

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078914.D
 Acq On : 16 Aug 2023 19:43
 Operator : JC\MD
 Sample : 03983-03
 Misc : 1.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1625

Quant Time: Aug 17 01:22:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	182163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	322640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	301367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	127846	45.102	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.200%
35) Dibromofluoromethane	8.171	113	104676	48.197	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.400%
50) Toluene-d8	10.571	98	396593	49.179	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.360%
62) 4-Bromofluorobenzene	12.853	95	135990	51.592	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2223	0.630	ug/l	92
6) Chloroethane	3.112	64	442	0.204	ug/l #	43
11) Tert butyl alcohol	5.489	59	7499	15.766	ug/l #	72
16) Acetone	4.465	43	1338	1.144	ug/l #	40
17) Carbon Disulfide	4.659	76	16476	3.010	ug/l	99
18) Methyl Acetate	5.036	43	20729	4.195	ug/l #	83
25) 2-Butanone	7.506	43	488	0.260	ug/l #	37
29) Tetrahydrofuran	7.853	42	826	0.665	ug/l #	35
31) Cyclohexane	8.218	56	7311	Below Cal	#	62
36) 1,1-Dichloropropene	8.224	75	16235	4.969	ug/l #	45
38) Carbon Tetrachloride	8.224	117	19037	5.816	ug/l #	16
39) Methylcyclohexane	9.600	83	2758	0.918	ug/l #	60
41) Methacrylonitrile	7.859	41	579	0.291	ug/l #	33
43) Isopropyl Acetate	8.677	43	9662	1.495	ug/l #	52
51) 4-Methyl-2-Pentanone	10.453	43	969	0.253	ug/l #	31
52) Toluene	10.635	92	204861	34.554	ug/l	96
55) 1,1,2-Trichloroethane	11.006	97	845	0.355	ug/l #	16
59) 2-Hexanone	11.200	43	1305	0.470	ug/l #	24
67) Ethyl Benzene	11.971	91	24040	2.061	ug/l	96
68) m/p-Xylenes	12.071	106	24663	5.655	ug/l	93
69) o-Xylene	12.406	106	11867	2.797	ug/l	92
70) Styrene	12.412	104	2878	0.407	ug/l #	46
73) Isopropylbenzene	12.706	105	4734	0.424	ug/l	100
74) N-amyl acetate	12.482	43	1899	0.337	ug/l #	59
76) 1,2,3-Trichloropropane	12.853	75	77648	24.055	ug/l #	1
77) Bromobenzene	12.859	156	820	0.305	ug/l #	4
78) n-propylbenzene	13.035	91	15572	1.202	ug/l	96
79) 2-Chlorotoluene	13.141	91	1797	0.224	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.176	105	19324	2.183	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.853	75	77648	61.451	ug/l #	15
82) 4-Chlorotoluene	13.182	91	2409	0.306	ug/l #	41
83) tert-Butylbenzene	13.488	119	10583	1.423	ug/l #	75
84) 1,2,4-Trimethylbenzene	13.488	105	78521	8.958	ug/l	96
85) sec-Butylbenzene	13.618	105	5654	0.552	ug/l #	65
86) p-Isopropyltoluene	13.735	119	4966	0.607	ug/l	97
89) n-Butylbenzene	14.059	91	11872	1.764	ug/l #	75

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QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

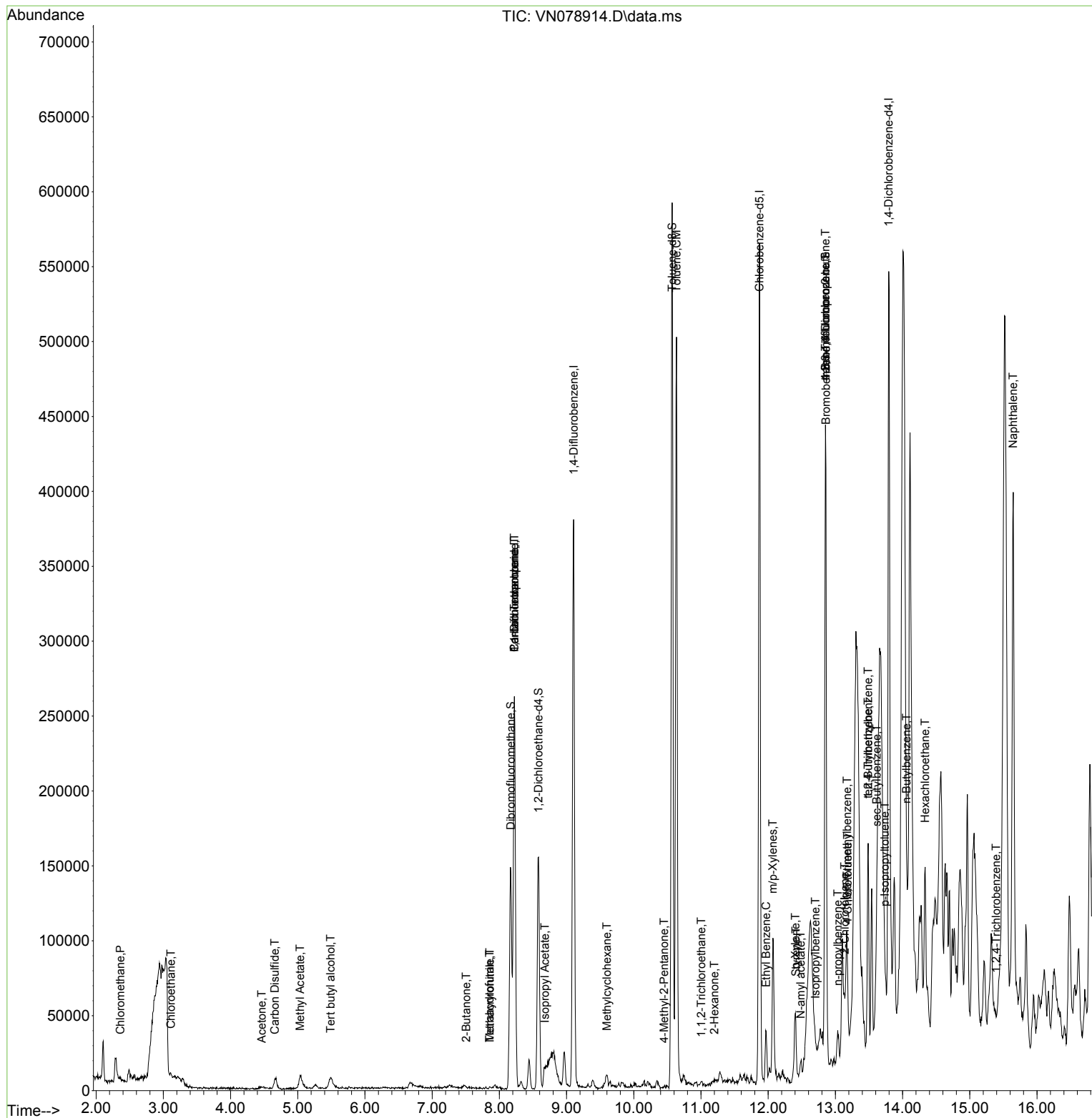
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	14.335	117	5223	3.186	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.694	75	836	Below Cal	#	36
93) 1,2,4-Trichlorobenzene	15.394	180	428	0.263	ug/l #	1
95) Naphthalene	15.647	128	278318	45.336	ug/l	97

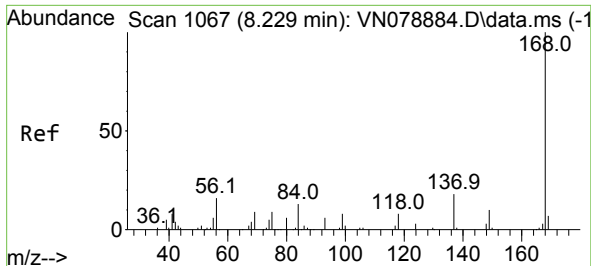
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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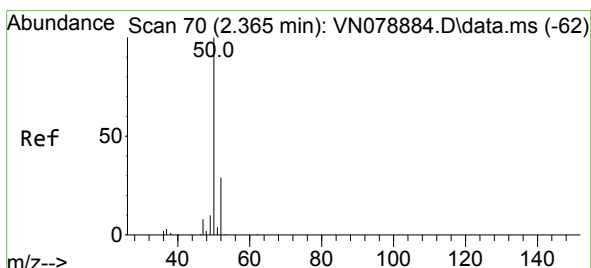
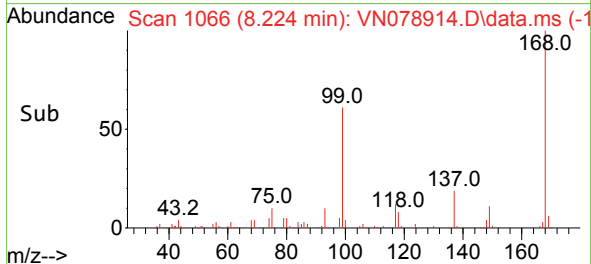
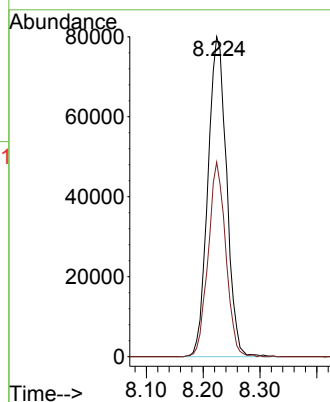
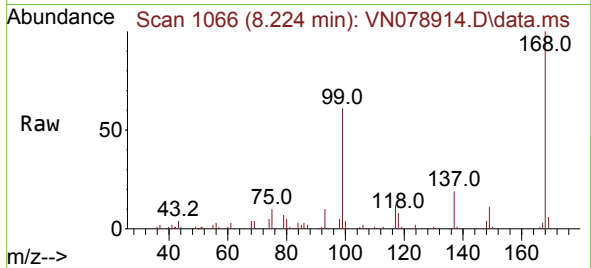




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

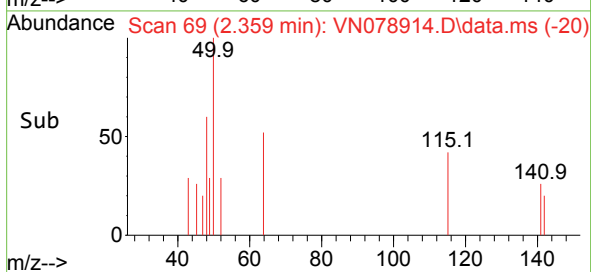
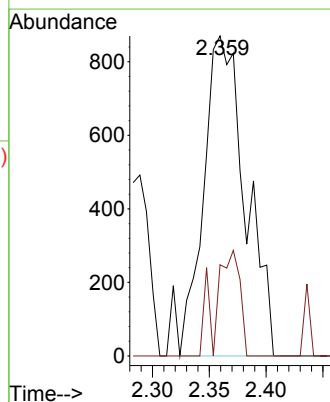
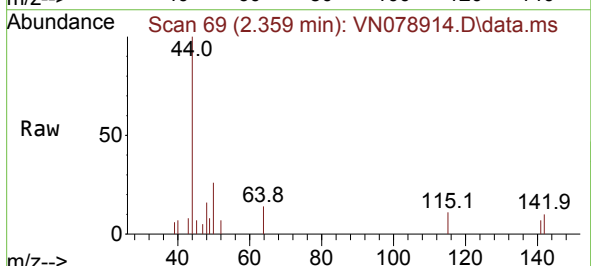
Instrument :
MSVOA_N
ClientSampleId :
1625

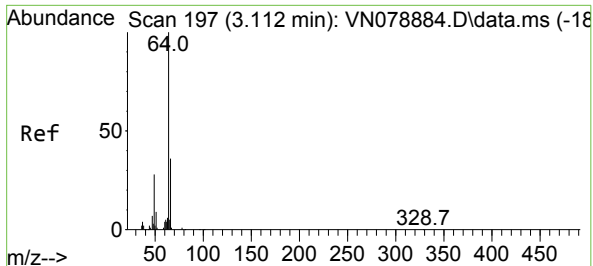
Tgt Ion:168 Resp: 182163
Ion Ratio Lower Upper
168 100
99 60.8 53.0 79.6



#3
Chloromethane
Concen: 0.630 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.012 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion: 50 Resp: 2223
Ion Ratio Lower Upper
50 100
52 28.5 26.5 39.7

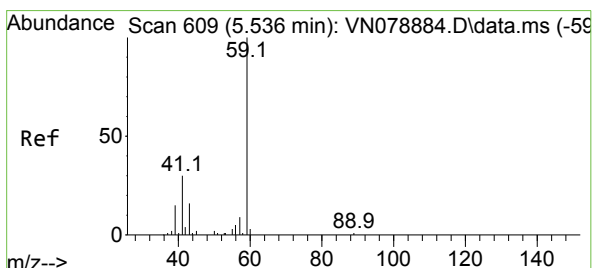
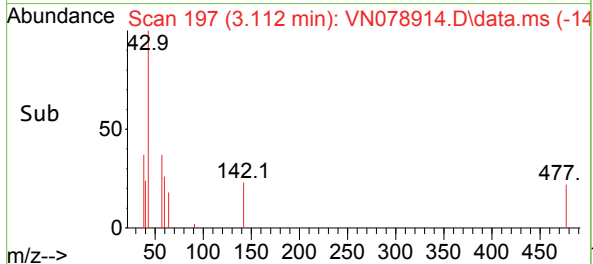
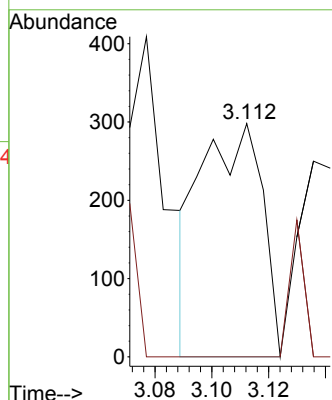
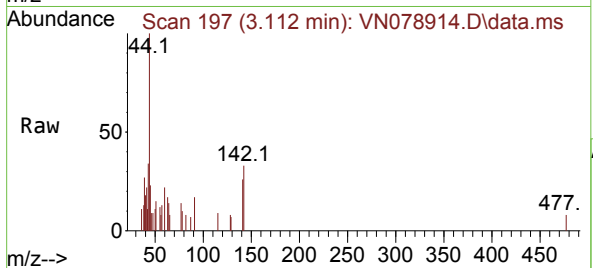




