

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071124\
 Data File : VN082877.D
 Acq On : 11 Jul 2024 15:32
 Operator : JC\MD
 Sample : P3219-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240710079-02

Quant Time: Jul 12 01:07:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

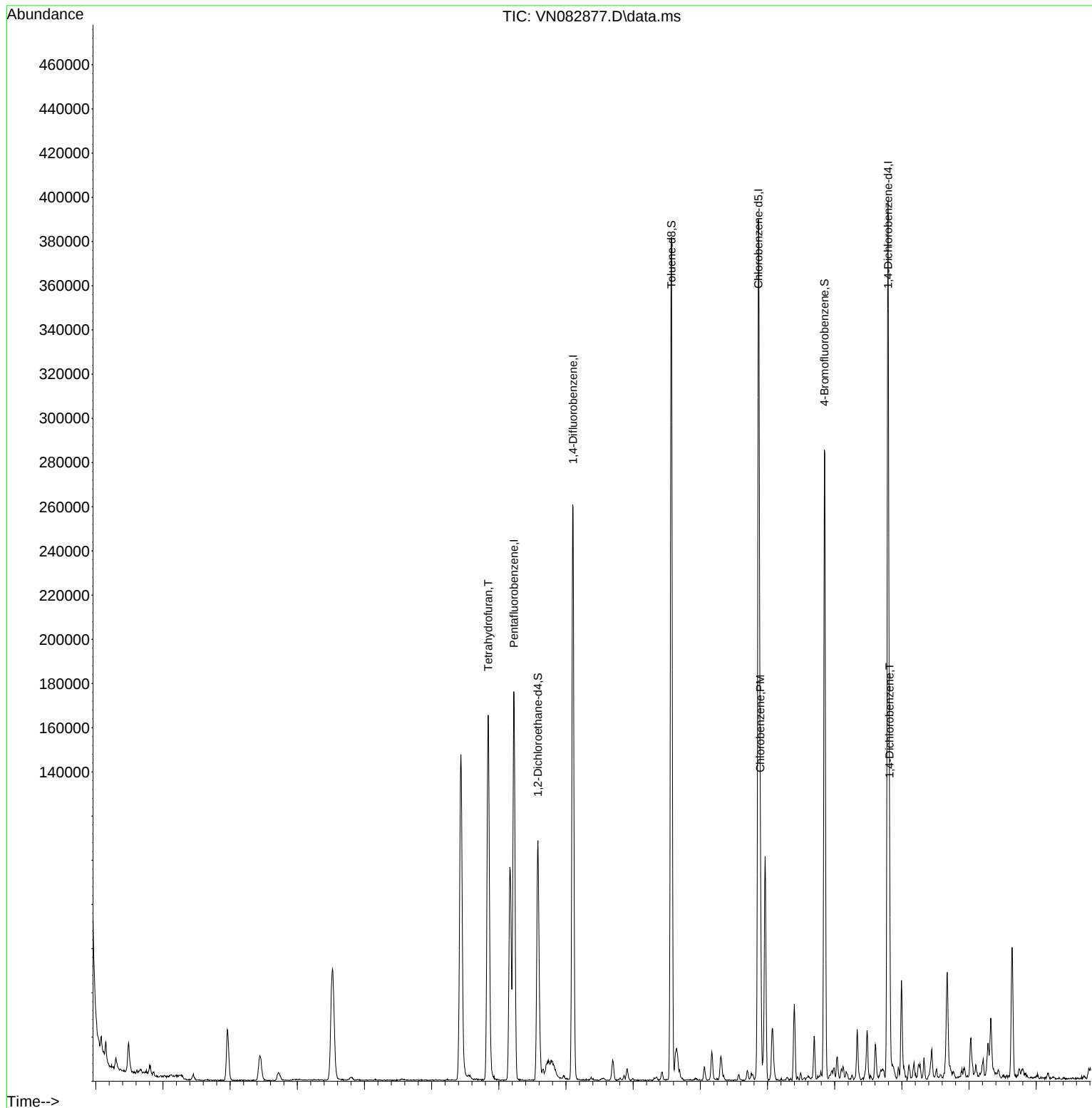
Internal Standards						
1) Pentafluorobenzene	8.224	168	123466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	223197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	88096	50.901	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.800%			
35) Dibromofluoromethane	8.165	113	69774	48.718	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.440%			
50) Toluene-d8	10.571	98	258892	48.942	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.847	95	95532	50.276	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 100.560%			
Target Compounds						
						Qvalue
8) Diethyl Ether	3.959	74	13317	16.993	ug/l	81
11) Tert butyl alcohol	5.524	59	95344	327.529	ug/l	98
16) Acetone	4.442	43	8716	14.304	ug/l	98
29) Tetrahydrofuran	7.841	42	124930	215.678	ug/l #	87
40) Benzene	8.606	78	13506	2.224	ug/l	94
52) Toluene	10.629	92	4197	1.106	ug/l	95
65) Chlorobenzene	11.894	112	48822	10.564	ug/l	99
67) Ethyl Benzene	11.965	91	69948	9.006	ug/l	97
68) m/p-Xylenes	12.076	106	8117	2.768	ug/l	94
69) o-Xylene	12.400	106	9199	3.274	ug/l	94
73) Isopropylbenzene	12.700	105	11906	1.699	ug/l	100
78) n-propylbenzene	13.035	91	8585	1.065	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	12432	2.153	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	32168	9.522	ug/l	97
91) 1,2-Dichlorobenzene	14.111	146	1994	0.629	ug/l	92
95) Naphthalene	15.641	128	56201	9.604	ug/l	99

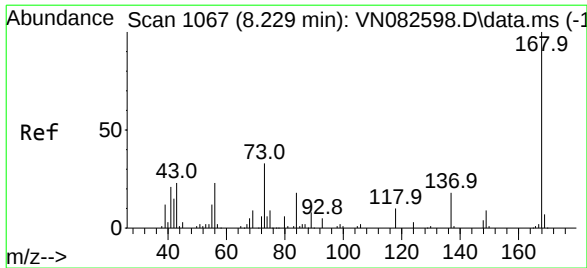
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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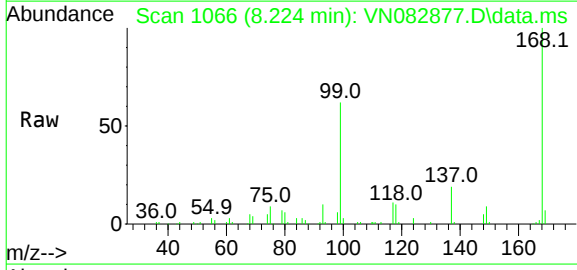
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QLast Update : Mon Jul 08 13:46:04 2024
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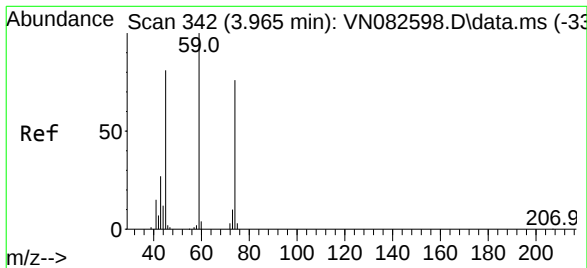
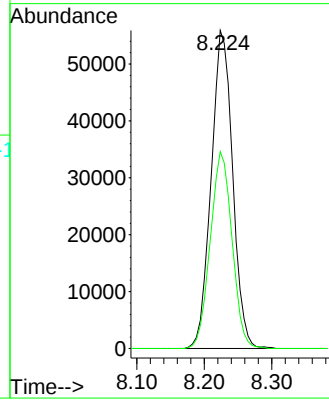
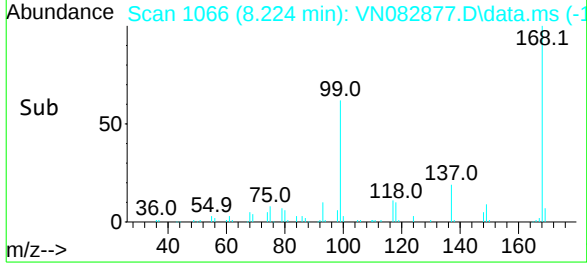


