

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082279.D
 Acq On : 22 May 2024 07:33
 Operator : JC\MD
 Sample : P2494-20 40X
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 19

Quant Time: May 22 08:35:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

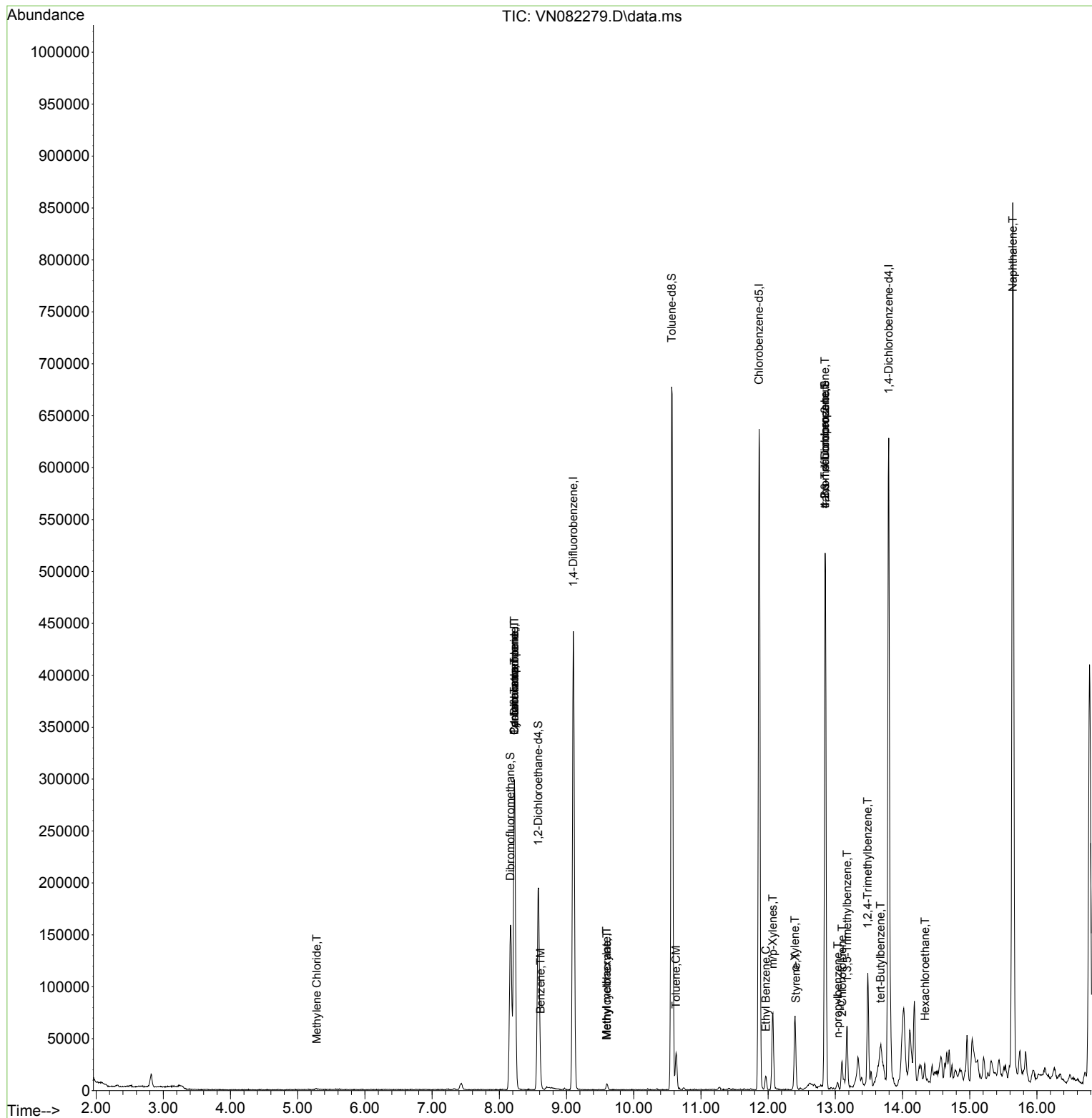
Internal Standards						
1) Pentafluorobenzene	8.224	168	201965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	352297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	335200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159523	50.022	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.040%	
35) Dibromofluoromethane	8.165	113	111641	51.515	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.020%	
50) Toluene-d8	10.565	98	447426	53.850	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.700%	
62) 4-Bromofluorobenzene	12.847	95	166028	55.985	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 111.960%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.283	84	644	0.244	ug/l #	67
31) Cyclohexane	8.224	56	6970	1.368	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	18525	5.097	ug/l #	49
38) Carbon Tetrachloride	8.224	117	23431	6.359	ug/l #	15
39) Methylcyclohexane	9.600	83	1980	0.497	ug/l	98
40) Benzene	8.612	78	7613	0.702	ug/l	99
48) Methyl methacrylate	9.594	41	1306	0.380	ug/l #	65
52) Toluene	10.630	92	14038	2.158	ug/l	94
67) Ethyl Benzene	11.965	91	8876	0.670	ug/l	99
68) m/p-Xylenes	12.071	106	20665	4.256	ug/l	89
69) o-Xylene	12.400	106	17451	3.711	ug/l	86
70) Styrene	12.412	104	4332	0.555	ug/l #	32
76) 1,2,3-Trichloropropane	12.847	75	99785	30.635	ug/l #	1
78) n-propylbenzene	13.035	91	4488	0.308	ug/l	96
79) 2-Chlorotoluene	13.100	91	3600	0.394	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.176	105	28369	2.854	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	99785	71.654	ug/l #	12
83) tert-Butylbenzene	13.671	119	2833	0.326	ug/l	80
84) 1,2,4-Trimethylbenzene	13.482	105	57480	5.652	ug/l	99
90) Hexachloroethane	14.335	117	1364	0.751	ug/l #	17
95) Naphthalene	15.641	128	751222	85.113	ug/l	99

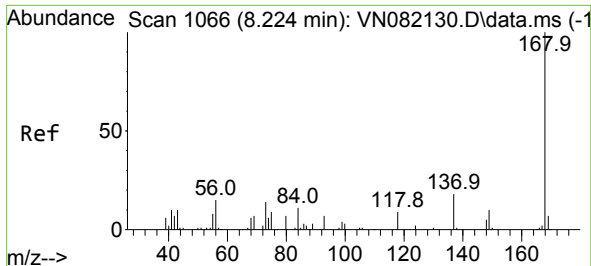
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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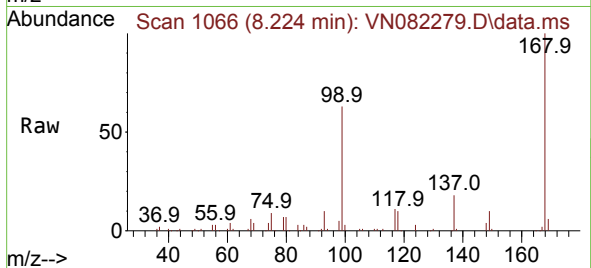
Quant Time: May 22 08:35:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



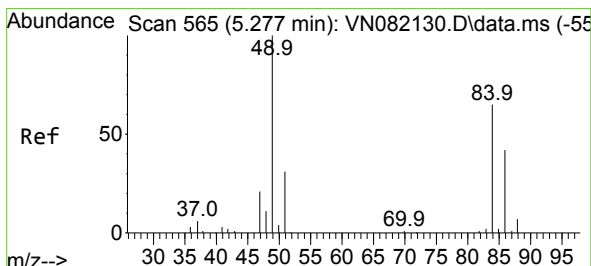
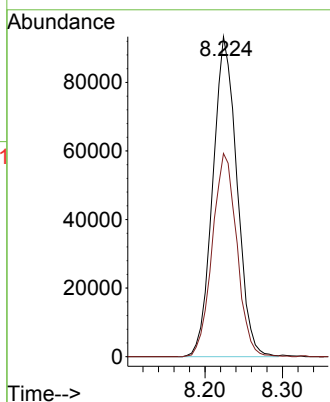
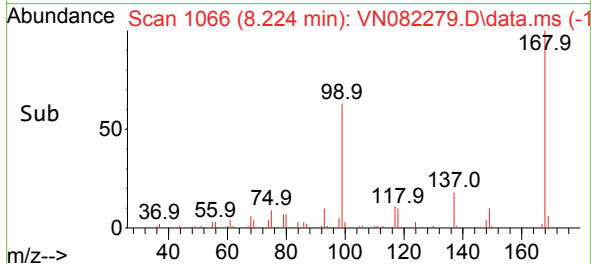