#6
Chloroethane
Concen: 0.204 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

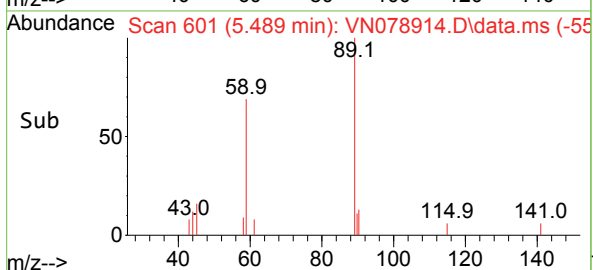
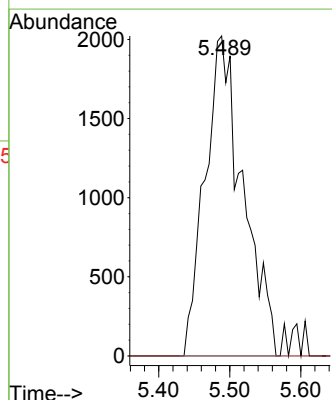
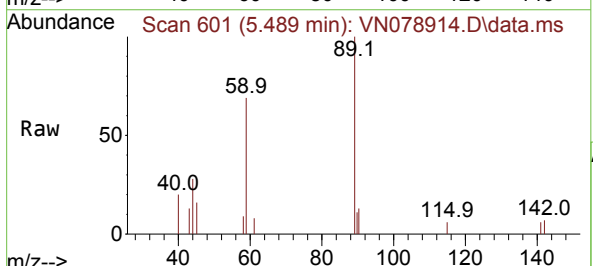
Instrument :
MSVOA_N
ClientSampleId :
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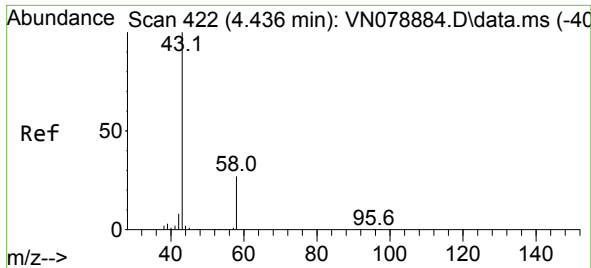
Tgt Ion: 64 Resp: 442
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 15.766 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.053 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion: 59 Resp: 7499
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.144 ug/l

RT: 4.465 min Scan# 41

Delta R.T. 0.023 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

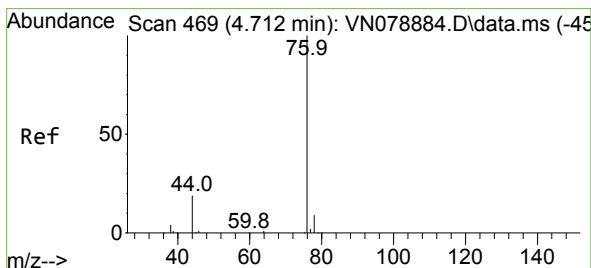
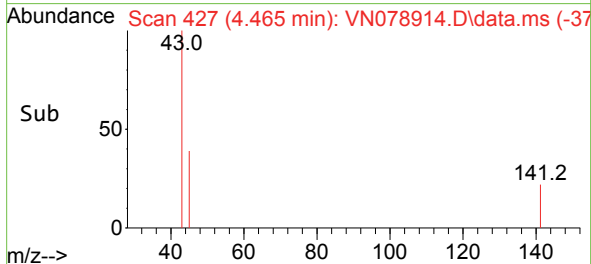
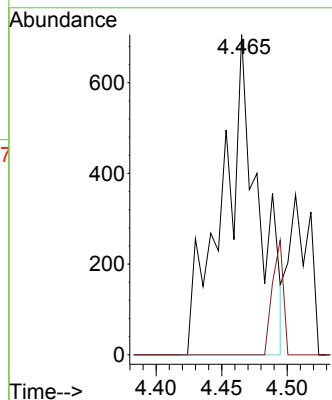
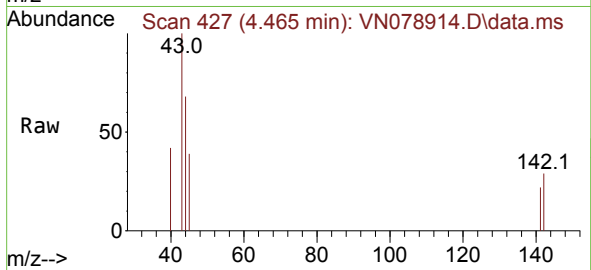
1625

Tgt Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#17

Carbon Disulfide

Concen: 3.010 ug/l

RT: 4.659 min Scan# 460

Delta R.T. -0.065 min

Lab File: VN078914.D

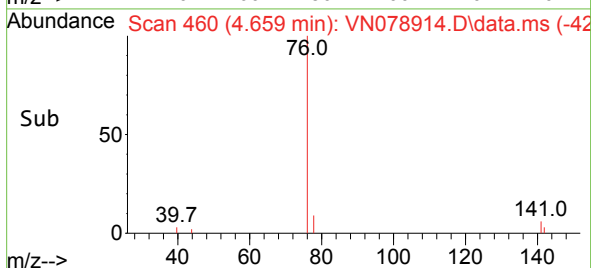
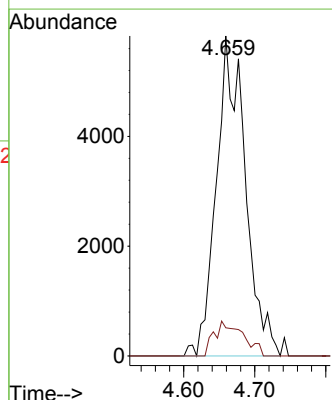
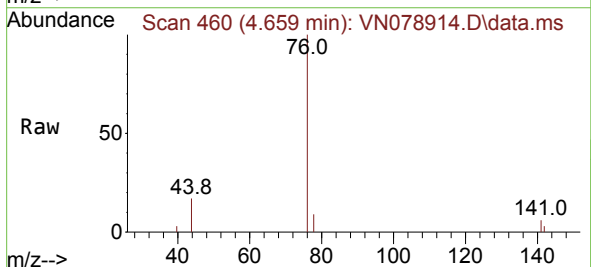
Acq: 16 Aug 2023 19:43

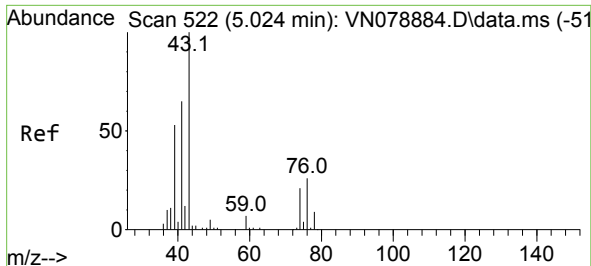
Tgt Ion: 76 Resp: 16476

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

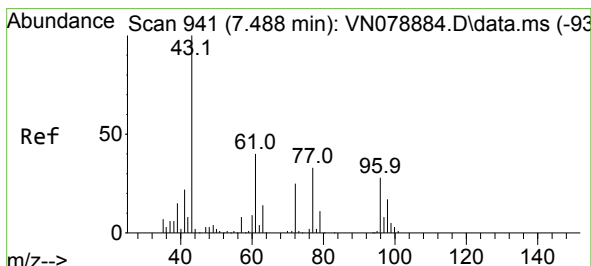
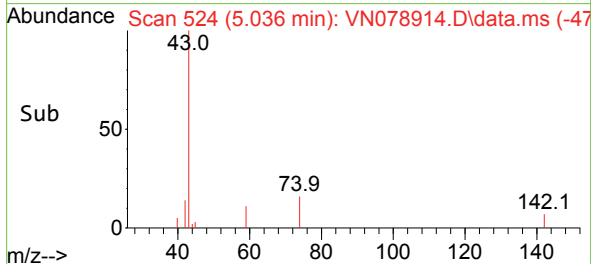
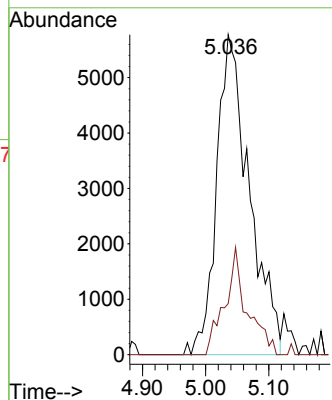
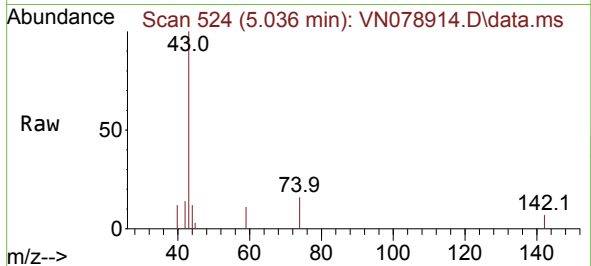




#18
Methyl Acetate
Concen: 4.195 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

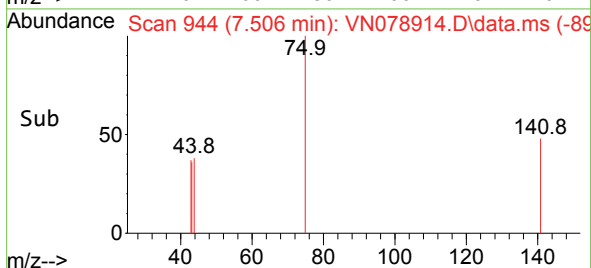
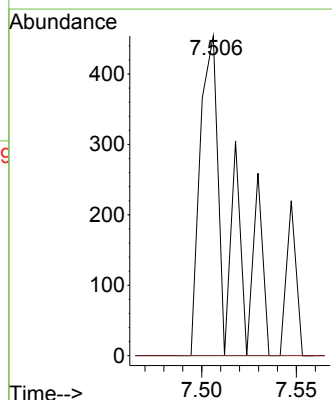
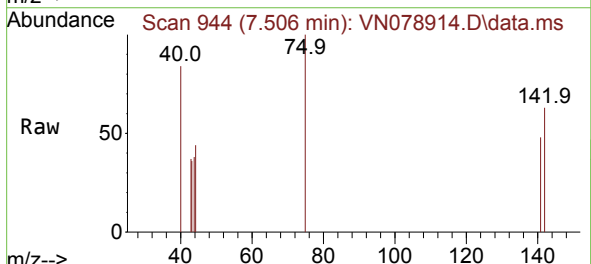
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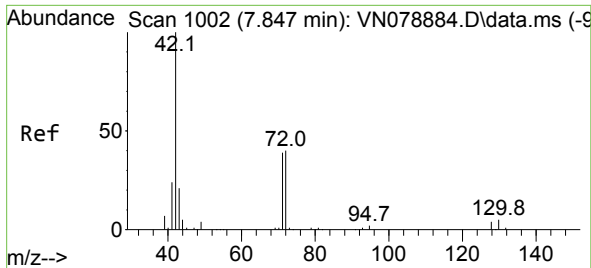
Tgt Ion: 43 Resp: 20729
Ion Ratio Lower Upper
43 100
74 23.0 26.2 39.4#



#25
2-Butanone
Concen: 0.260 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#

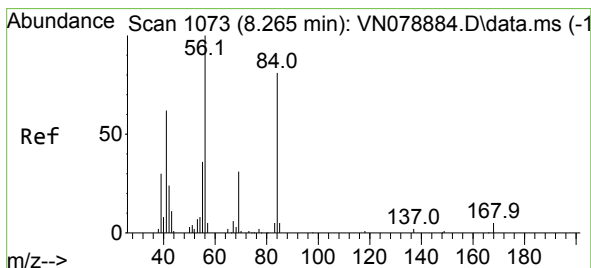
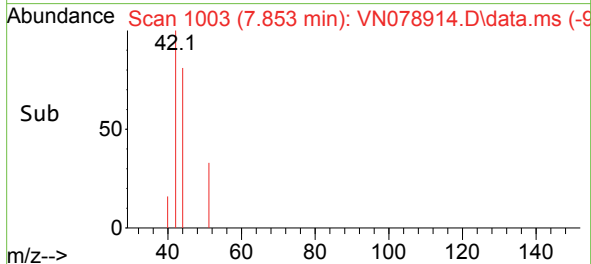
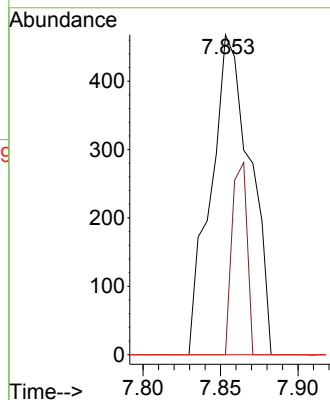
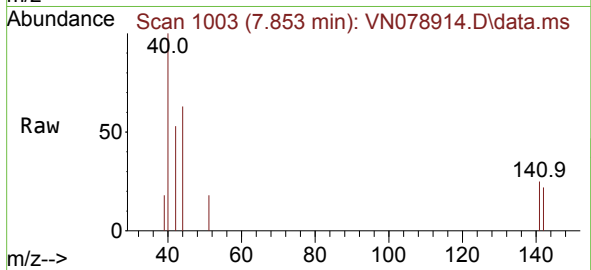




#29
Tetrahydrofuran
Concen: 0.665 ug/l
RT: 7.853 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

