

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
 Data File : VN081546.D
 Acq On : 22 Mar 2024 14:26
 Operator : JC\MD
 Sample : P1798-13DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-13DL

Quant Time: Mar 23 00:14:30 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)

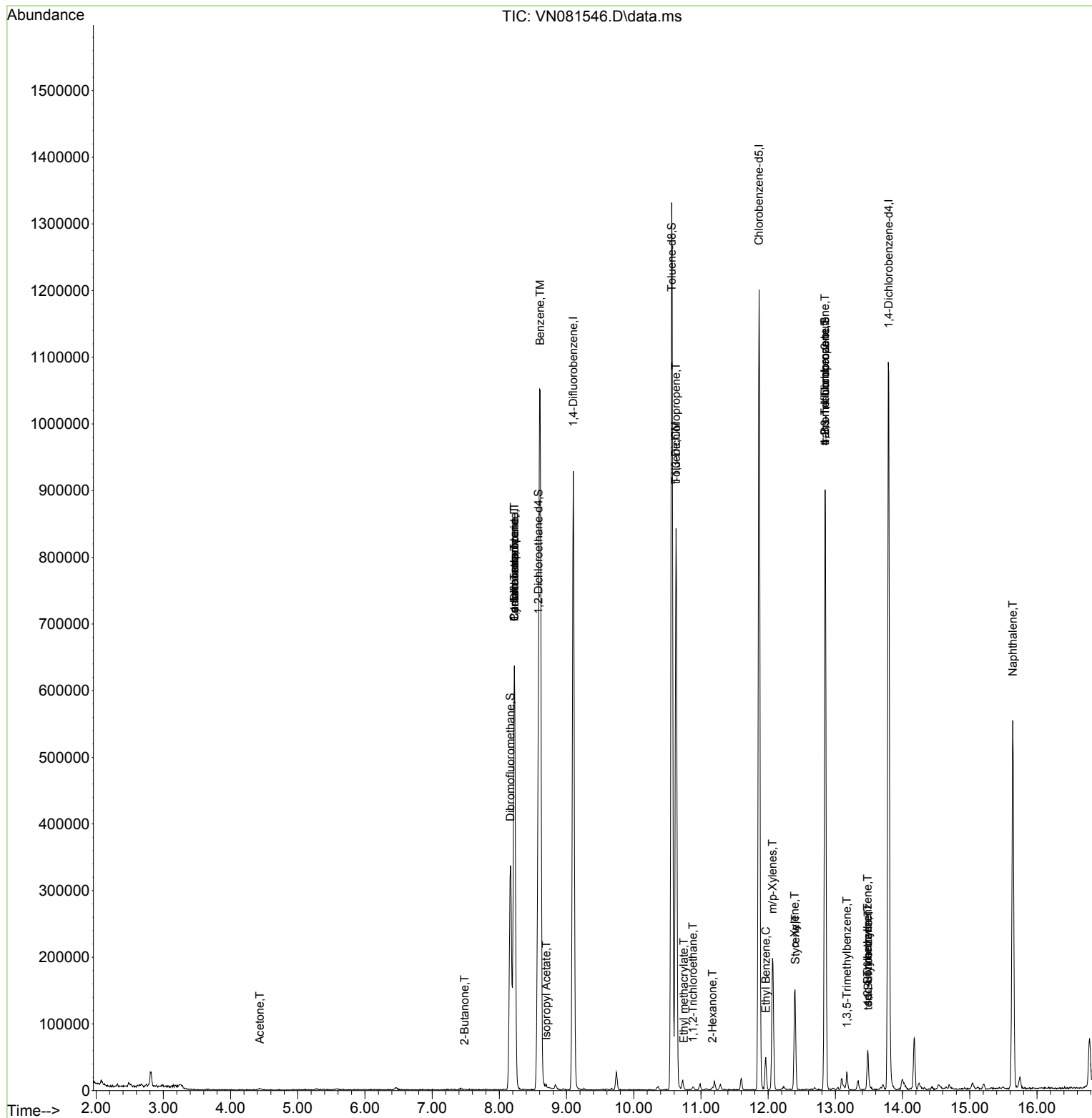
Internal Standards						
1) Pentafluorobenzene	8.224	168	450086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	806657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	707644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	297885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	285614	49.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.520%		
35) Dibromofluoromethane	8.165	113	245737	48.271	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.540%		
50) Toluene-d8	10.565	98	945392	51.372	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.740%		
62) 4-Bromofluorobenzene	12.847	95	310737	47.921	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	95.840%		
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	3929	2.118	ug/l	95
25) 2-Butanone	7.483	43	775	0.244	ug/l #	71
31) Cyclohexane	8.224	56	11353	1.215	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	37644	4.394	ug/l #	51
38) Carbon Tetrachloride	8.224	117	48825	5.202	ug/l #	18
40) Benzene	8.606	78	1051735	41.990	ug/l	96
43) Isopropyl Acetate	8.700	43	5968	0.491	ug/l #	63
52) Toluene	10.629	92	371062	23.308	ug/l	99
53) t-1,3-Dichloropropene	10.629	75	4361	0.448	ug/l #	1
55) 1,1,2-Trichloroethane	10.882	97	4308	0.672	ug/l #	15
56) Ethyl methacrylate	10.747	69	73	0.579	ug/l #	20
59) 2-Hexanone	11.171	43	2919	0.532	ug/l #	26
67) Ethyl Benzene	11.965	91	31660	1.090	ug/l #	84
68) m/p-Xylenes	12.065	106	66970	6.148	ug/l	92
69) o-Xylene	12.394	106	44175	4.131	ug/l	88
70) Styrene	12.406	104	7275	0.422	ug/l #	14
76) 1,2,3-Trichloropropane	12.847	75	159890	22.439	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	12649	0.603	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.847	75	159890	60.637	ug/l #	14
83) tert-Butylbenzene	13.488	119	3684	0.204	ug/l #	48
84) 1,2,4-Trimethylbenzene	13.482	105	33326	1.581	ug/l	98
85) sec-Butylbenzene	13.482	105	33326	1.289	ug/l #	60
95) Naphthalene	15.641	128	513290	24.698	ug/l	99

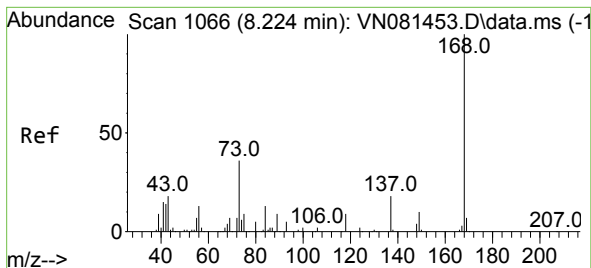
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
Data File : VN081546.D
Acq On : 22 Mar 2024 14:26
Operator : JC\MD
Sample : P1798-13DL 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S-13DL

Quant Time: Mar 23 00:14:30 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

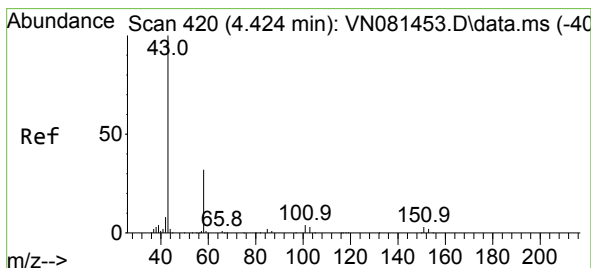
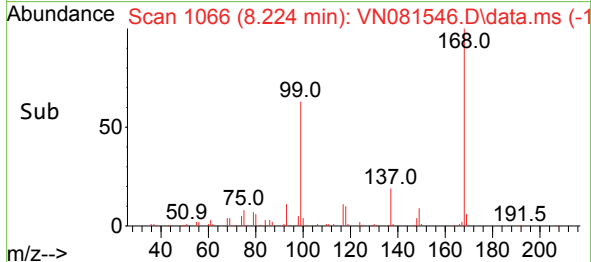
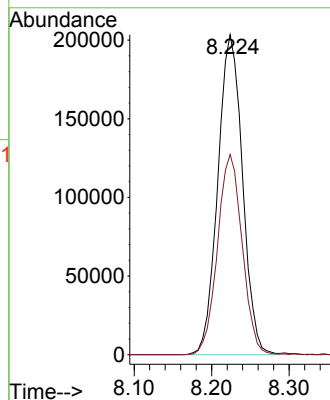
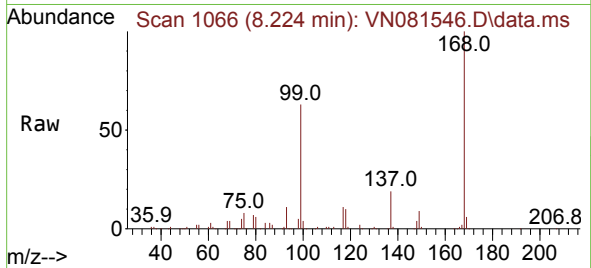