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

Instrument :
MSVOA_N
ClientSampleId :
19

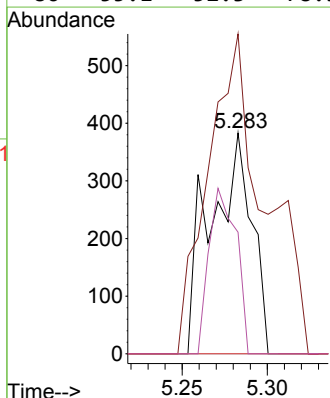
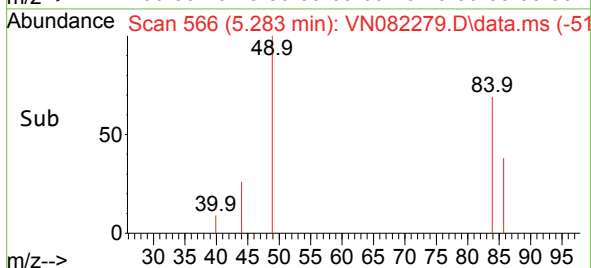
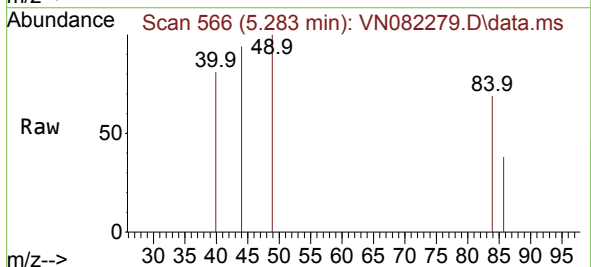


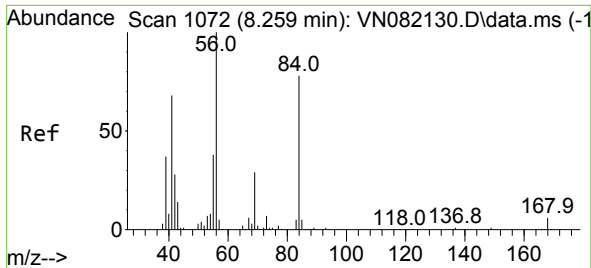
Tgt Ion:168 Resp: 201965
Ion Ratio Lower Upper
168 100
99 63.5 48.2 72.4



#20
Methylene Chloride
Concen: 0.244 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

Tgt Ion: 84 Resp: 644
Ion Ratio Lower Upper
84 100
49 144.9 84.9 127.3#
51 0.0 27.0 40.6#
86 55.1 52.3 78.5

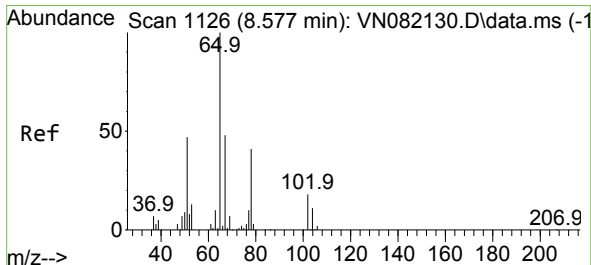
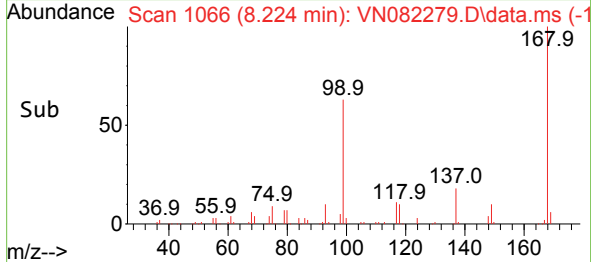
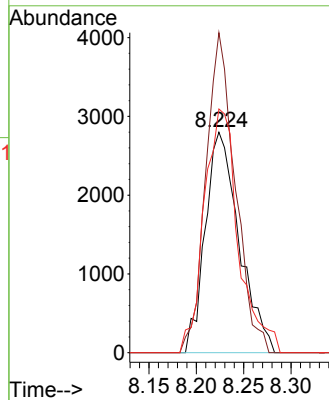
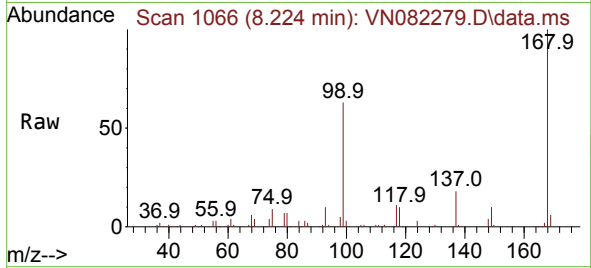




#31
Cyclohexane
Concen: 1.368 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

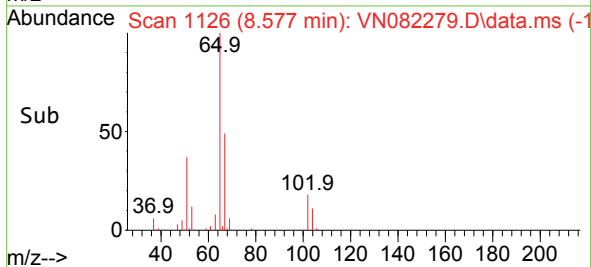
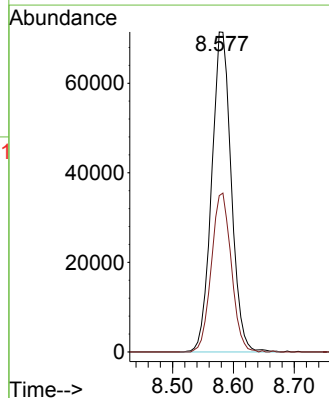
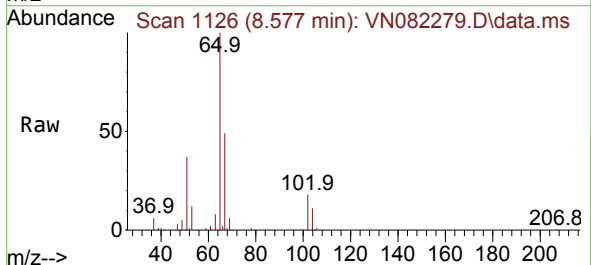
Instrument :
MSVOA_N
ClientSampleId :
19

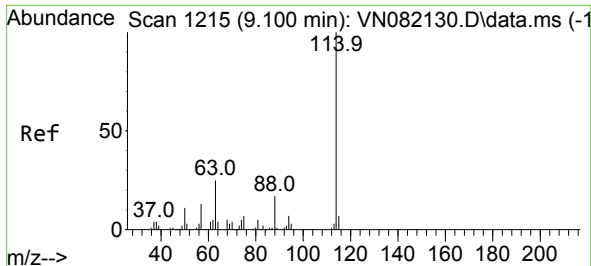
Tgt Ion: 56 Resp: 6970
Ion Ratio Lower Upper
56 100
69 145.1 24.4 36.6#
84 110.5 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 50.022 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

Tgt Ion: 65 Resp: 159523
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0

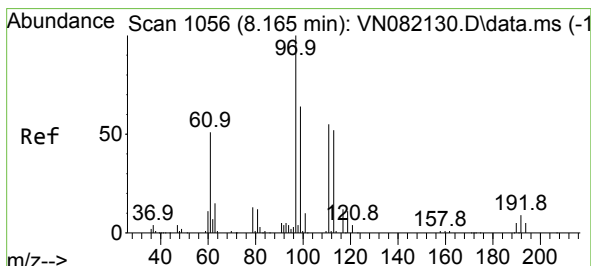
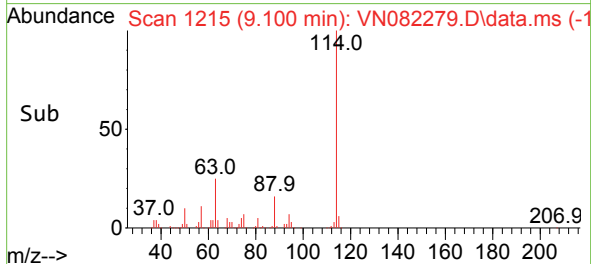
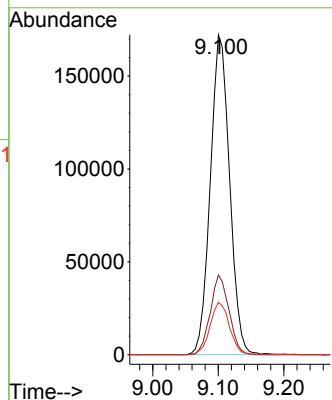
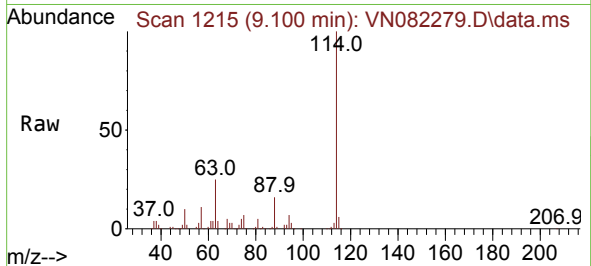




