

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088178.D
 Acq On : 31 Oct 2025 11:34
 Operator : JC\MD
 Sample : Q3447-01 20X
 Misc : 3.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW1-251023-01

Quant Time: Nov 01 00:29:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	276214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	641709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	627493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	313309	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	308135	64.513	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 129.020%#	
35) Dibromofluoromethane	8.147	113	221929	51.479	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.960%	
50) Toluene-d8	10.541	98	831276	50.043	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	12.829	95	337256	57.489	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 114.980%	

Target Compounds				Qvalue		
5) Bromomethane	2.983	94	1520	0.636	ug/l #	61
10) Methyl Iodide	4.589	142	881	4.460	ug/l #	87
11) Tert butyl alcohol	5.500	59	1158	1.407	ug/l #	71
13) Acrolein	4.183	56	270	0.292	ug/l #	14
16) Acetone	4.424	43	2991	1.246	ug/l	98
17) Carbon Disulfide	4.712	76	2859	0.271	ug/l #	74
18) Methyl Acetate	5.024	43	4862	0.990	ug/l	96
20) Methylene Chloride	5.277	84	629	0.939	ug/l #	40
25) 2-Butanone	7.477	43	884	0.280	ug/l #	50
31) Cyclohexane	8.206	56	14030	2.098	ug/l #	37
36) 1,1-Dichloropropene	8.200	75	28412	4.514	ug/l #	43
38) Carbon Tetrachloride	8.206	117	33101	5.091	ug/l #	15
39) Methylcyclohexane	9.577	83	15566	1.924	ug/l	98
48) Methyl methacrylate	9.759	41	2393	0.415	ug/l #	64
49) 1,4-Dioxane	9.688	88	128	1.786	ug/l #	84
52) Toluene	10.606	92	14370	1.216	ug/l	91
55) 1,1,2-Trichloroethane	10.977	97	3098	0.691	ug/l #	21
59) 2-Hexanone	11.153	43	4565	0.932	ug/l #	26
67) Ethyl Benzene	11.941	91	19595	0.783	ug/l	94
68) m/p-Xylenes	12.041	106	27309	2.914	ug/l	94
69) o-Xylene	12.371	106	13066	1.471	ug/l	98
71) Bromoform	12.829	173	2422	0.695	ug/l #	1
73) Isopropylbenzene	12.682	105	7098	0.294	ug/l	94
76) 1,2,3-Trichloropropane	12.829	75	194538	27.158	ug/l #	1
78) n-propylbenzene	13.018	91	13656	0.463	ug/l	95
79) 2-Chlorotoluene	13.076	91	11655	0.693	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.153	105	29751	1.482	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.829	75	194538	75.758	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.459	105	86130	4.289	ug/l	99
85) sec-Butylbenzene	13.594	105	7186	0.273	ug/l #	76
86) p-Isopropyltoluene	13.712	119	14208	0.672	ug/l	97
89) n-Butylbenzene	14.035	91	16599	0.793	ug/l #	81
90) Hexachloroethane	14.306	117	6224	1.521	ug/l #	25
92) 1,2-Dibromo-3-Chloropr...	14.706	75	763	0.436	ug/l #	19
93) 1,2,4-Trichlorobenzene	15.370	180	3001	0.494	ug/l #	78
94) Hexachlorobutadiene	15.470	225	2296	1.015	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
Data File : VN088178.D
Acq On : 31 Oct 2025 11:34
Operator : JC\MD
Sample : Q3447-01 20X
Misc : 3.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