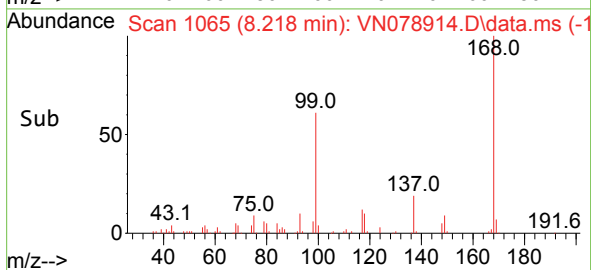
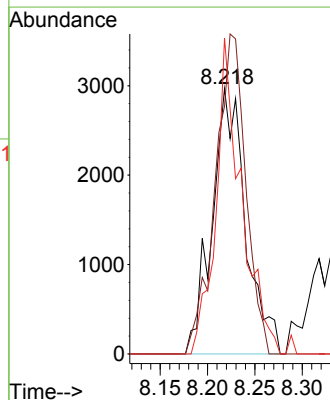
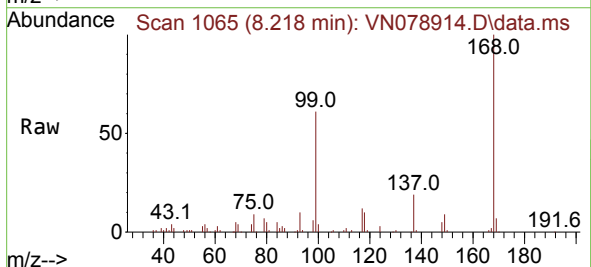
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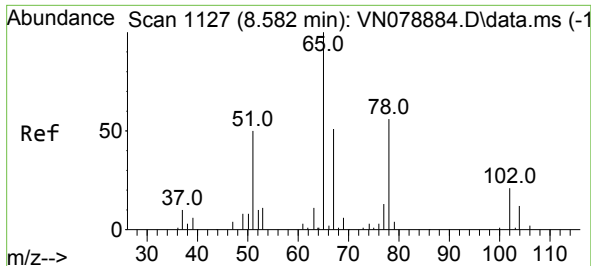
Tgt Ion:	42	Resp:	826
Ion	Ratio	Lower	Upper
42	100		
72	22.9	49.8	74.6#
71	0.0	47.4	71.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.218 min Scan# 1065
Delta R.T. -0.047 min
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Tgt Ion:	56	Resp:	7311
Ion	Ratio	Lower	Upper
56	100		
69	93.3	26.8	40.2#
84	119.1	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 45.102 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078914.D

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Instrument :

MSVOA_N

ClientSampleId :

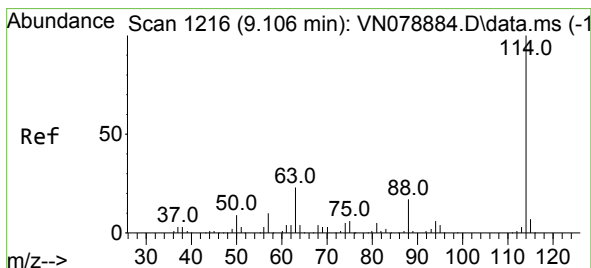
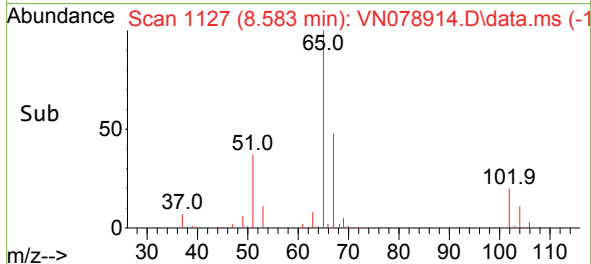
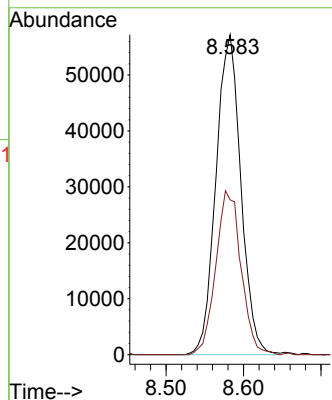
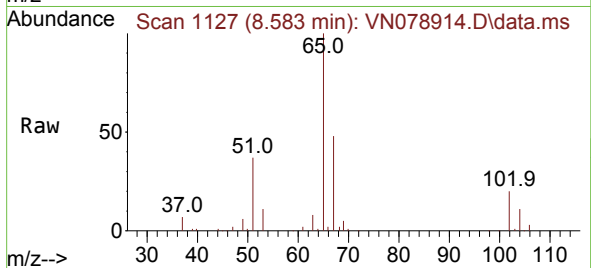
1625

Tgt Ion: 65 Resp: 127846

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

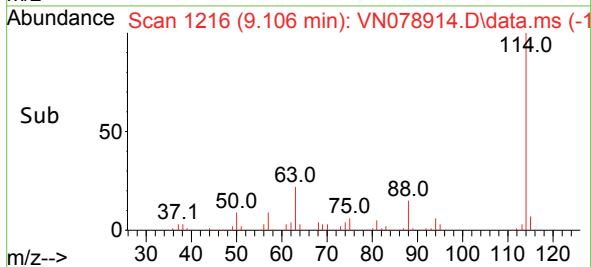
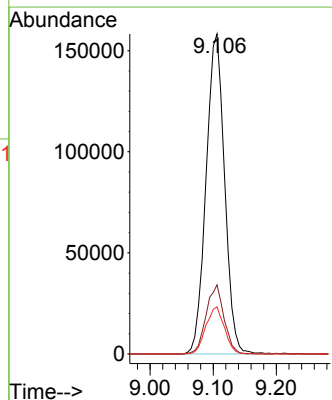
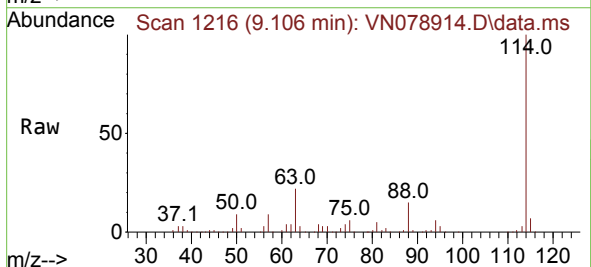
Tgt Ion: 114 Resp: 322640

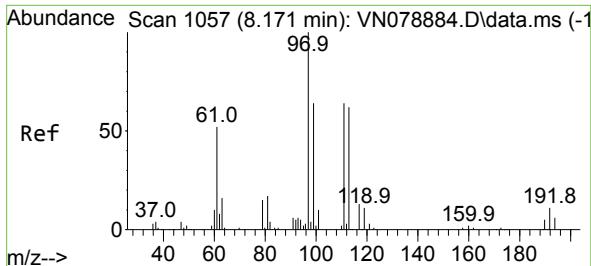
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.197 ug/l

RT: 8.171 min Scan# 1065

Delta R.T. -0.000 min

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Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

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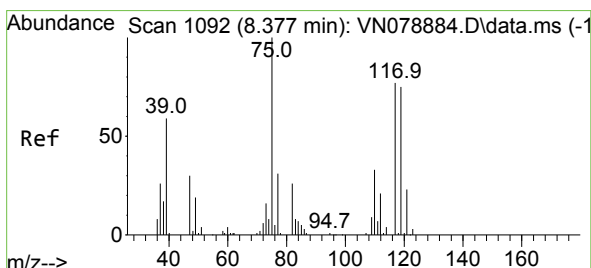
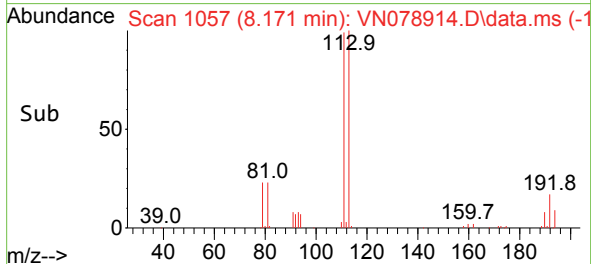
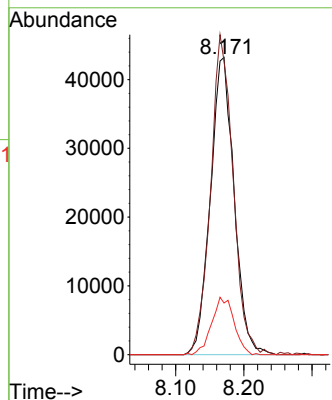
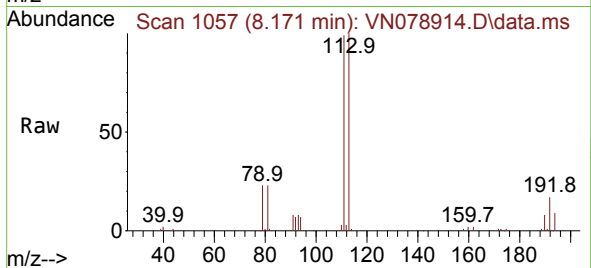
Tgt Ion:113 Resp: 104676

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 18.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.969 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

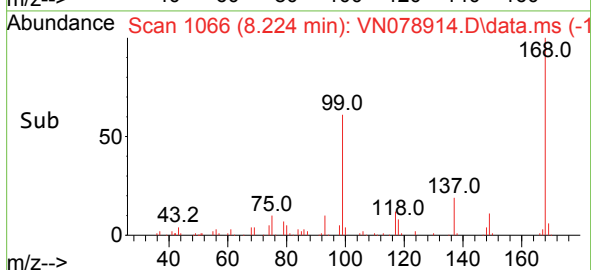
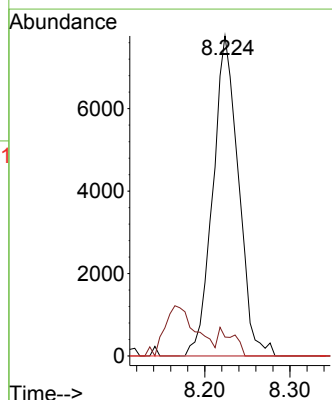
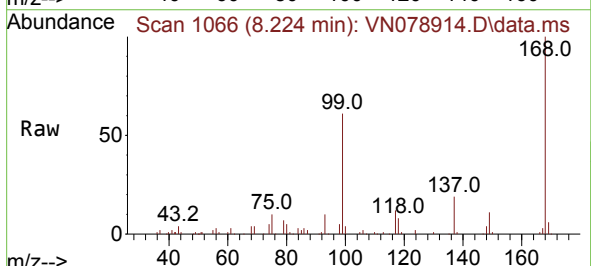
Tgt Ion: 75 Resp: 16235

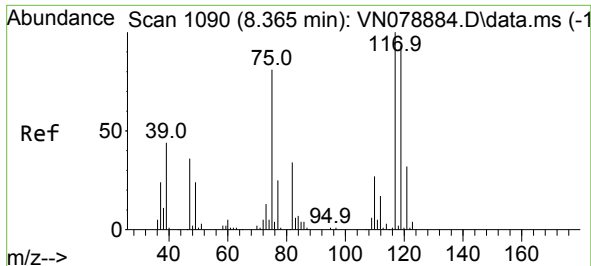
Ion Ratio Lower Upper

75 100

110 5.3 19.1 57.3#

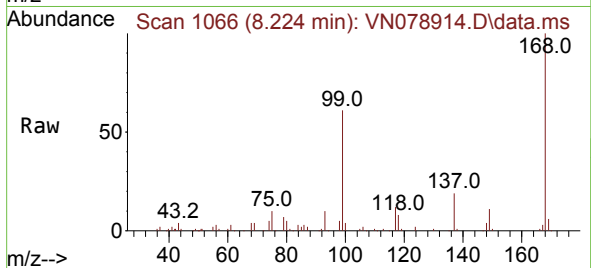
77 0.0 25.0 37.4#



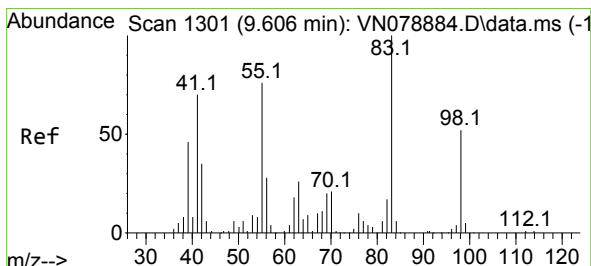
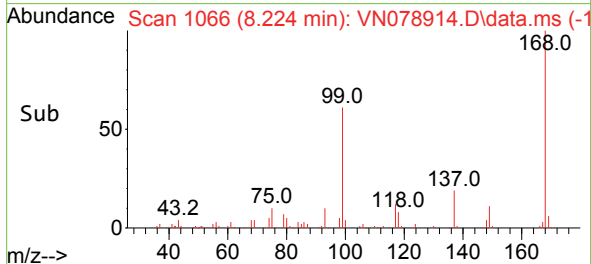
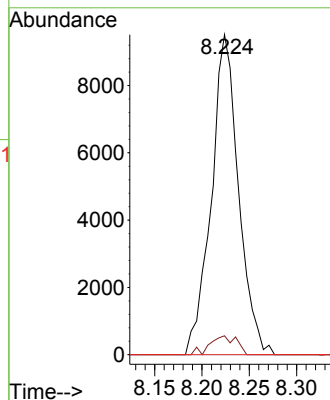


#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Instrument :
MSVOA_N
ClientSampleId :
1625

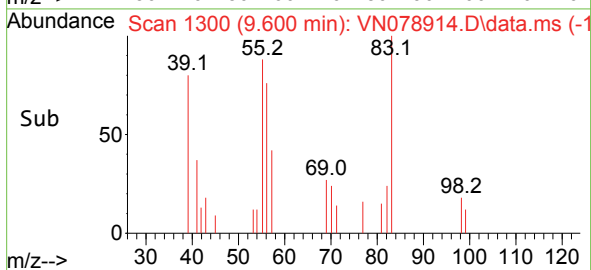
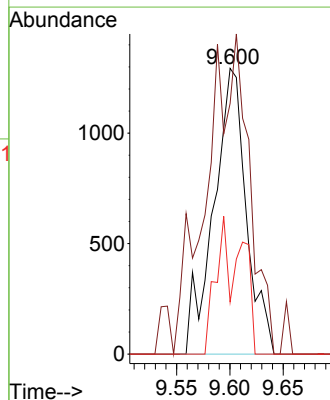
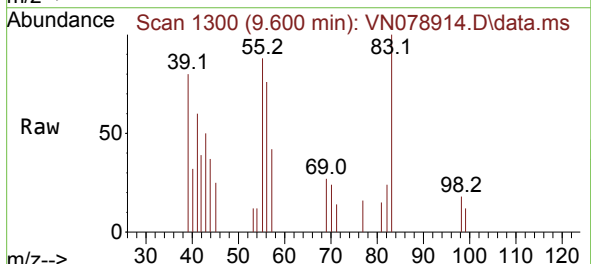