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

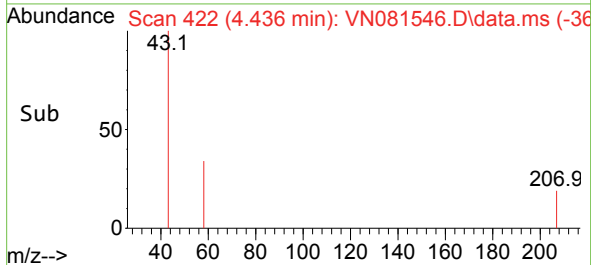
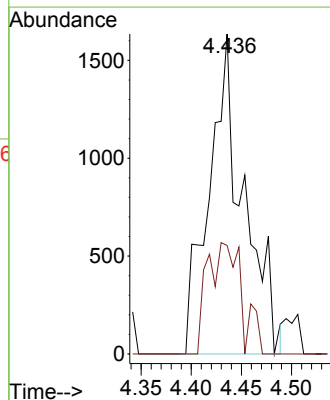
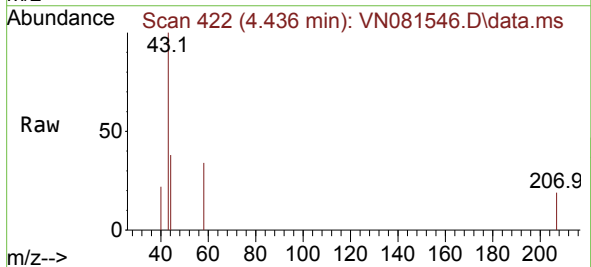
Instrument :
MSVOA_N
ClientSampleId :
S-13DL

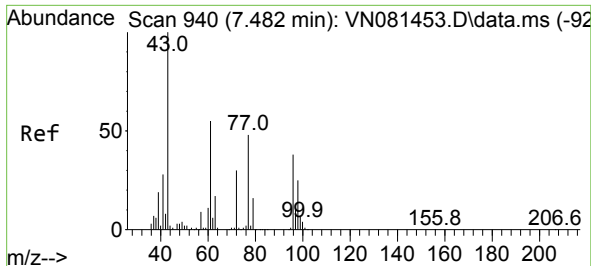
Tgt Ion:168 Resp: 450086
Ion Ratio Lower Upper
168 100
99 62.5 59.9 89.9



#16
Acetone
Concen: 2.118 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

Tgt Ion: 43 Resp: 3929
Ion Ratio Lower Upper
43 100
58 33.9 24.8 37.2





#25

2-Butanone

Concen: 0.244 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN081546.D

Acq: 22 Mar 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

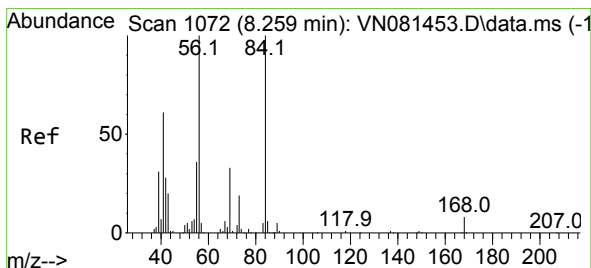
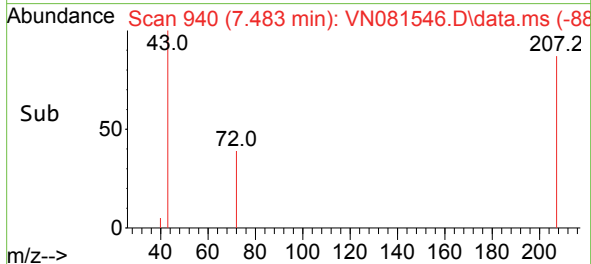
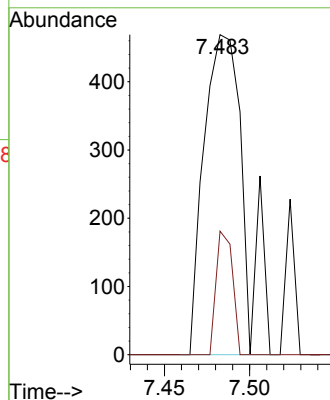
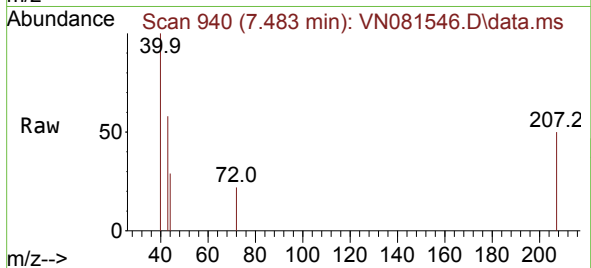
S-13DL

Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

72 38.6 19.5 29.3#



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081546.D

Acq: 22 Mar 2024 14:26

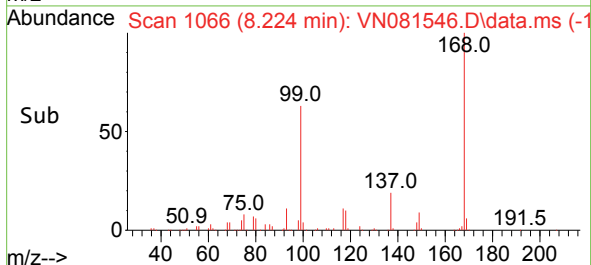
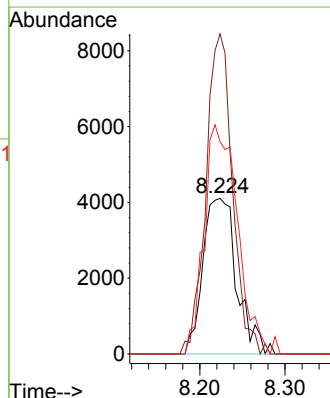
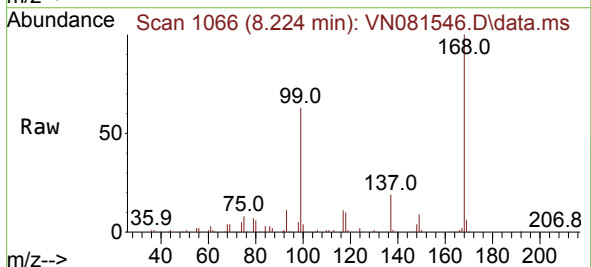
Tgt Ion: 56 Resp: 11353

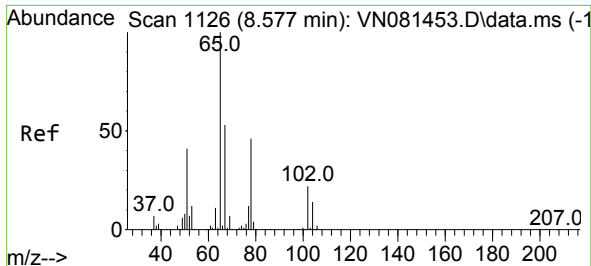
Ion Ratio Lower Upper

56 100

69 205.7 20.1 30.1#

84 136.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.760 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081546.D

Acq: 22 Mar 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

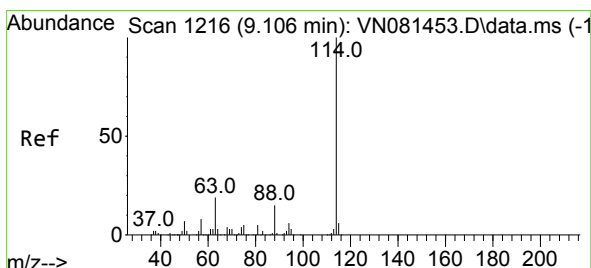
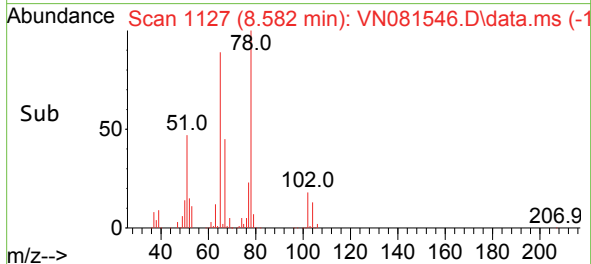
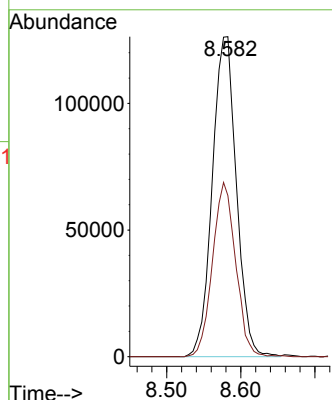
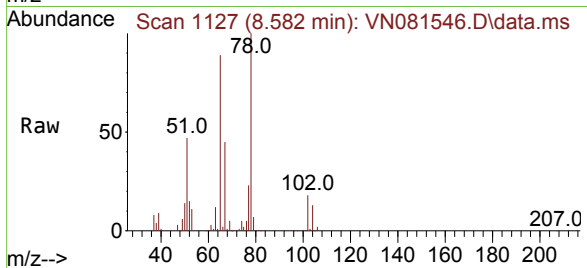
S-13DL

Tgt Ion: 65 Resp: 285614

Ion Ratio Lower Upper

65 100

67 52.3 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: VN081546.D

Acq: 22 Mar 2024 14:26

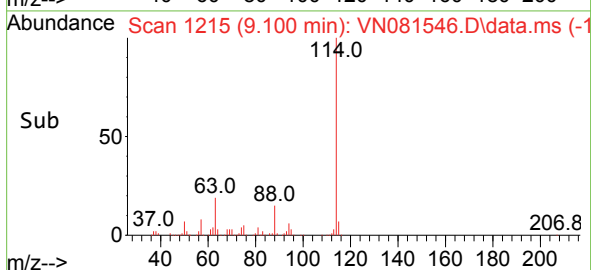
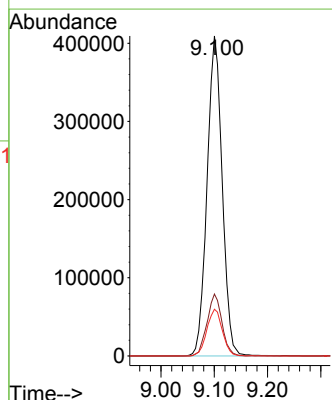
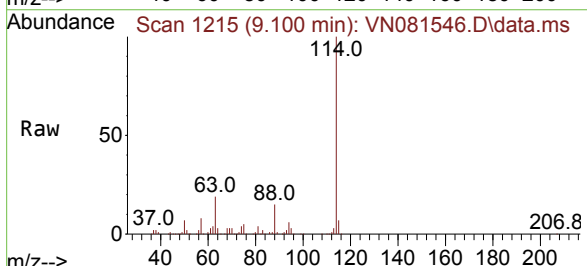
Tgt Ion: 114 Resp: 806657