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082877.D
Acq: 11 Jul 2024 15:32

Instrument :
MSVOA_N
ClientSampleId :
240710079-02

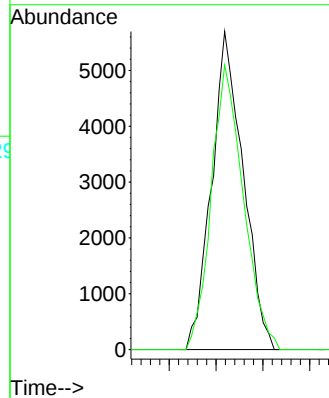
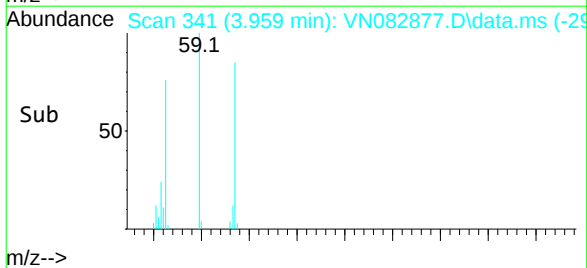
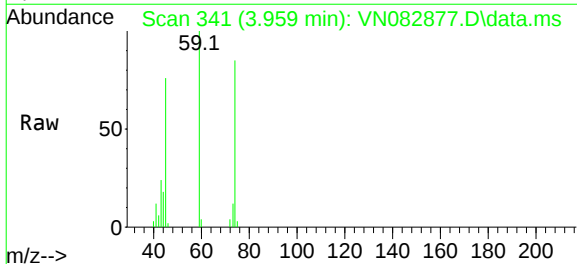


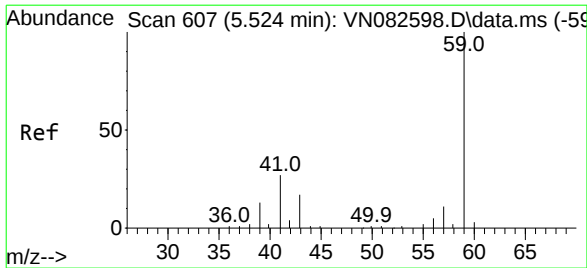
Tgt Ion:168 Resp: 123466
Ion Ratio Lower Upper
168 100
99 61.9 48.2 72.4



#8
Diethyl Ether
Concen: 16.993 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN082877.D
Acq: 11 Jul 2024 15:32

Tgt Ion: 74 Resp: 13317
Ion Ratio Lower Upper
74 100
45 90.8 55.5 166.3





#11

Tert butyl alcohol

Concen: 327.529 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.000 min

Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

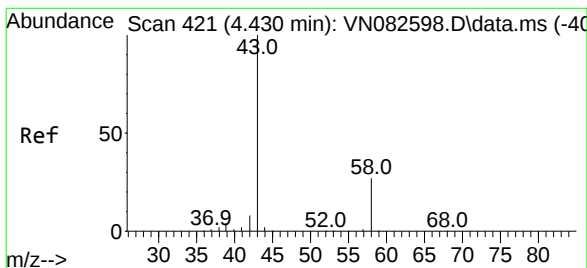
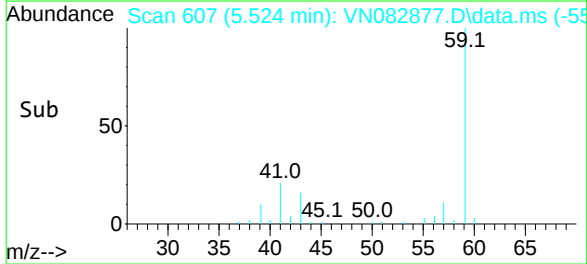
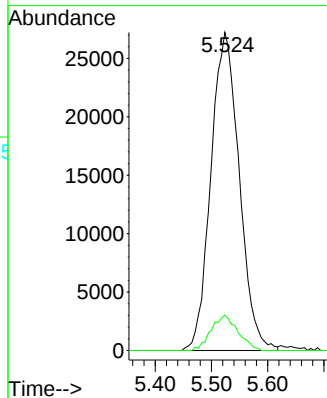
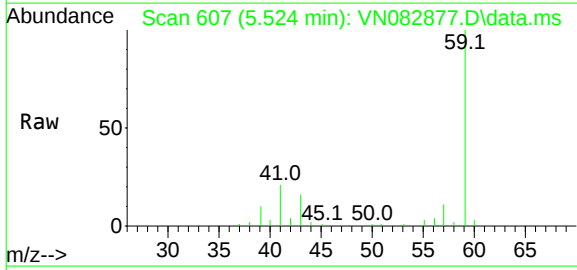
240710079-02

Tgt Ion: 59 Resp: 95344

Ion Ratio Lower Upper

59 100

57 10.5 8.9 13.3



#16

Acetone

Concen: 14.304 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.012 min

Lab File: VN082877.D

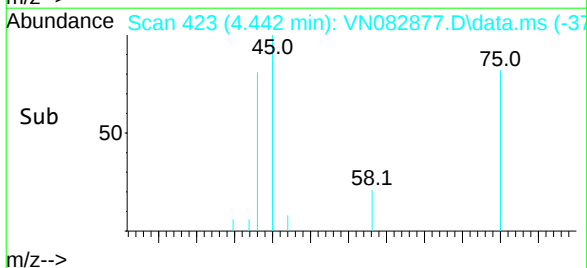
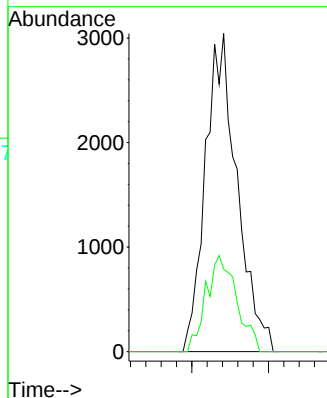
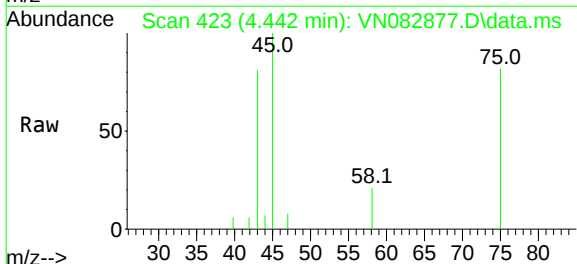
Acq: 11 Jul 2024 15:32

