

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082278.D
 Acq On : 22 May 2024 07:09
 Operator : JC\MD
 Sample : P2494-18 40X
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18

Quant Time: May 22 07:43:27 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)

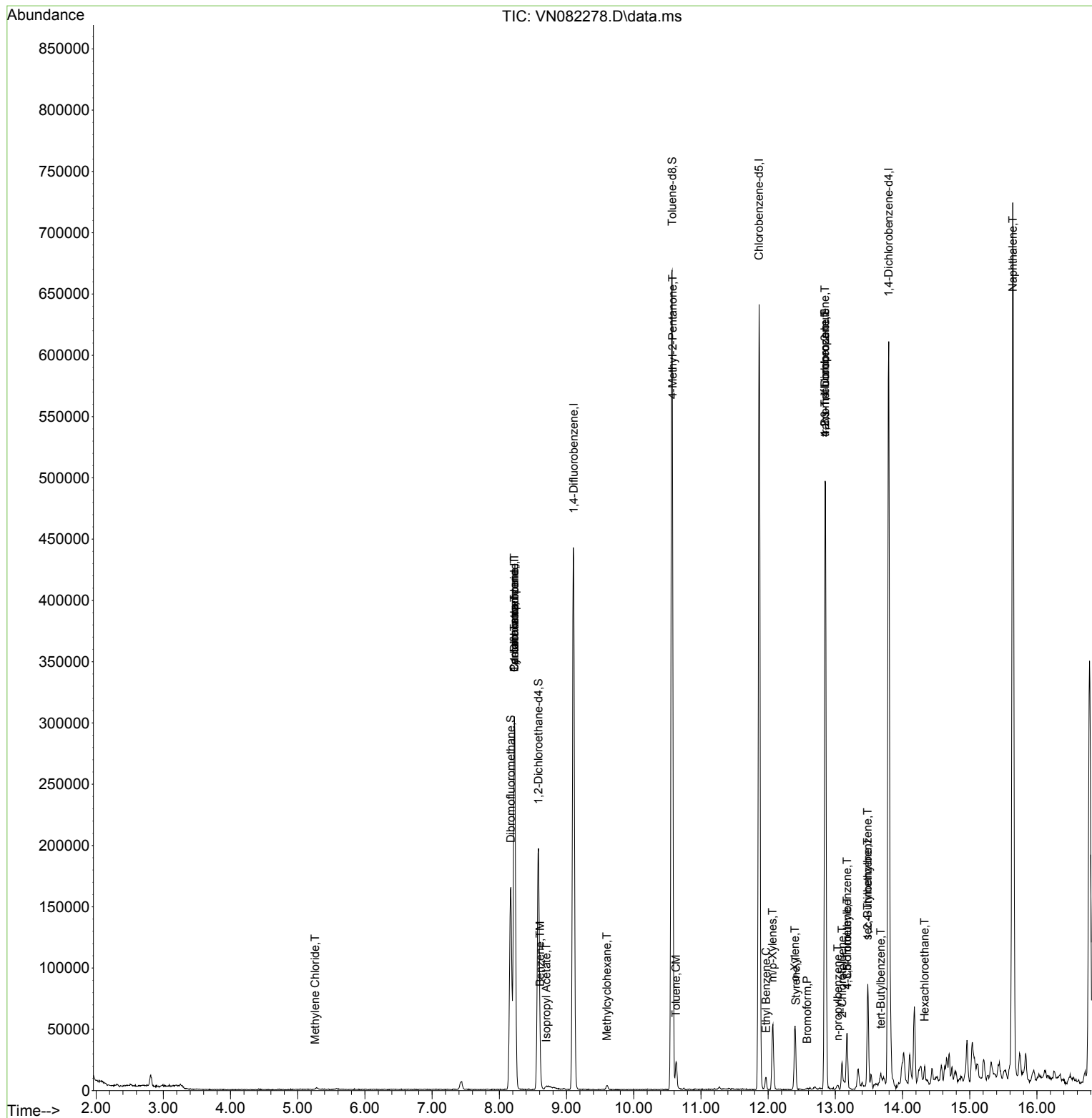
Internal Standards						
1) Pentafluorobenzene	8.224	168	208667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	362016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	335838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	163191	49.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.060%		
35) Dibromofluoromethane	8.171	113	115024	51.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.300%		
50) Toluene-d8	10.571	98	449059	52.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.200%		
62) 4-Bromofluorobenzene	12.847	95	163251	53.570	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	107.140%		
Target Compounds					Qvalue	
20) Methylene Chloride	5.259	84	872	0.320	ug/l #	53
31) Cyclohexane	8.224	56	6732	1.279	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	19350	5.181	ug/l #	48
38) Carbon Tetrachloride	8.224	117	23088	6.098	ug/l #	16
39) Methylcyclohexane	9.600	83	1677	0.410	ug/l #	79
40) Benzene	8.606	78	4745	0.426	ug/l	96
43) Isopropyl Acetate	8.700	43	2380	0.321	ug/l #	52
51) 4-Methyl-2-Pentanone	10.577	43	3176	0.755	ug/l #	1
52) Toluene	10.630	92	8329	1.246	ug/l	89
67) Ethyl Benzene	11.971	91	6583	0.496	ug/l	94
68) m/p-Xylenes	12.065	106	15219	3.129	ug/l	93
69) o-Xylene	12.400	106	13644	2.896	ug/l	94
70) Styrene	12.412	104	2653	0.339	ug/l #	2
71) Bromoform	12.582	173	64	0.733	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	98842	30.799	ug/l #	1
78) n-propylbenzene	13.035	91	3335	0.232	ug/l	91
79) 2-Chlorotoluene	13.100	91	2395	0.266	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.177	105	22040	2.250	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.847	75	98842	72.037	ug/l #	12
82) 4-Chlorotoluene	13.177	91	2977	0.338	ug/l #	40
83) tert-Butylbenzene	13.676	119	2147	0.251	ug/l	73
84) 1,2,4-Trimethylbenzene	13.482	105	46372	4.627	ug/l	96
85) sec-Butylbenzene	13.482	105	46372	3.904	ug/l #	56
90) Hexachloroethane	14.329	117	819	0.458	ug/l #	17
95) Naphthalene	15.641	128	639755	73.566	ug/l	99

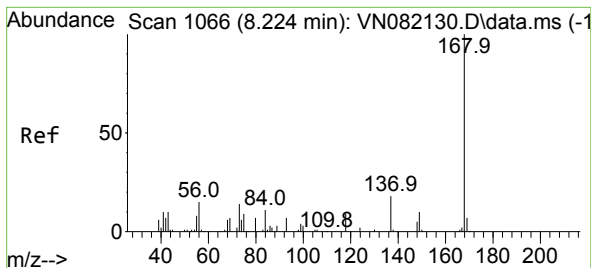
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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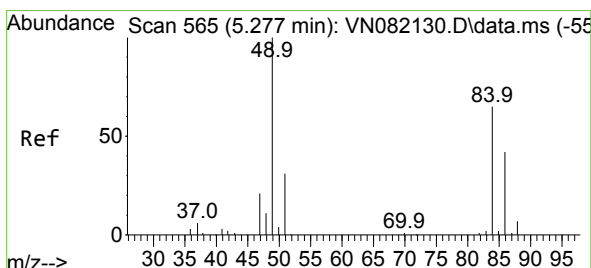
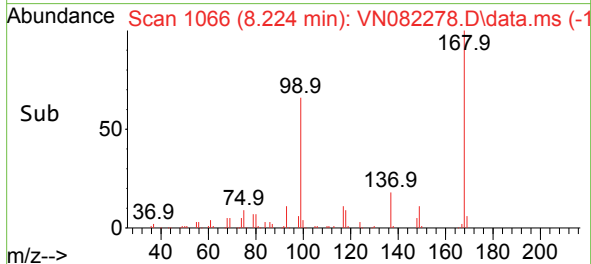
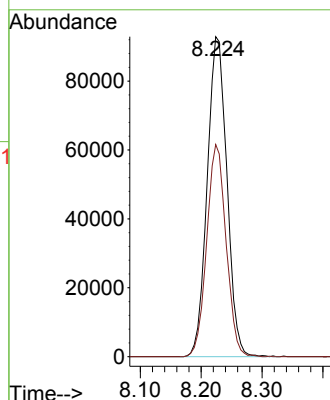
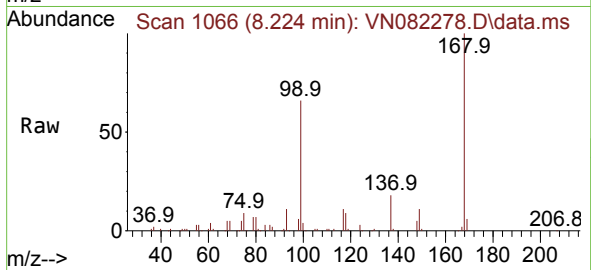




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

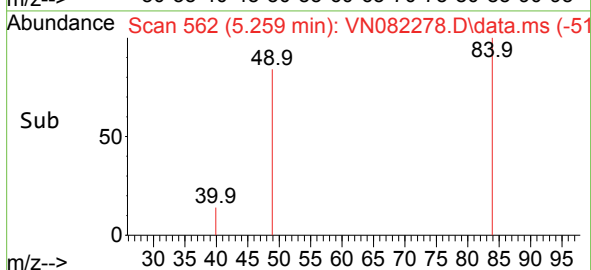
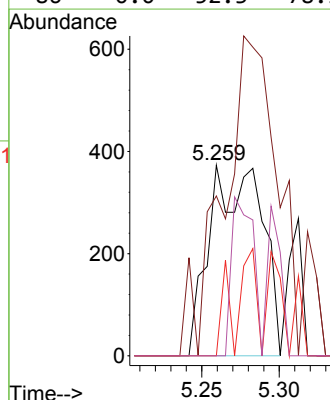
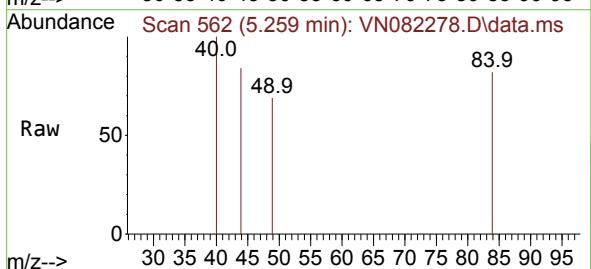
Instrument :
MSVOA_N
ClientSampleId :
18