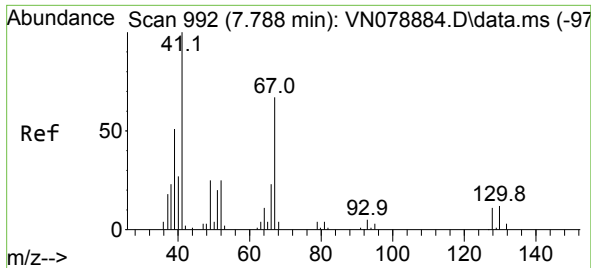
Tgt Ion: 117 Resp: 19037
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 0.918 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.006 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion: 83 Resp: 2758
Ion Ratio Lower Upper
83 100
55 87.8 49.1 73.7#
98 18.3 40.6 61.0#

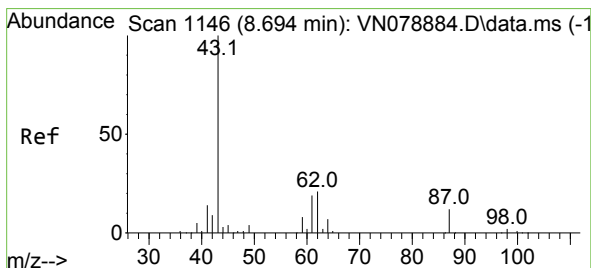
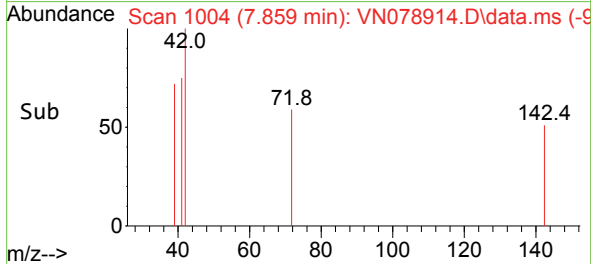
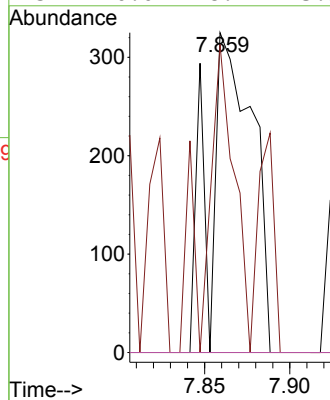
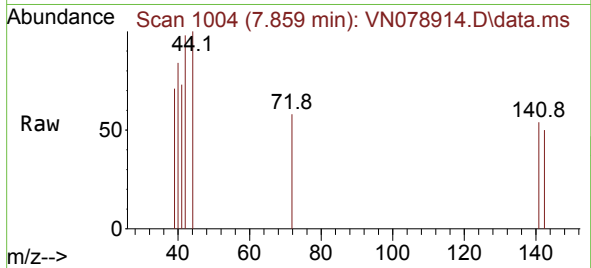




#41
Methacrylonitrile
Concen: 0.291 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.065 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

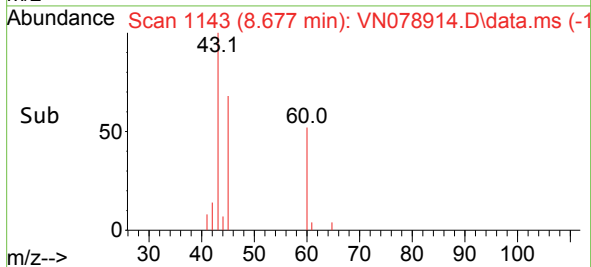
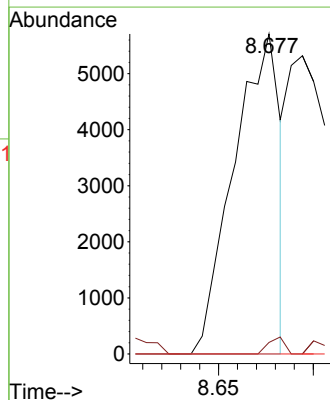
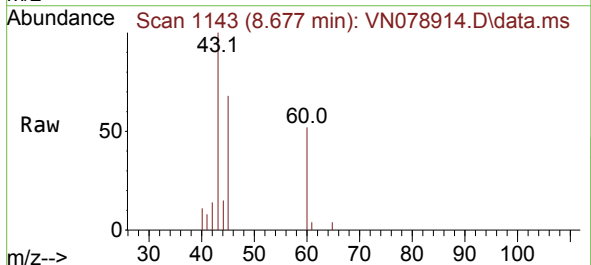
Instrument :
MSVOA_N
ClientSampleId :
1625

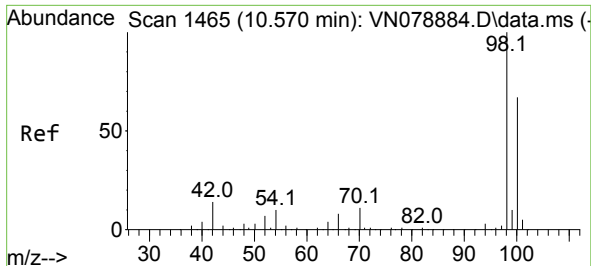
Tgt Ion:	41	Resp:	579
Ion	Ratio	Lower	Upper
41	100		
39	63.6	42.6	64.0
67	0.0	77.5	116.3#
52	0.0	28.9	43.3#



#43
Isopropyl Acetate
Concen: 1.495 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.017 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion:	43	Resp:	9662
Ion	Ratio	Lower	Upper
43	100		
61	1.9	24.7	37.1#
87	0.0	14.6	21.8#

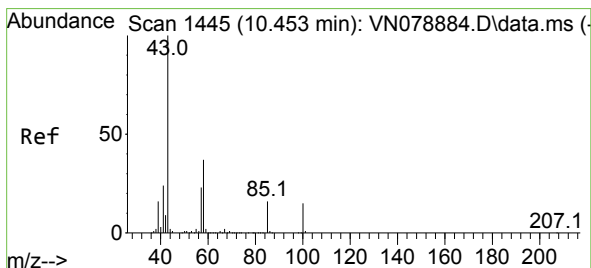
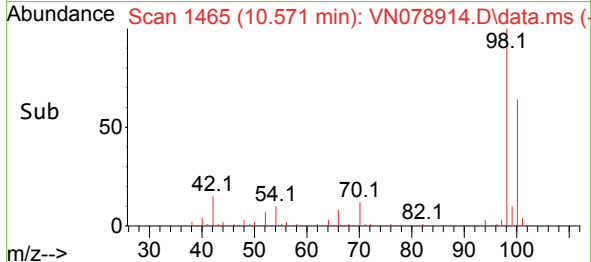
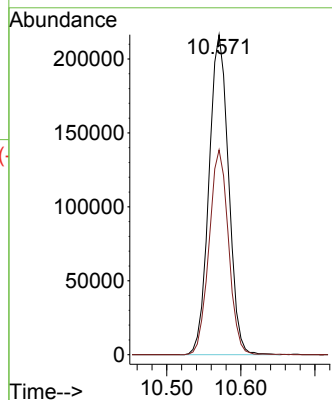
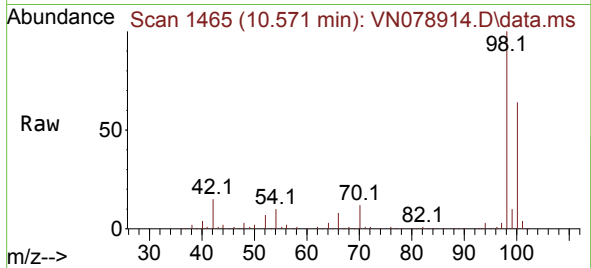




#50
Toluene-d8
Concen: 49.179 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

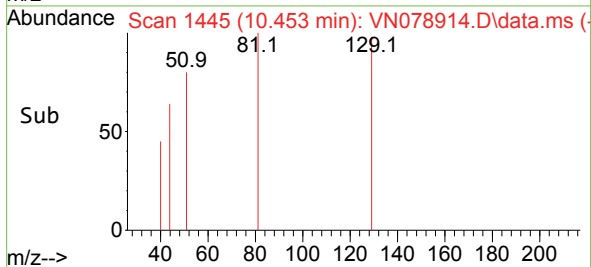
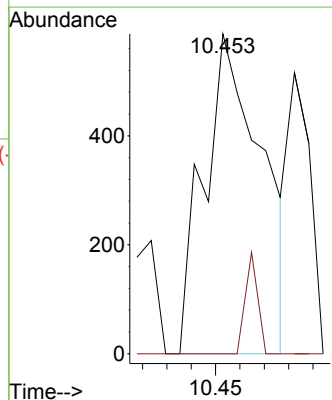
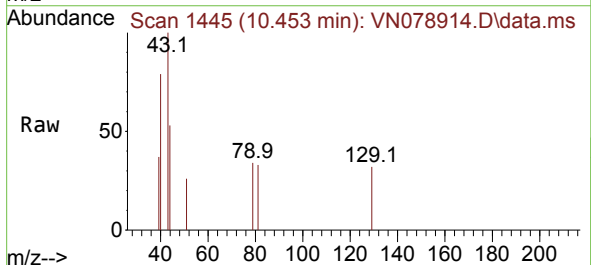
Instrument :
MSVOA_N
ClientSampleId :
1625

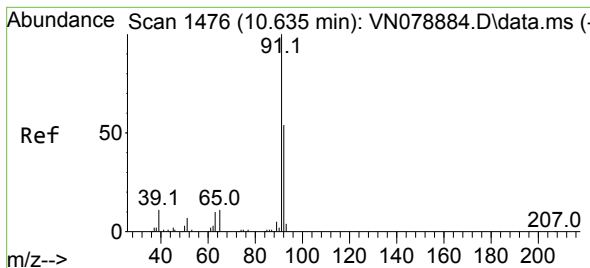
Tgt Ion: 98 Resp: 396593
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.253 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#





#52

Toluene

Concen: 34.554 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

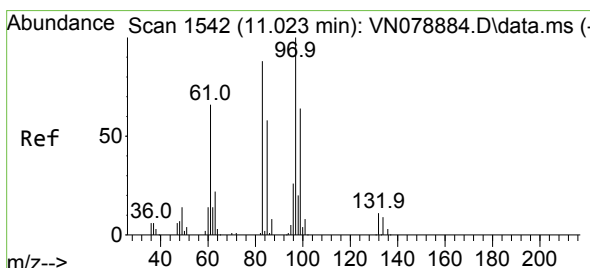
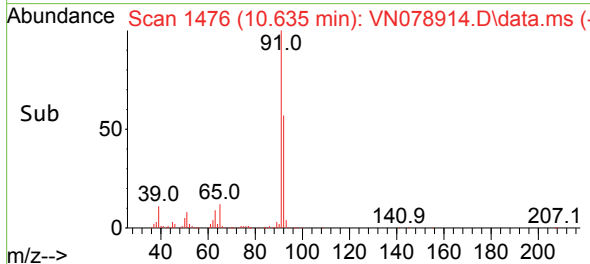
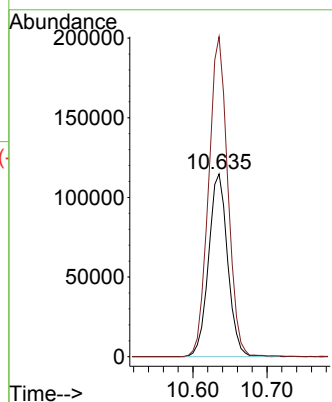
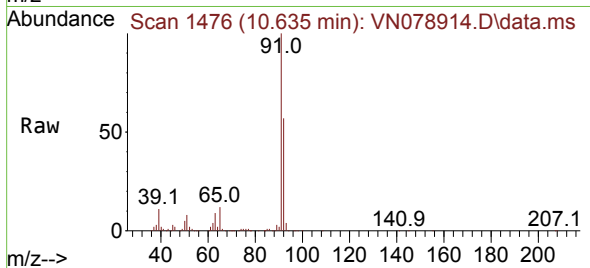
1625

Tgt Ion: 92 Resp: 204861

Ion Ratio Lower Upper

92 100

91 176.6 137.4 206.0



#55

1,1,2-Trichloroethane

Concen: 0.355 ug/l

RT: 11.006 min Scan# 1539

Delta R.T. -0.018 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Tgt Ion: 97 Resp: 845

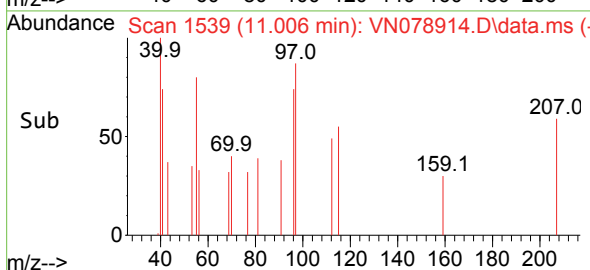
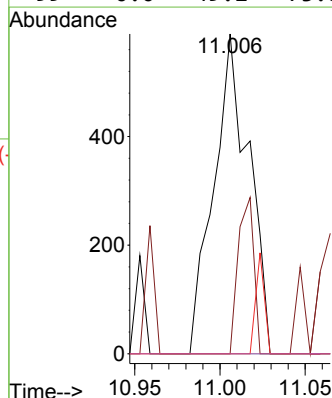
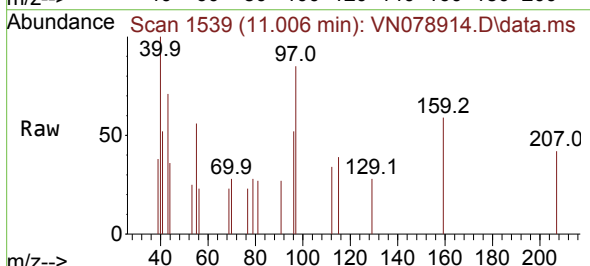
Ion Ratio Lower Upper