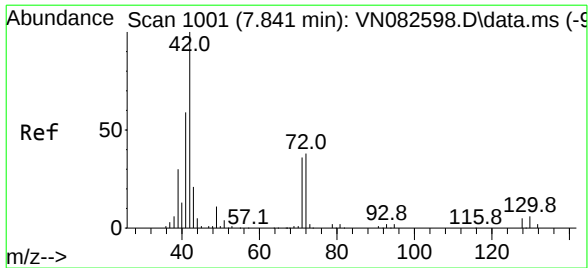
Tgt Ion: 43 Resp: 8716

Ion Ratio Lower Upper

43 100

58 25.9 21.8 32.6

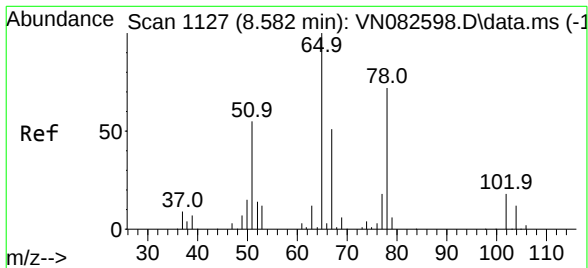
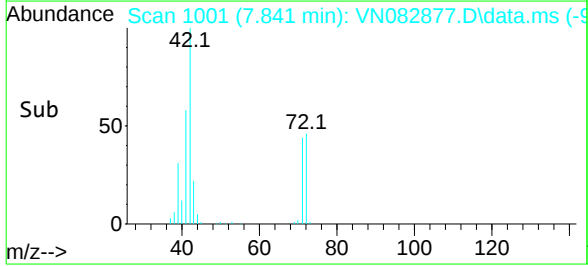
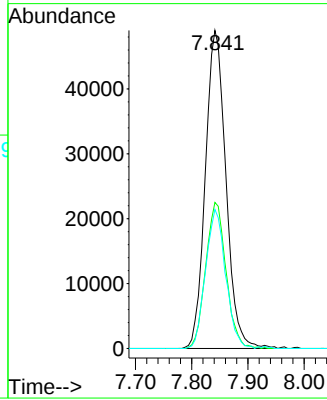
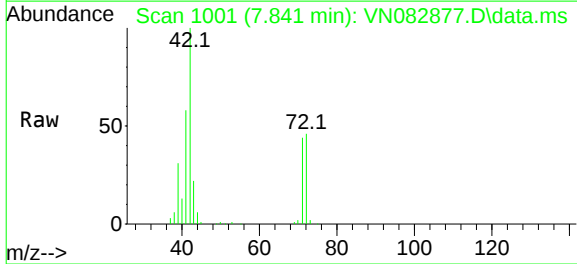




#29
Tetrahydrofuran
Concen: 215.678 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN082877.D
Acq: 11 Jul 2024 15:32

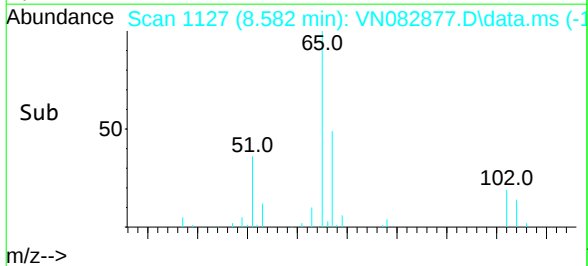
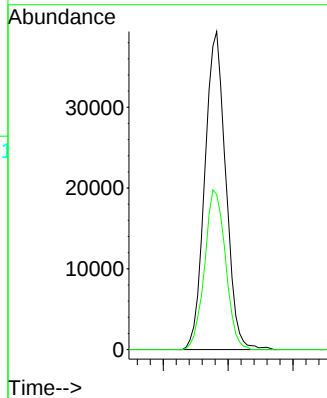
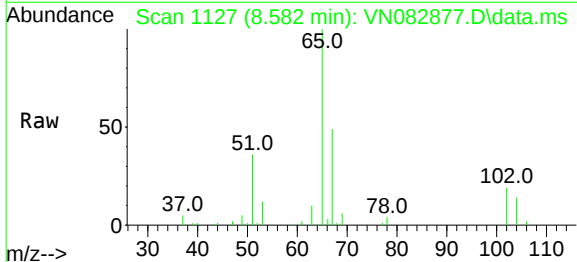
Instrument :
MSVOA_N
ClientSampleId :
240710079-02

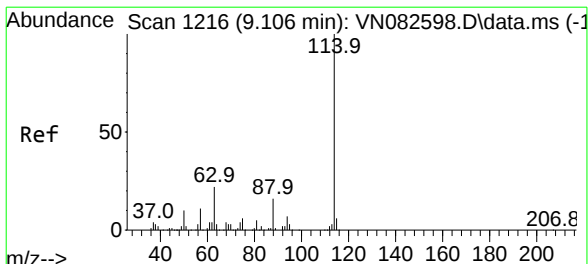
Tgt Ion: 42 Resp: 124930
Ion Ratio Lower Upper
42 100
72 45.4 30.0 45.0#
71 42.7 28.3 42.5#



#33
1,2-Dichloroethane-d4
Concen: 50.901 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082877.D
Acq: 11 Jul 2024 15:32

Tgt Ion: 65 Resp: 88096
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.4

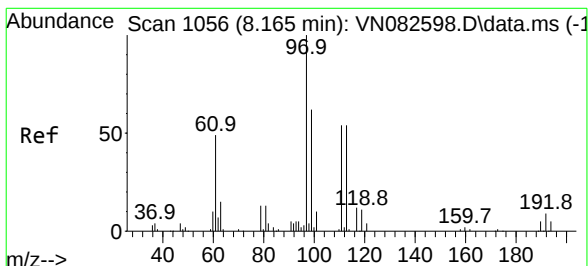
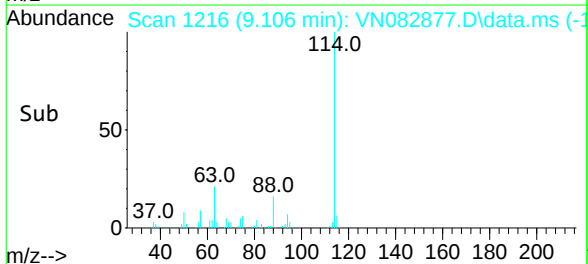
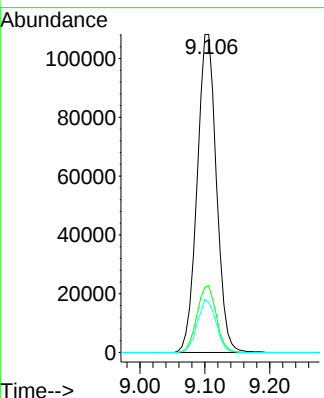
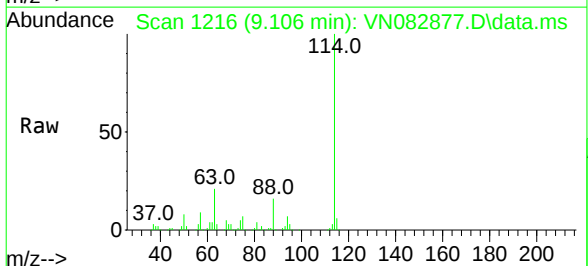




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN082877.D
 Acq: 11 Jul 2024 15:32