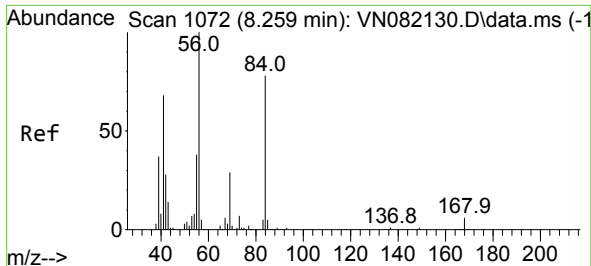
Tgt Ion:168 Resp: 208667
Ion Ratio Lower Upper
168 100
99 66.3 48.2 72.4



#20
Methylene Chloride
Concen: 0.320 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion: 84 Resp: 872
Ion Ratio Lower Upper
84 100
49 83.9 84.9 127.3#
51 0.0 27.0 40.6#
86 0.0 52.3 78.5#

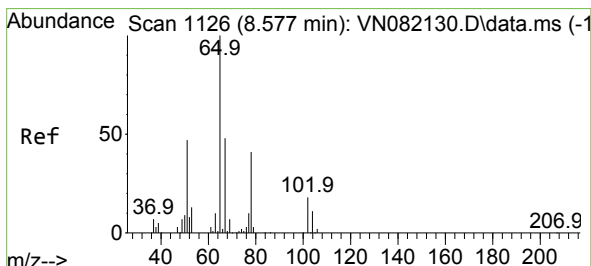
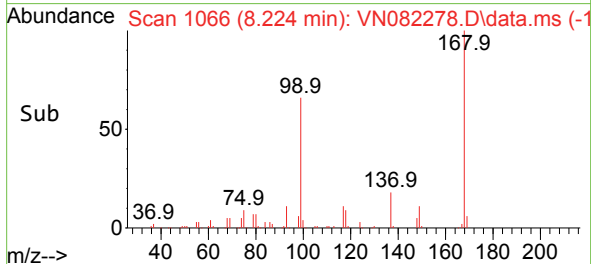
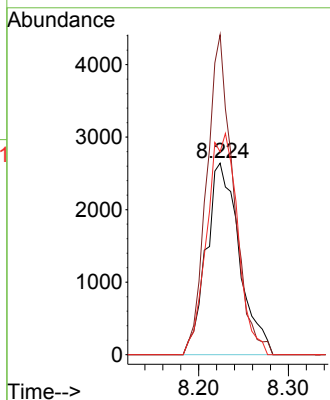
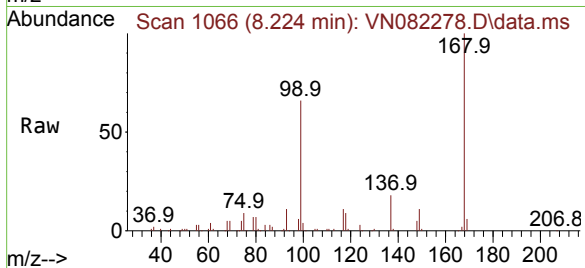




#31
Cyclohexane
Concen: 1.279 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

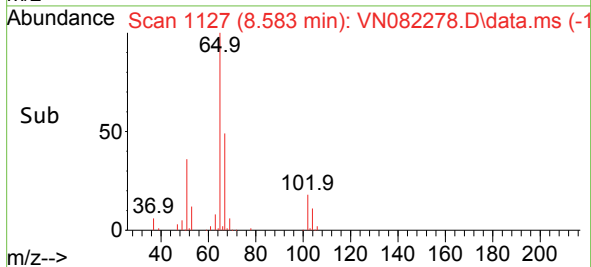
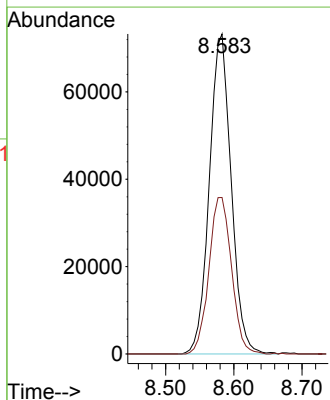
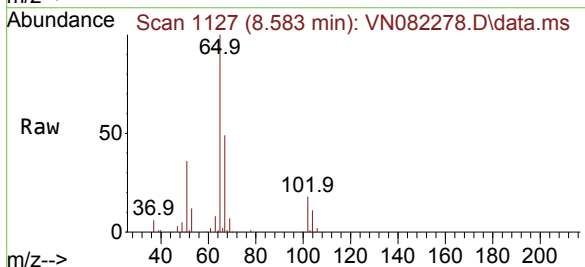
Instrument :
MSVOA_N
ClientSampleId :
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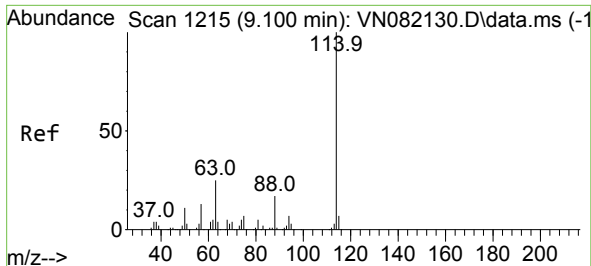
Tgt Ion: 56 Resp: 6732
Ion Ratio Lower Upper
56 100
69 167.1 24.4 36.6#
84 106.0 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 49.528 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion: 65 Resp: 163191
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082278.D

Acq: 22 May 2024 07:09

Instrument :

MSVOA_N

ClientSampleId :

18

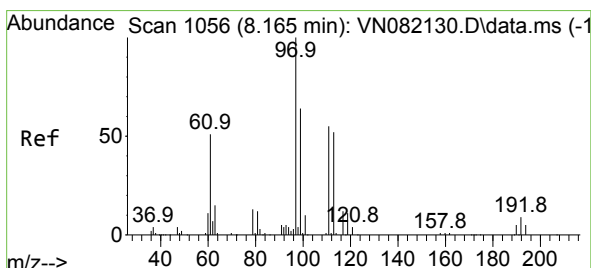
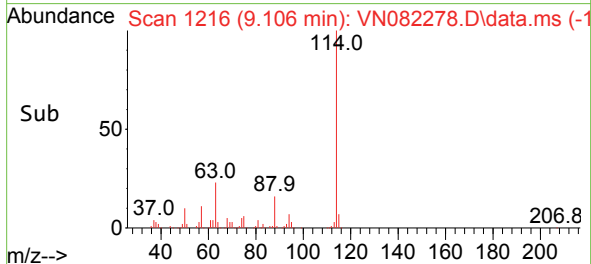
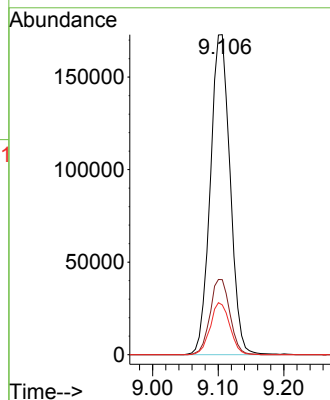
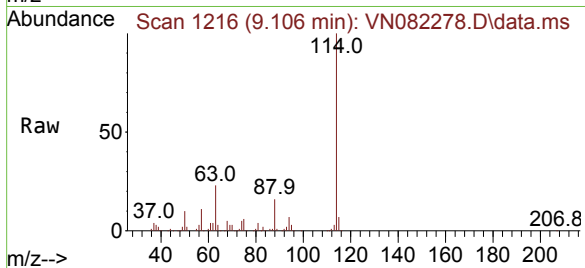
Tgt Ion:114 Resp: 362016

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.0

88 15.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.651 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082278.D

Acq: 22 May 2024 07:09

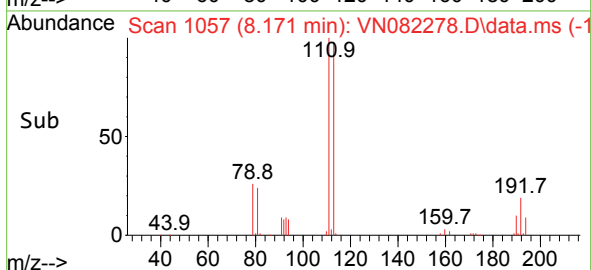
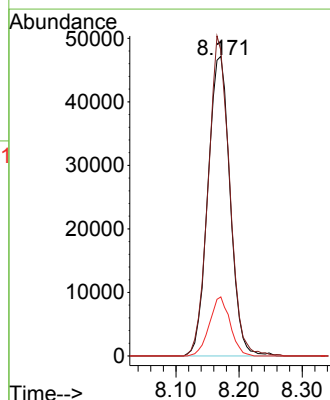
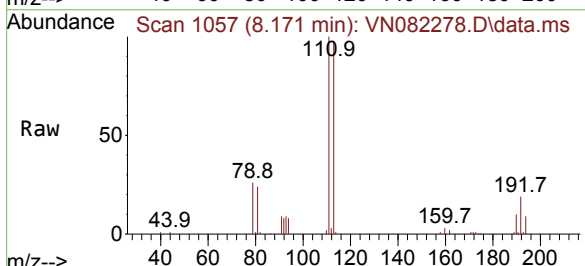
Tgt Ion:113 Resp: 115024

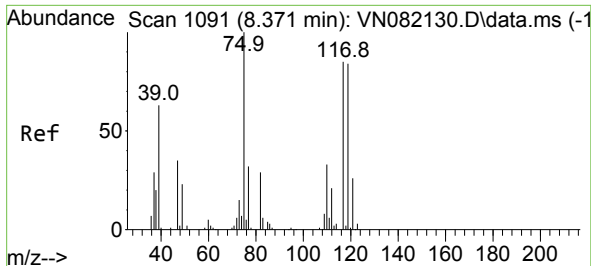
Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