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

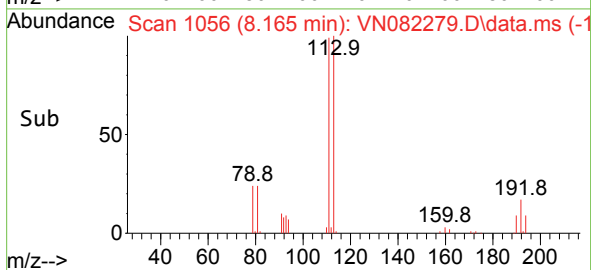
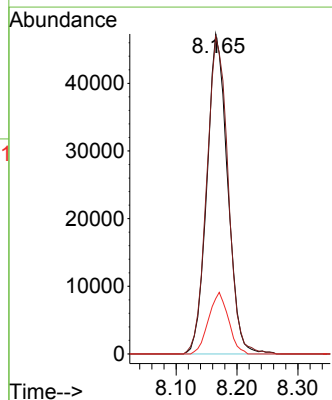
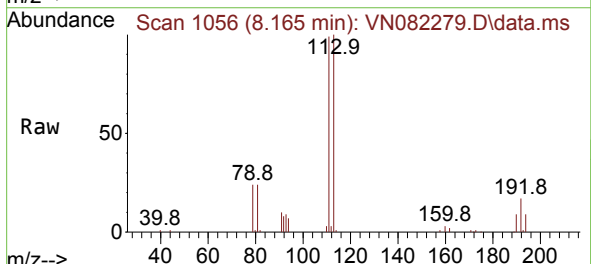
Instrument :
MSVOA_N
ClientSampleId :
19

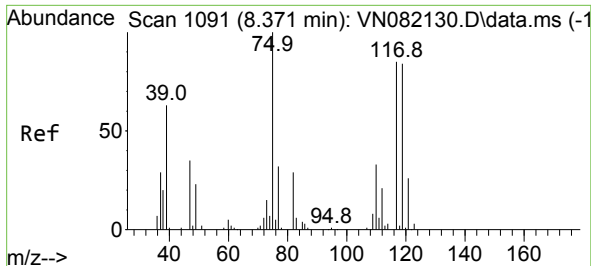
Tgt Ion:114 Resp: 352297
Ion Ratio Lower Upper
114 100
63 24.9 0.0 41.0
88 16.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.515 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

Tgt Ion:113 Resp: 111641
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.2
192 18.5 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.097 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082279.D

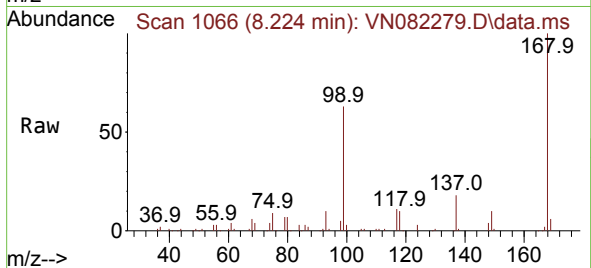
Acq: 22 May 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

19



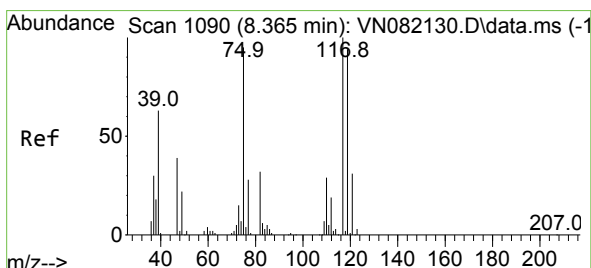
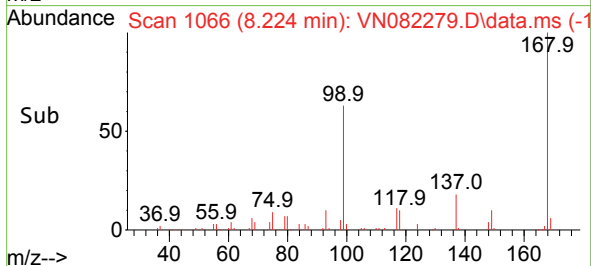
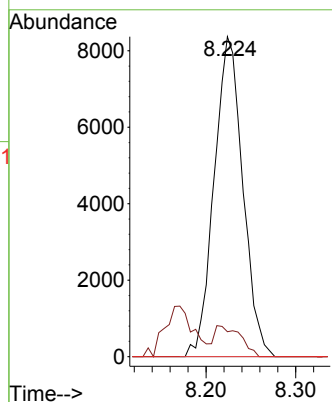
Tgt Ion: 75 Resp: 18525

Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.359 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082279.D

Acq: 22 May 2024 07:33

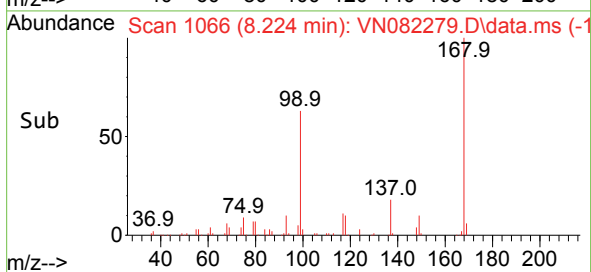
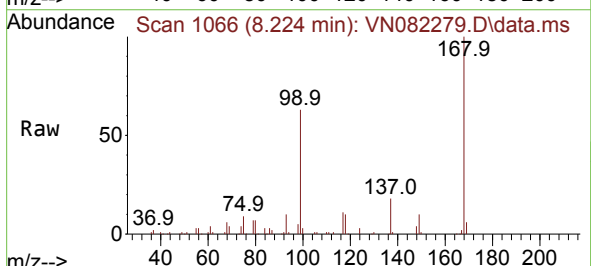
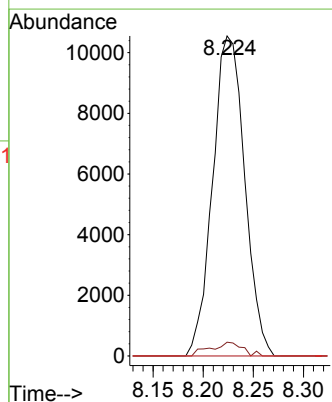
Tgt Ion: 117 Resp: 23431

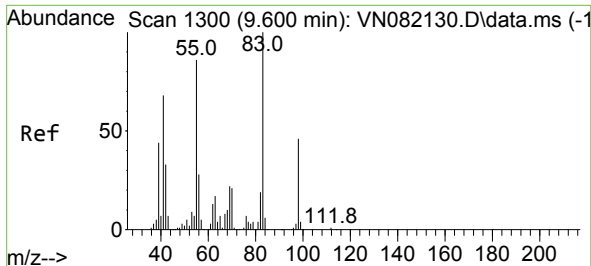
Ion Ratio Lower Upper

117 100

119 4.3 76.5 114.7#

121 0.0 23.9 35.9#

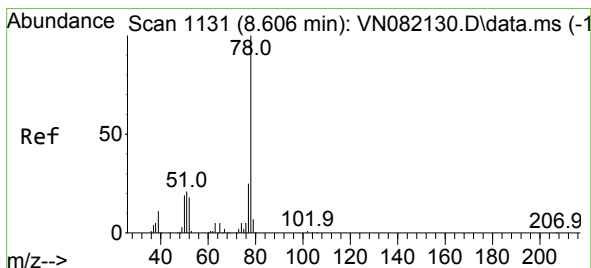
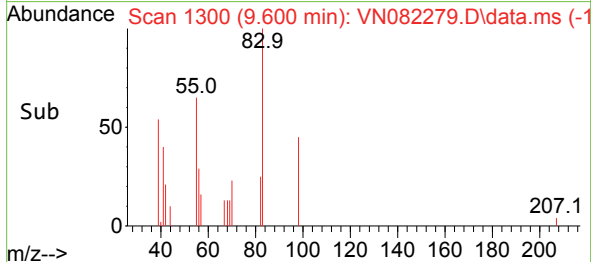
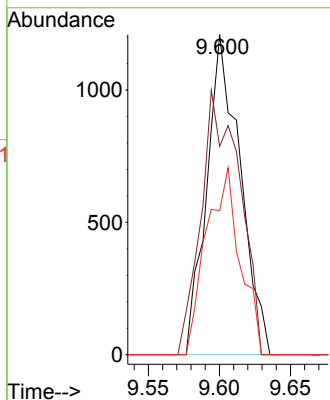
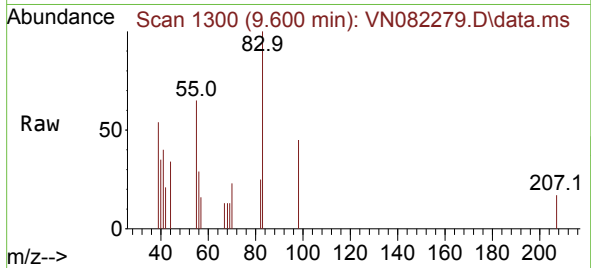