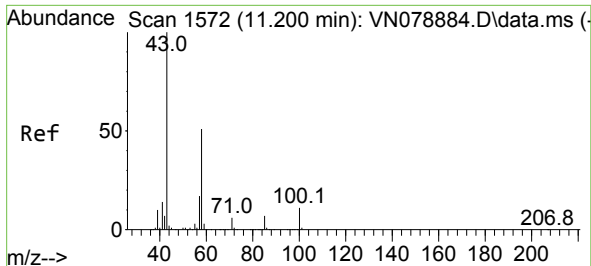
97 100

83 0.0 65.1 97.7#

85 0.0 43.4 65.2#

99 0.0 49.2 73.8#

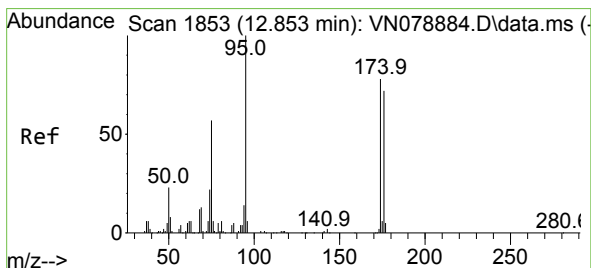
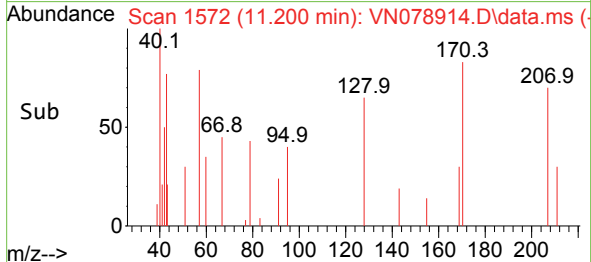
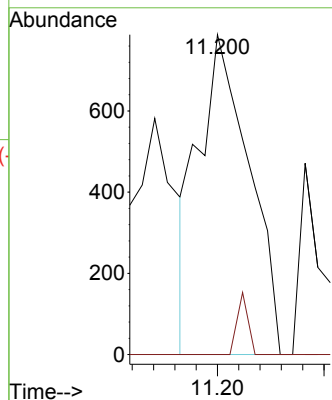
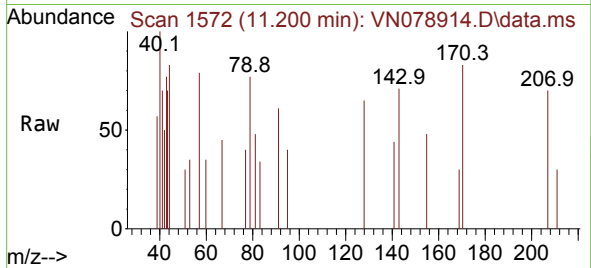




#59
2-Hexanone
Concen: 0.470 ug/l
RT: 11.200 min Scan# 11625
Delta R.T. 0.000 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

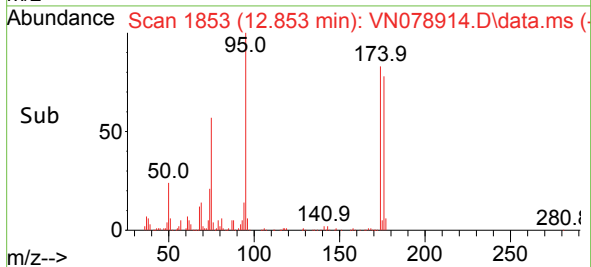
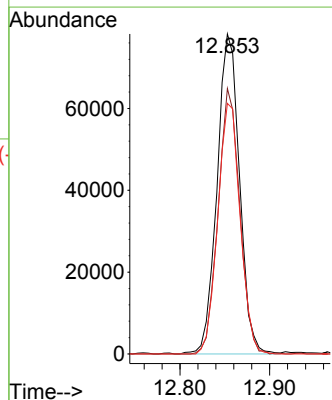
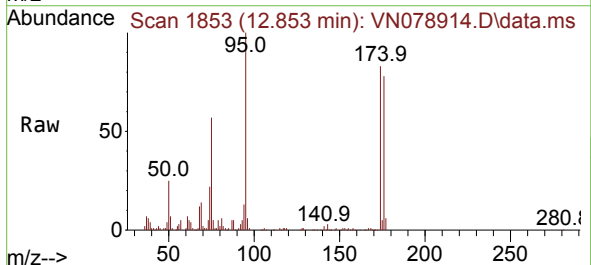
Instrument :
MSVOA_N
ClientSampleId :
1625

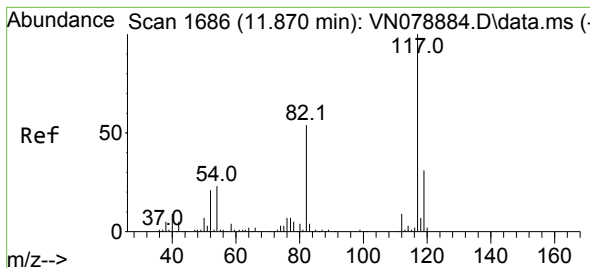
Tgt Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
58 4.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.592 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion: 95 Resp: 135990
Ion Ratio Lower Upper
95 100
174 79.7 0.0 143.8
176 77.8 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

1625

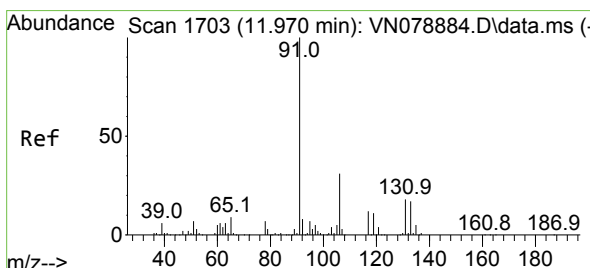
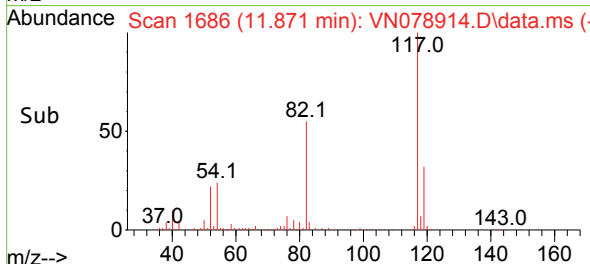
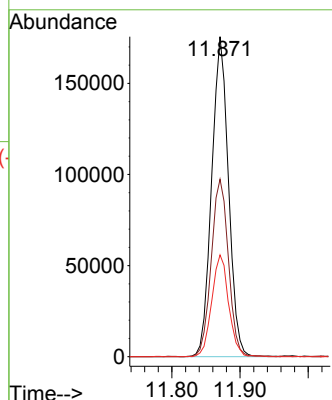
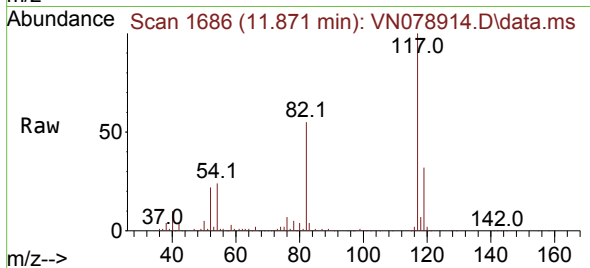
Tgt Ion:117 Resp: 301367

Ion Ratio Lower Upper

117 100

82 55.5 44.0 66.0

119 31.8 25.6 38.4



#67

Ethyl Benzene

Concen: 2.061 ug/l

RT: 11.971 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VN078914.D

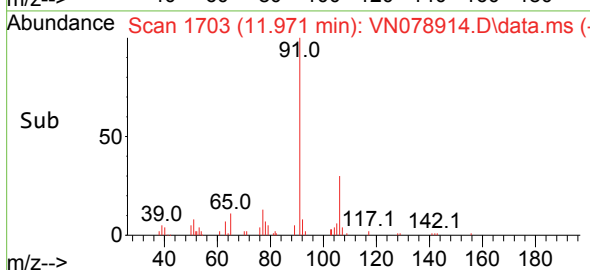
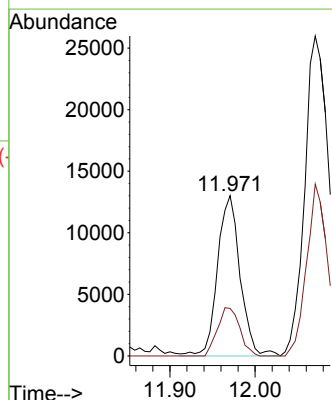
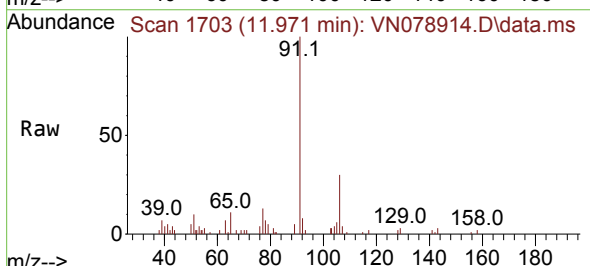
Acq: 16 Aug 2023 19:43

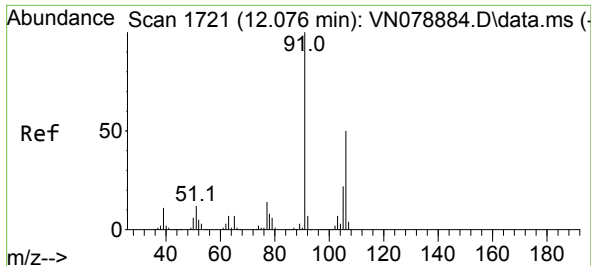
Tgt Ion: 91 Resp: 24040

Ion Ratio Lower Upper

91 100

106 29.6 25.6 38.4

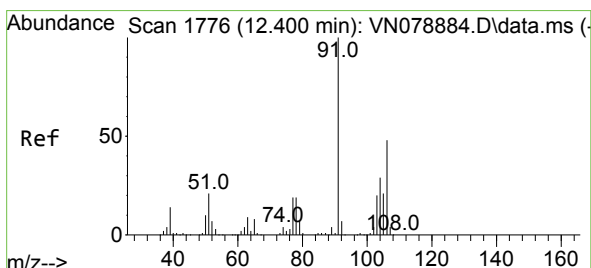
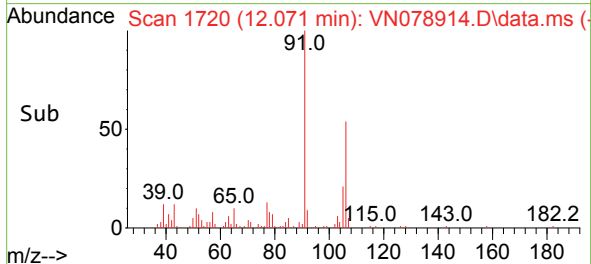
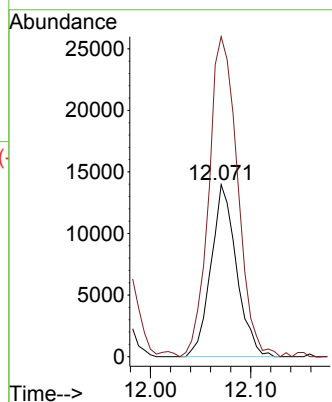
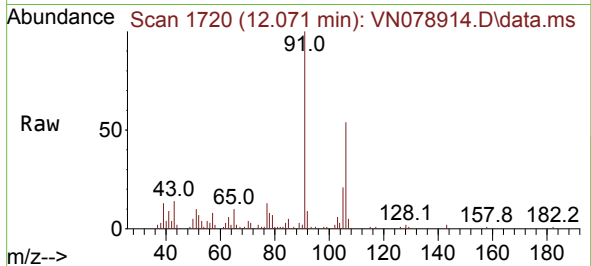




#68
m/p-Xylenes
Concen: 5.655 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.005 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

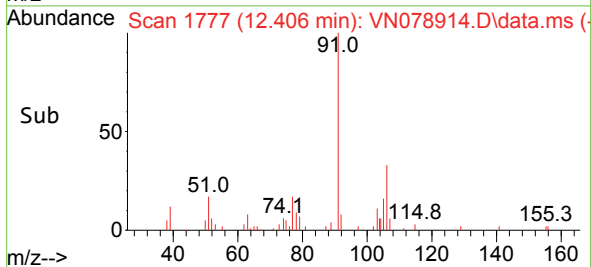
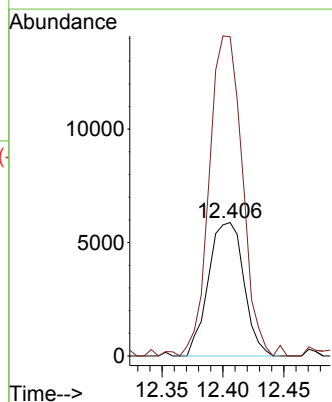
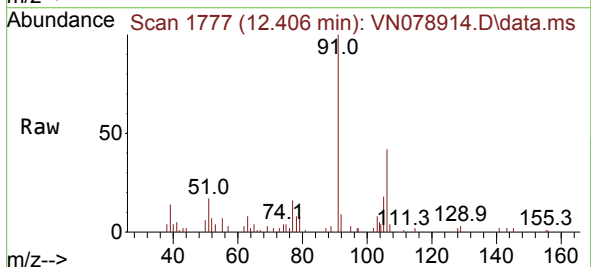
Instrument :
MSVOA_N
ClientSampleId :
1625

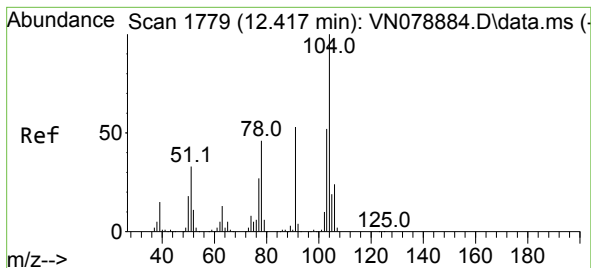
Tgt Ion:106 Resp: 24663
Ion Ratio Lower Upper
106 100
91 209.7 159.6 239.4



#69
o-Xylene
Concen: 2.797 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion:106 Resp: 11867
Ion Ratio Lower Upper
106 100
91 223.2 105.2 315.5