192 18.3 14.0 21.0

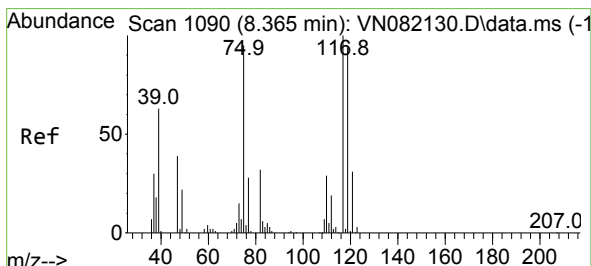
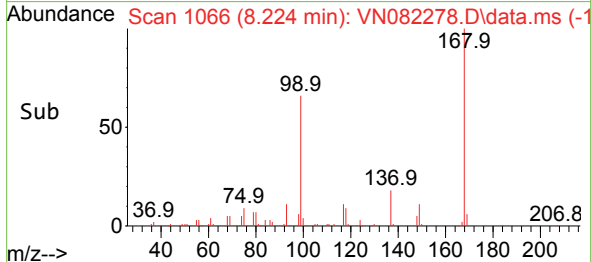
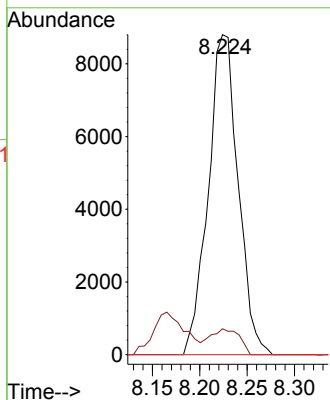
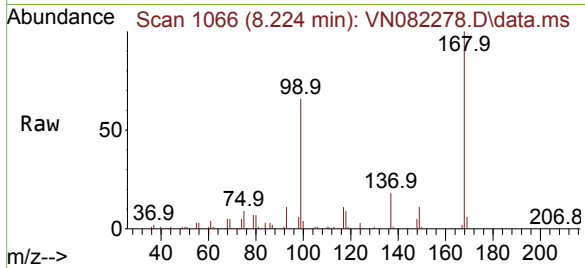




#36
1,1-Dichloropropene
Concen: 5.181 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

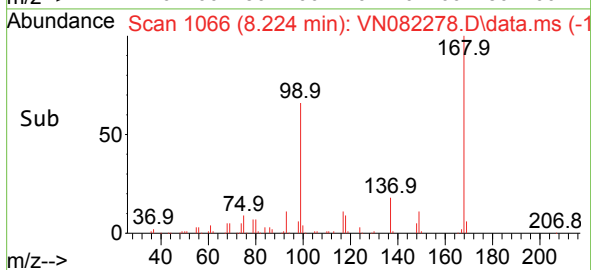
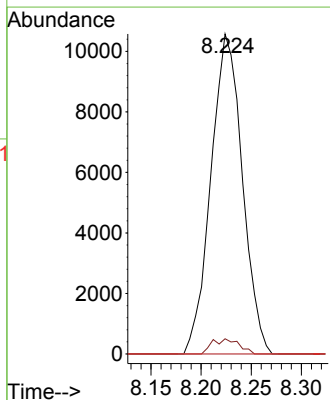
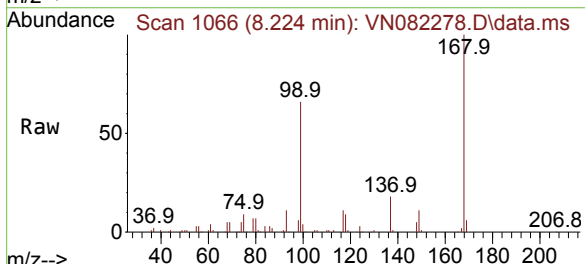
Instrument :
MSVOA_N
ClientSampleId :
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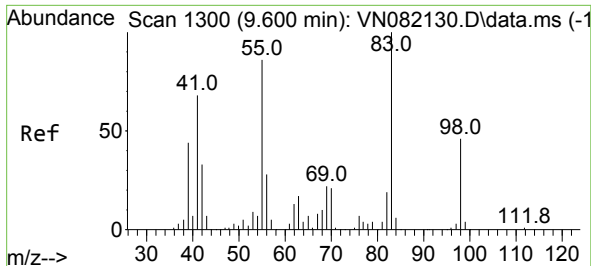
Tgt Ion: 75 Resp: 19350
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.098 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion: 117 Resp: 23088
Ion Ratio Lower Upper
117 100
119 4.7 76.5 114.7#
121 0.0 23.9 35.9#





#39

Methylcyclohexane

Concen: 0.410 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN082278.D

Acq: 22 May 2024 07:09

Instrument :

MSVOA_N

ClientSampleId :

18

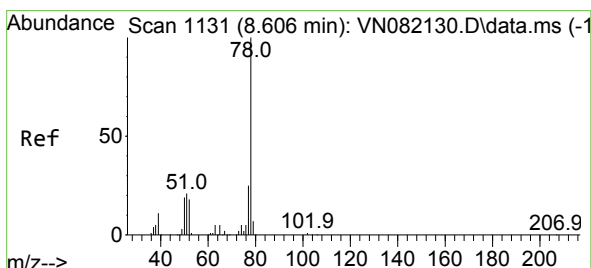
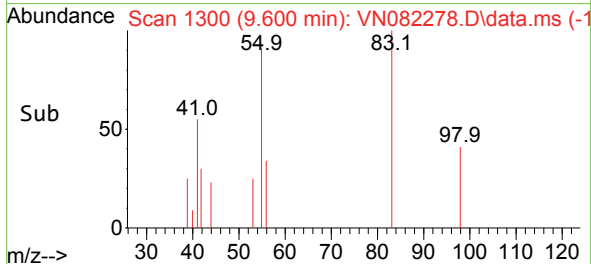
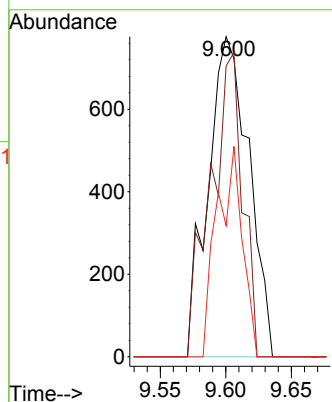
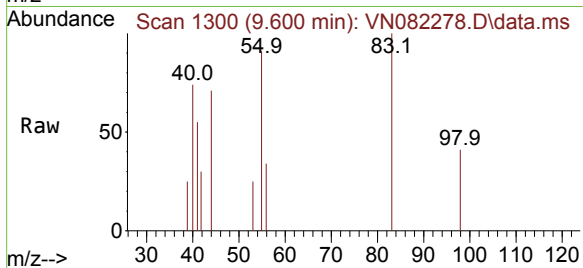
Tgt Ion: 83 Resp: 1677

Ion Ratio Lower Upper

83 100

55 90.9 53.0 79.6#

98 41.0 37.1 55.7



#40

Benzene

Concen: 0.426 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN082278.D

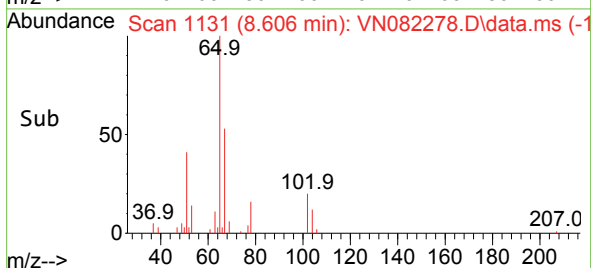
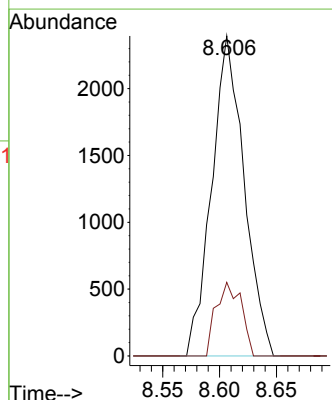
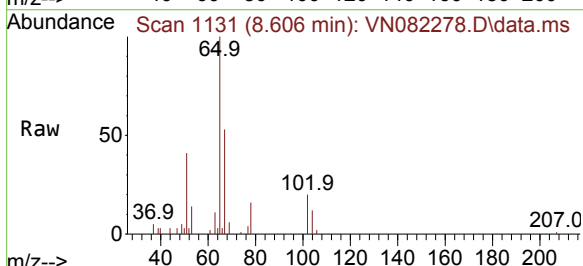
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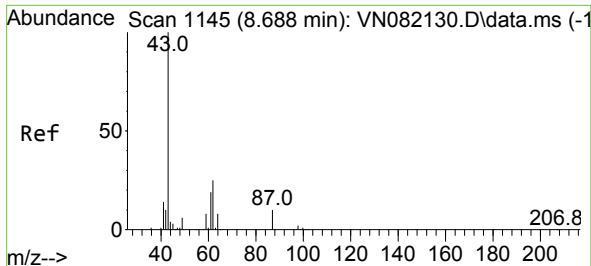
Tgt Ion: 78 Resp: 4745

