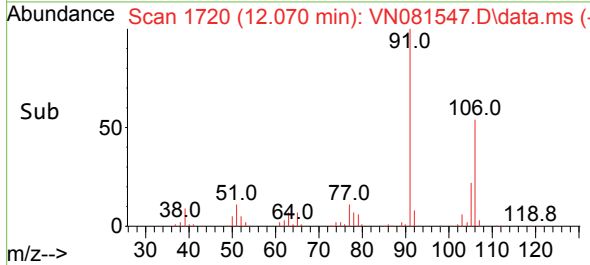
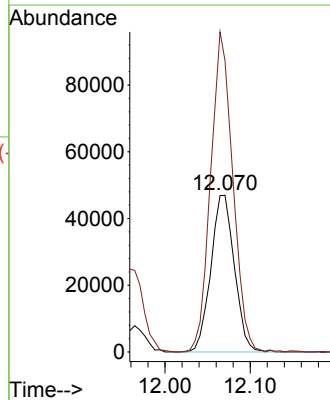
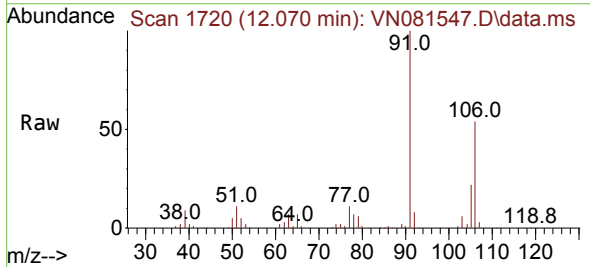
Instrument :
MSVOA_N
ClientSampleId :
S-14DL

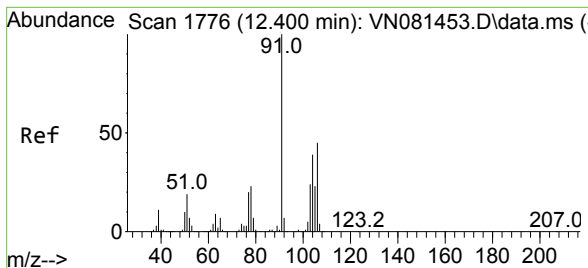
Tgt Ion: 91 Resp: 43061
Ion Ratio Lower Upper
91 100
106 25.7 23.8 35.6



#68
m/p-Xylenes
Concen: 7.990 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

Tgt Ion:106 Resp: 90218
Ion Ratio Lower Upper
106 100
91 192.2 169.0 253.6





#69

o-Xylene

Concen: 5.143 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

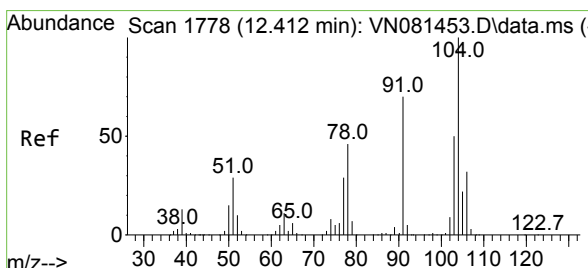
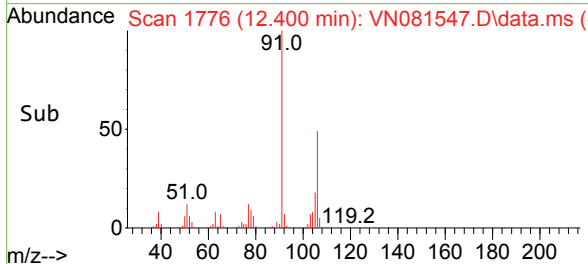
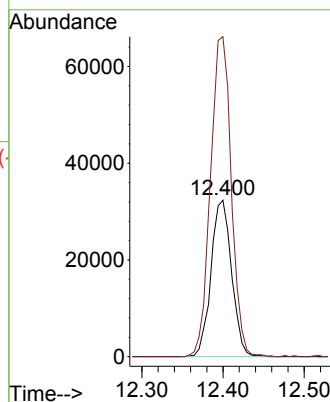
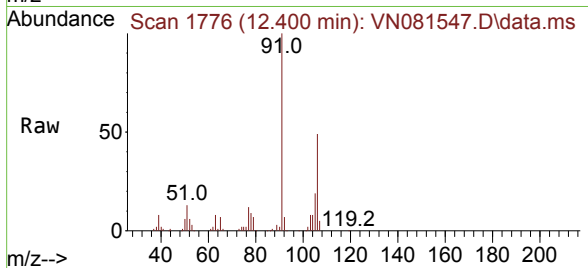
S-14DL