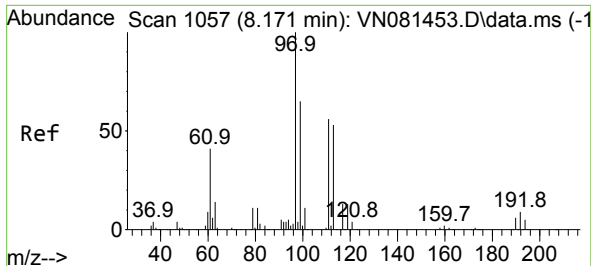
Ion Ratio Lower Upper

114 100

63 19.4 0.0 48.0

88 14.6 0.0 34.8

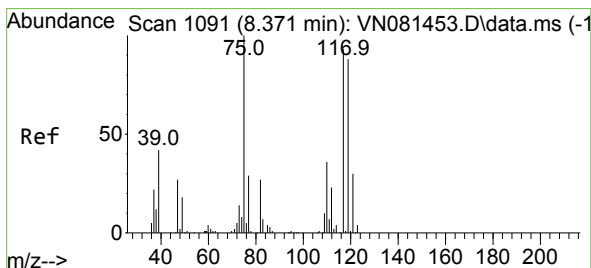
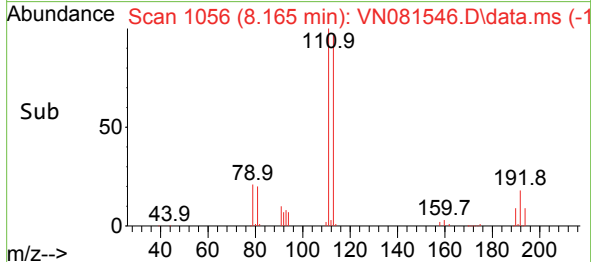
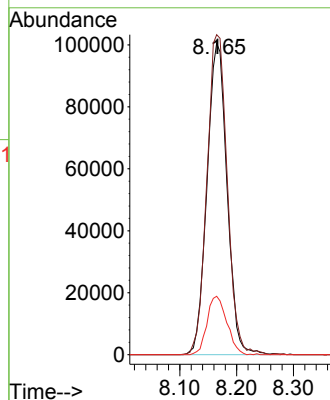
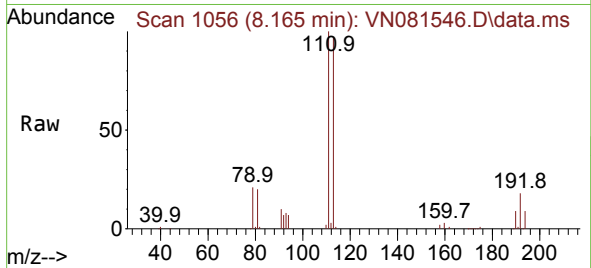




#35
Dibromofluoromethane
Concen: 48.271 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

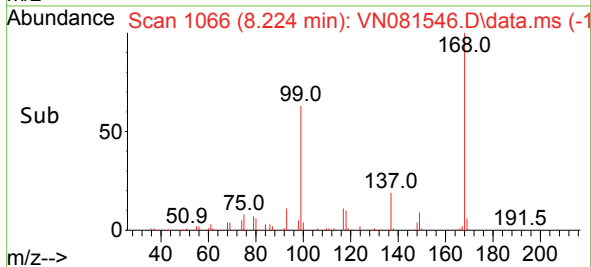
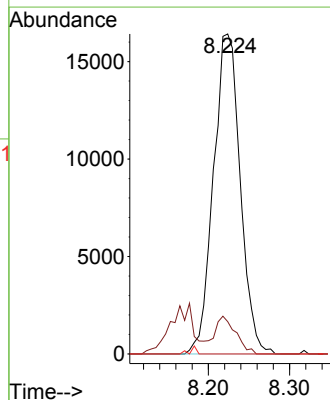
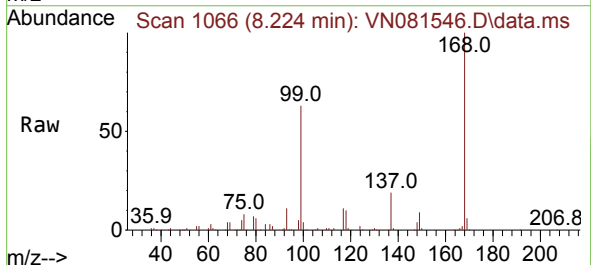
Instrument :
MSVOA_N
ClientSampleId :
S-13DL

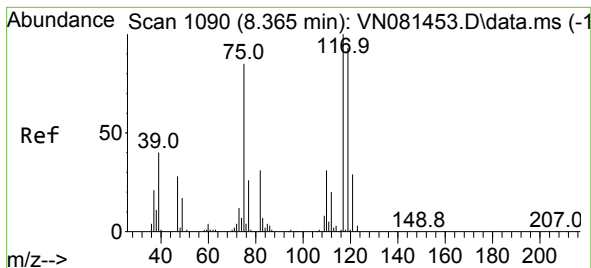
Tgt Ion:113 Resp: 245737
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.4
192 18.5 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.394 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

Tgt Ion: 75 Resp: 37644
Ion Ratio Lower Upper
75 100
110 9.5 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.202 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN081546.D

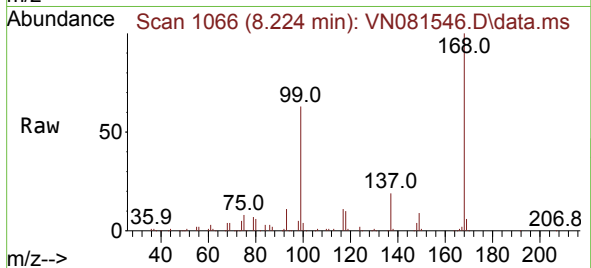
Acq: 22 Mar 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

S-13DL



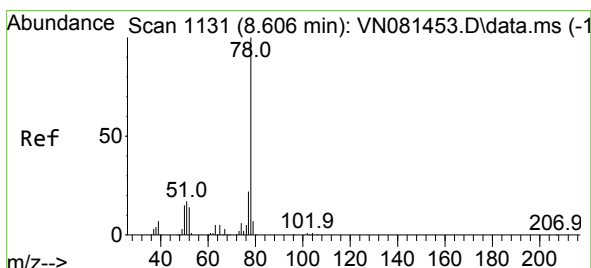
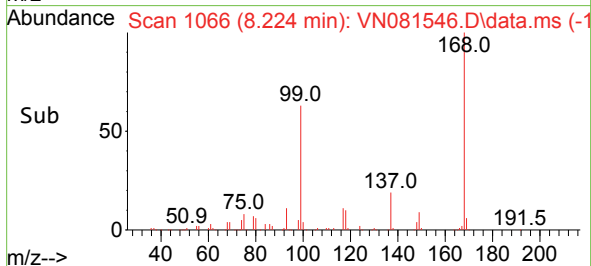
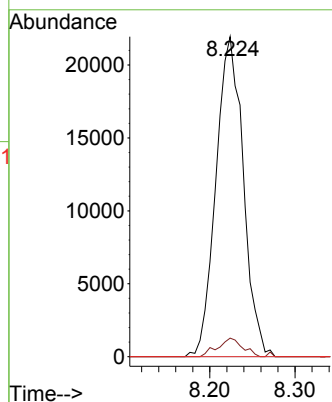
Tgt Ion:117 Resp: 48825

Ion Ratio Lower Upper

117 100

119 5.8 73.4 110.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 41.990 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081546.D

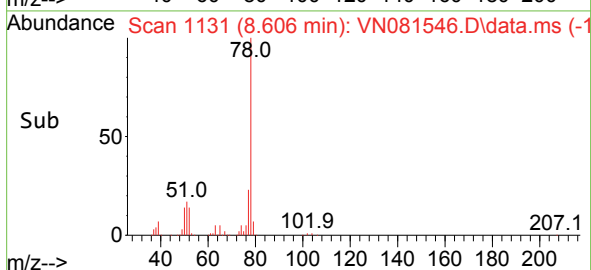
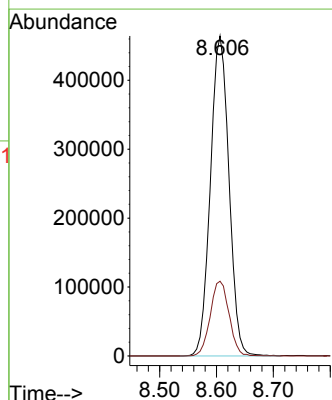
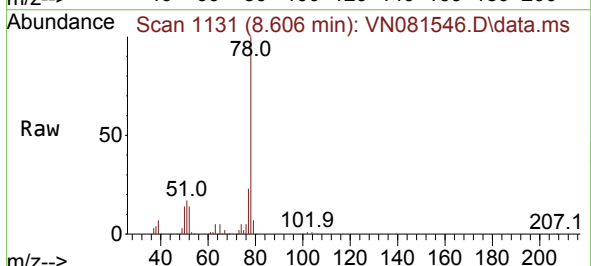
Acq: 22 Mar 2024 14:26