Ion Ratio Lower Upper

78 100

77 23.0 20.0 30.0

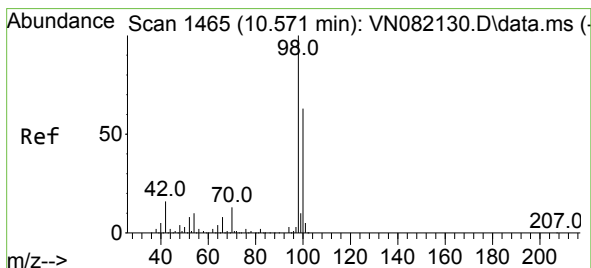
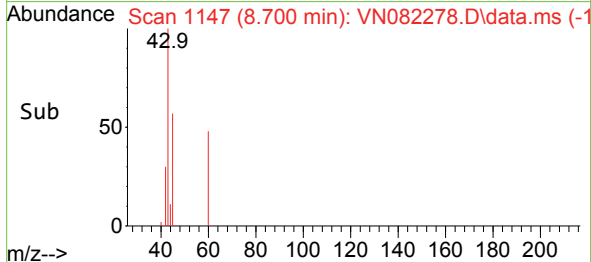
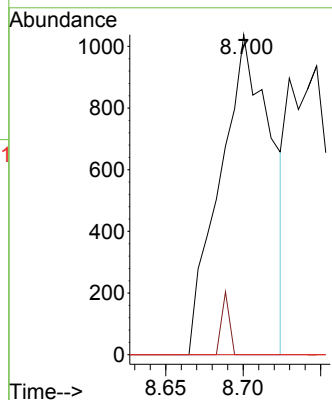
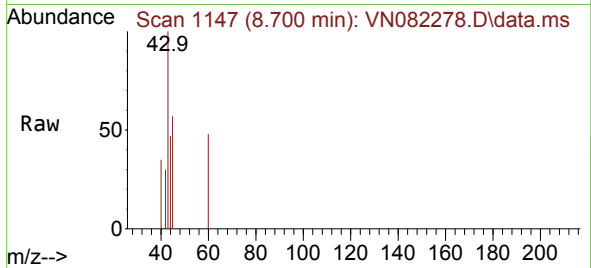




#43
Isopropyl Acetate
Concen: 0.321 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

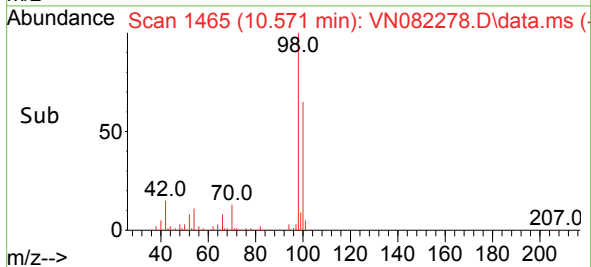
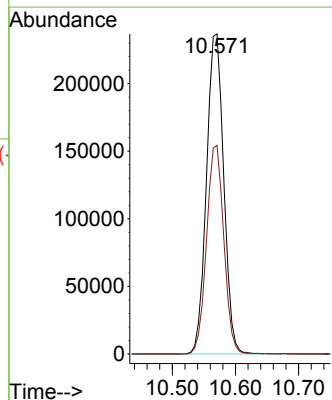
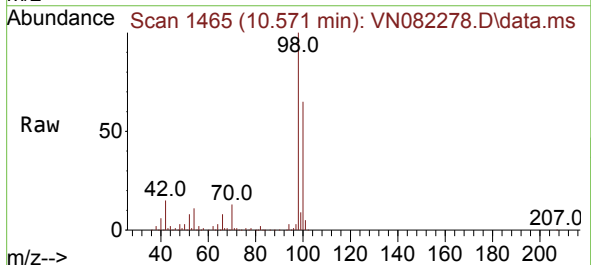
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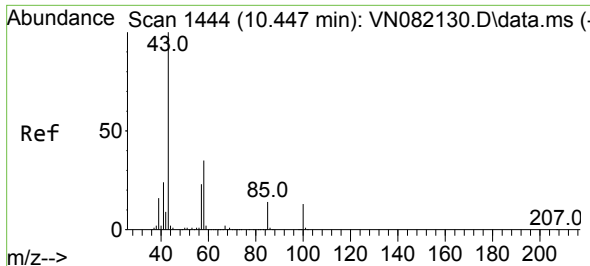
Tgt Ion: 43 Resp: 2380
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 52.595 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion: 98 Resp: 449059
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6

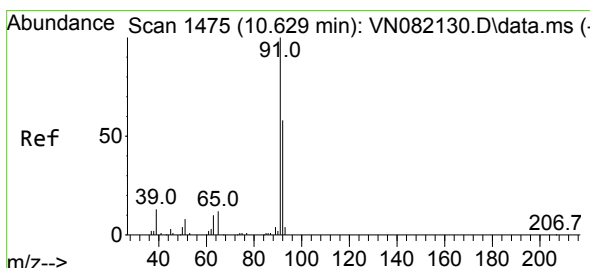
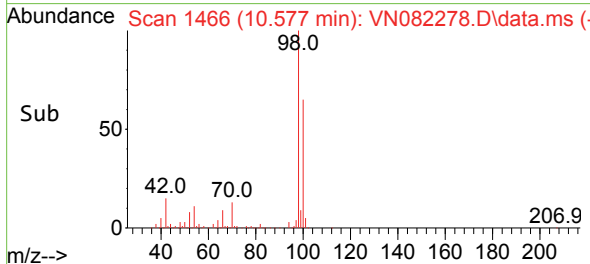
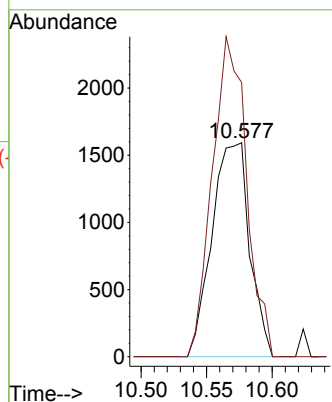
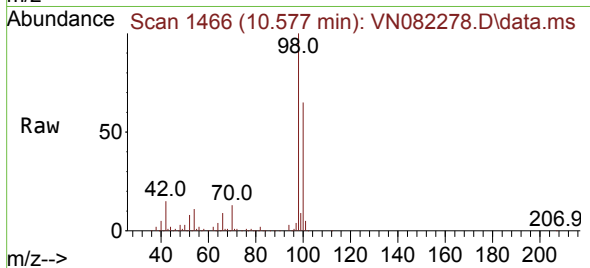




#51
4-Methyl-2-Pentanone
Concen: 0.755 ug/l
RT: 10.577 min Scan# 1444
Delta R.T. 0.130 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

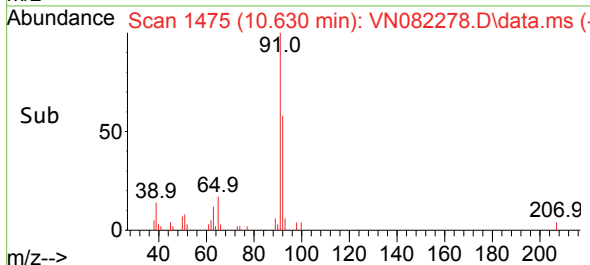
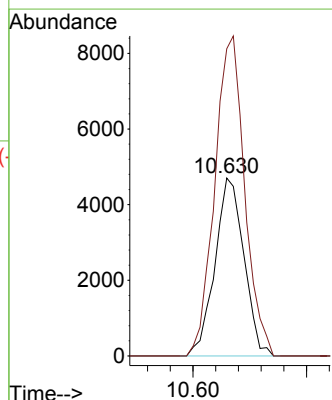
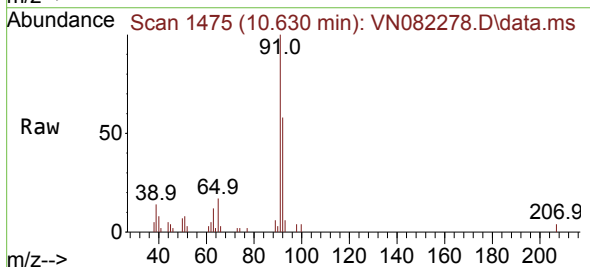
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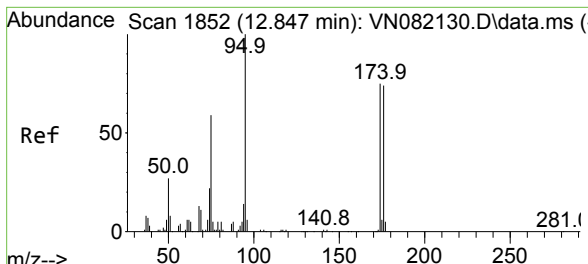
Tgt Ion: 43 Resp: 3176
Ion Ratio Lower Upper
43 100
58 136.1 33.2 49.8#



#52
Toluene
Concen: 1.246 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion: 92 Resp: 8329
Ion Ratio Lower Upper
92 100
91 185.7 136.7 205.1

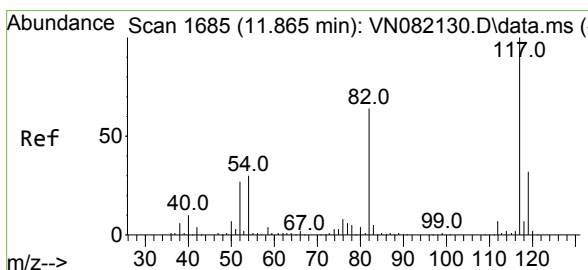
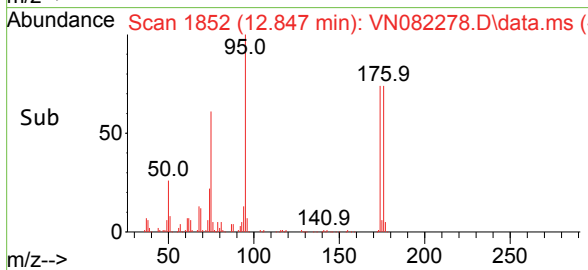
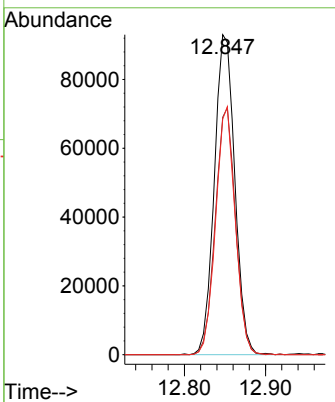
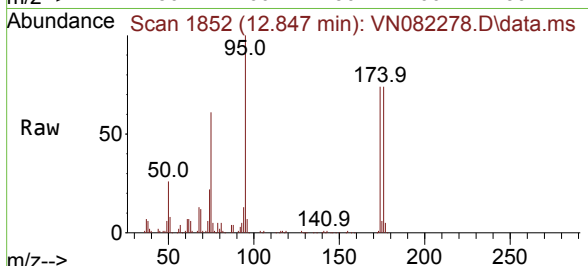