Tgt Ion:106 Resp: 57010

Ion Ratio Lower Upper

106 100

91 206.6 112.1 336.3



#70

Styrene

Concen: 0.538 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.012 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

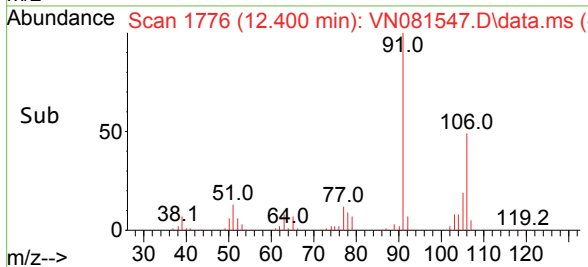
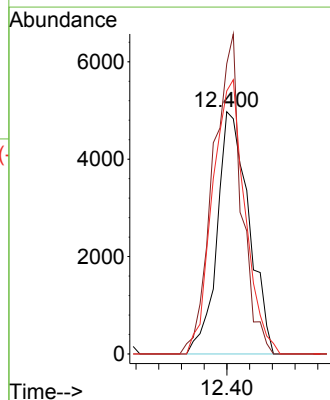
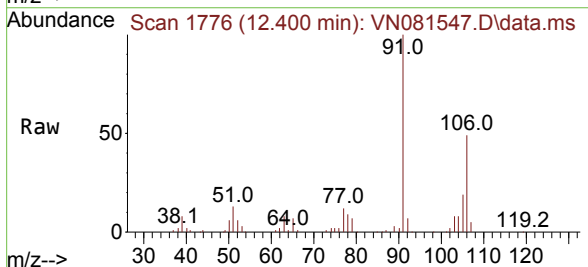
Tgt Ion:104 Resp: 9617