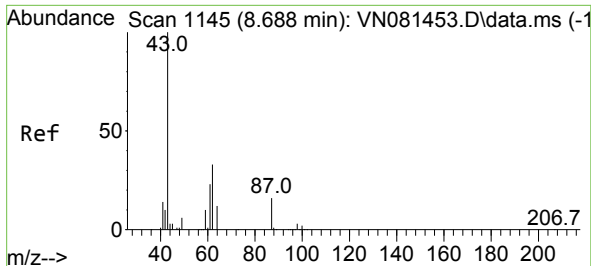
Tgt Ion: 78 Resp: 1051735

Ion Ratio Lower Upper

78 100

77 23.3 20.4 30.6

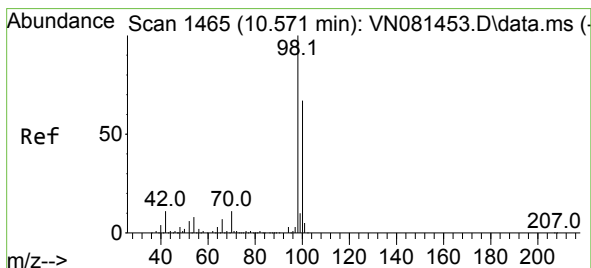
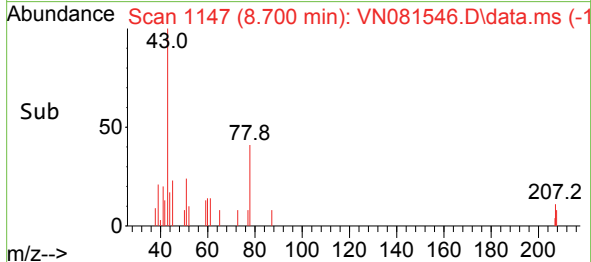
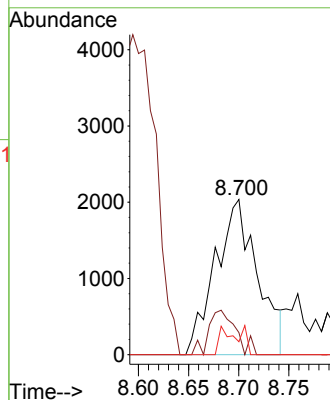
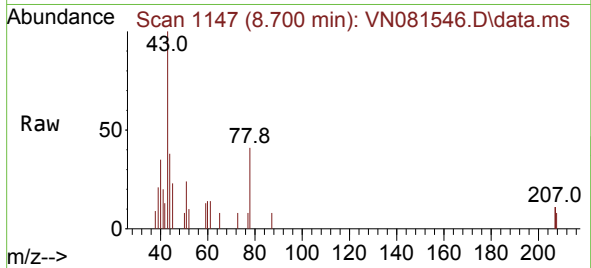




#43
Isopropyl Acetate
Concen: 0.491 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

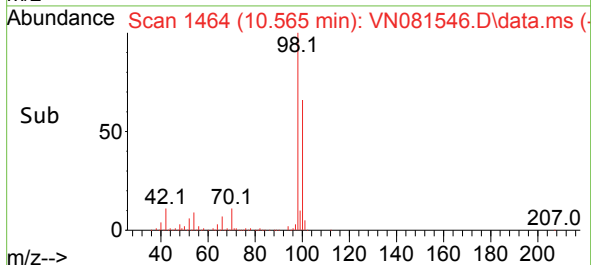
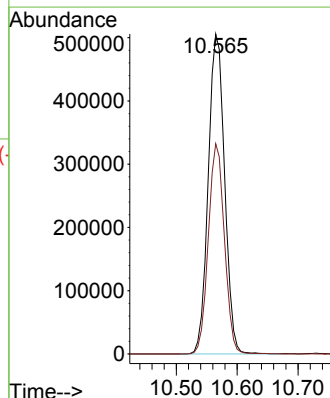
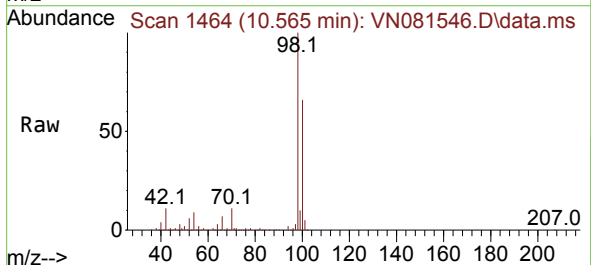
Instrument :
MSVOA_N
ClientSampleId :
S-13DL

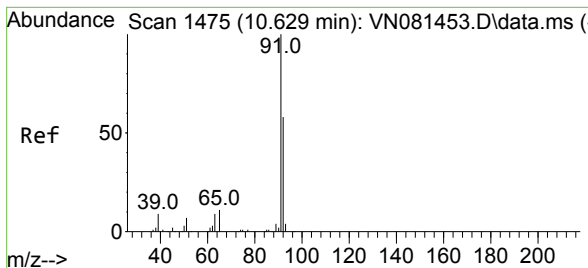
Tgt Ion: 43 Resp: 5968
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 8.3 9.0 13.6#



#50
Toluene-d8
Concen: 51.372 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

Tgt Ion: 98 Resp: 945392
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0





#52

Toluene

Concen: 23.308 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081546.D

Acq: 22 Mar 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

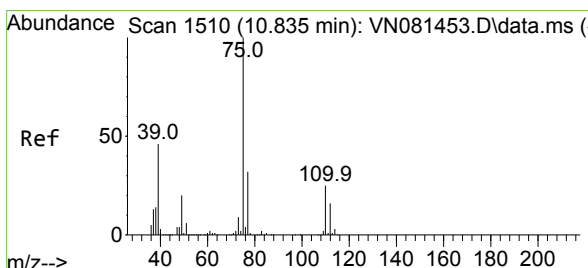
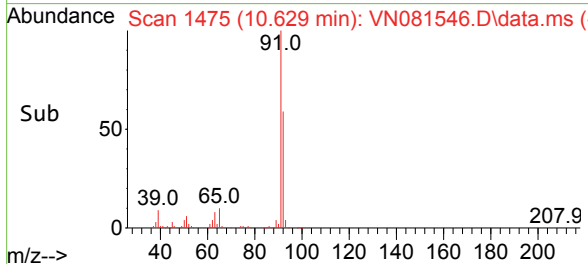
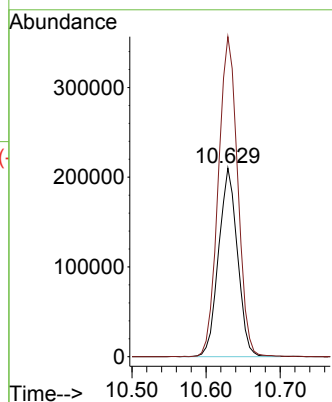
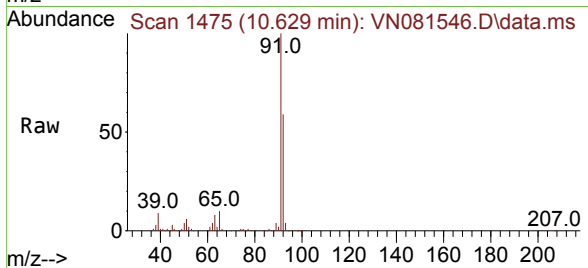
S-13DL

Tgt Ion: 92 Resp: 371062

Ion Ratio Lower Upper

92 100

91 175.0 139.4 209.0



#53

t-1,3-Dichloropropene

Concen: 0.448 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.206 min

Lab File: VN081546.D

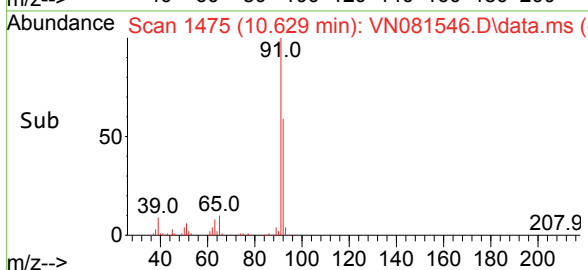
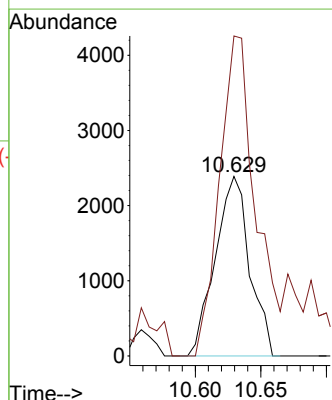
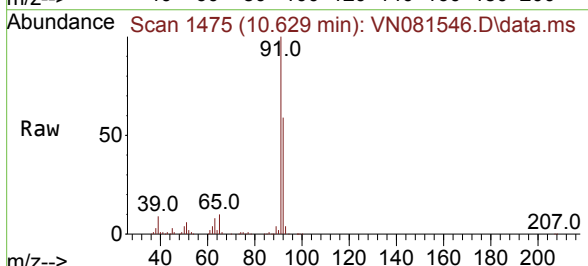
Acq: 22 Mar 2024 14:26