#62
 4-Bromofluorobenzene
 Concen: 53.570 ug/l
 RT: 12.847 min Scan# 18
 Delta R.T. 0.000 min
 Lab File: VN082278.D
 Acq: 22 May 2024 07:09

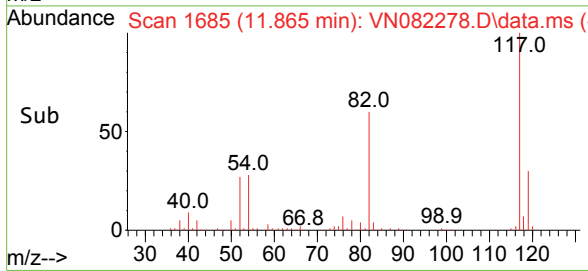
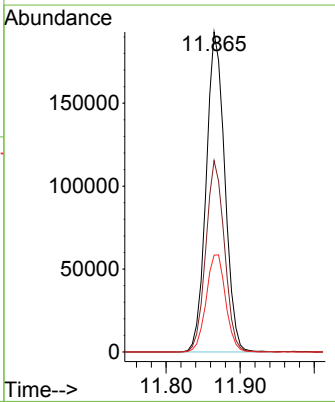
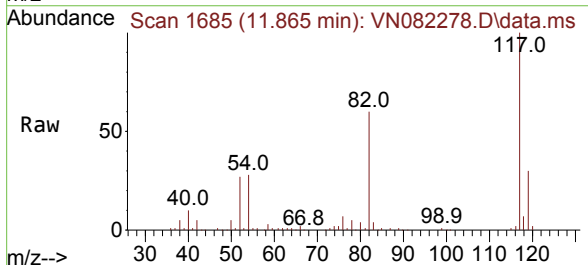
Instrument :
 MSVOA_N
 ClientSampleId :
 18

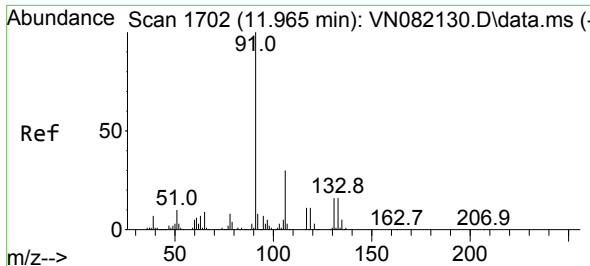
Tgt Ion:	95	Resp:	163251
Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	160.6
176	73.9	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN082278.D
 Acq: 22 May 2024 07:09

Tgt Ion:	117	Resp:	335838
Ion	Ratio	Lower	Upper
117	100		
82	59.8	44.6	66.8
119	30.3	25.9	38.9

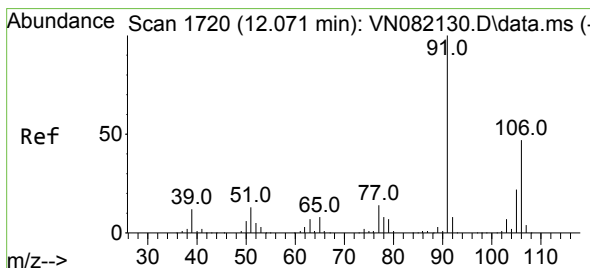
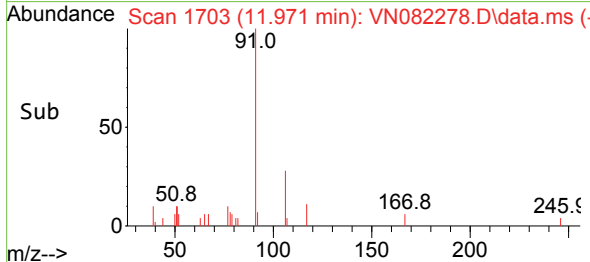
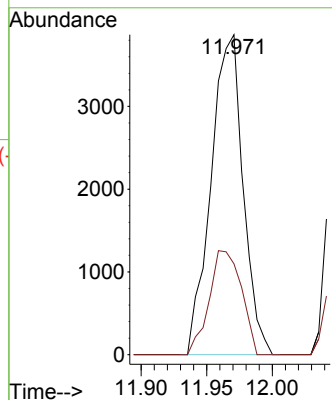
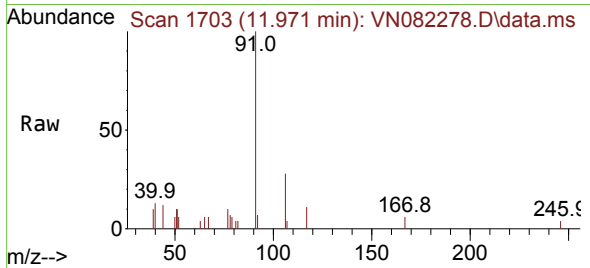




#67
Ethyl Benzene
Concen: 0.496 ug/l
RT: 11.971 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

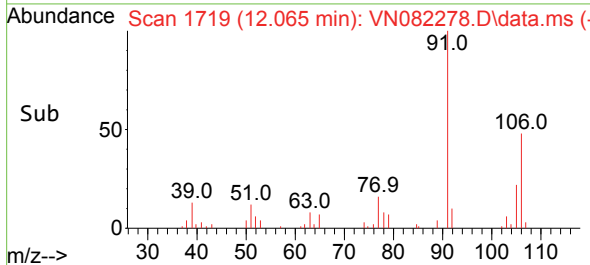
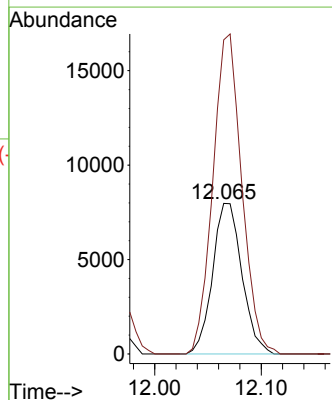
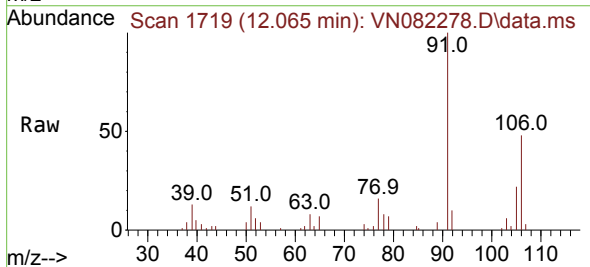
Instrument :
MSVOA_N
ClientSampleId :
18

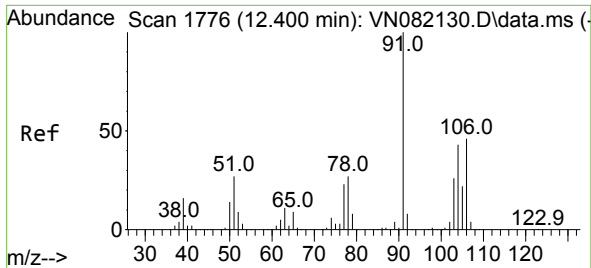
Tgt Ion: 91 Resp: 6583
Ion Ratio Lower Upper
91 100
106 28.4 25.3 37.9



#68
m/p-Xylenes
Concen: 3.129 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion: 106 Resp: 15219
Ion Ratio Lower Upper
106 100
91 209.8 159.4 239.0

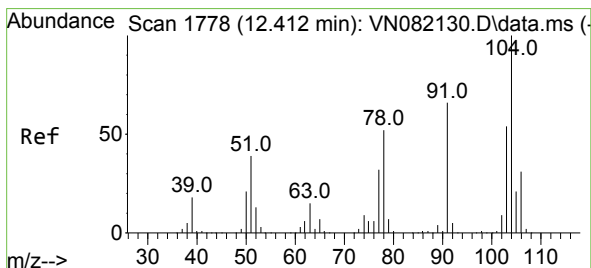
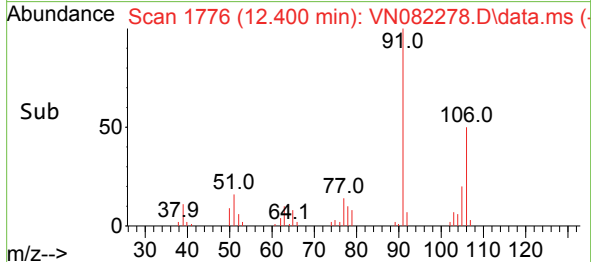
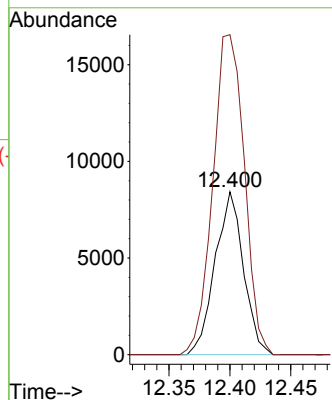
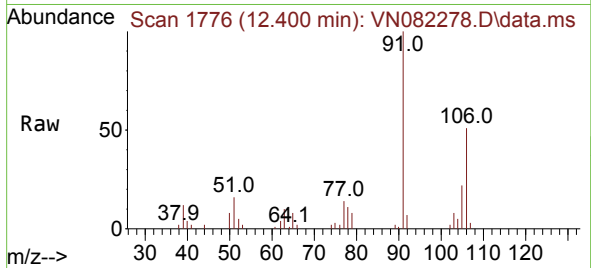