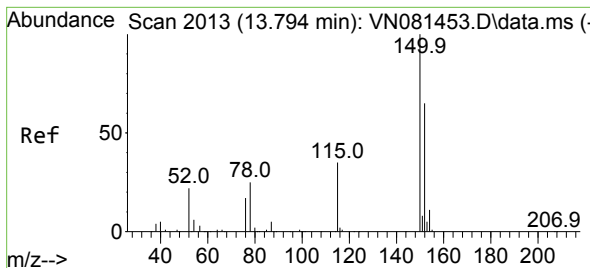
Ion Ratio Lower Upper

104 100

78 118.4 43.8 65.8#

103 116.2 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: VN081547.D

Acq: 22 Mar 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

S-14DL

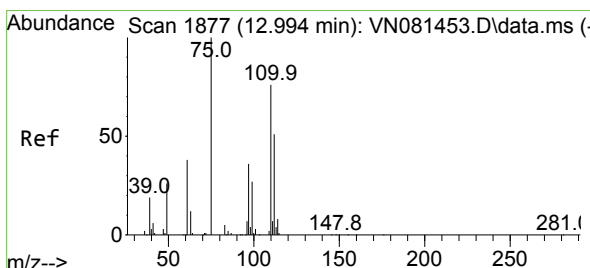
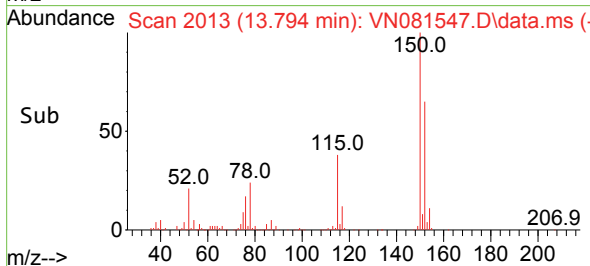
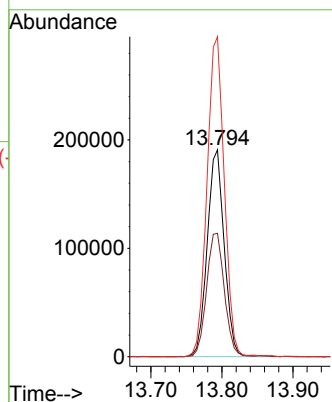
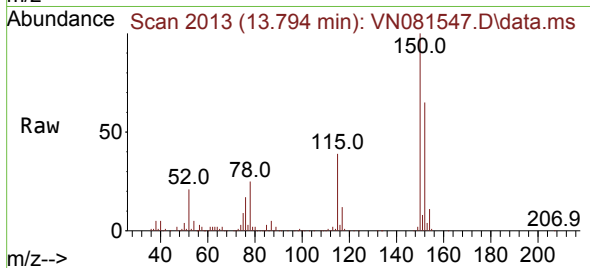
Tgt Ion:152 Resp: 317332

Ion Ratio Lower Upper

152 100

115 62.6 32.3 96.8

150 157.4 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 22.196 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081547.D

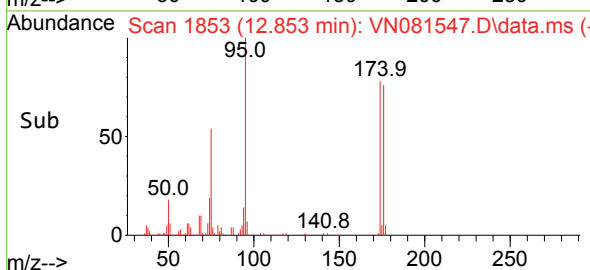
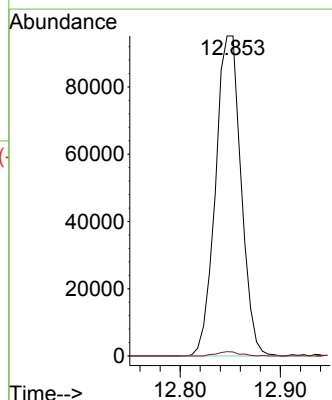
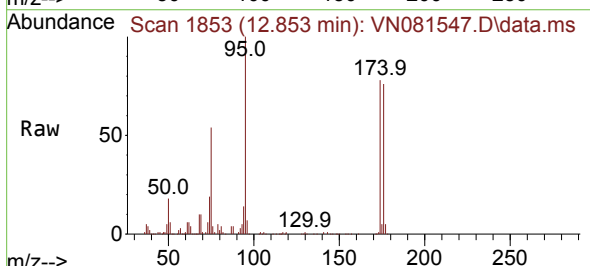
Acq: 22 Mar 2024 14:50