Quant Time: Nov 01 00:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

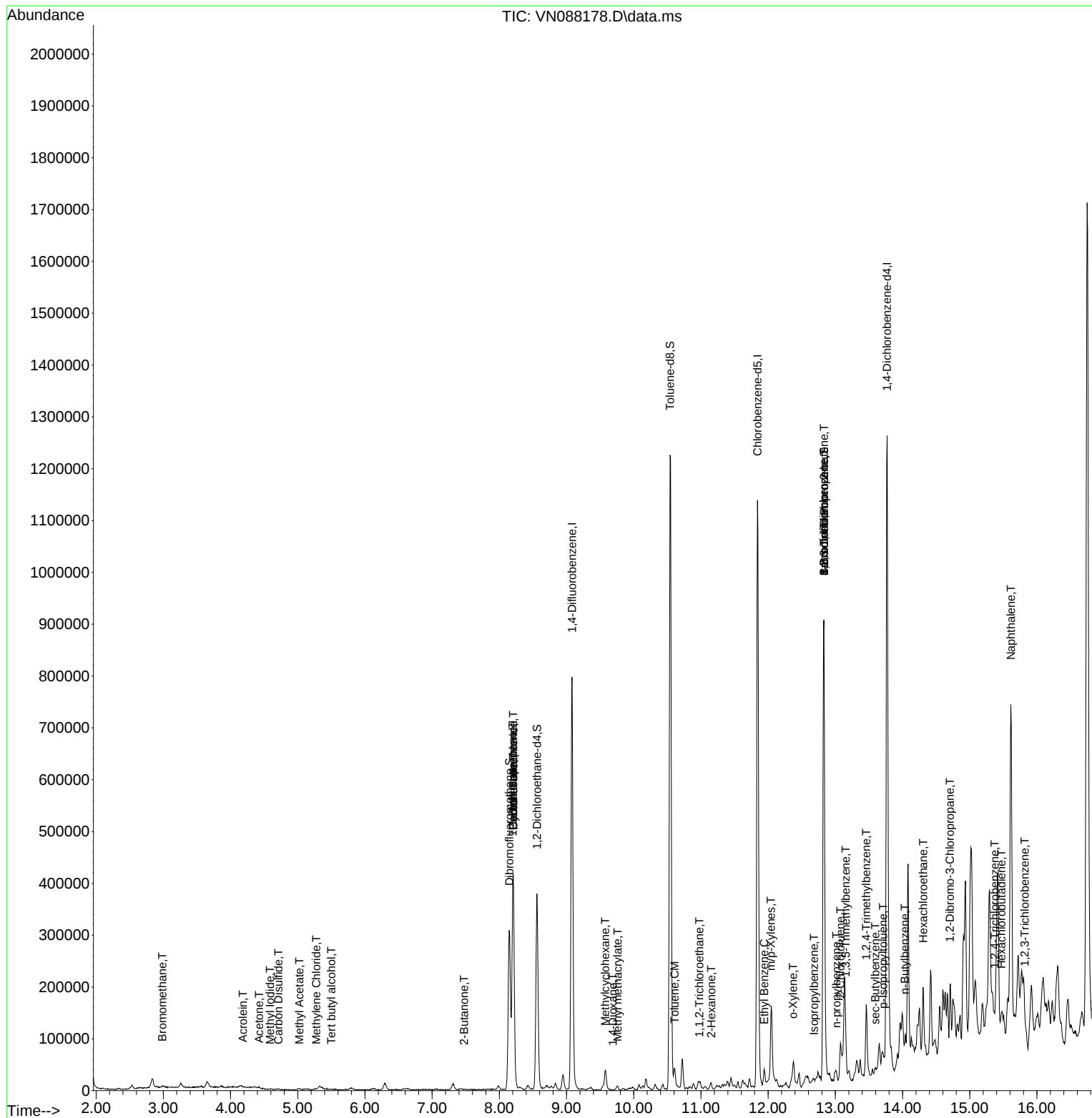
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.612	128	605105	29.086	ug/l	100
96) 1,2,3-Trichlorobenzene	15.817	180	2020	0.347	ug/l #	58