#69
o-Xylene
Concen: 2.896 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

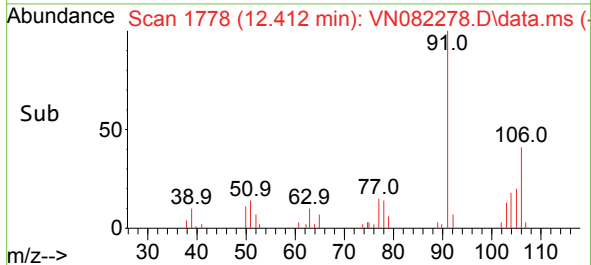
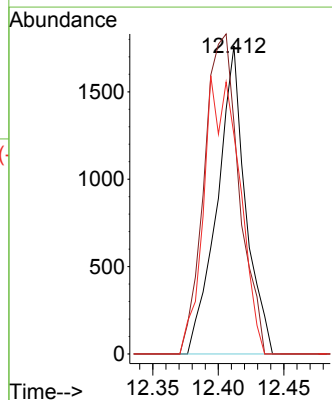
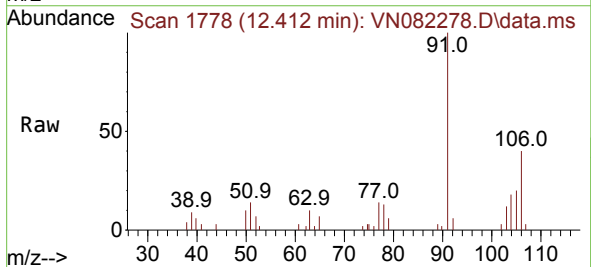
Instrument :
MSVOA_N
ClientSampleId :
18

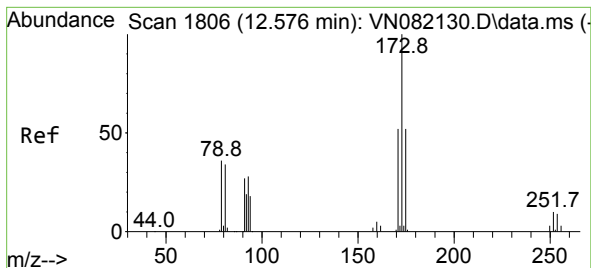
Tgt Ion:106 Resp: 13644
Ion Ratio Lower Upper
106 100
91 218.6 104.7 314.1



#70
Styrene
Concen: 0.339 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion:104 Resp: 2653
Ion Ratio Lower Upper
104 100
78 127.7 38.6 58.0#
103 112.9 43.8 65.6#





#71

Bromoform

Concen: 0.733 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN082278.D

Acq: 22 May 2024 07:09

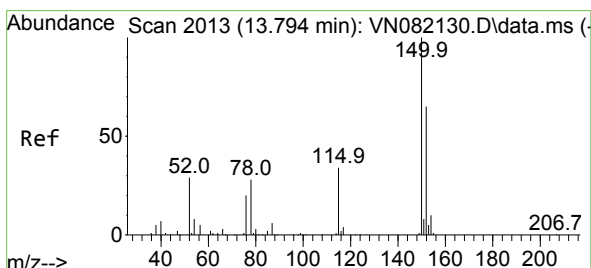
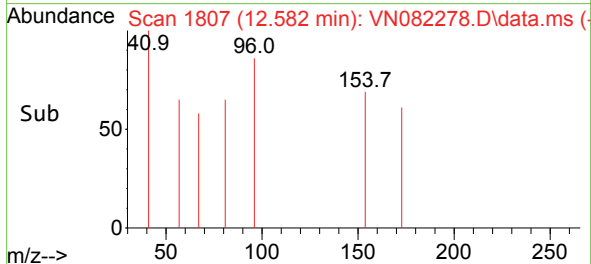
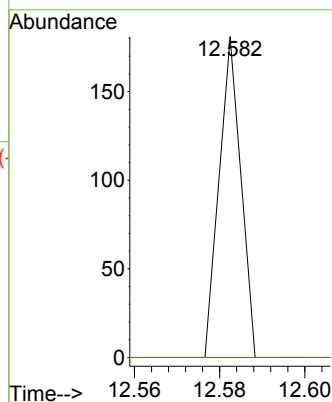
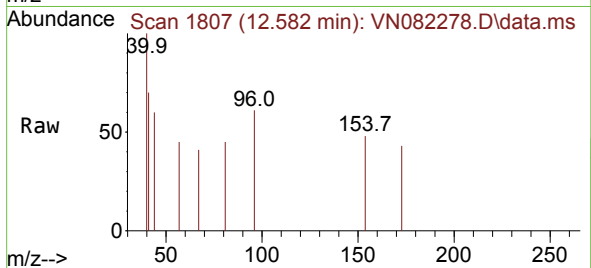
Instrument :

MSVOA_N

ClientSampleId :

18

Tgt Ion:173	Resp:	64
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.6 74.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

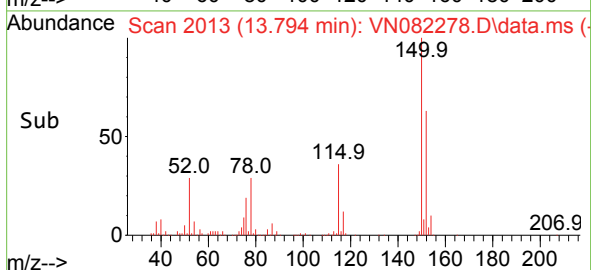
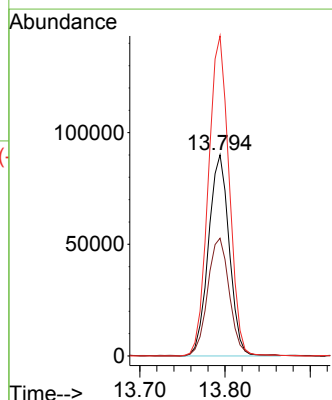
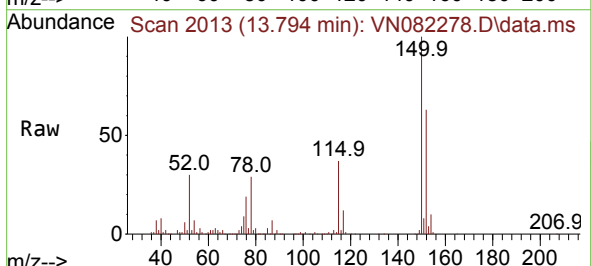
RT: 13.794 min Scan# 2013

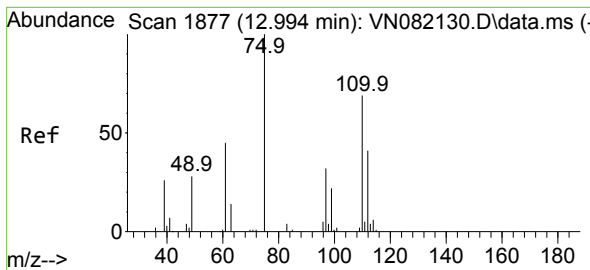
Delta R.T. 0.000 min

Lab File: VN082278.D

Acq: 22 May 2024 07:09

Tgt Ion:152	Resp:	152477
Ion Ratio	Lower	Upper
152	100	
115	61.3	30.4 91.3
150	158.9	0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 30.799 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082278.D

Acq: 22 May 2024 07:09

Instrument :

MSVOA_N

ClientSampleId :

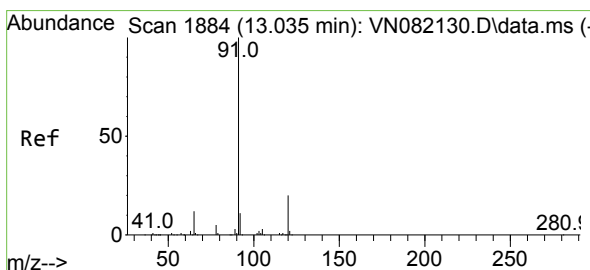
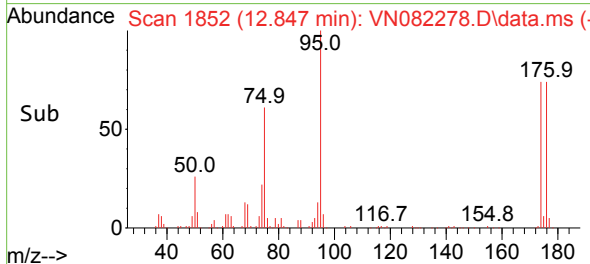
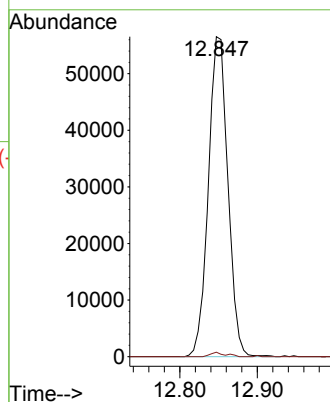
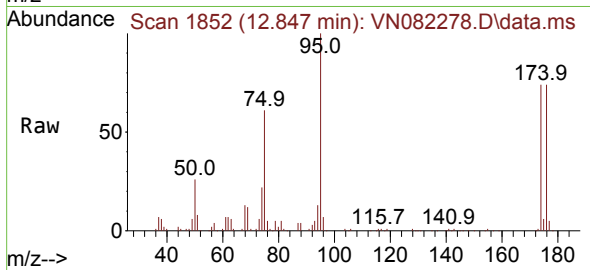
18

Tgt Ion: 75 Resp: 98842

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#78

n-propylbenzene

Concen: 0.232 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN082278.D

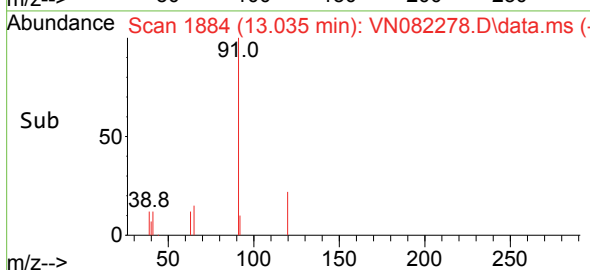
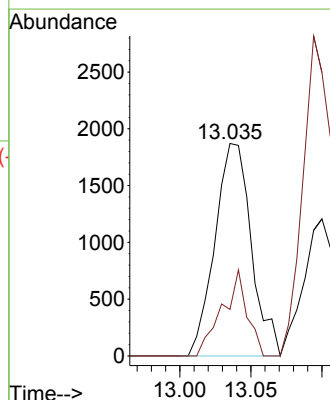
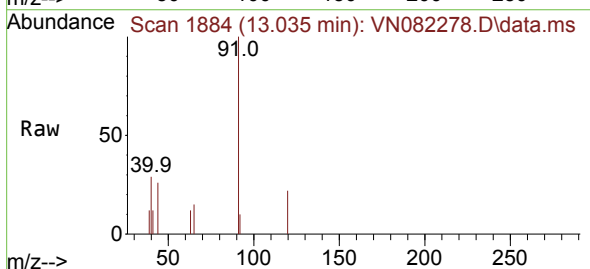
Acq: 22 May 2024 07:09