#39
Methylcyclohexane
Concen: 0.497 ug/l
RT: 9.600 min Scan# 1119
Delta R.T. 0.000 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

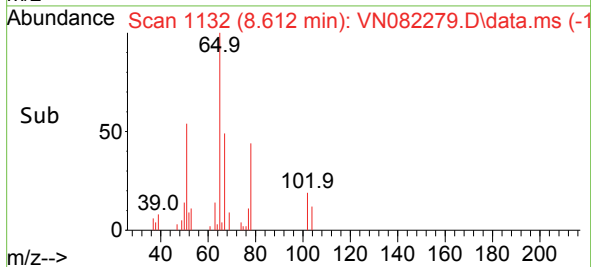
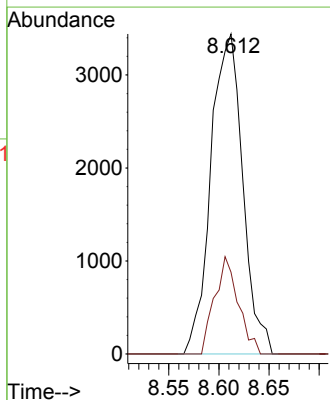
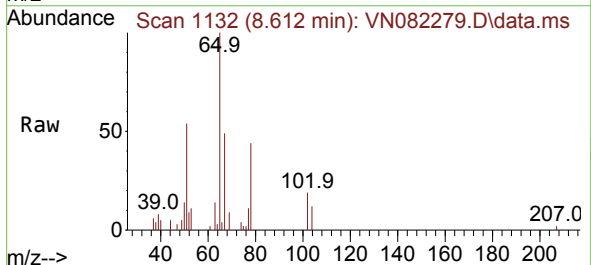
Instrument :
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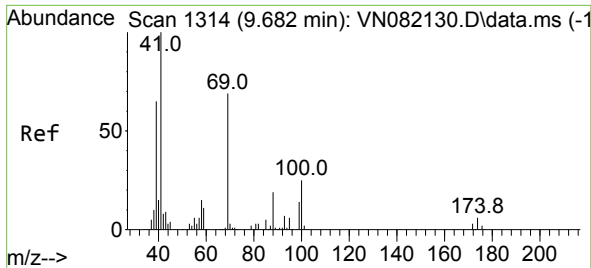
Tgt Ion	Ratio	Lower	Upper
83	100		
55	65.1	53.0	79.6
98	45.1	37.1	55.7



#40
Benzene
Concen: 0.702 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	20.0	30.0

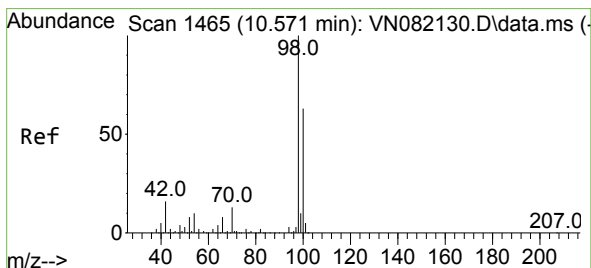
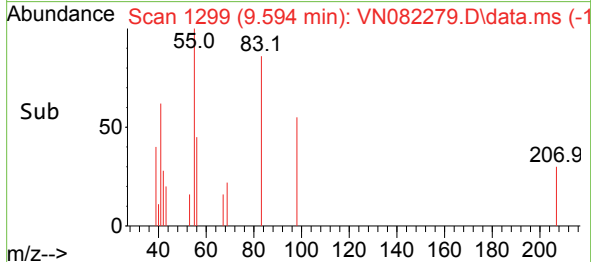
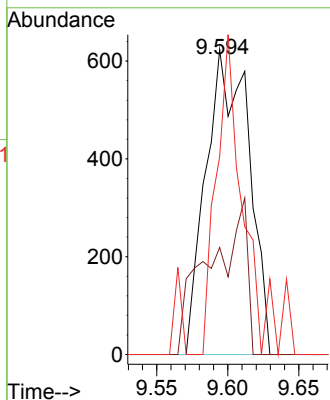
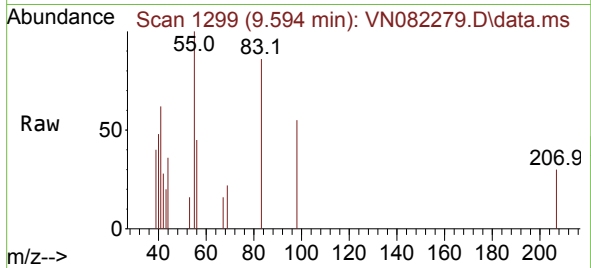




#48
Methyl methacrylate
Concen: 0.380 ug/l
RT: 9.594 min Scan# 119
Delta R.T. -0.088 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

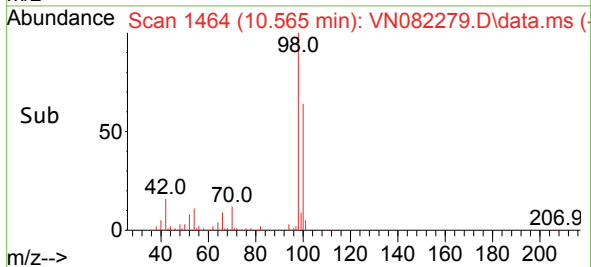
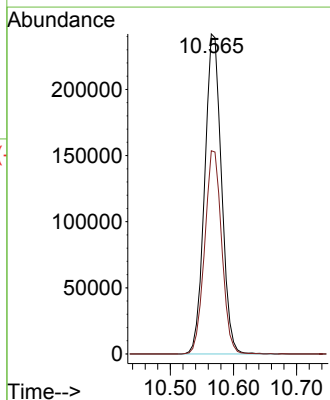
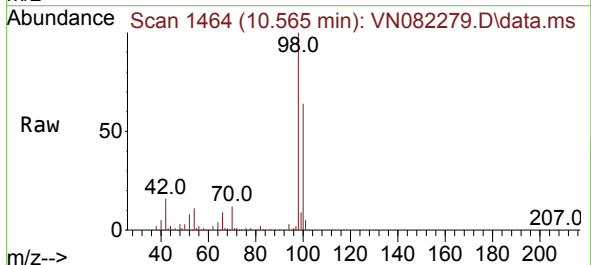
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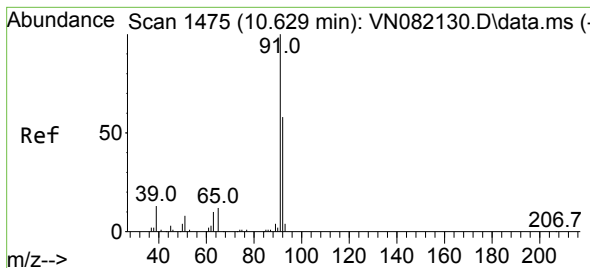
Tgt Ion: 41 Resp: 1306
Ion Ratio Lower Upper
41 100
69 44.6 77.9 116.9#
39 68.8 50.9 76.3



#50
Toluene-d8
Concen: 53.850 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

Tgt Ion: 98 Resp: 447426
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6





#52

Toluene

Concen: 2.158 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN082279.D

Acq: 22 May 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

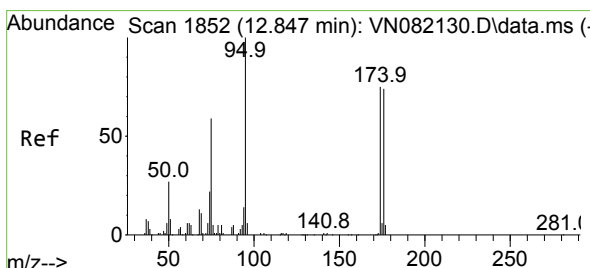
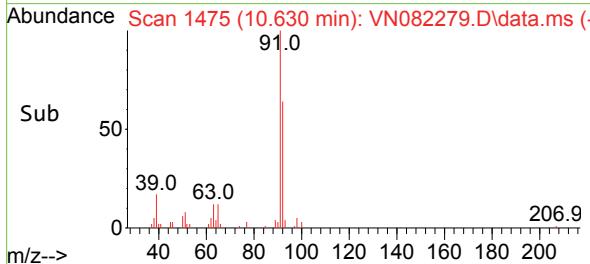
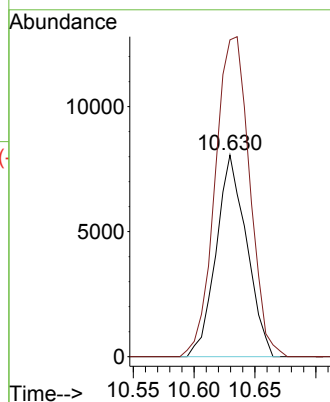
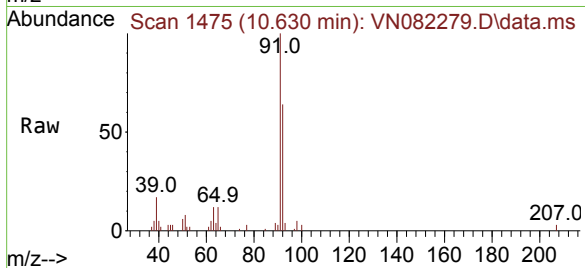
19