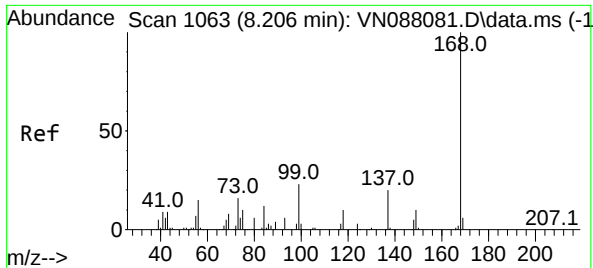
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
Data File : VN088178.D
Acq On : 31 Oct 2025 11:34
Operator : JC\MD
Sample : Q3447-01 20X
Misc : 3.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

Quant Time: Nov 01 00:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

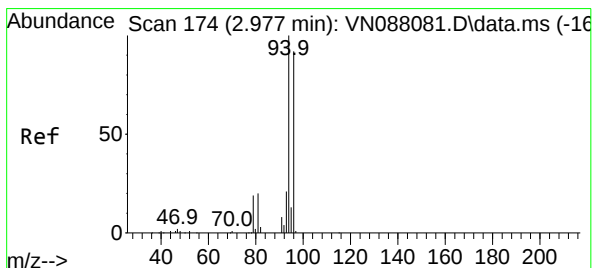
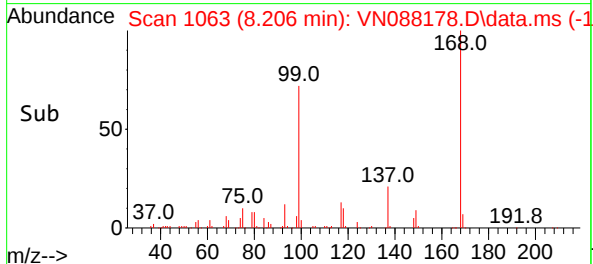
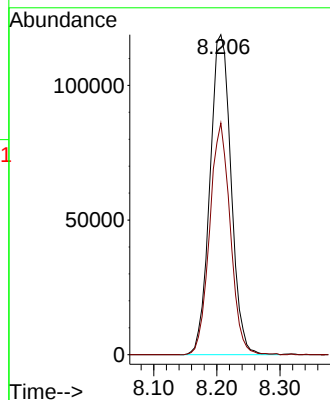
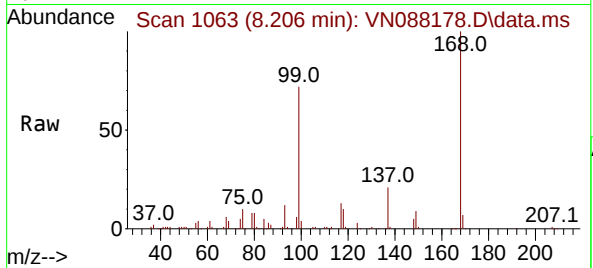




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

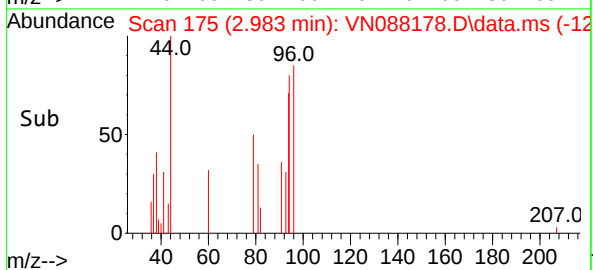
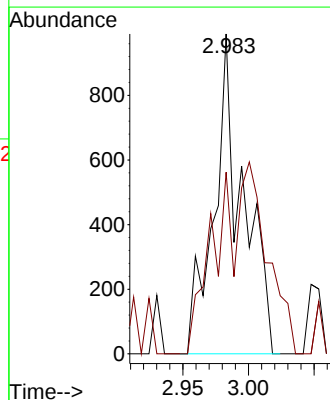
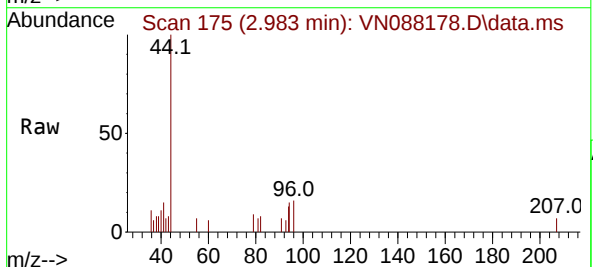
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