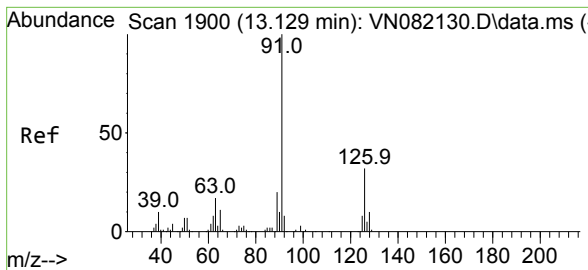
Tgt Ion: 91 Resp: 3335

Ion Ratio Lower Upper

91 100

120 27.6 11.7 35.0

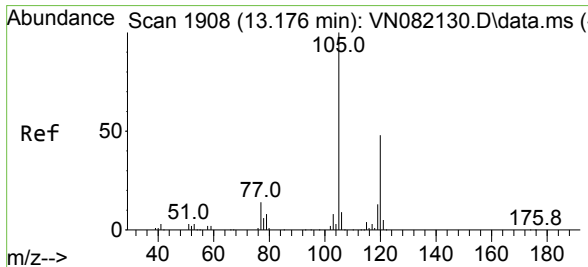
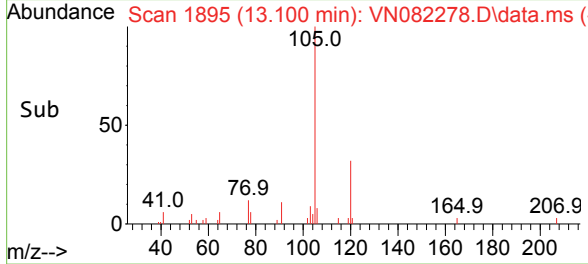
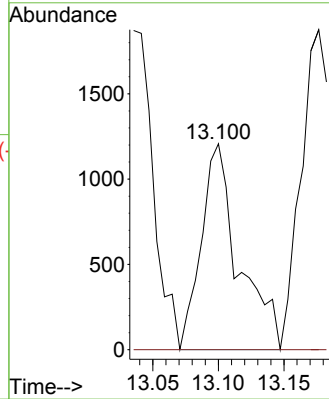
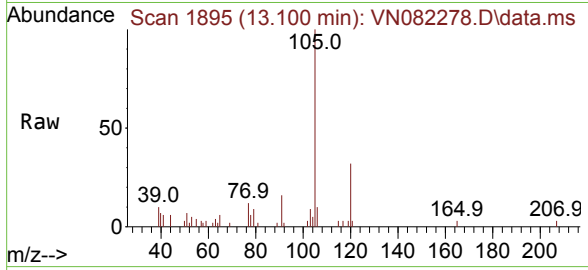




#79
2-Chlorotoluene
Concen: 0.266 ug/l
RT: 13.100 min Scan# 118
Delta R.T. -0.029 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

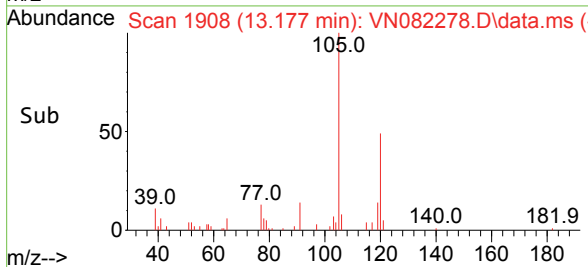
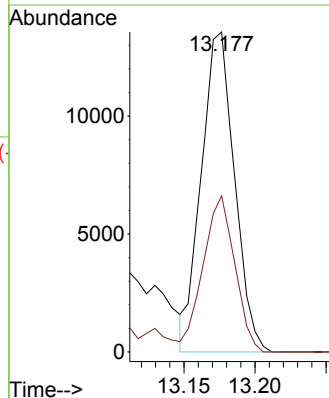
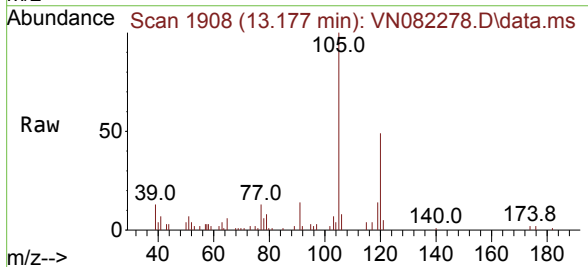
Instrument :
MSVOA_N
ClientSampleId :
18

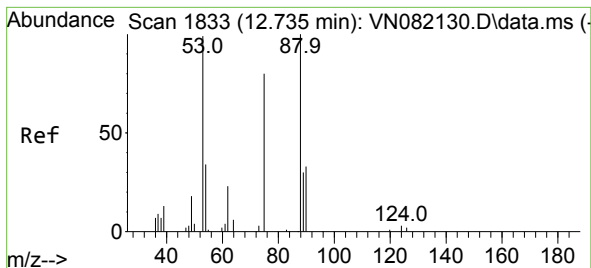
Tgt Ion: 91 Resp: 2395
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#



#80
1,3,5-Trimethylbenzene
Concen: 2.250 ug/l
RT: 13.177 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion: 105 Resp: 22040
Ion Ratio Lower Upper
105 100
120 46.6 24.8 74.3

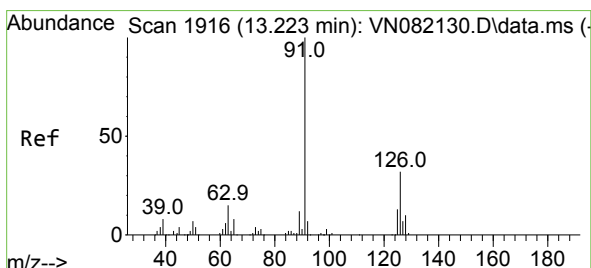
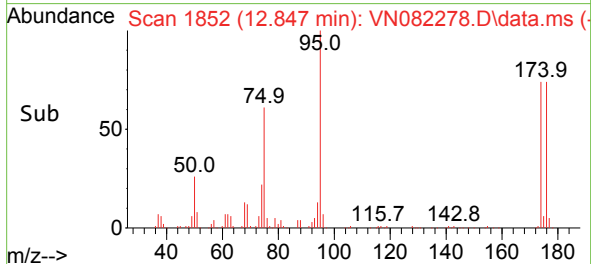
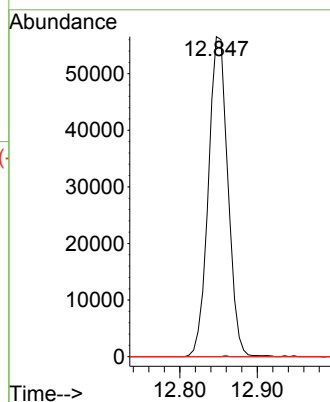
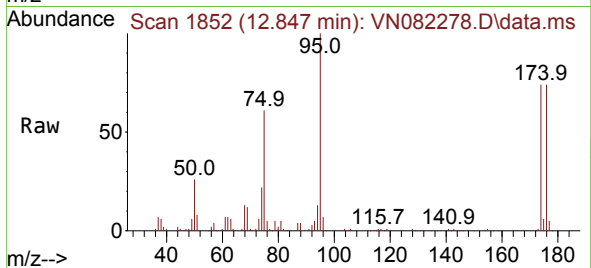




#81
trans-1,4-Dichloro-2-butene
Concen: 72.037 ug/l
RT: 12.847 min Scan# 118
Delta R.T. 0.112 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

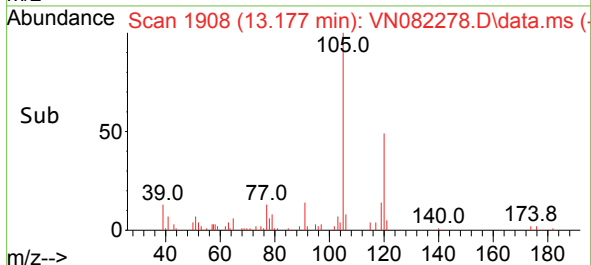
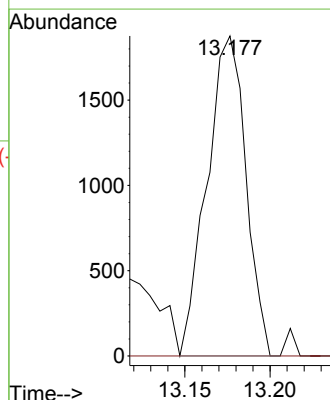
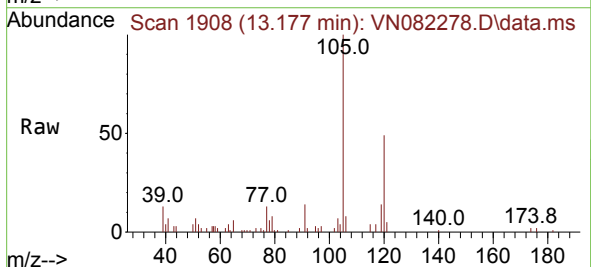
Instrument :
MSVOA_N
ClientSampleId :
18

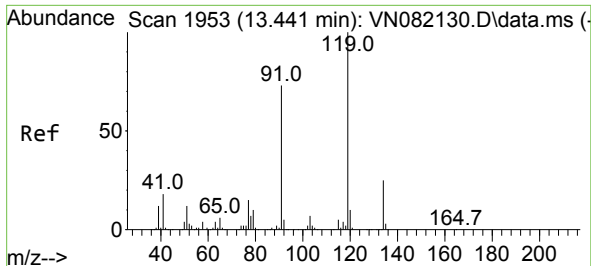
Tgt Ion: 75 Resp: 98842
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.1 39.1 58.7#



#82
4-Chlorotoluene
Concen: 0.338 ug/l
RT: 13.177 min Scan# 1908
Delta R.T. -0.047 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion: 91 Resp: 2977
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