#70

Styrene

Concen: 0.407 ug/l

RT: 12.412 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

1625

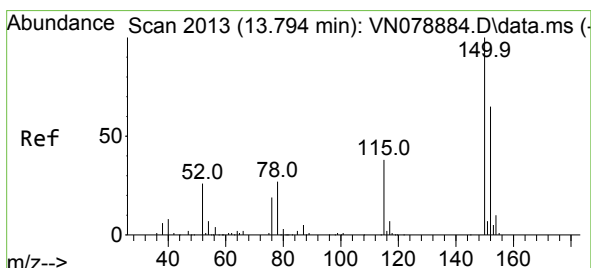
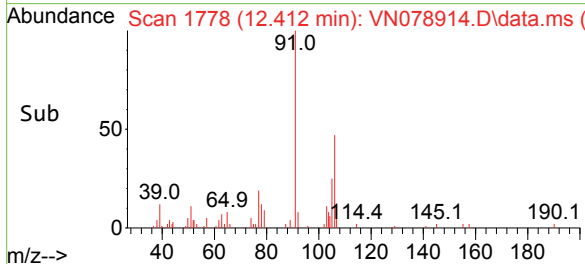
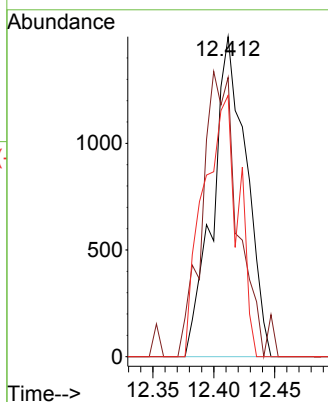
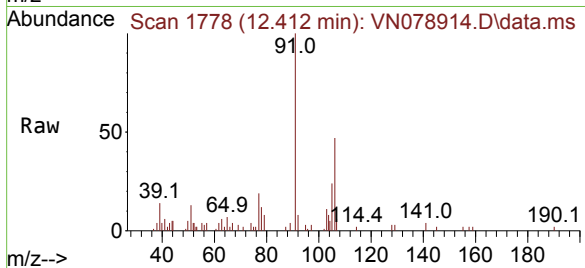
Tgt Ion:104 Resp: 2878

Ion Ratio Lower Upper

104 100

78 95.1 39.5 59.3#

103 84.6 43.2 64.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

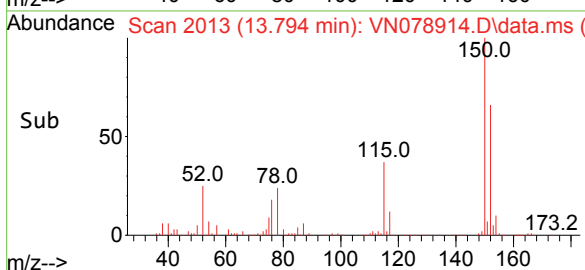
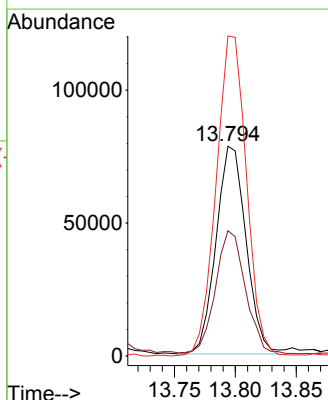
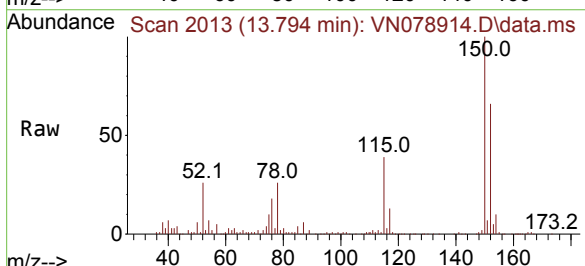
Tgt Ion:152 Resp: 133964

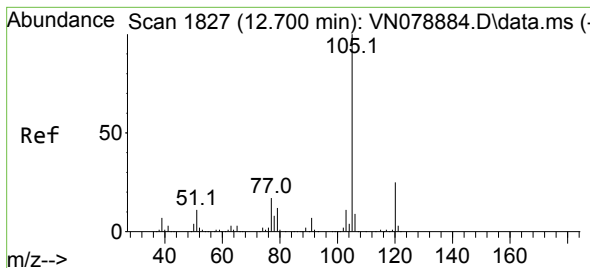
Ion Ratio Lower Upper

152 100

115 59.0 32.3 96.8

150 155.9 0.0 355.8





#73

Isopropylbenzene

Concen: 0.424 ug/l

RT: 12.706 min Scan# 1828

Delta R.T. 0.006 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

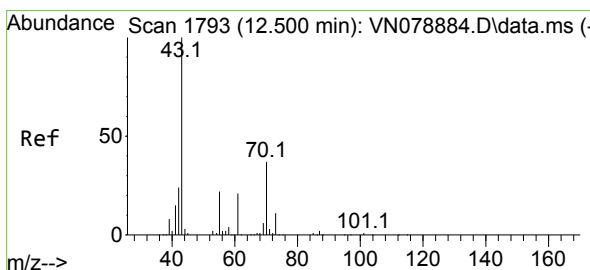
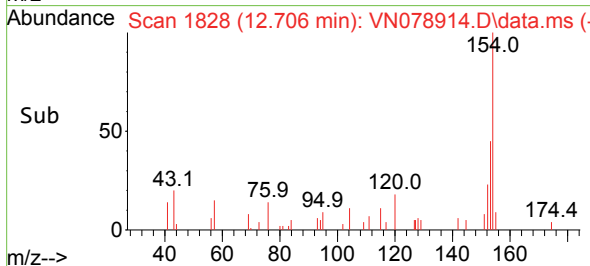
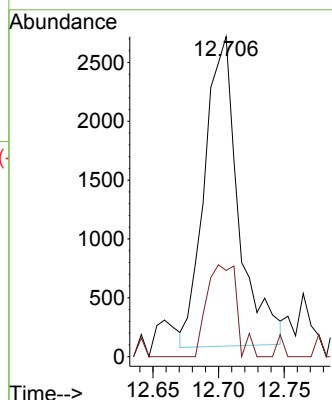
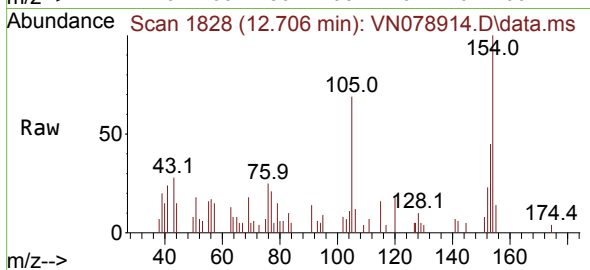
1625

Tgt Ion:105 Resp: 4734

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#74

N-ethyl acetate

Concen: 0.337 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.018 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Tgt Ion: 43 Resp: 1899

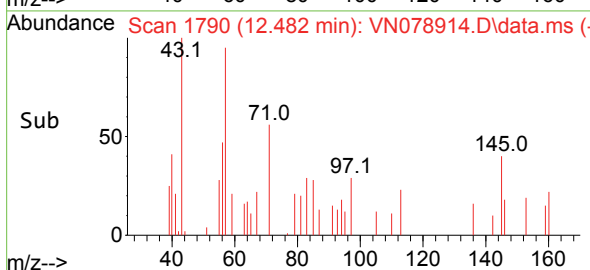
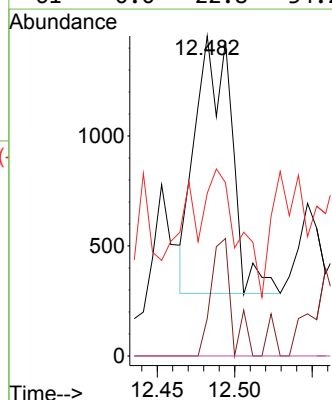
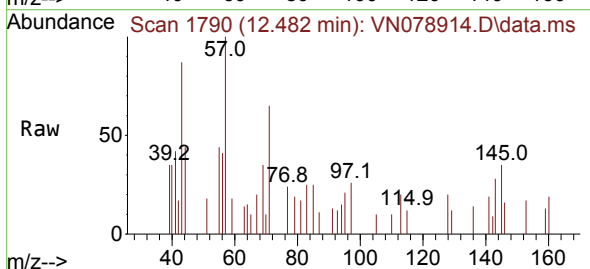
Ion Ratio Lower Upper

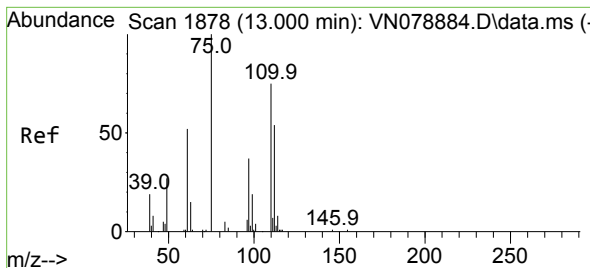
43 100

70 26.2 43.4 65.2#

55 43.6 21.4 32.0#

61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 24.055 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

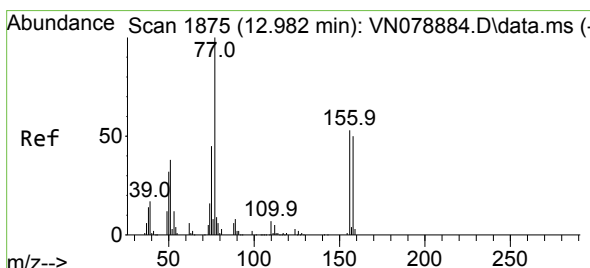
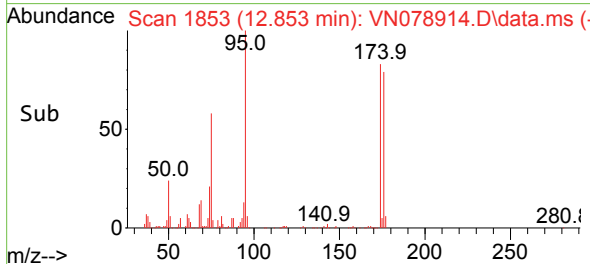
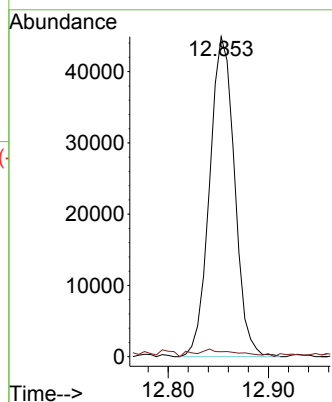
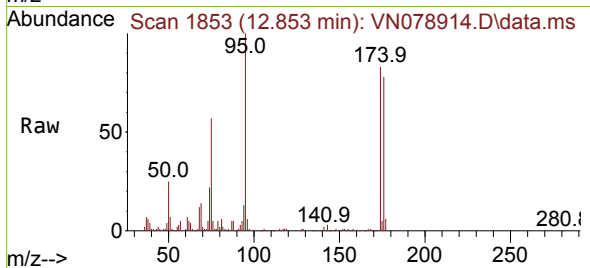
1625

Tgt Ion: 75 Resp: 77648

Ion Ratio Lower Upper

75 100

77 3.8 84.5 253.5#



#77

Bromobenzene

Concen: 0.305 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.123 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

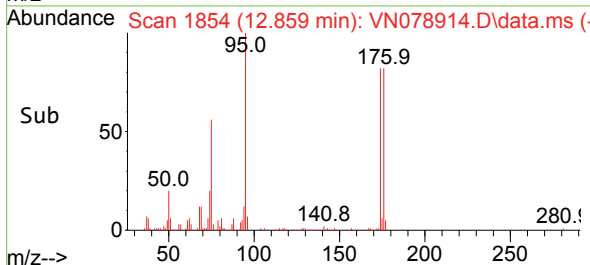
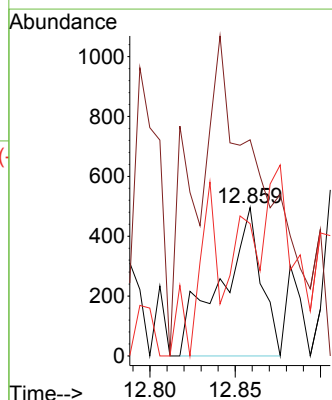
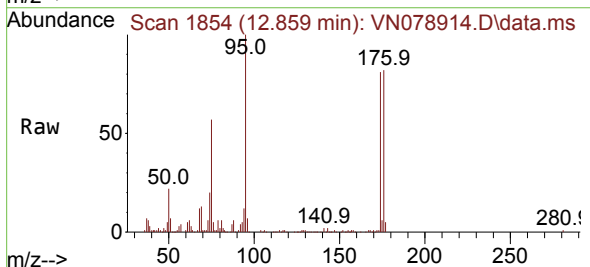
Tgt Ion:156 Resp: 820

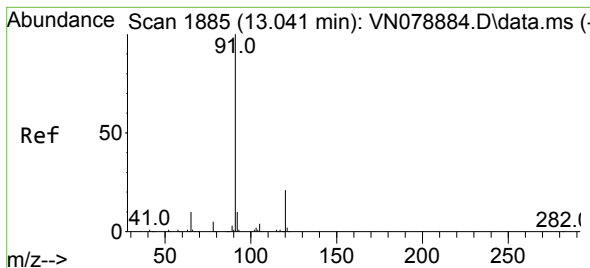
Ion Ratio Lower Upper

156 100

77 0.0 107.7 323.3#

158 89.8 48.4 145.3





#78

n-propylbenzene

Concen: 1.202 ug/l

RT: 13.035 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

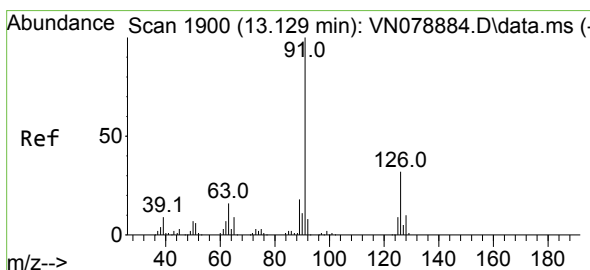
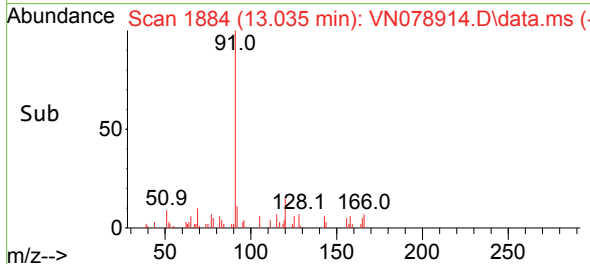
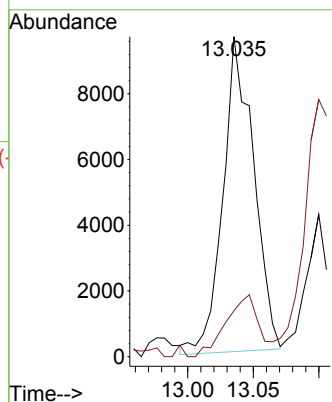
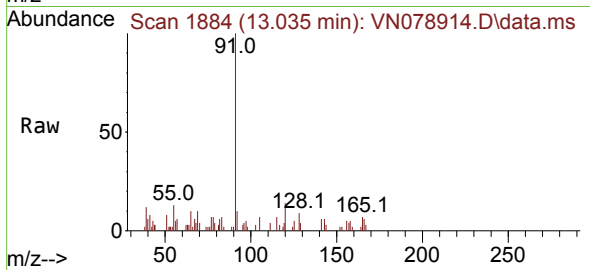
1625