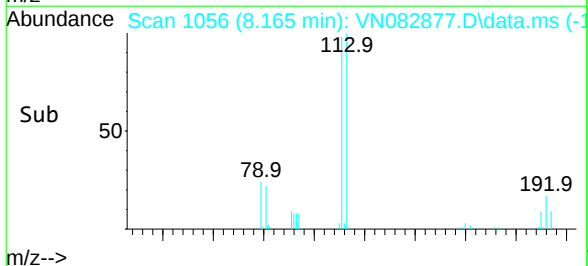
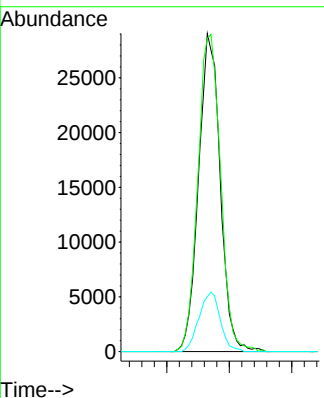
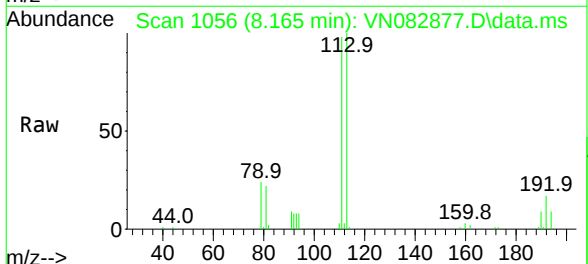
Instrument :
 MSVOA_N
 ClientSampleId :
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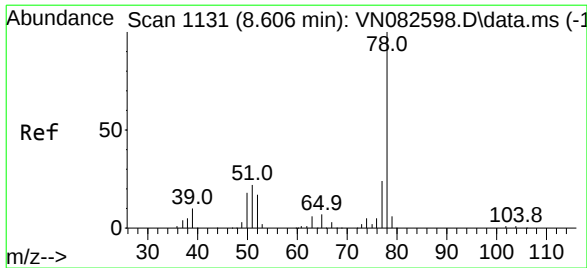
Tgt Ion:	114	Resp:	223197
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.6
88	15.8	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 48.718 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN082877.D
 Acq: 11 Jul 2024 15:32

Tgt Ion:	113	Resp:	69774
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.4	123.6
192	18.4	14.9	22.3

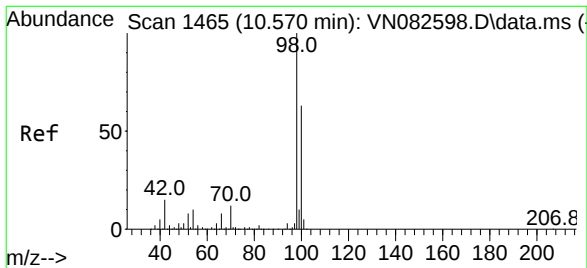
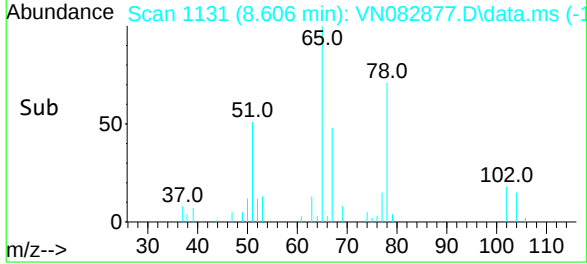
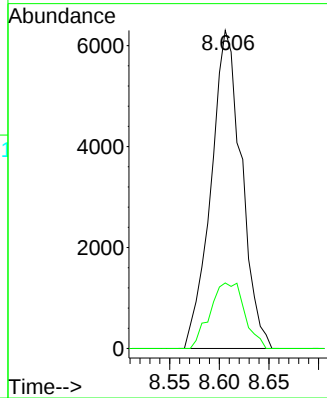
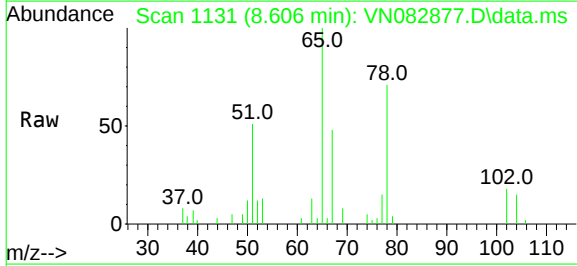




#40
Benzene
Concen: 2.224 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN082877.D
Acq: 11 Jul 2024 15:32

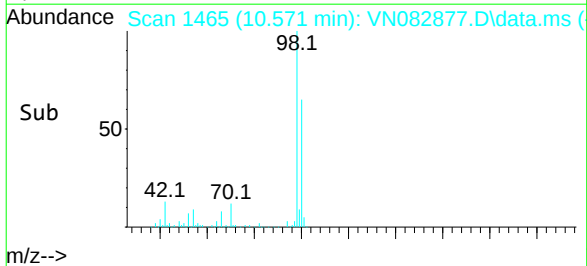
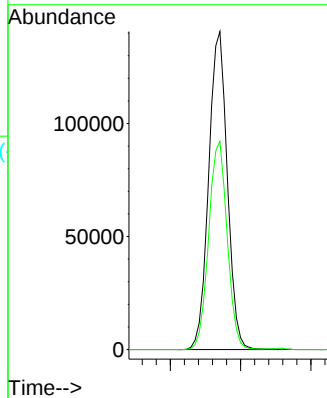
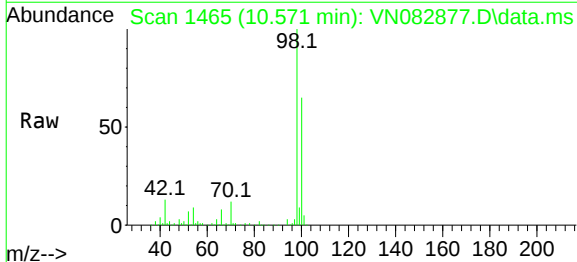
Instrument :
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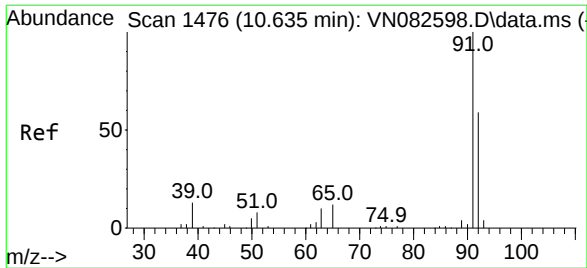
Tgt Ion: 78 Resp: 13506
Ion Ratio Lower Upper
78 100
77 20.6 19.0 28.4



#50
Toluene-d8
Concen: 48.942 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082877.D
Acq: 11 Jul 2024 15:32

Tgt Ion: 98 Resp: 258892
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3





#52

Toluene

Concen: 1.106 ug/l

RT: 10.629 min Scan# 14

Delta R.T. -0.006 min

Lab File: VN082877.D

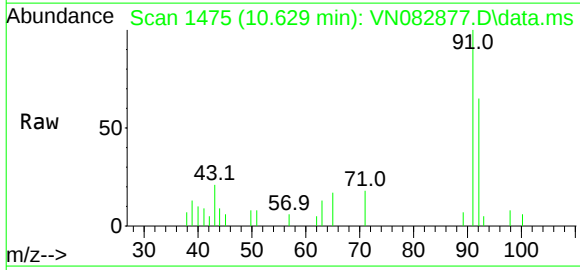
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Instrument :