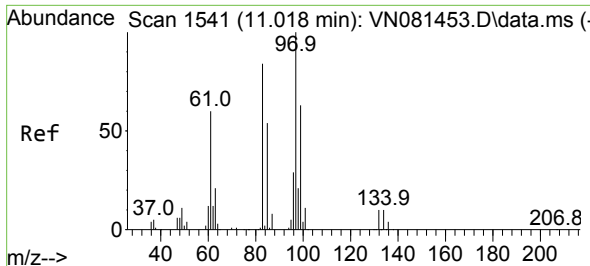
Tgt Ion: 75 Resp: 4361

Ion Ratio Lower Upper

75 100

77 178.3 25.5 38.3#

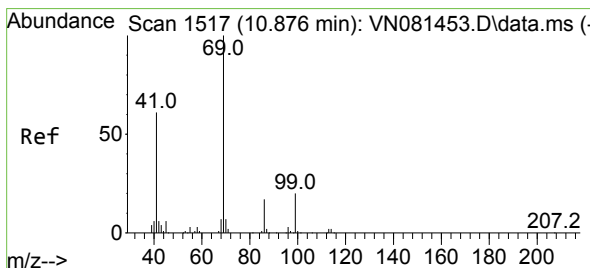
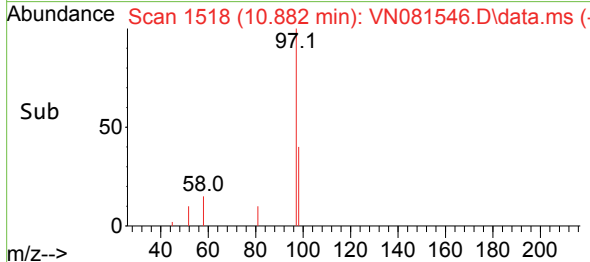
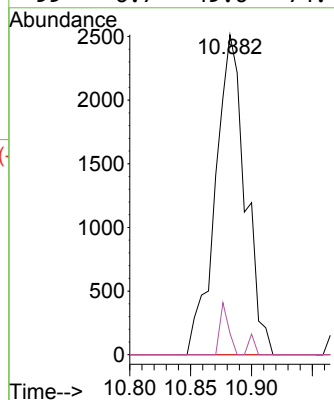
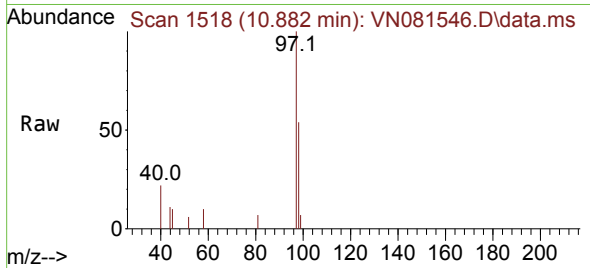




#55
1,1,2-Trichloroethane
Concen: 0.672 ug/l
RT: 10.882 min Scan# 1495
Delta R.T. -0.135 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

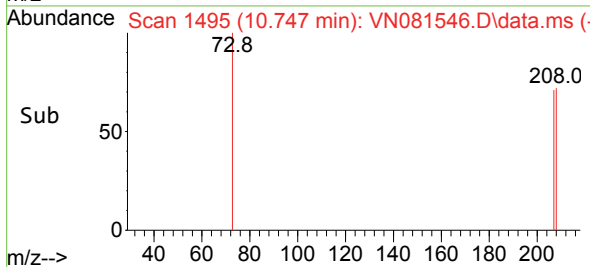
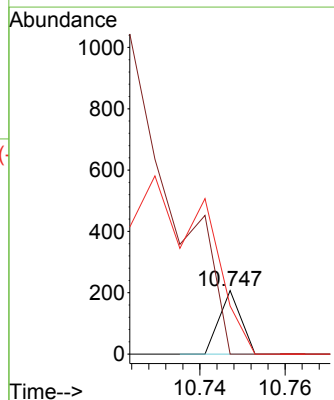
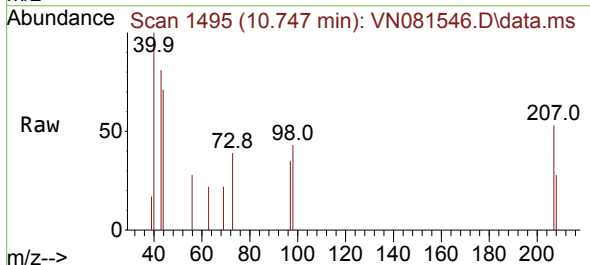
Instrument :
MSVOA_N
ClientSampleId :
S-13DL

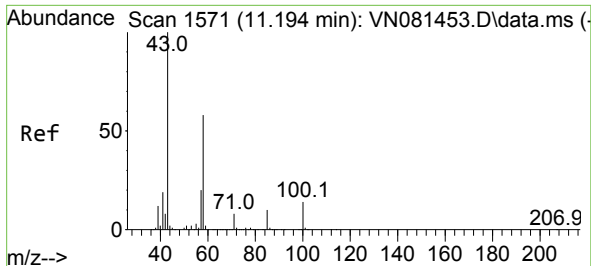
Tgt Ion: 97	Resp:	4308
Ion	Ratio	Lower Upper
97	100	
83	0.0	72.9 109.3#
85	0.0	50.2 75.2#
99	6.7	49.6 74.4#



#56
Ethyl methacrylate
Concen: 0.579 ug/l
RT: 10.747 min Scan# 1495
Delta R.T. -0.129 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

Tgt Ion: 69	Resp:	73
Ion	Ratio	Lower Upper
69	100	
41	0.0	61.0 91.6#
39	0.0	31.8 47.6#

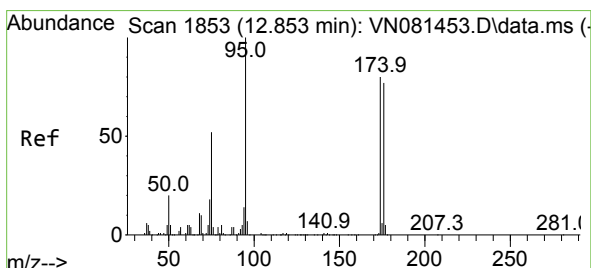
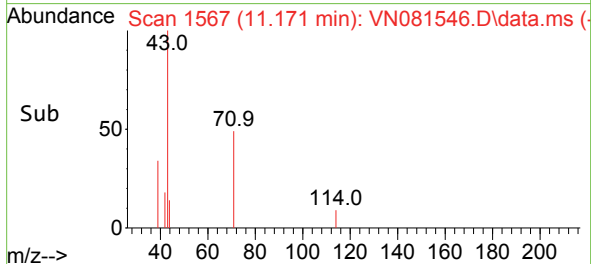
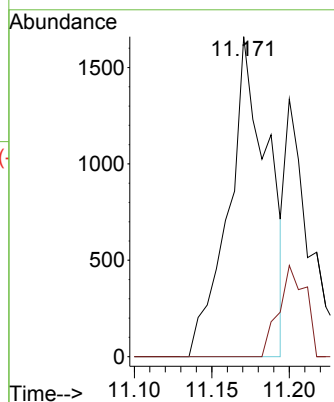
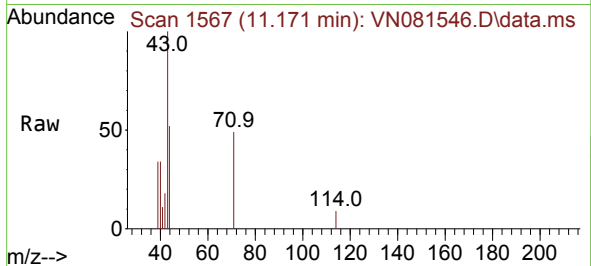




#59
2-Hexanone
Concen: 0.532 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

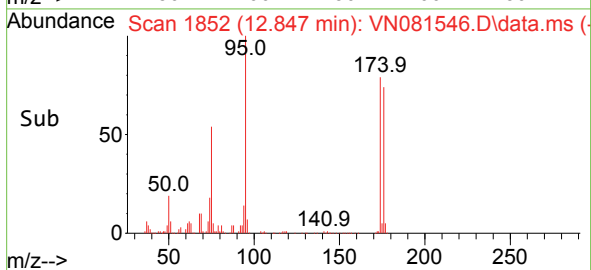
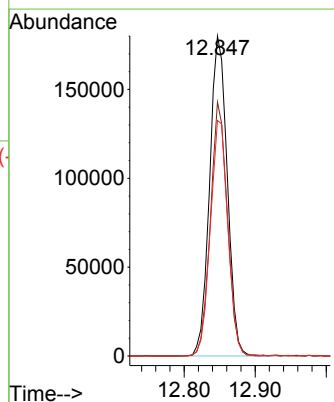
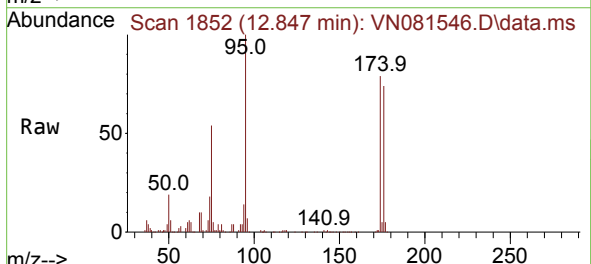
Instrument :
MSVOA_N
ClientSampleId :
S-13DL

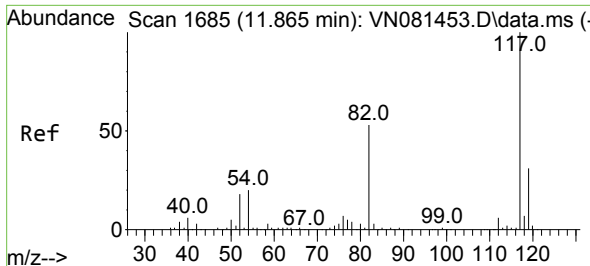
Tgt Ion: 43 Resp: 2919
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.921 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