Tgt Ion: 91 Resp: 15572

Ion Ratio Lower Upper

91 100

120 21.2 11.5 34.4



#79

2-Chlorotoluene

Concen: 0.224 ug/l

RT: 13.141 min Scan# 1902

Delta R.T. 0.012 min

Lab File: VN078914.D

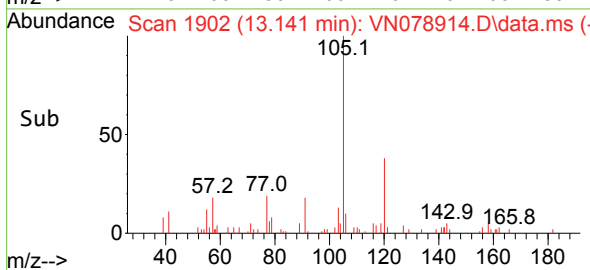
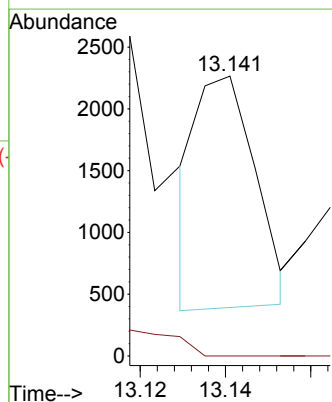
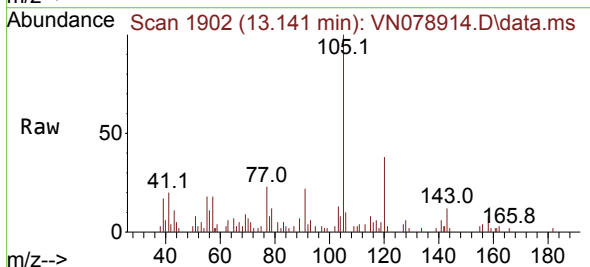
Acq: 16 Aug 2023 19:43

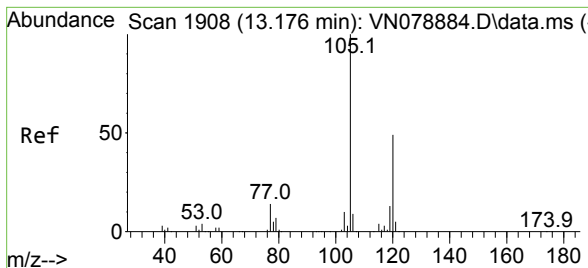
Tgt Ion: 91 Resp: 1797

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 2.183 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

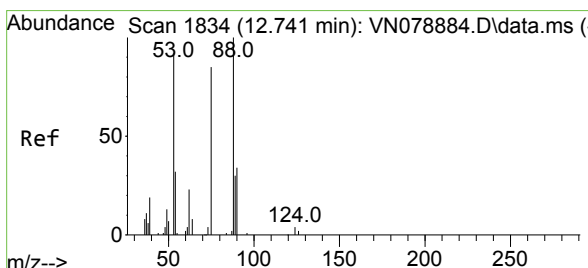
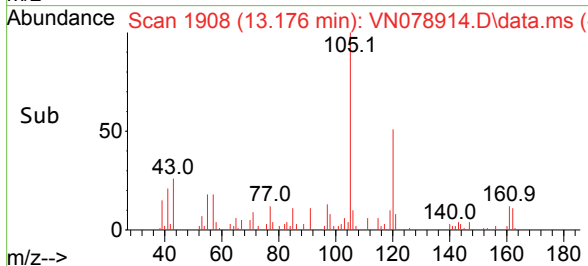
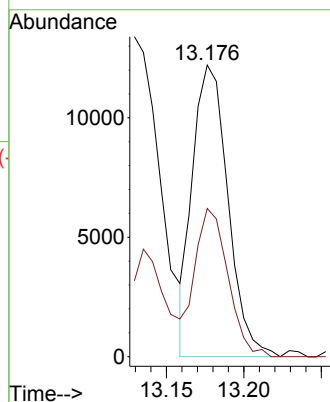
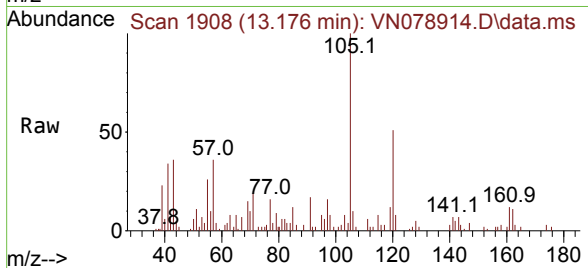
1625

Tgt Ion:105 Resp: 19324

Ion Ratio Lower Upper

105 100

120 47.6 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 61.451 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

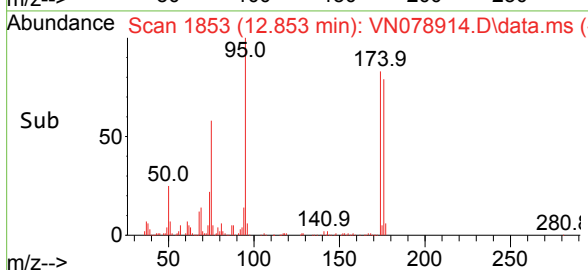
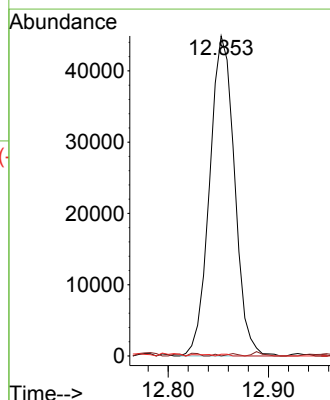
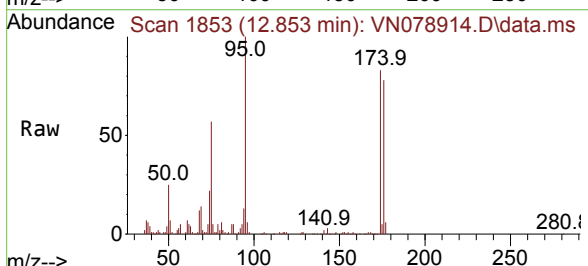
Tgt Ion: 75 Resp: 77648

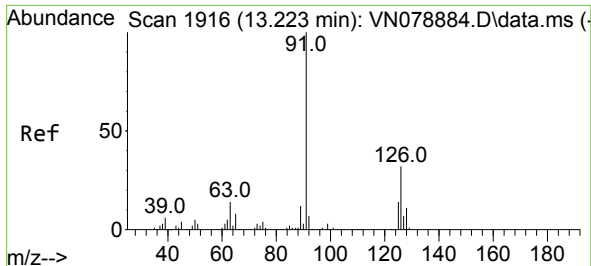
Ion Ratio Lower Upper

75 100

53 0.4 67.4 101.2#

89 0.2 38.8 58.2#

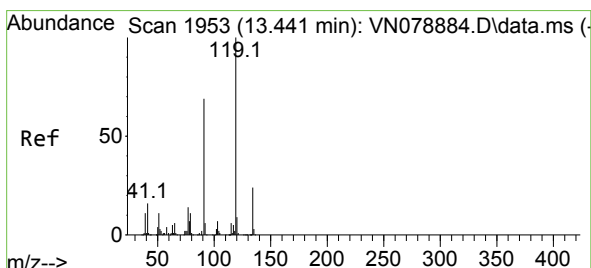
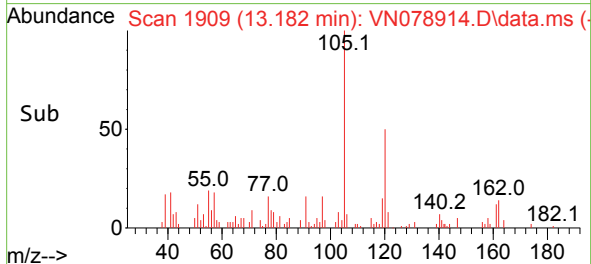
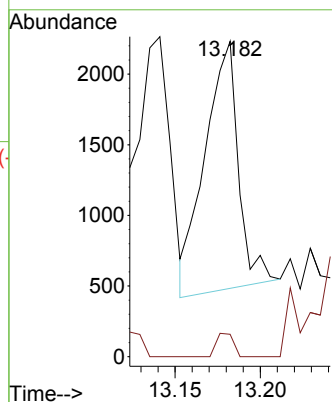
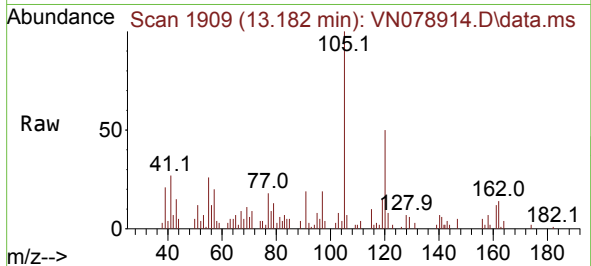




#82
4-Chlorotoluene
Concen: 0.306 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. -0.047 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

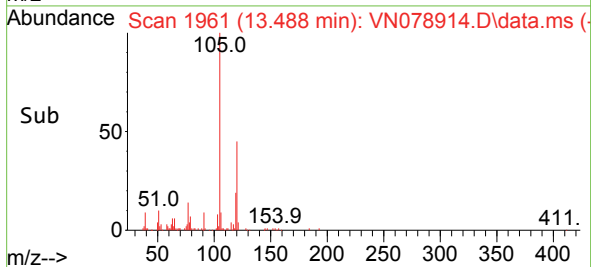
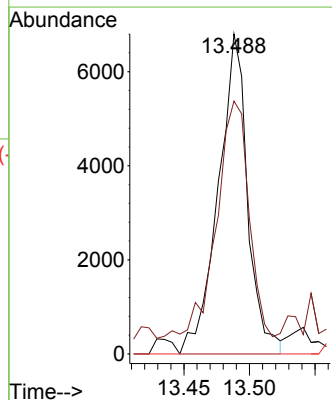
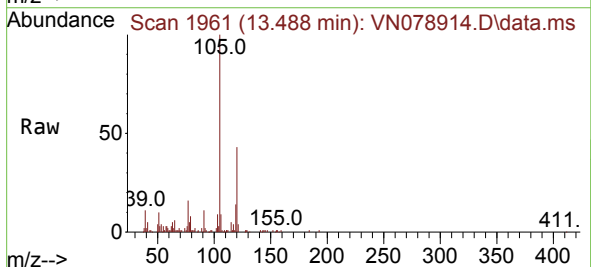
Instrument :
MSVOA_N
ClientSampleId :
1625

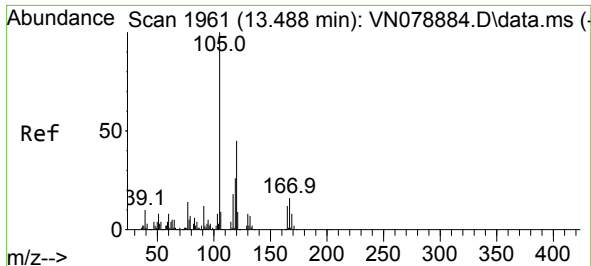
Tgt Ion: 91 Resp: 2409
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#



#83
tert-Butylbenzene
Concen: 1.423 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.047 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion: 119 Resp: 10583
Ion Ratio Lower Upper
119 100
91 80.0 33.9 101.7
134 0.0 13.2 39.6#

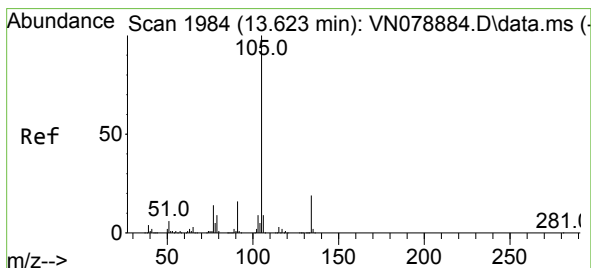
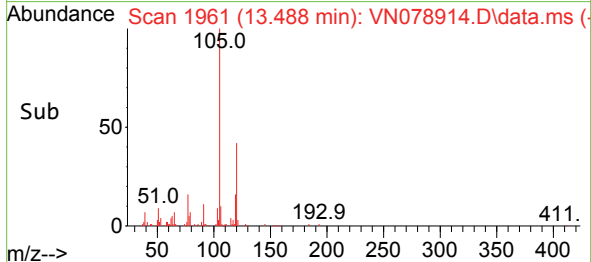
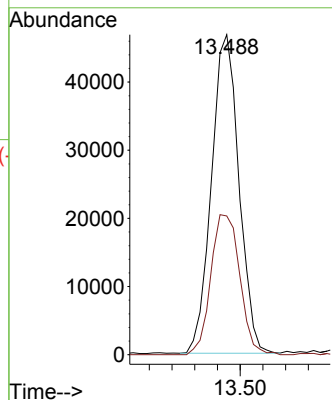
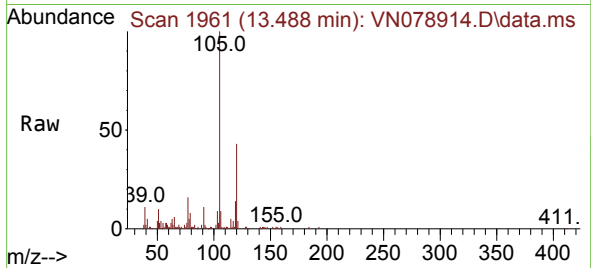




#84
1,2,4-Trimethylbenzene
Concen: 8.958 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