Tgt Ion: 92 Resp: 14038

Ion Ratio Lower Upper

92 100

91 179.5 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 55.985 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN082279.D

Acq: 22 May 2024 07:33

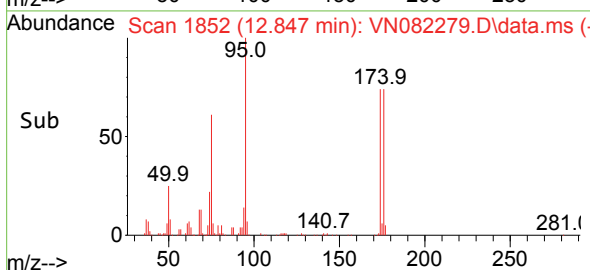
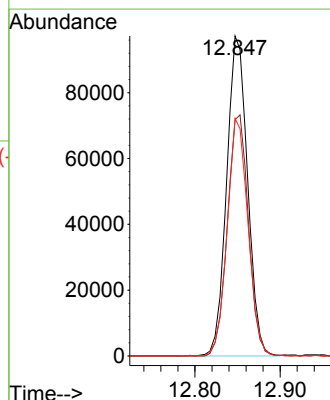
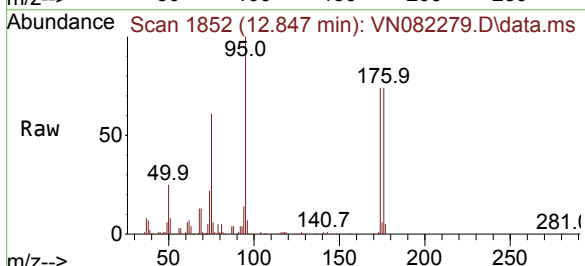
Tgt Ion: 95 Resp: 166028

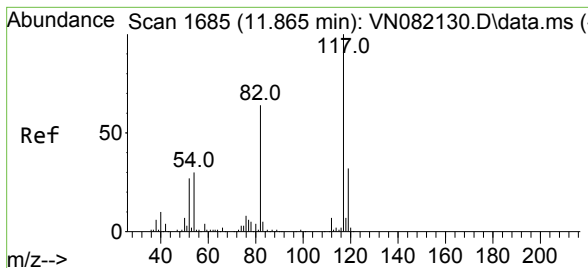
Ion Ratio Lower Upper

95 100

174 75.9 0.0 160.6

176 73.6 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082279.D

Acq: 22 May 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

19

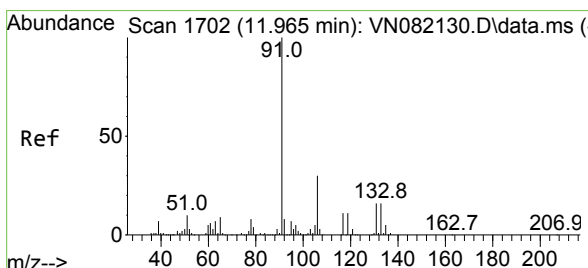
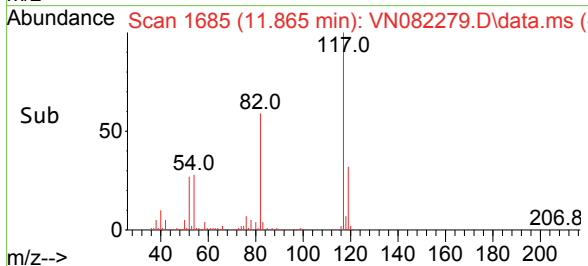
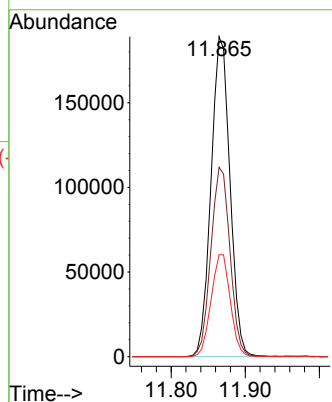
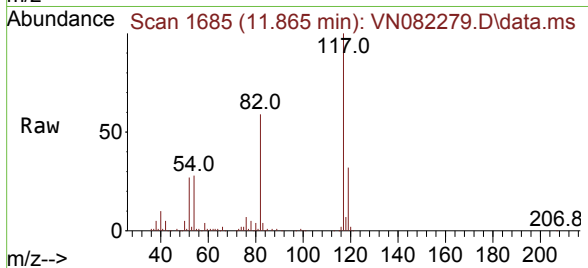
Tgt Ion:117 Resp: 335200

Ion Ratio Lower Upper

117 100

82 59.1 44.6 66.8

119 31.9 25.9 38.9



#67

Ethyl Benzene

Concen: 0.670 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN082279.D

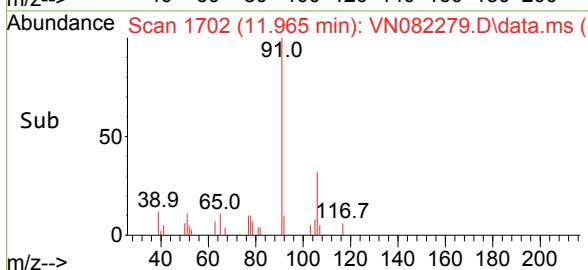
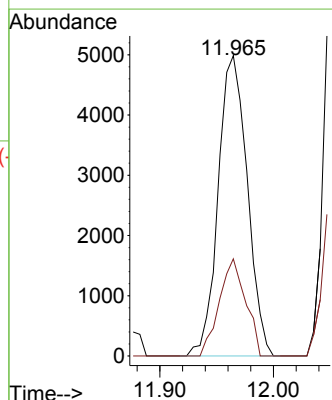
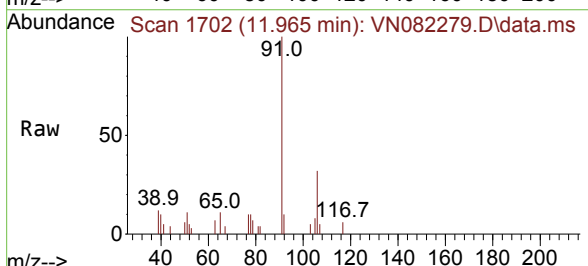
Acq: 22 May 2024 07:33

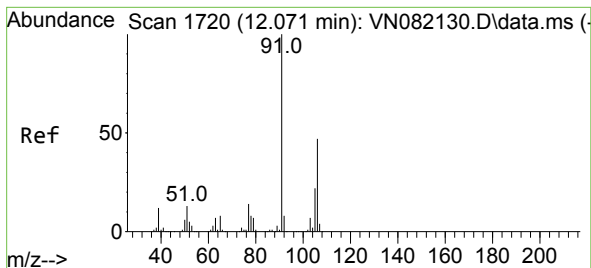
Tgt Ion: 91 Resp: 8876

Ion Ratio Lower Upper

91 100

106 32.3 25.3 37.9

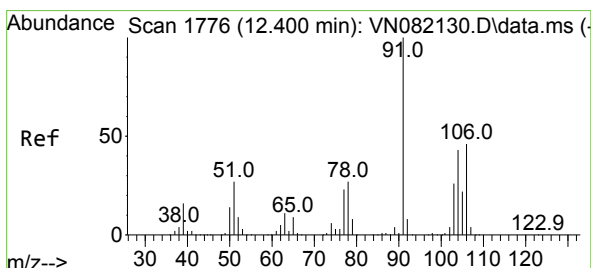
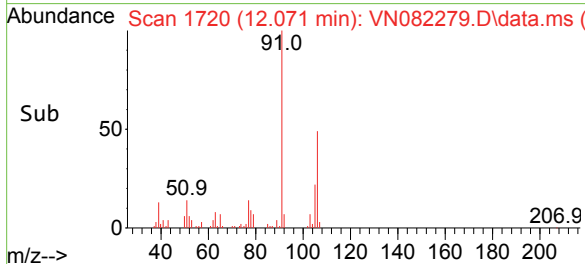
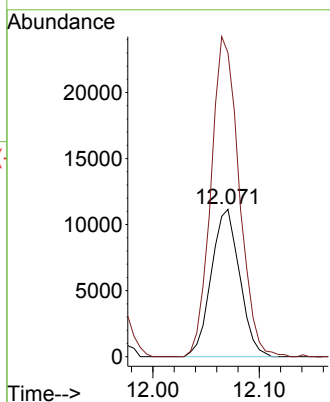
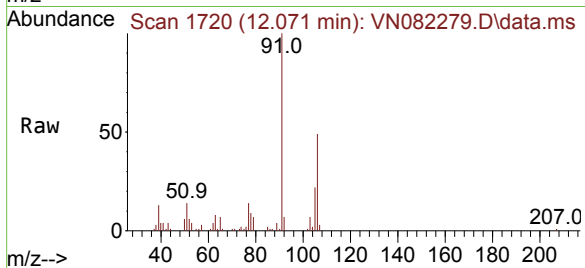