Tgt Ion: 95 Resp: 310737
Ion Ratio Lower Upper
95 100
174 76.1 0.0 120.4
176 72.8 0.0 121.0

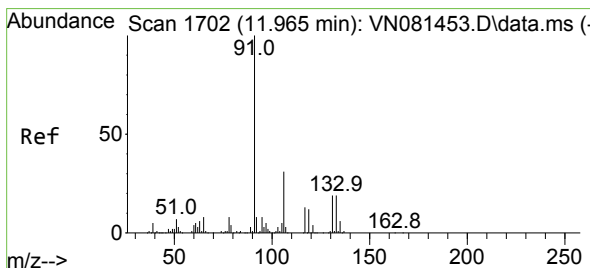
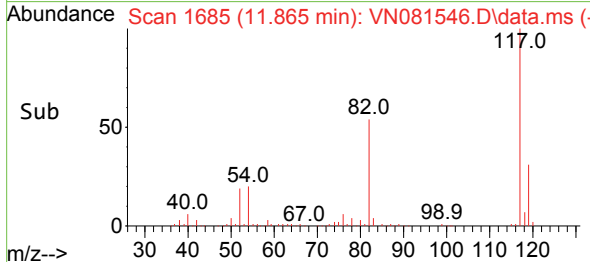
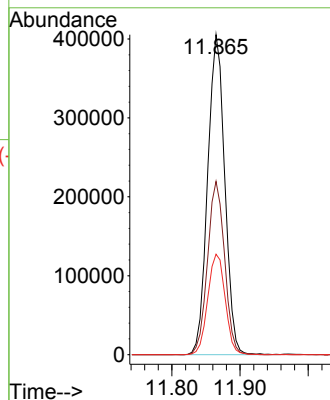
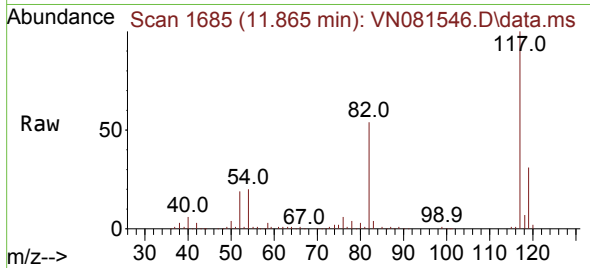




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

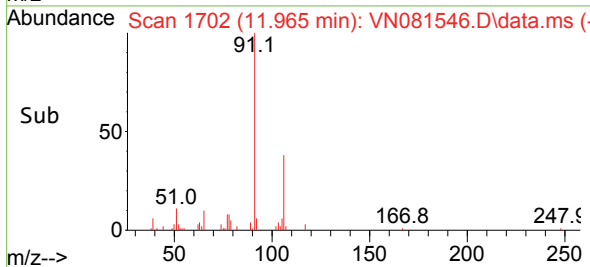
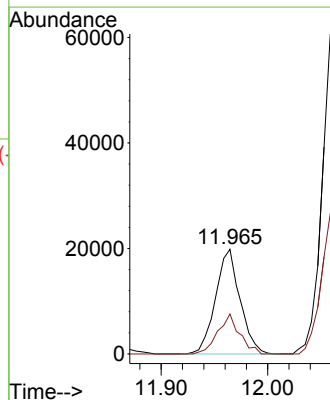
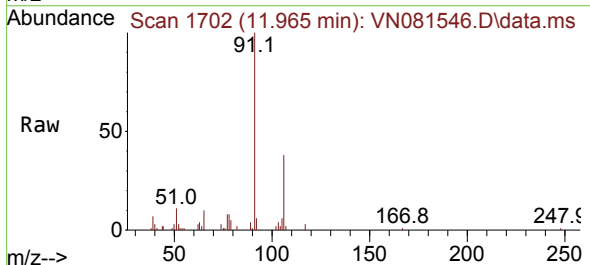
Instrument :
MSVOA_N
ClientSampleId :
S-13DL

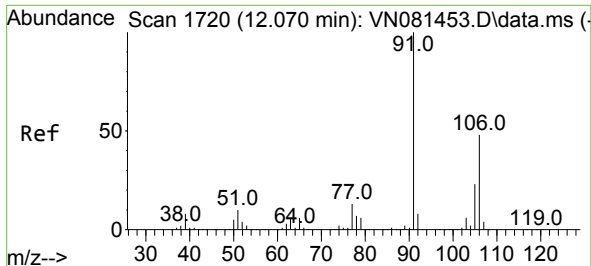
Tgt Ion:117 Resp: 707644
Ion Ratio Lower Upper
117 100
82 54.1 52.7 79.1
119 31.4 25.3 37.9



#67
Ethyl Benzene
Concen: 1.090 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

Tgt Ion: 91 Resp: 31660
Ion Ratio Lower Upper
91 100
106 38.3 23.8 35.6#

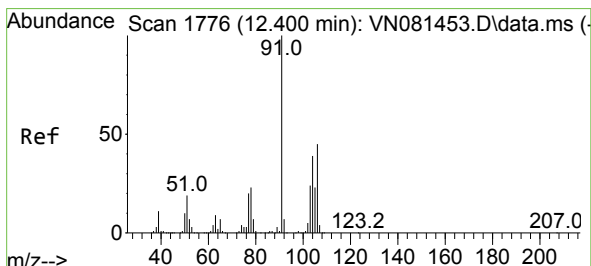
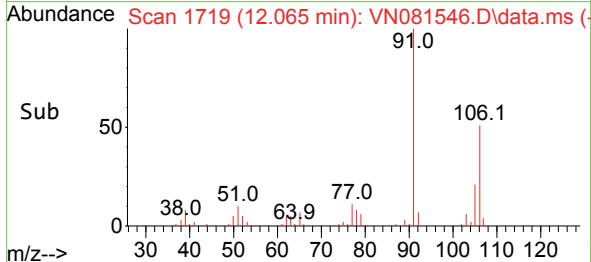
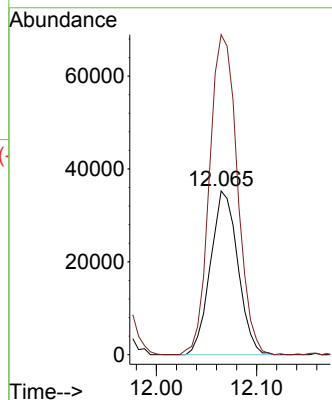
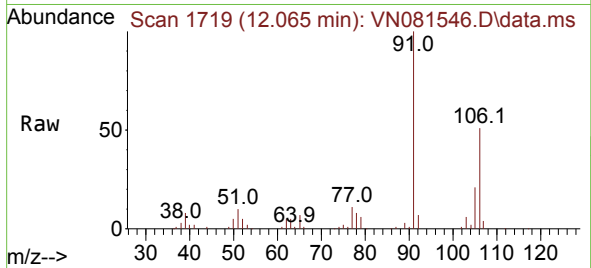




#68
m/p-Xylenes
Concen: 6.148 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

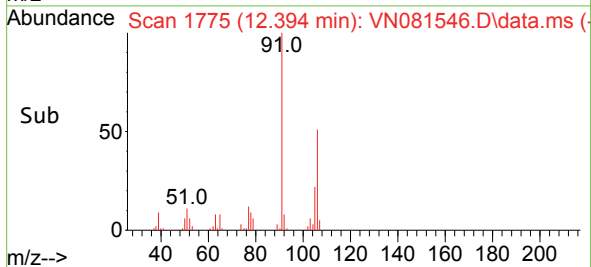
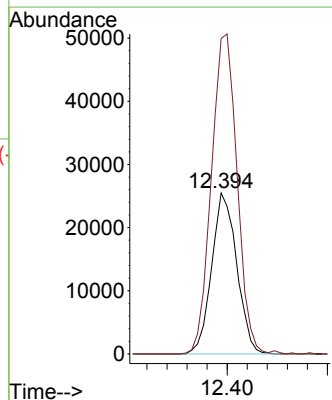
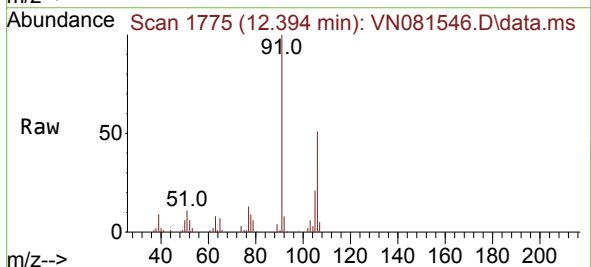
Instrument :
MSVOA_N
ClientSampleId :
S-13DL

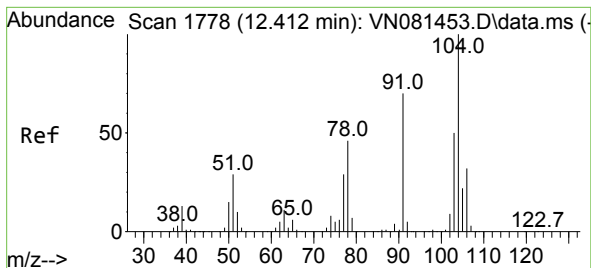
Tgt Ion:106 Resp: 66970
Ion Ratio Lower Upper
106 100
91 198.4 169.0 253.6