MSVOA_N

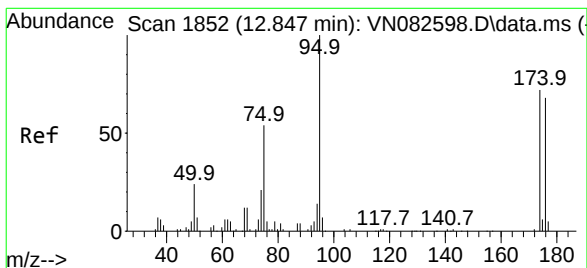
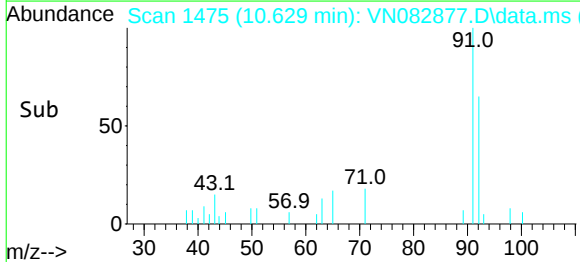
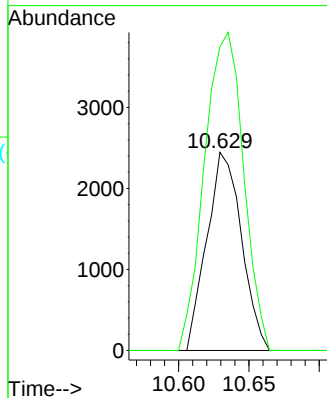
ClientSampleId :

240710079-02



Tgt Ion: 92 Resp: 4197

Ion	Ratio	Lower	Upper
92	100		
91	180.5	139.4	209.0



#62

4-Bromofluorobenzene

Concen: 50.276 ug/l

RT: 12.847 min Scan# 1852

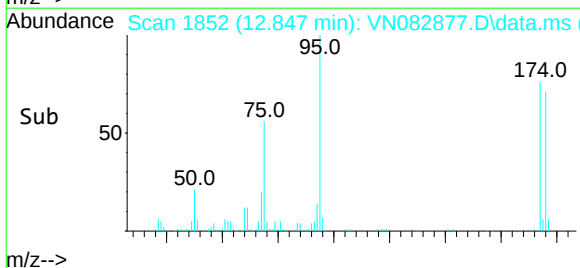
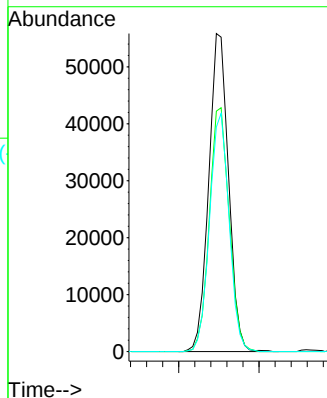
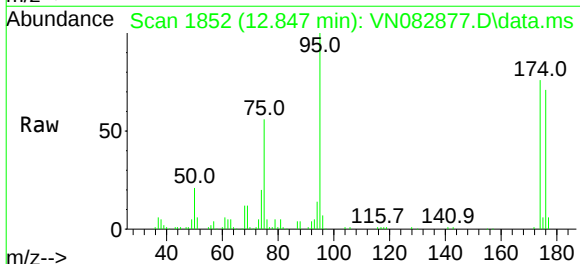
Delta R.T. -0.000 min

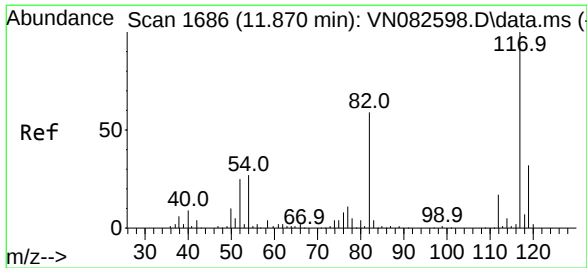
Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

Tgt Ion: 95 Resp: 95532

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	159.2
176	73.8	0.0	147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.005 min

Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

240710079-02

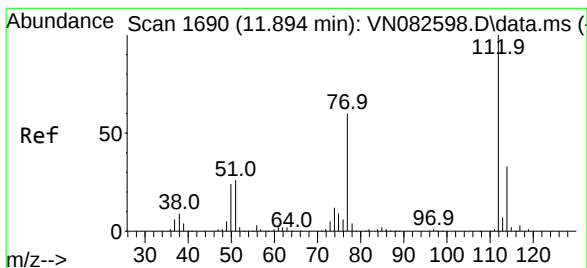
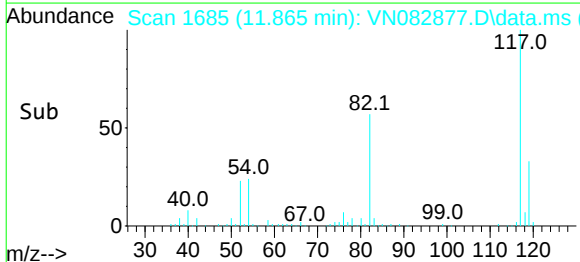
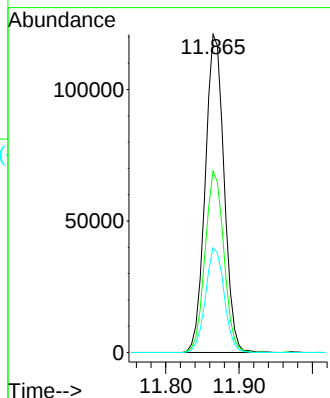
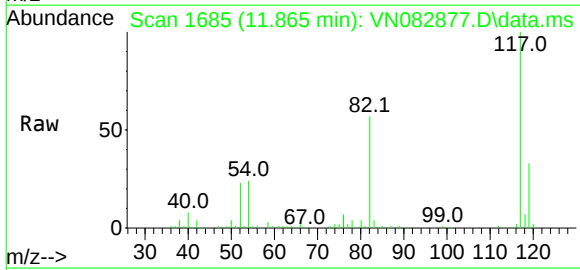
Tgt Ion:117 Resp: 215665

Ion Ratio Lower Upper

117 100

82 57.0 47.5 71.3

119 32.9 25.6 38.4



#65

Chlorobenzene

Concen: 10.564 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. -0.000 min

Lab File: VN082877.D

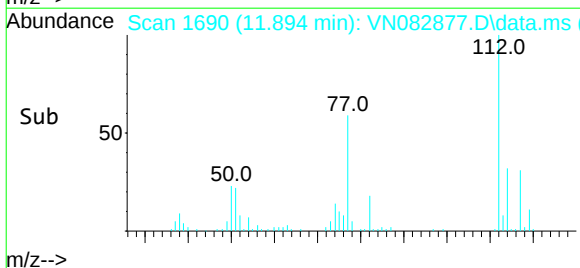
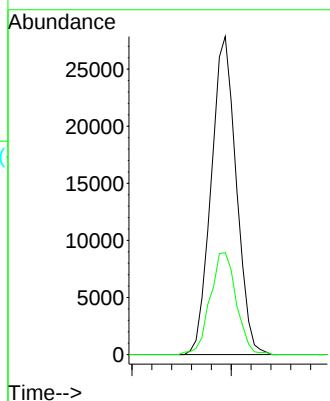
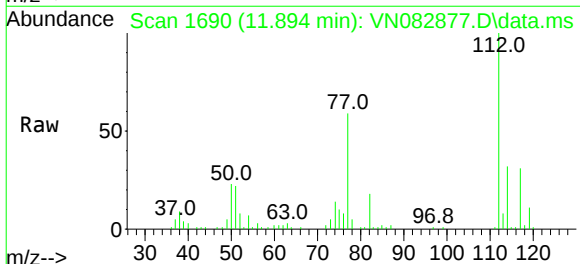
Acq: 11 Jul 2024 15:32