#68
m/p-Xylenes
Concen: 4.256 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

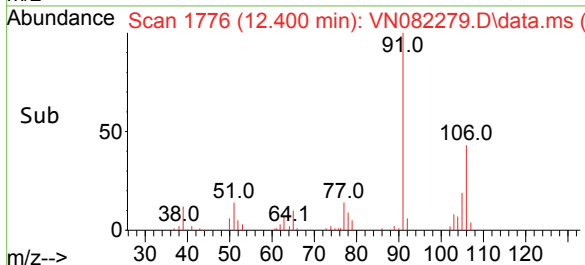
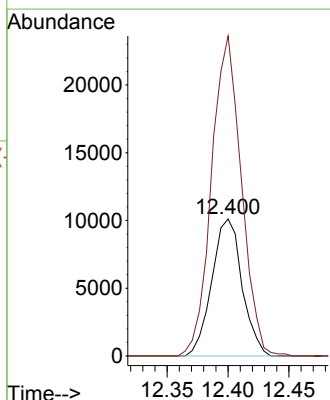
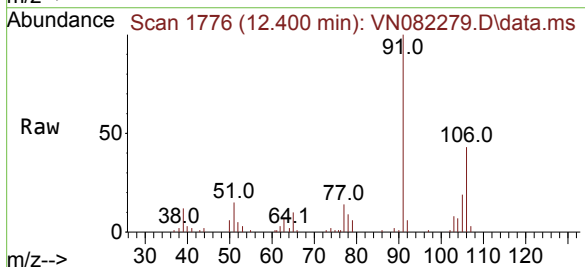
Instrument :
MSVOA_N
ClientSampleId :
19

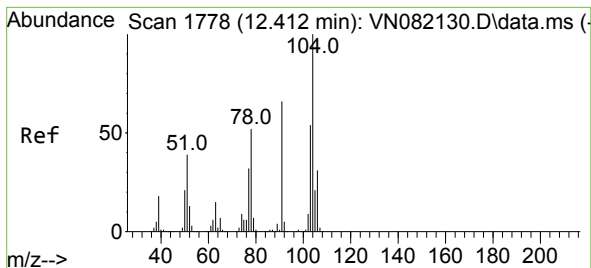
Tgt Ion:106 Resp: 20665
Ion Ratio Lower Upper
106 100
91 215.1 159.4 239.0



#69
o-Xylene
Concen: 3.711 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

Tgt Ion:106 Resp: 17451
Ion Ratio Lower Upper
106 100
91 230.8 104.7 314.1





#70

Styrene

Concen: 0.555 ug/l

RT: 12.412 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN082279.D

Acq: 22 May 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

19

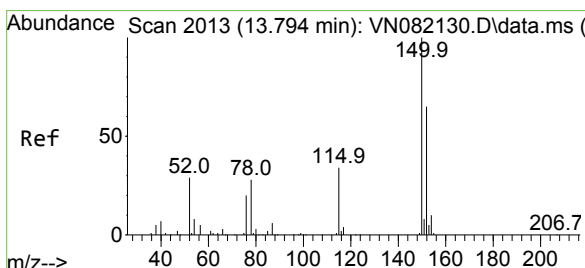
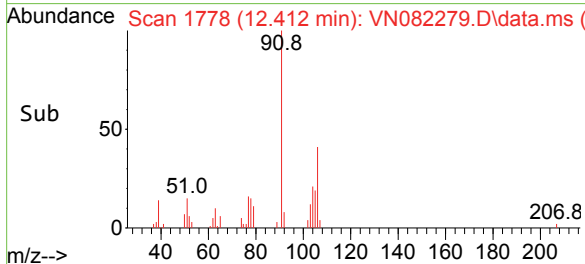
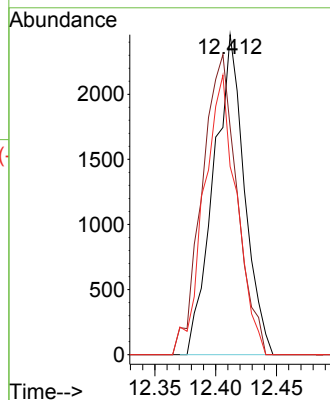
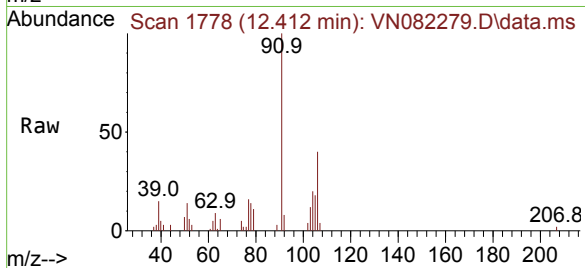
Tgt Ion:104 Resp: 4332

Ion Ratio Lower Upper

104 100

78 106.1 38.6 58.0#

103 93.0 43.8 65.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082279.D

Acq: 22 May 2024 07:33

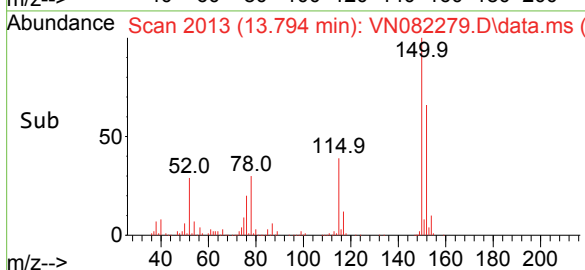
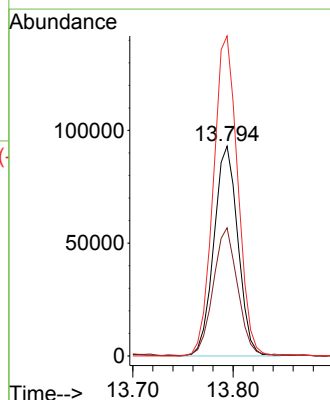
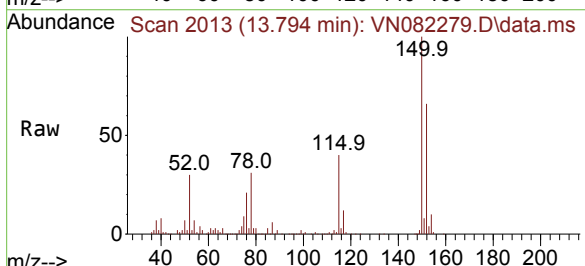
Tgt Ion:152 Resp: 154754

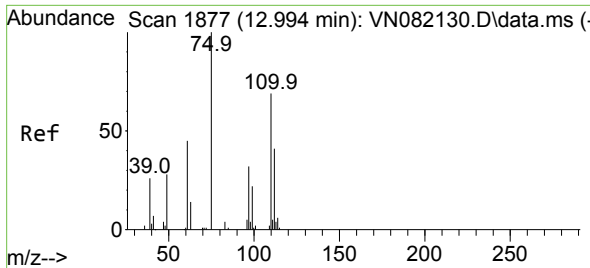
Ion Ratio Lower Upper

152 100

115 63.1 30.4 91.3

150 155.3 0.0 353.2

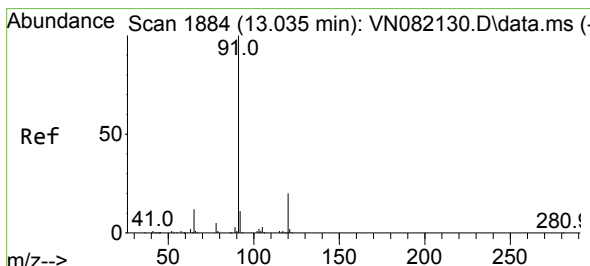
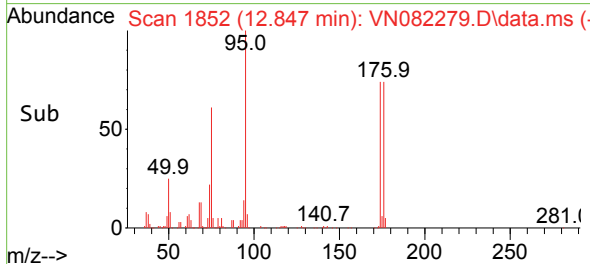
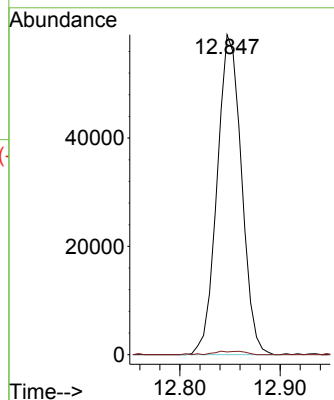
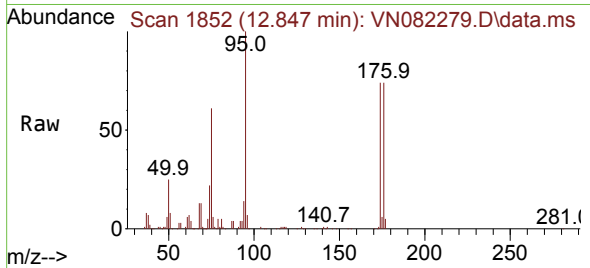