#69
o-Xylene
Concen: 4.131 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

Tgt Ion:106 Resp: 44175
Ion Ratio Lower Upper
106 100
91 204.4 112.1 336.3





#70

Styrene

Concen: 0.422 ug/l

RT: 12.406 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081546.D

Acq: 22 Mar 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

S-13DL

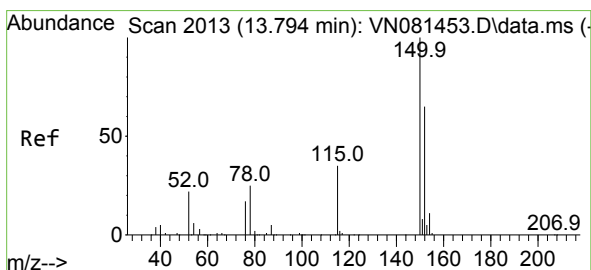
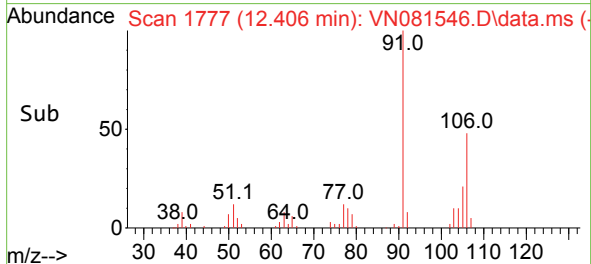
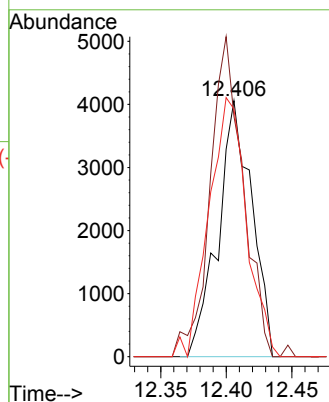
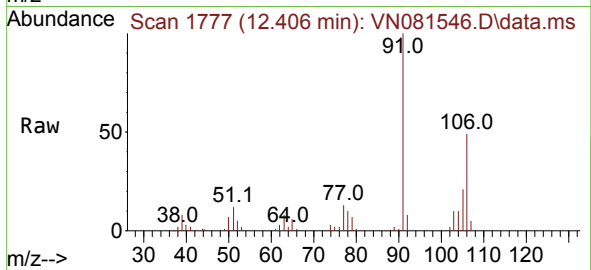
Tgt Ion:104 Resp: 7275

Ion Ratio Lower Upper

104 100

78 121.9 43.8 65.8#

103 112.6 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: VN081546.D

Acq: 22 Mar 2024 14:26

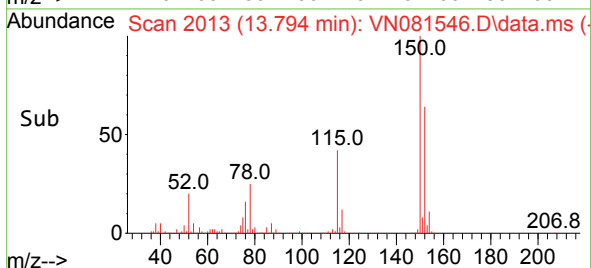
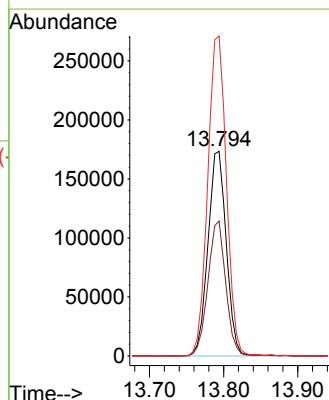
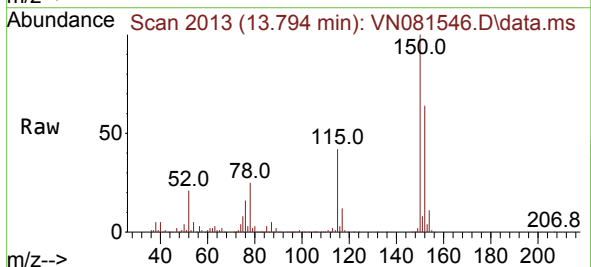
Tgt Ion:152 Resp: 297885

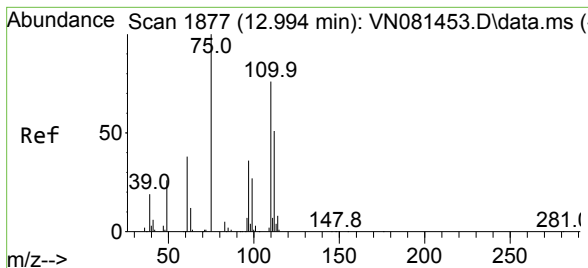
Ion Ratio Lower Upper

152 100

115 64.2 32.3 96.8

150 159.0 0.0 339.8

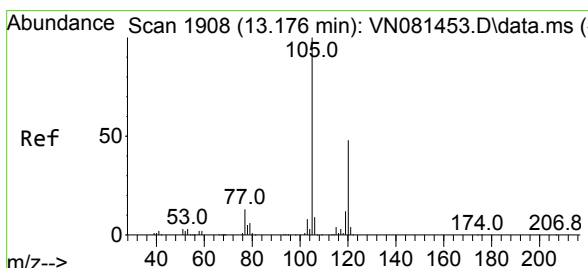
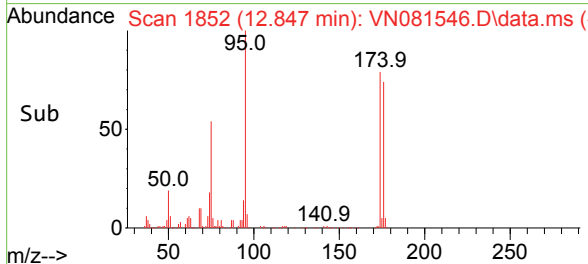
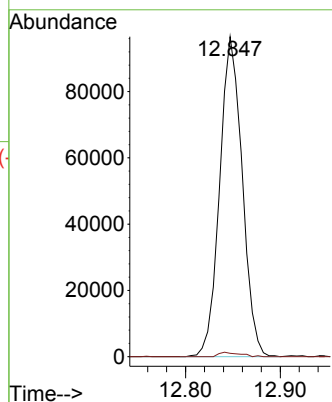
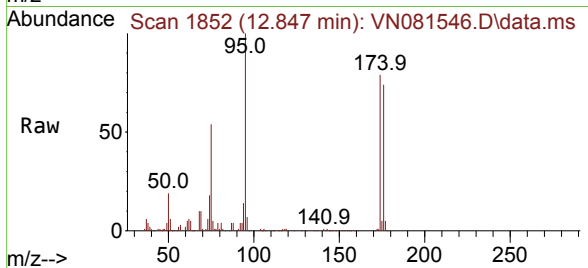




#76
1,2,3-Trichloropropane
Concen: 22.439 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

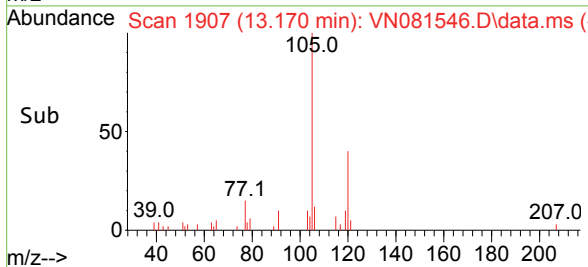
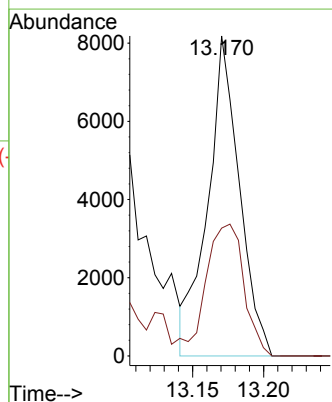
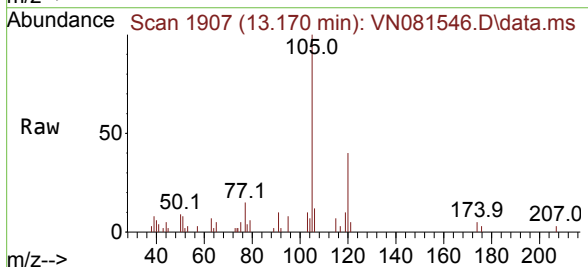
Instrument :
MSVOA_N
ClientSampleId :
S-13DL

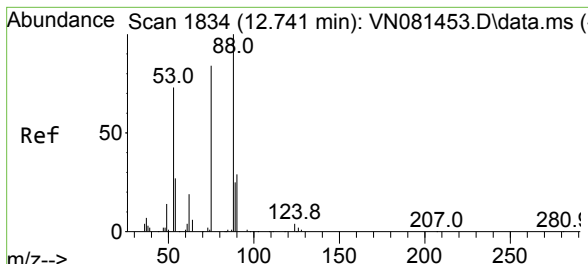
Tgt Ion: 75 Resp: 159890
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.603 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