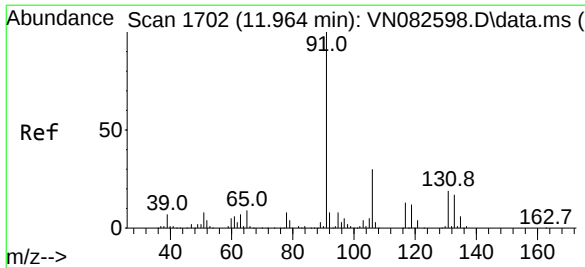
Tgt Ion:112 Resp: 48822

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.2





#67

Ethyl Benzene

Concen: 9.006 ug/l

RT: 11.965 min Scan# 17

Delta R.T. 0.001 min

Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

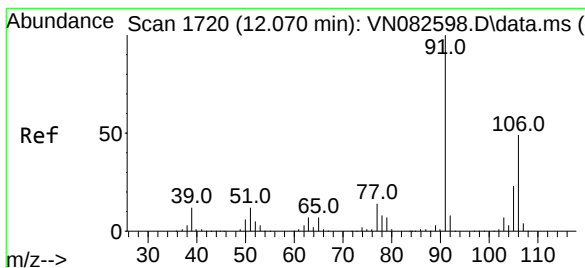
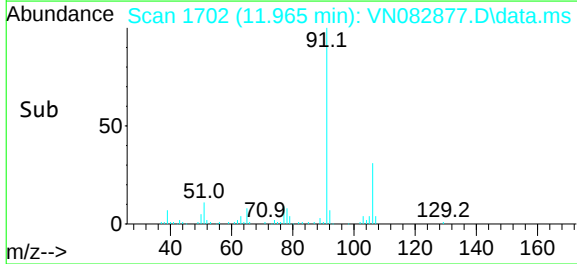
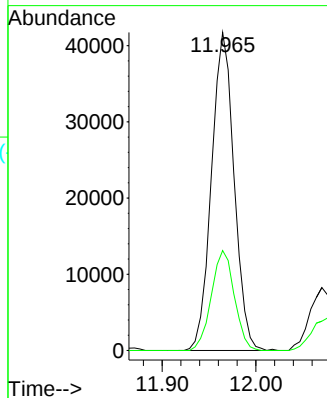
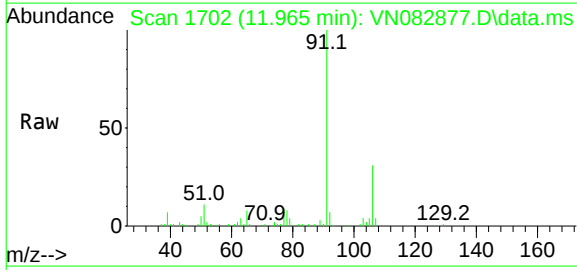
240710079-02

Tgt Ion: 91 Resp: 69948

Ion Ratio Lower Upper

91 100

106 31.4 24.0 36.0



#68

m/p-Xylenes

Concen: 2.768 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.006 min

Lab File: VN082877.D

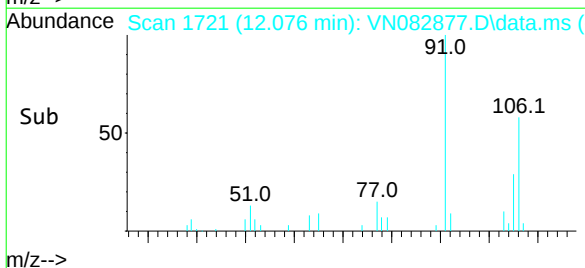
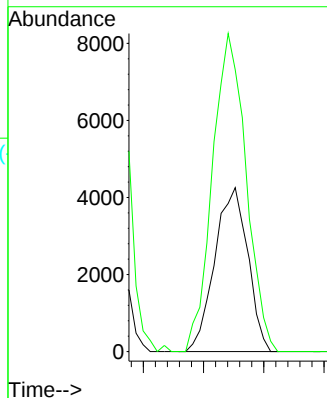
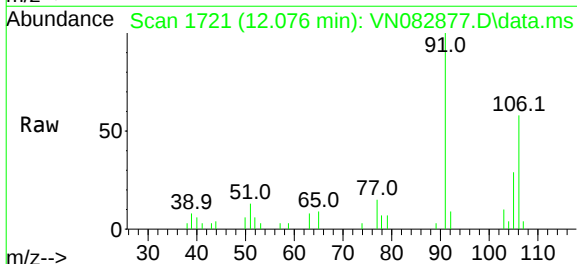
Acq: 11 Jul 2024 15:32

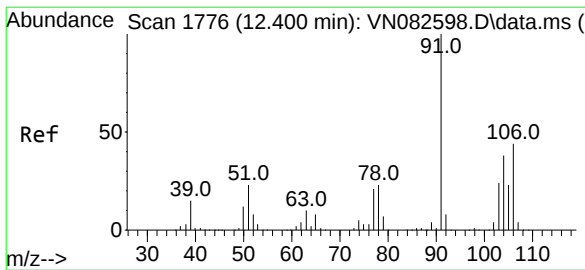
Tgt Ion: 106 Resp: 8117

Ion Ratio Lower Upper

106 100

91 197.8 166.1 249.1





#69

o-Xylene

Concen: 3.274 ug/l

RT: 12.400 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

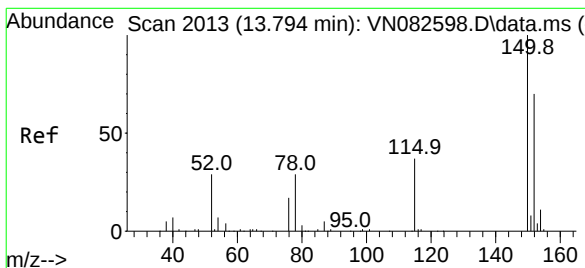
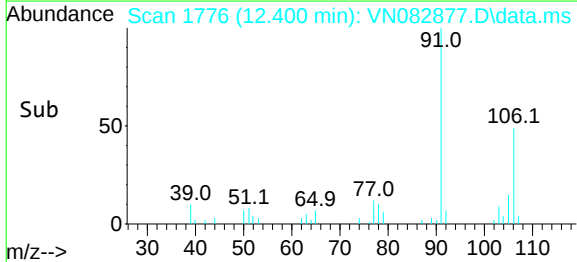
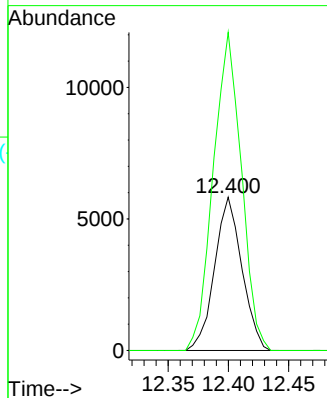
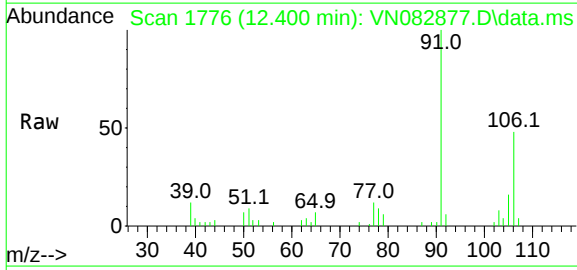
240710079-02