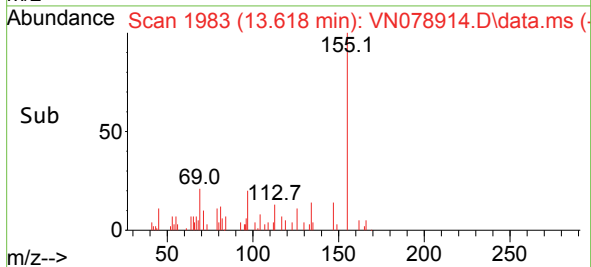
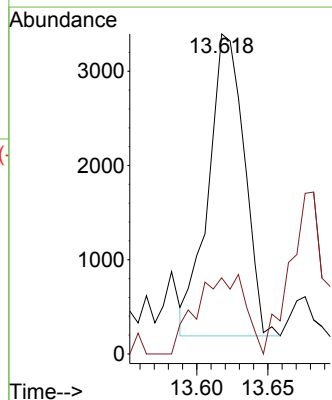
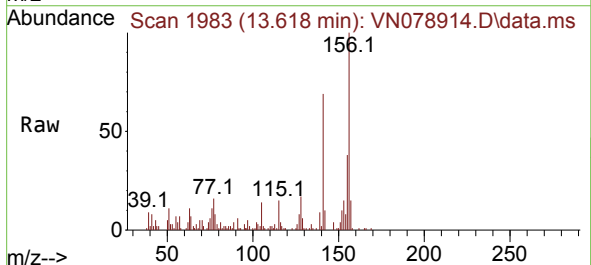
Instrument :
MSVOA_N
ClientSampleId :
1625

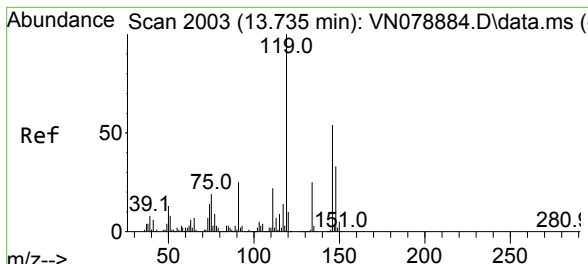
Tgt Ion:105 Resp: 78521
Ion Ratio Lower Upper
105 100
120 46.3 22.0 66.0



#85
sec-Butylbenzene
Concen: 0.552 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. -0.005 min
Lab File: VN078914.D
Acq: 16 Aug 2023 19:43

Tgt Ion:105 Resp: 5654
Ion Ratio Lower Upper
105 100
134 35.4 9.8 29.3#

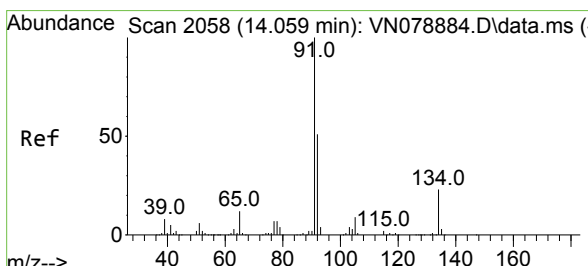
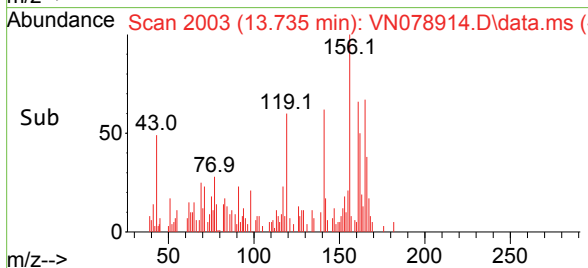
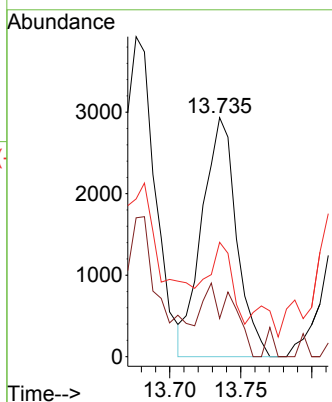
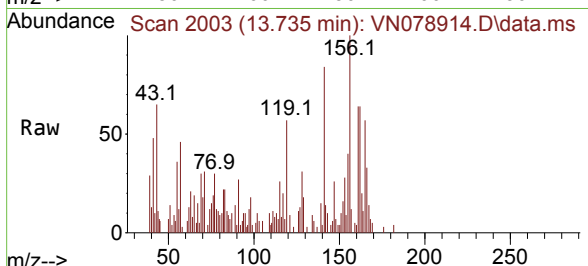




#86
 p-Isopropyltoluene
 Concen: 0.607 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078914.D
 Acq: 16 Aug 2023 19:43

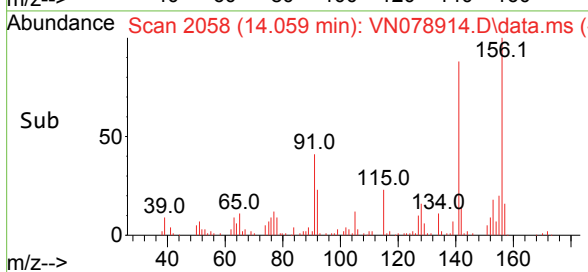
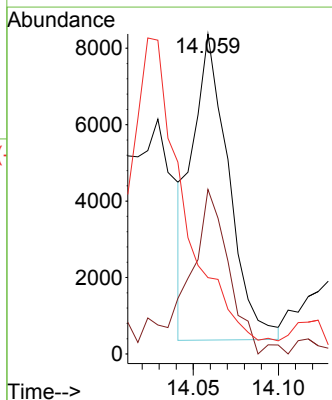
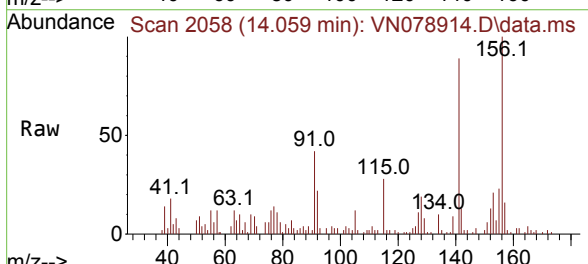
Instrument :
 MSVOA_N
 ClientSampleId :
 1625

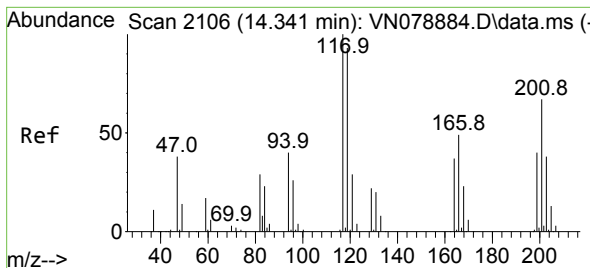
Tgt Ion:	119	Resp:	4966
Ion Ratio	Lower	Upper	
119	100		
134	26.8	12.6	37.8
91	23.3	12.4	37.2



#89
 n-Butylbenzene
 Concen: 1.764 ug/l
 RT: 14.059 min Scan# 2058
 Delta R.T. -0.000 min
 Lab File: VN078914.D
 Acq: 16 Aug 2023 19:43

Tgt Ion:	91	Resp:	11872
Ion Ratio	Lower	Upper	
91	100		
92	62.2	26.4	79.0
134	0.0	12.6	37.6#





#90

Hexachloroethane

Concen: 3.186 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

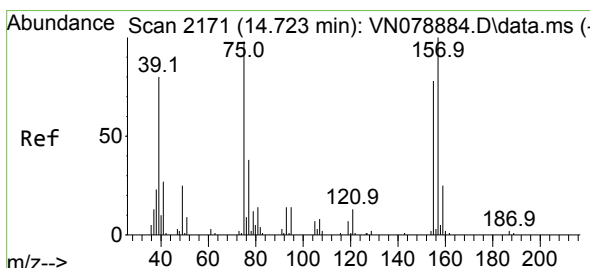
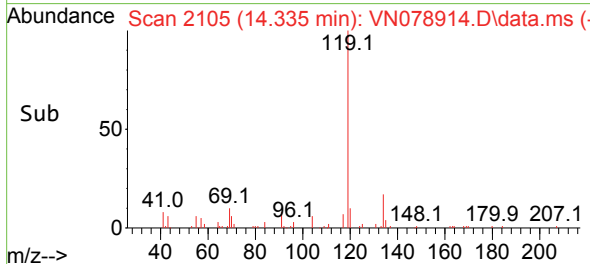
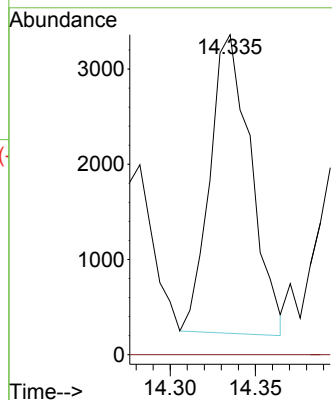
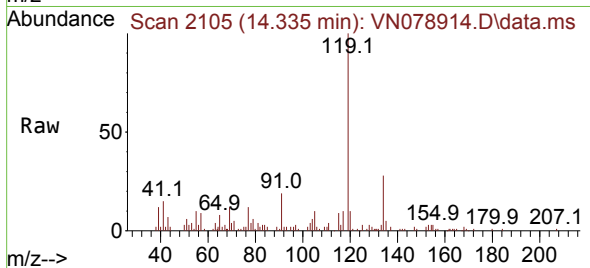
1625

Tgt Ion:117 Resp: 5223

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.694 min Scan# 2166

Delta R.T. -0.029 min

Lab File: VN078914.D

Acq: 16 Aug 2023 19:43

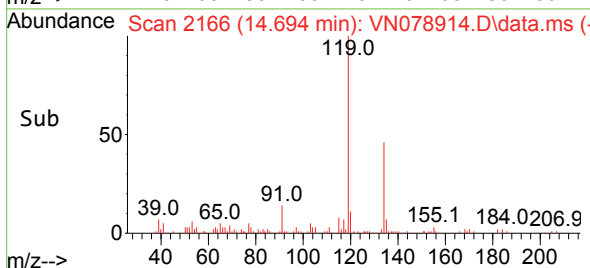
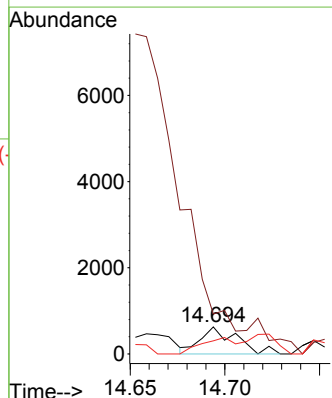
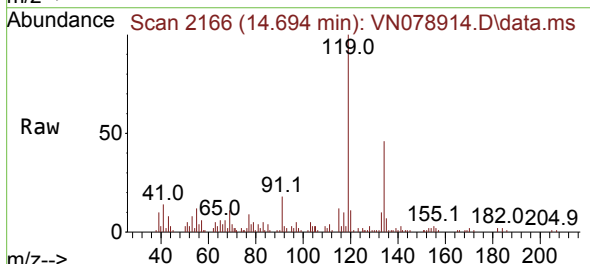
Tgt Ion: 75 Resp: 836

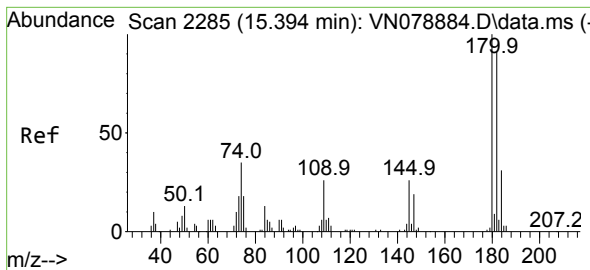
Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.2#

157 55.6 50.3 150.9

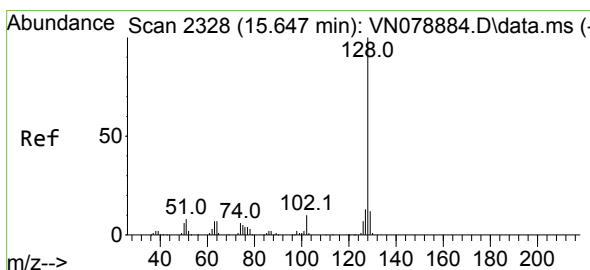
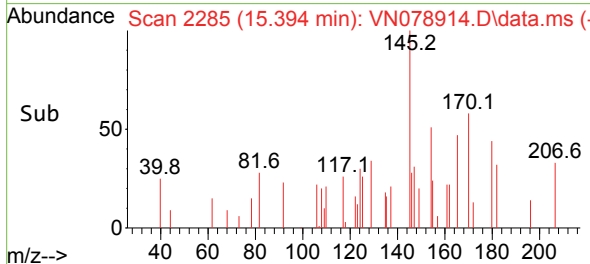
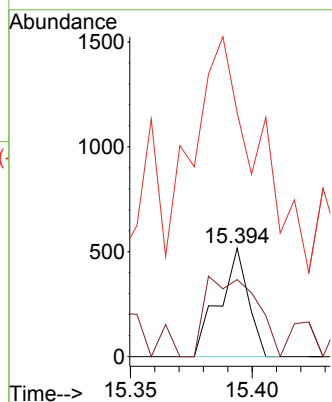
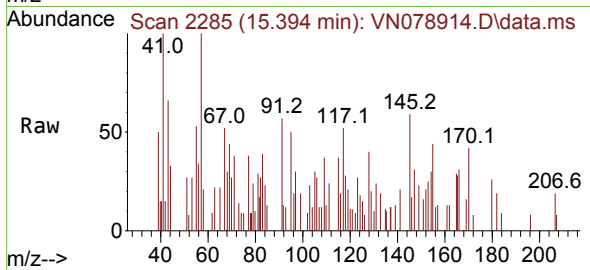




#93
 1,2,4-Trichlorobenzene
 Concen: 0.263 ug/l
 RT: 15.394 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VN078914.D
 Acq: 16 Aug 2023 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 1625

Tgt Ion	Ratio	Lower	Upper
180	100		
182	129.7	46.1	138.2
145	799.3	16.6	49.8#



#95
 Naphthalene
 Concen: 45.336 ug/l
 RT: 15.647 min Scan# 2328
 Delta R.T. -0.000 min
 Lab File: VN078914.D
 Acq: 16 Aug 2023 19:43

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.0	15.0
129	11.8	8.7	13.1