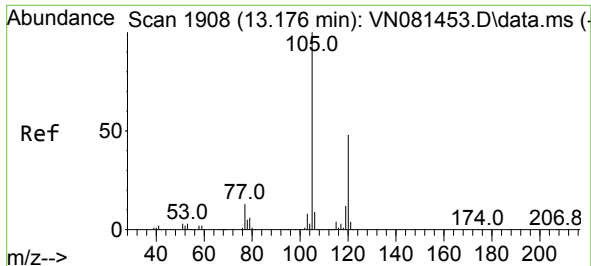
Tgt Ion: 75 Resp: 168481

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#

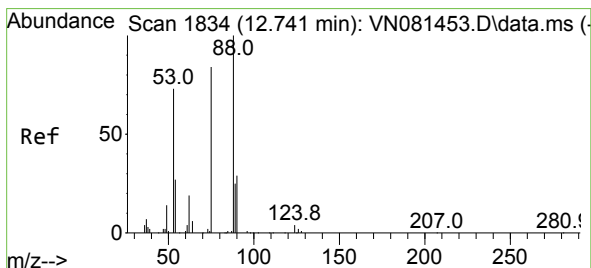
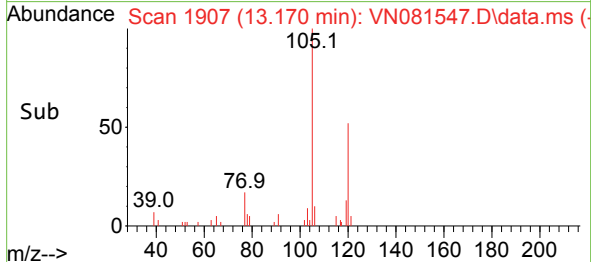
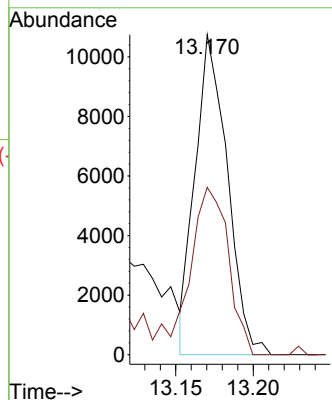
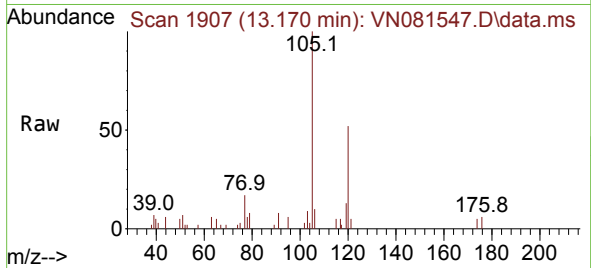




#80
1,3,5-Trimethylbenzene
Concen: 0.694 ug/l
RT: 13.170 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

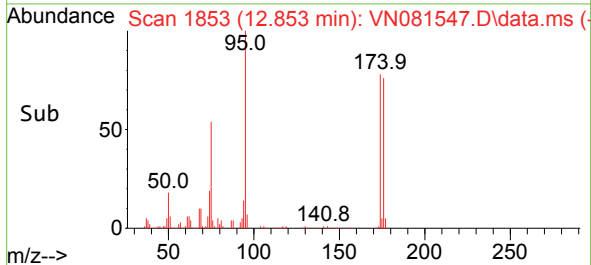
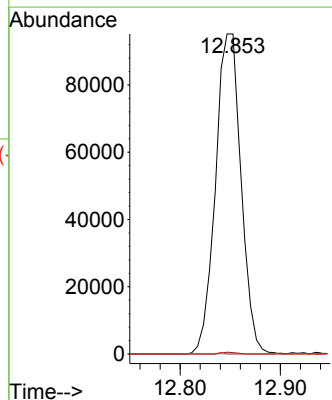
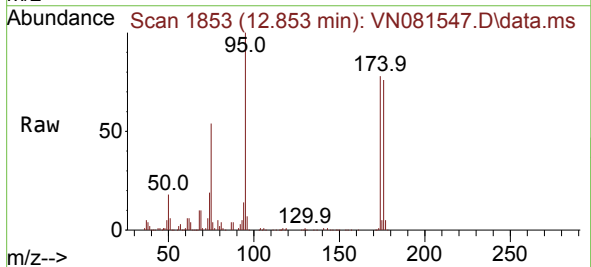
Instrument :
MSVOA_N
ClientSampleId :
S-14DL