Tgt Ion:106 Resp: 9199

Ion Ratio Lower Upper

106 100

91 213.1 111.3 333.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

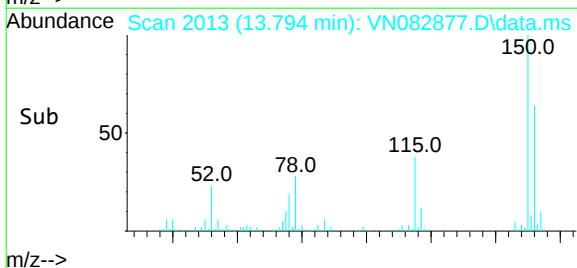
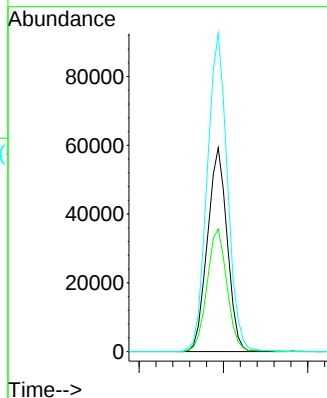
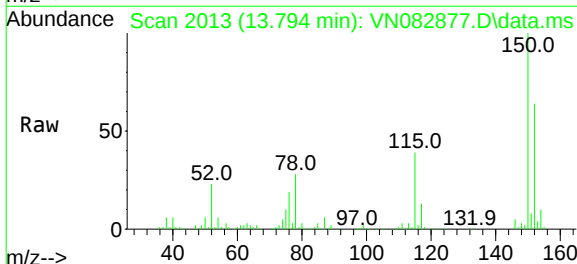
Tgt Ion:152 Resp: 96466

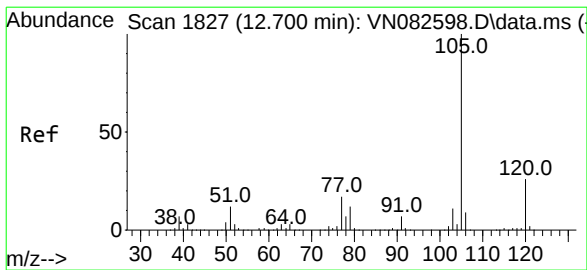
Ion Ratio Lower Upper

152 100

115 61.1 30.6 91.6

150 159.9 0.0 348.6





#73

Isopropylbenzene

Concen: 1.699 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

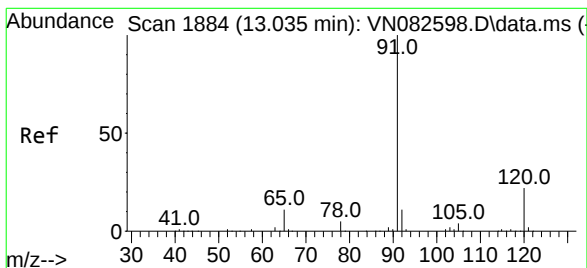
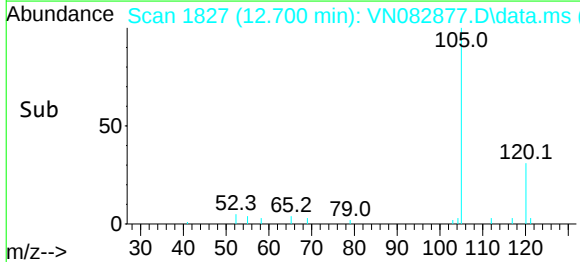
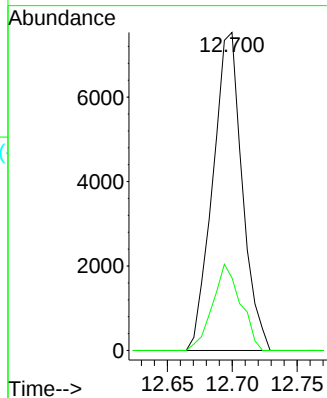
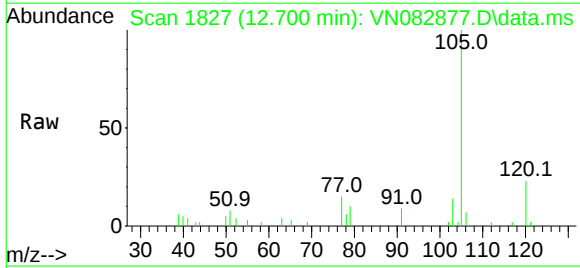
240710079-02

Tgt Ion: 105 Resp: 11906

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.6



#78

n-propylbenzene

Concen: 1.065 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN082877.D

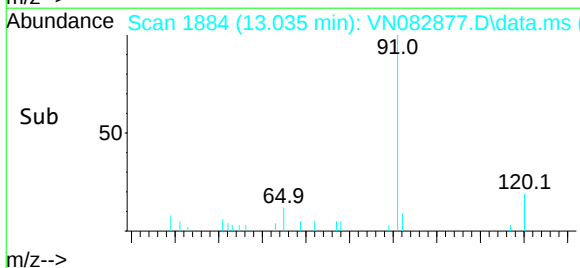
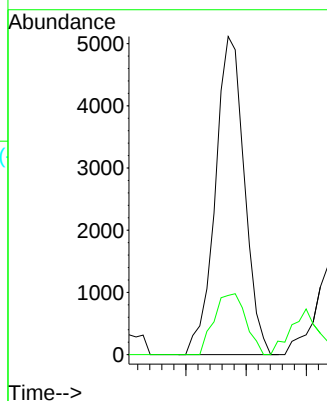
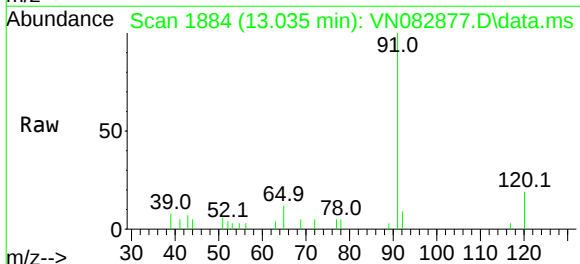
Acq: 11 Jul 2024 15:32