#76
1,2,3-Trichloropropane
Concen: 30.635 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

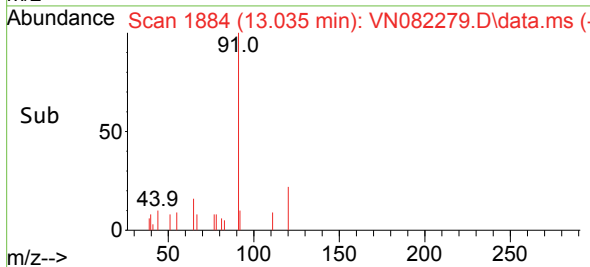
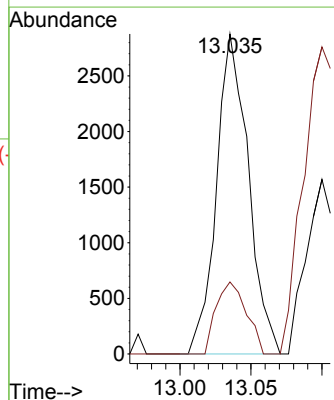
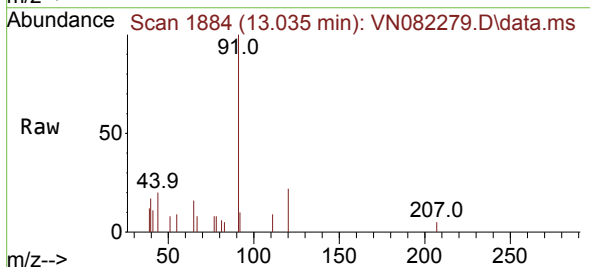
Instrument :
MSVOA_N
ClientSampleId :
19

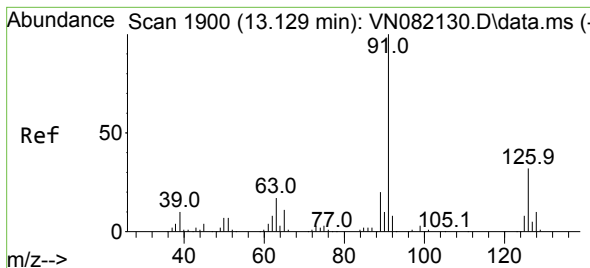
Tgt Ion: 75 Resp: 99785
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#



#78
n-propylbenzene
Concen: 0.308 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

Tgt Ion: 91 Resp: 4488
Ion Ratio Lower Upper
91 100
120 21.3 11.7 35.0





#79

2-Chlorotoluene

Concen: 0.394 ug/l

RT: 13.100 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN082279.D

Acq: 22 May 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

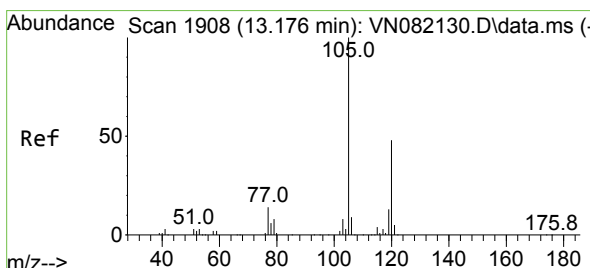
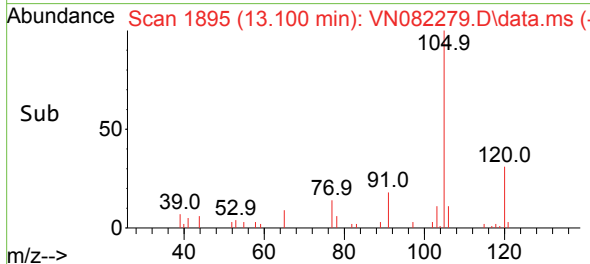
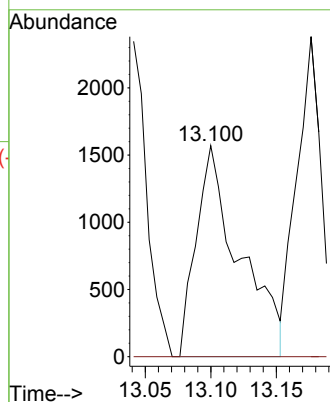
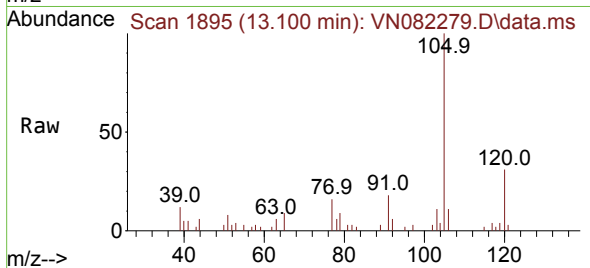
19

Tgt Ion: 91 Resp: 3600

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#



#80

1,3,5-Trimethylbenzene

Concen: 2.854 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN082279.D

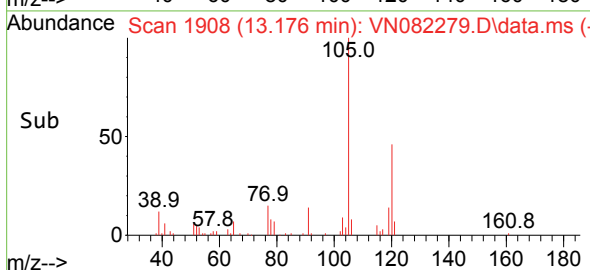
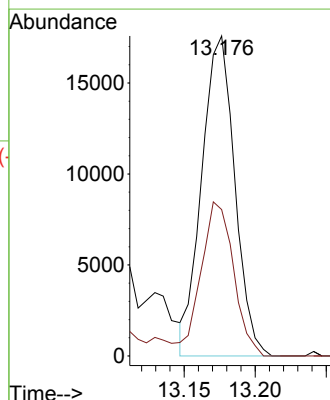
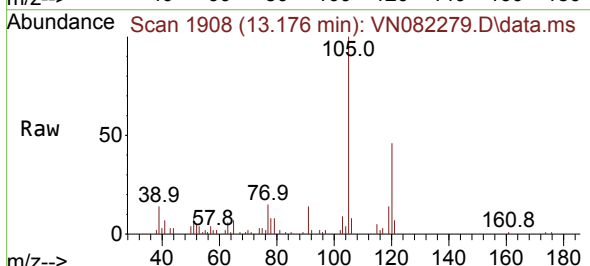
Acq: 22 May 2024 07:33

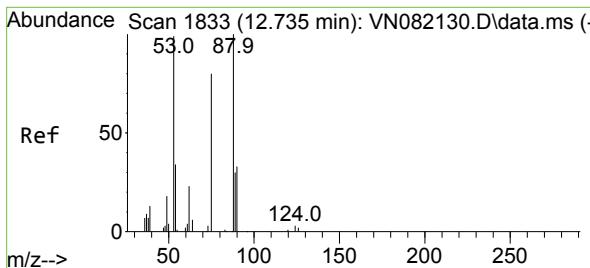
Tgt Ion:105 Resp: 28369

Ion Ratio Lower Upper

105 100

120 48.0 24.8 74.3

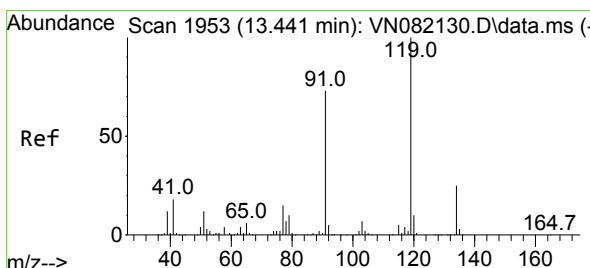
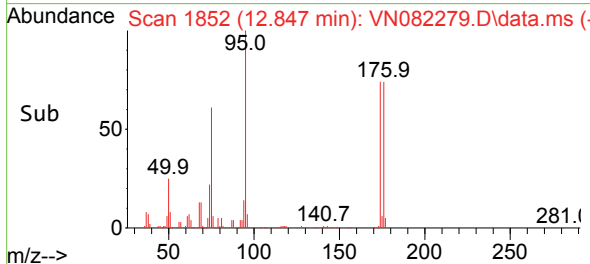
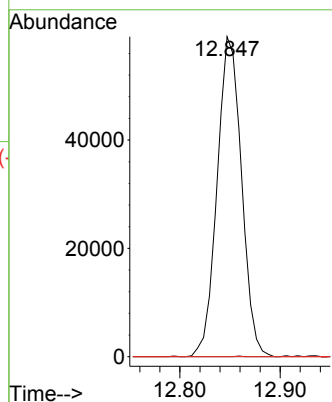
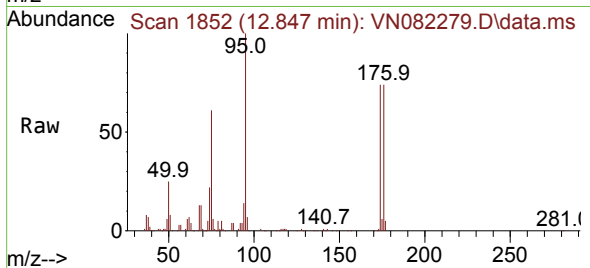