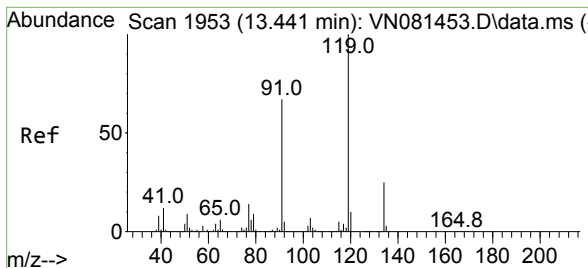
Tgt Ion:105 Resp: 15508
Ion Ratio Lower Upper
105 100
120 59.5 23.0 69.0



#81
trans-1,4-Dichloro-2-butene
Concen: 59.980 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081547.D
Acq: 22 Mar 2024 14:50

Tgt Ion: 75 Resp: 168481
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.2#
89 0.1 33.4 50.0#





#83

tert-Butylbenzene

Concen: 0.295 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.041 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

S-14DL

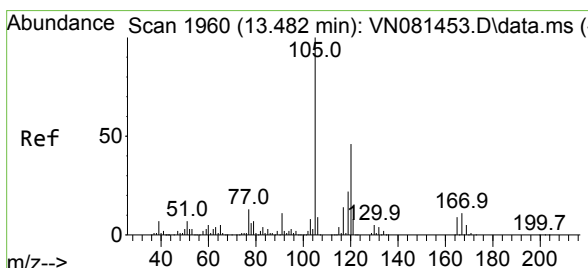
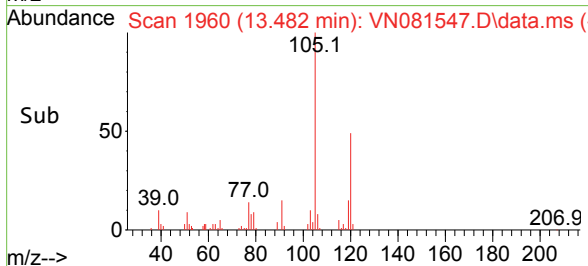
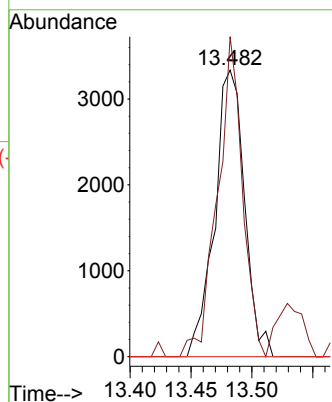
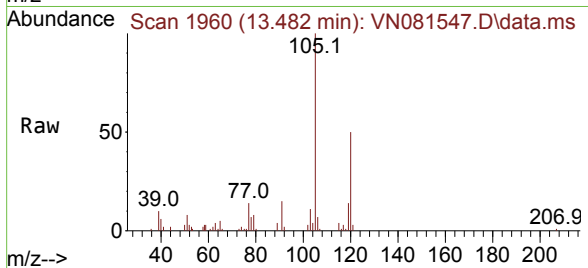
Tgt Ion:119 Resp: 5693

Ion Ratio Lower Upper

119 100

91 93.5 36.8 110.4

134 0.0 12.4 37.4#



#84

1,2,4-Trimethylbenzene

Concen: 2.002 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN081547.D

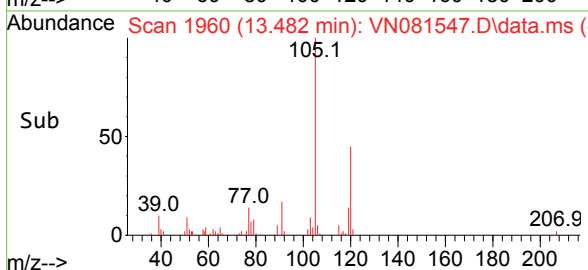
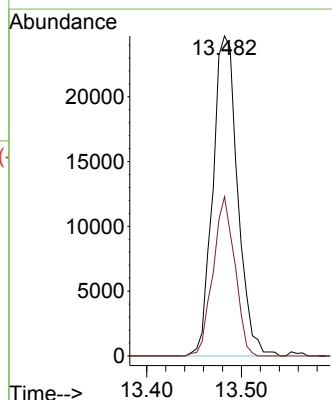
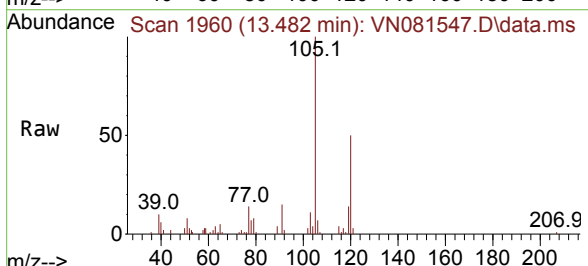
Acq: 22 Mar 2024 14:50