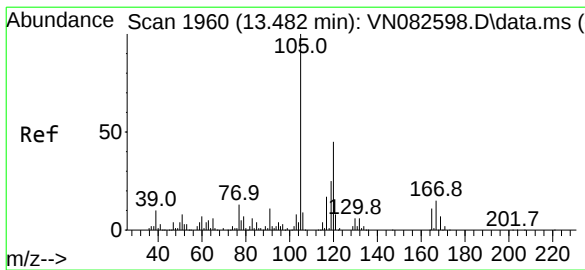
Tgt Ion: 91 Resp: 8585

Ion Ratio Lower Upper

91 100

120 20.9 10.9 32.9





#84

1,2,4-Trimethylbenzene

Concen: 2.153 ug/l

RT: 13.482 min Scan# 19

Delta R.T. 0.000 min

Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

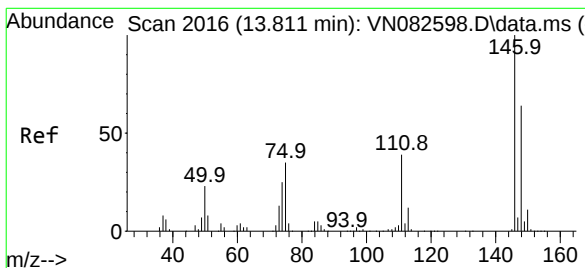
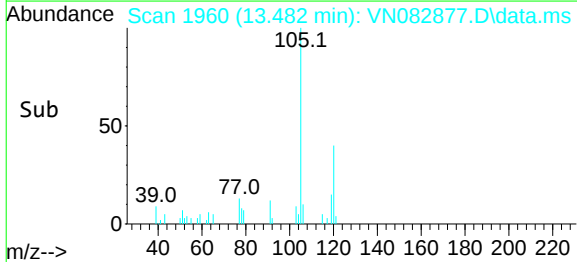
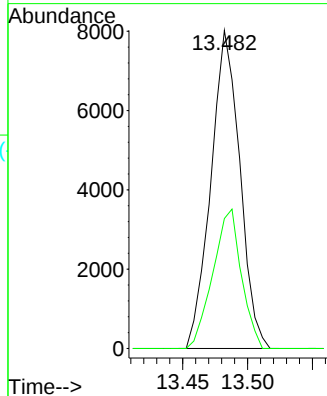
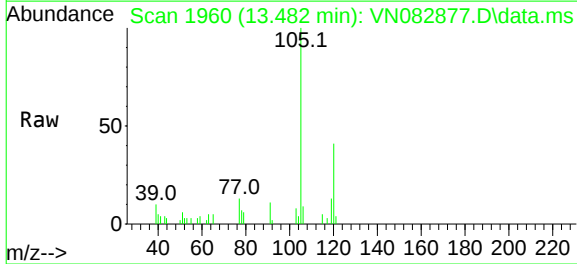
240710079-02

Tgt Ion:105 Resp: 12432

Ion Ratio Lower Upper

105 100

120 43.1 21.9 65.8



#88

1,4-Dichlorobenzene

Concen: 9.522 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.006 min

Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

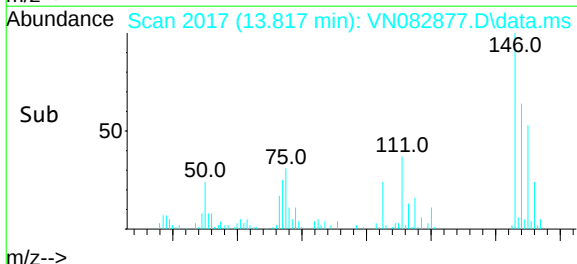
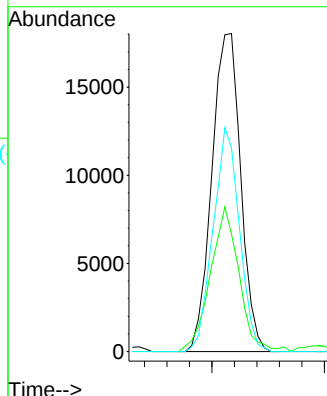
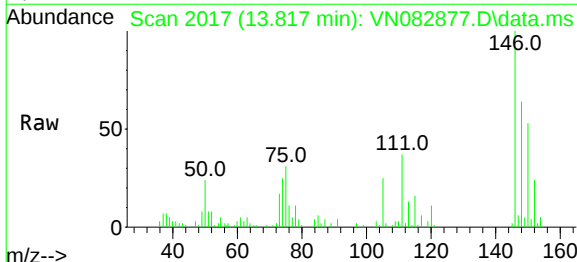
Tgt Ion:146 Resp: 32168

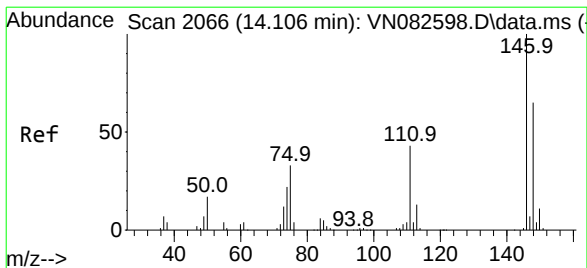
Ion Ratio Lower Upper

146 100

111 45.2 20.1 60.3

148 64.2 32.2 96.6





#91

1,2-Dichlorobenzene

Concen: 0.629 ug/l

RT: 14.111 min Scan# 2066

Delta R.T. 0.005 min

Lab File: VN082877.D

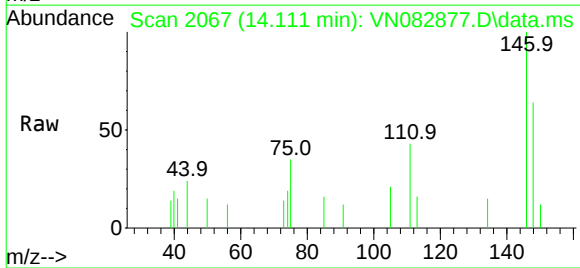
Acq: 11 Jul 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

240710079-02



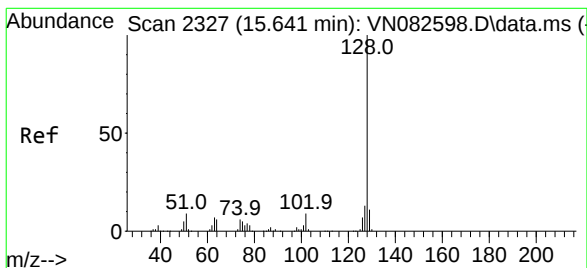
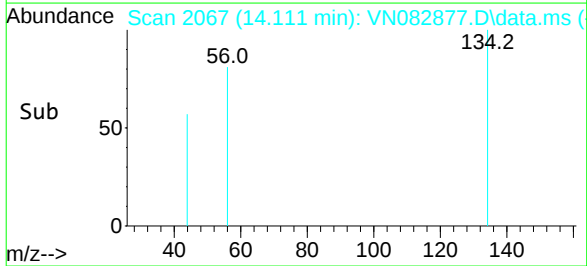
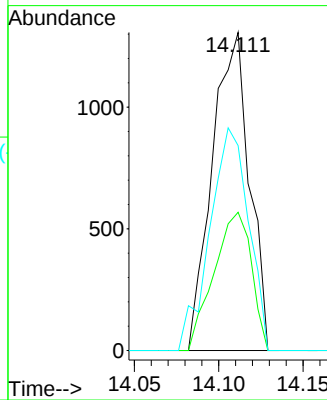
Tgt Ion:146 Resp: 1994

Ion Ratio Lower Upper

146 100

111 44.0 21.4 64.2

148 73.3 32.1 96.5



#95

Naphthalene

Concen: 9.604 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082877.D

Acq: 11 Jul 2024 15:32

Tgt Ion:128 Resp: 56201

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.5 8.6 12.8