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.654 ug/l
 RT: 12.847 min Scan# 119
 Delta R.T. 0.112 min
 Lab File: VN082279.D
 Acq: 22 May 2024 07:33

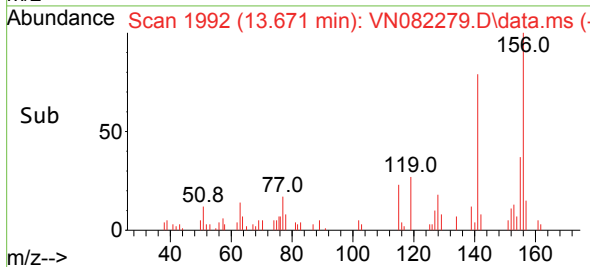
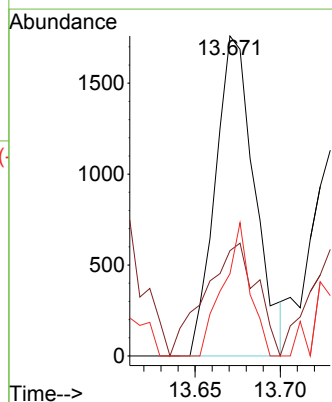
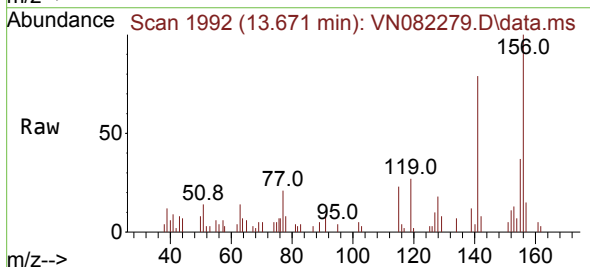
Instrument :
 MSVOA_N
 ClientSampleId :
 19

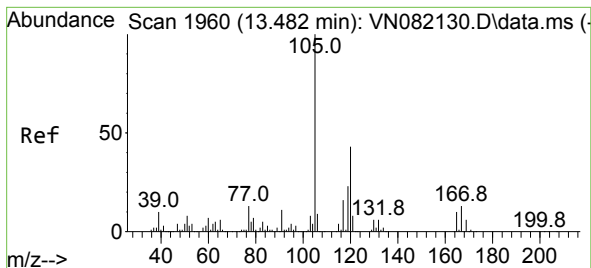
Tgt Ion: 75 Resp: 99785
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.0 39.1 58.7#



#83
 tert-Butylbenzene
 Concen: 0.326 ug/l
 RT: 13.671 min Scan# 1992
 Delta R.T. 0.229 min
 Lab File: VN082279.D
 Acq: 22 May 2024 07:33

Tgt Ion: 119 Resp: 2833
 Ion Ratio Lower Upper
 119 100
 91 46.0 32.6 97.8
 134 28.8 12.4 37.0





#84

1,2,4-Trimethylbenzene

Concen: 5.652 ug/l

RT: 13.482 min Scan# 19

Delta R.T. 0.000 min

Lab File: VN082279.D

Acq: 22 May 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

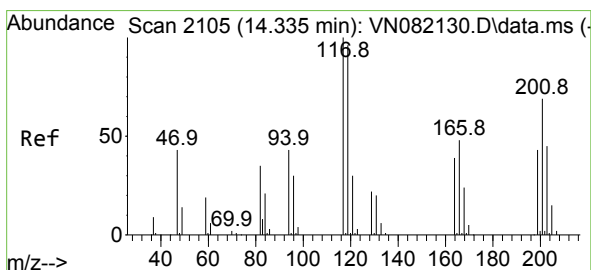
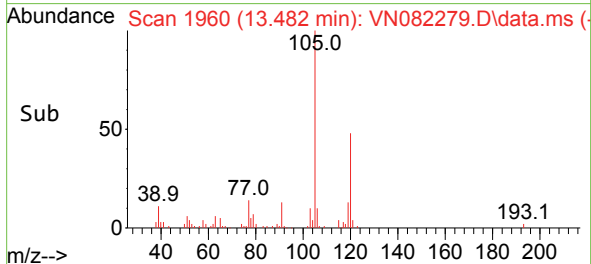
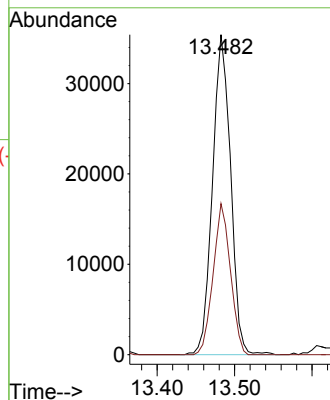
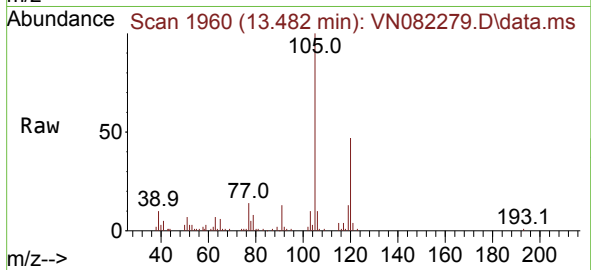
19

Tgt Ion:105 Resp: 57480

Ion Ratio Lower Upper

105 100

120 45.2 22.9 68.7



#90

Hexachloroethane

Concen: 0.751 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN082279.D

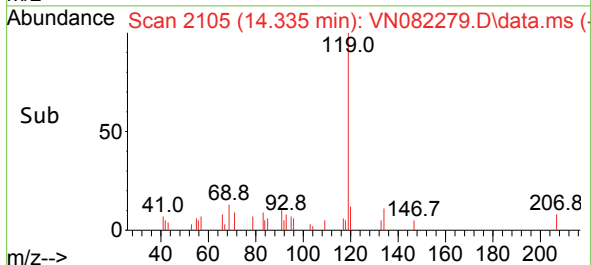
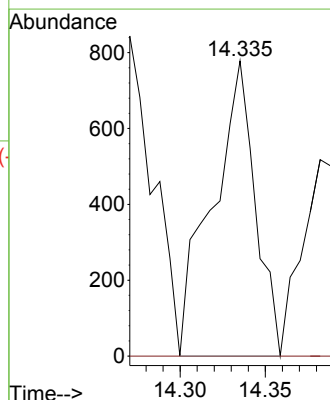
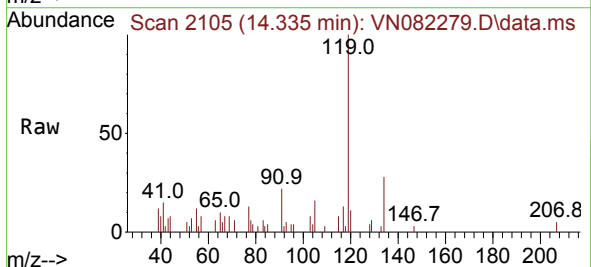
Acq: 22 May 2024 07:33

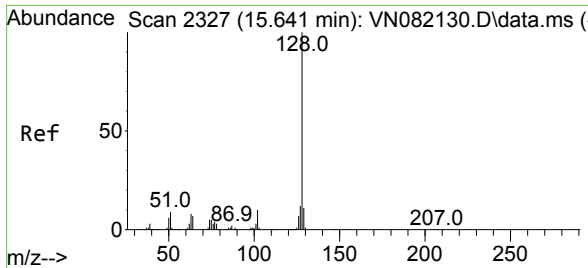
Tgt Ion:117 Resp: 1364

Ion Ratio Lower Upper

117 100

201 0.0 33.3 99.8#





#95
Naphthalene
Concen: 85.113 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN082279.D
Acq: 22 May 2024 07:33

Instrument :
MSVOA_N
ClientSampleId :
19

Tgt Ion:128	Resp:	751222
Ion	Ratio	Lower Upper
128	100	
127	13.2	10.1 15.1
129	11.0	8.9 13.3