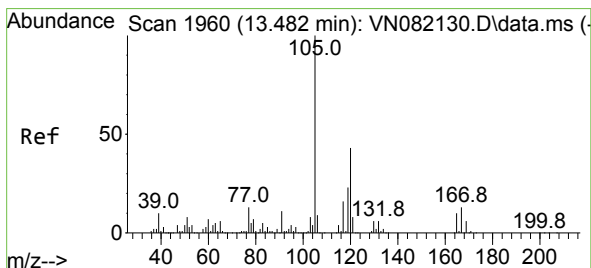
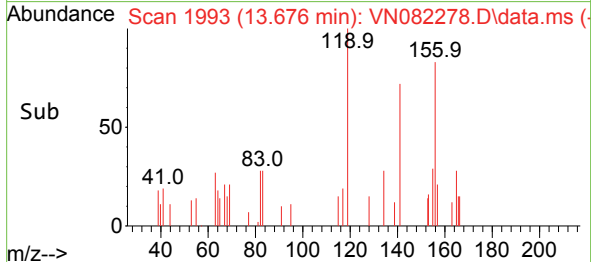
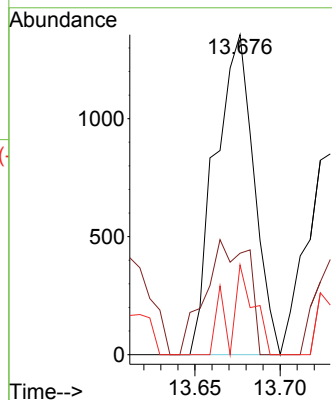
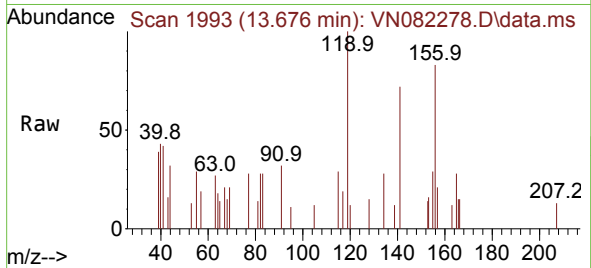




#83
tert-Butylbenzene
Concen: 0.251 ug/l
RT: 13.676 min Scan# 1953
Delta R.T. 0.235 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

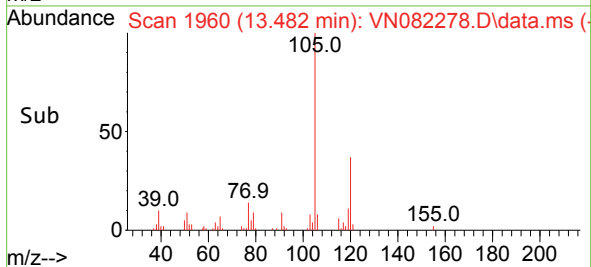
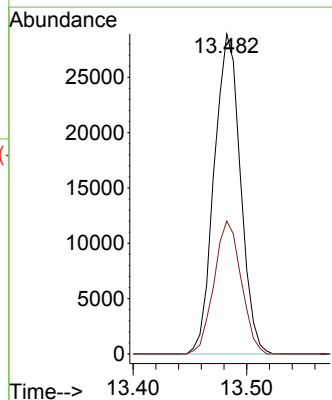
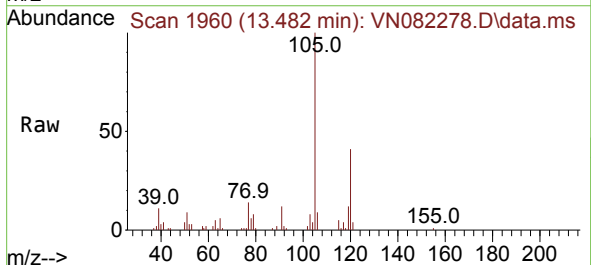
Instrument :
MSVOA_N
ClientSampleId :
18

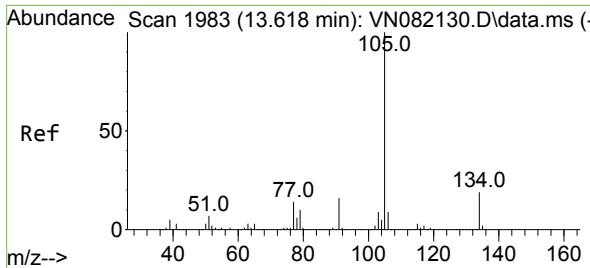
Tgt Ion:119 Resp: 2147
Ion Ratio Lower Upper
119 100
91 39.8 32.6 97.8
134 17.7 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 4.627 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Tgt Ion:105 Resp: 46372
Ion Ratio Lower Upper
105 100
120 43.0 22.9 68.7

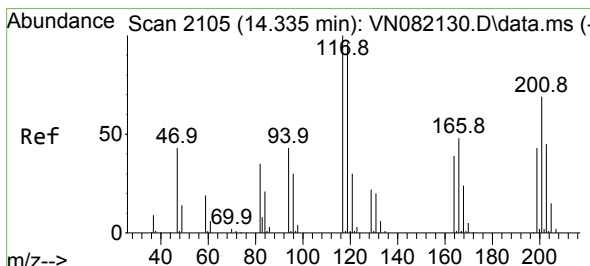
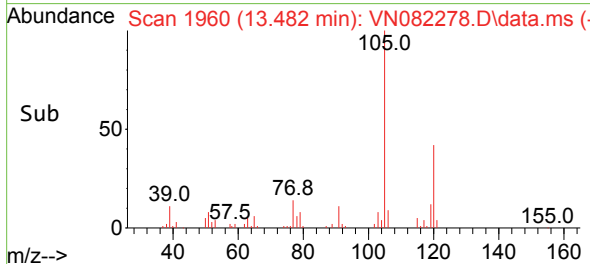
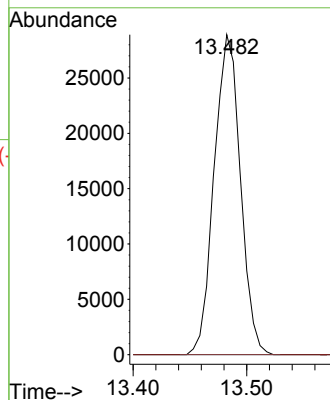
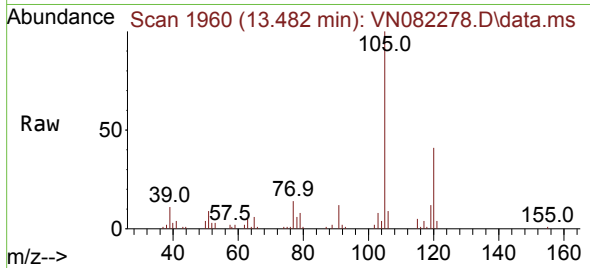




#85
sec-Butylbenzene
Concen: 3.904 ug/l
RT: 13.482 min Scan# 1983
Delta R.T. -0.135 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

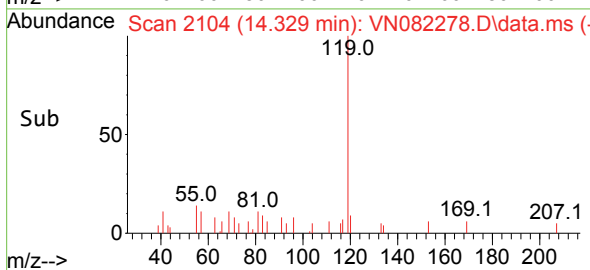
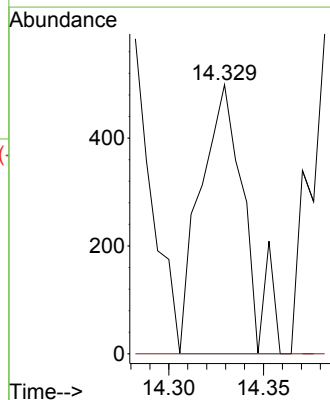
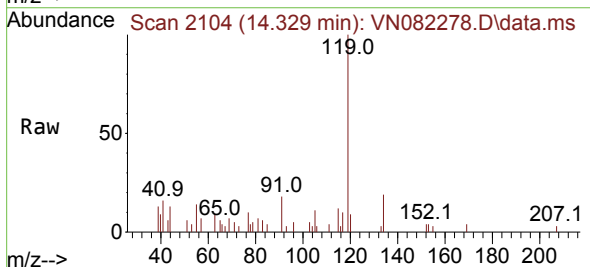
Instrument :
MSVOA_N
ClientSampleId :
18

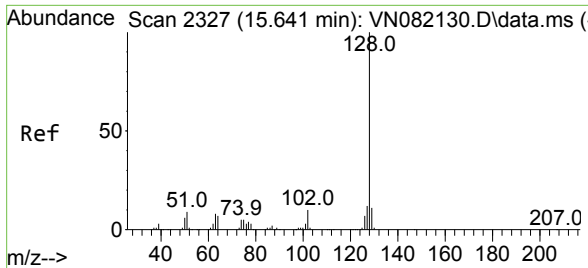
Tgt Ion:105 Resp: 46372
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#



#90
Hexachloroethane
Concen: 0.458 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

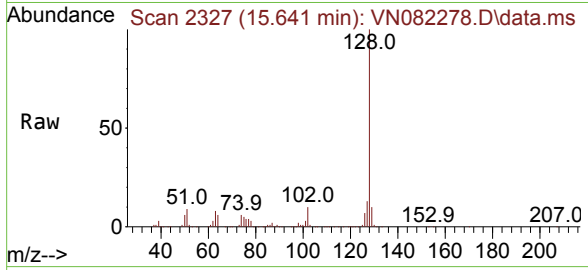
Tgt Ion:117 Resp: 819
Ion Ratio Lower Upper
117 100
201 0.0 33.3 99.8#





#95
Naphthalene
Concen: 73.566 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN082278.D
Acq: 22 May 2024 07:09

Instrument :
MSVOA_N
ClientSampleId :
18



Tgt Ion:128 Resp: 639755
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.8 8.9 13.3