Tgt Ion: 105 Resp: 12649
Ion Ratio Lower Upper
105 100
120 47.8 23.0 69.0

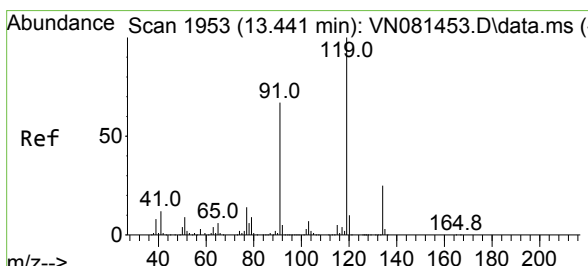
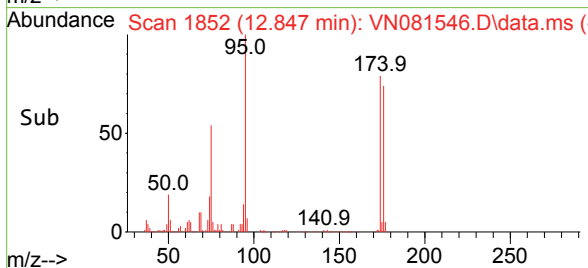
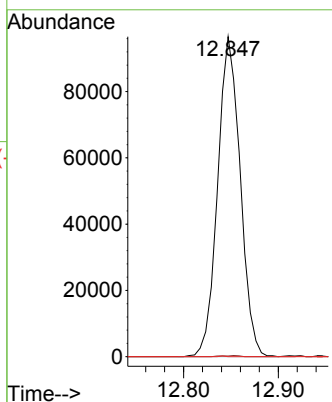
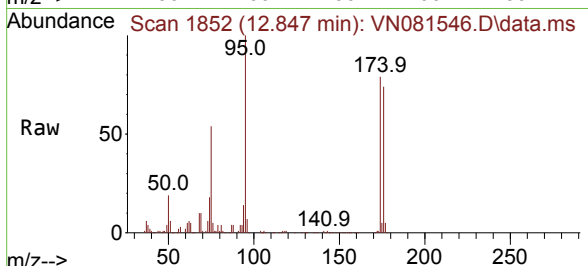




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.637 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081546.D
 Acq: 22 Mar 2024 14:26

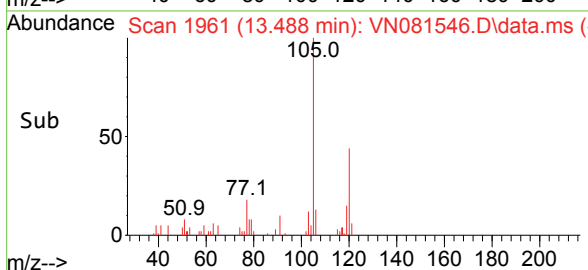
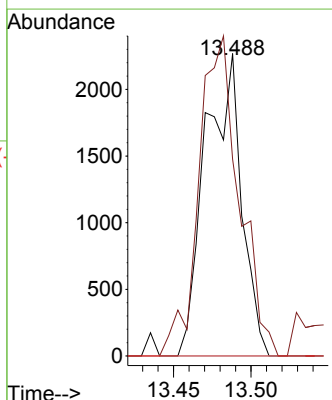
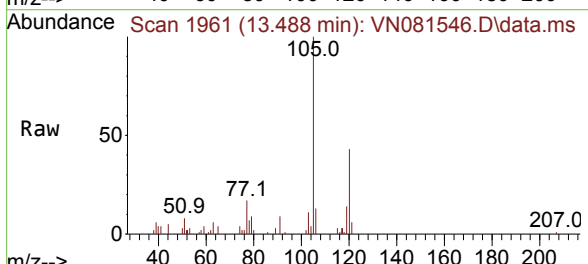
Instrument :
 MSVOA_N
 ClientSampleId :
 S-13DL

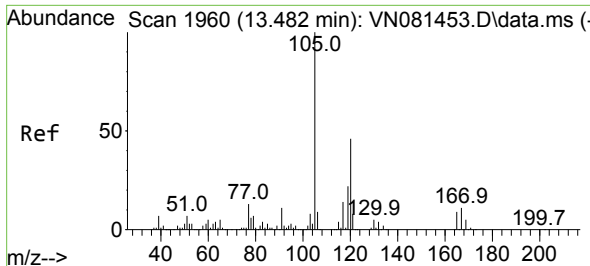
Tgt Ion:	75	Resp:	159890
Ion Ratio	Lower	Upper	
75	100		
53	0.3	71.4	107.2#
89	0.0	33.4	50.0#



#83
 tert-Butylbenzene
 Concen: 0.204 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.047 min
 Lab File: VN081546.D
 Acq: 22 Mar 2024 14:26

Tgt Ion:	119	Resp:	3684
Ion Ratio	Lower	Upper	
119	100		
91	117.6	36.8	110.4#
134	0.0	12.4	37.4#

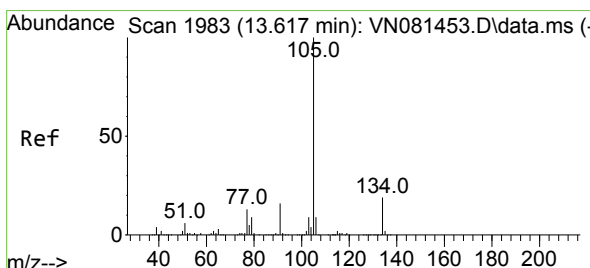
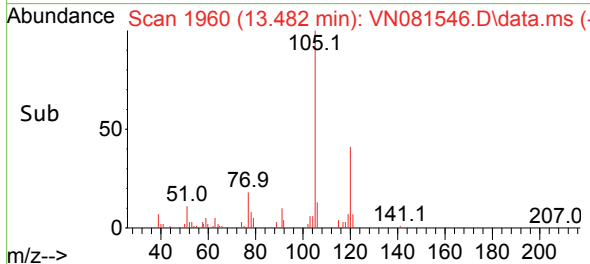
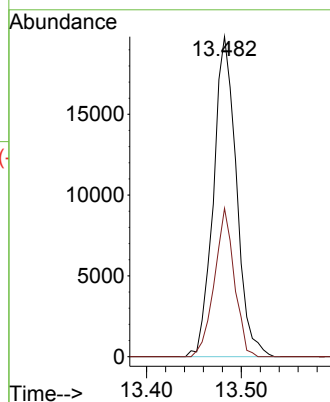
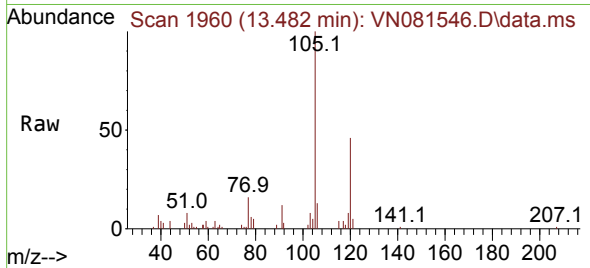




#84
1,2,4-Trimethylbenzene
Concen: 1.581 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

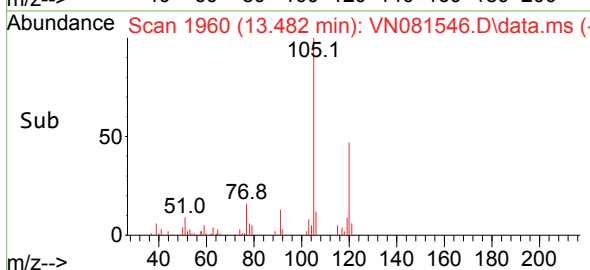
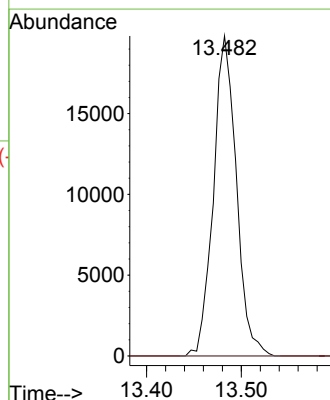
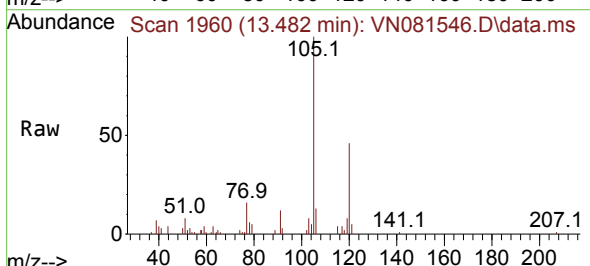
Instrument :
MSVOA_N
ClientSampleId :
S-13DL

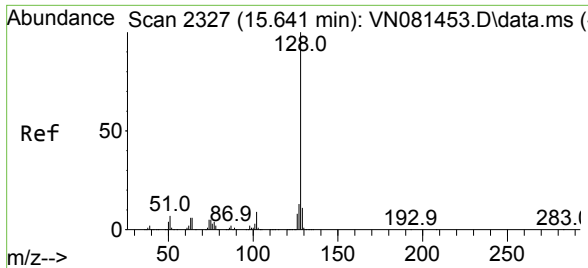
Tgt Ion:105 Resp: 33326
Ion Ratio Lower Upper
105 100
120 40.3 20.9 62.7



#85
sec-Butylbenzene
Concen: 1.289 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.135 min
Lab File: VN081546.D
Acq: 22 Mar 2024 14:26

Tgt Ion:105 Resp: 33326
Ion Ratio Lower Upper
105 100
134 0.0 8.6 25.8#





#95

Naphthalene

Concen: 24.698 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN081546.D

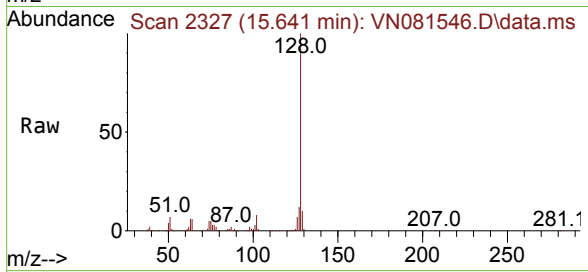
Acq: 22 Mar 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

S-13DL



Tgt Ion:128 Resp: 513290

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 10.5 8.7 13.1