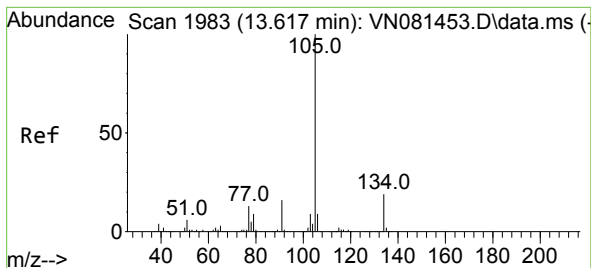
Tgt Ion:105 Resp: 44955

Ion Ratio Lower Upper

105 100

120 43.7 20.9 62.7





#85

sec-Butylbenzene

Concen: 1.632 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

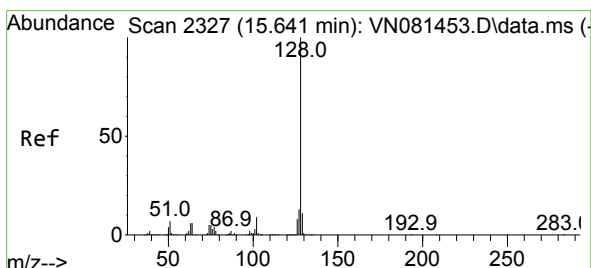
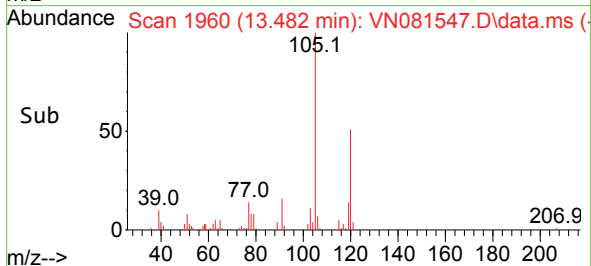
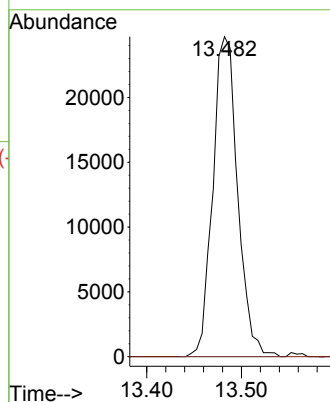
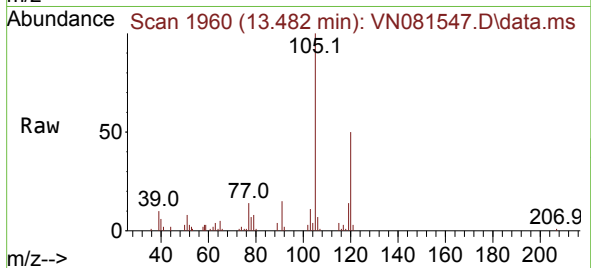
S-14DL

Tgt Ion:105 Resp: 44955

Ion Ratio Lower Upper

105 100

134 0.0 8.6 25.8#



#95

Naphthalene

Concen: 33.186 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN081547.D

Acq: 22 Mar 2024 14:50

Tgt Ion:128 Resp: 734696

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 10.6 8.7 13.1