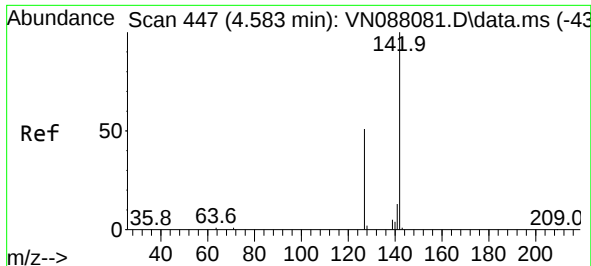
Tgt Ion:168 Resp: 276214
Ion Ratio Lower Upper
168 100
99 72.4 57.2 85.8



#5
Bromomethane
Concen: 0.636 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.012 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

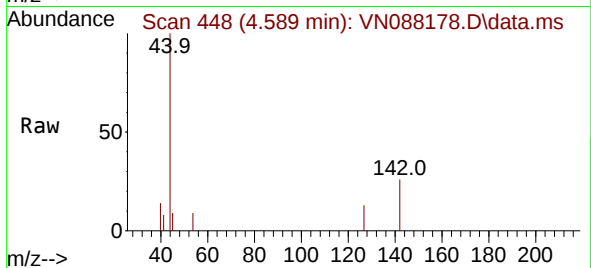
Tgt Ion: 94 Resp: 1520
Ion Ratio Lower Upper
94 100
96 56.8 75.4 113.2#



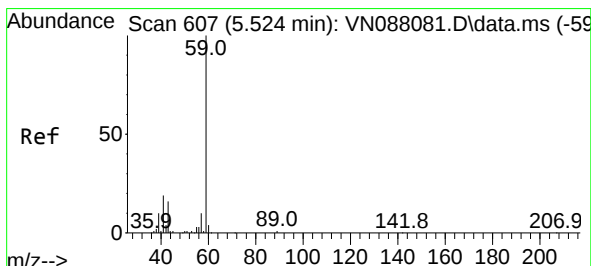
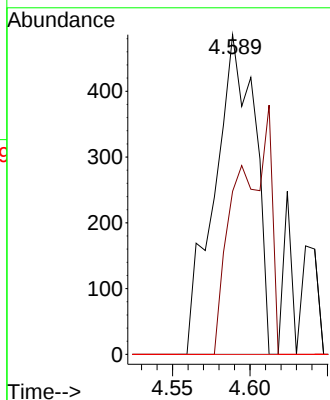
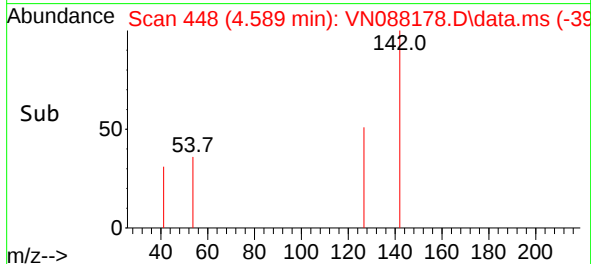


#10
Methyl Iodide
Concen: 4.460 ug/l
RT: 4.589 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

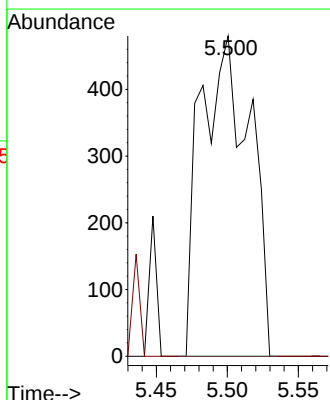
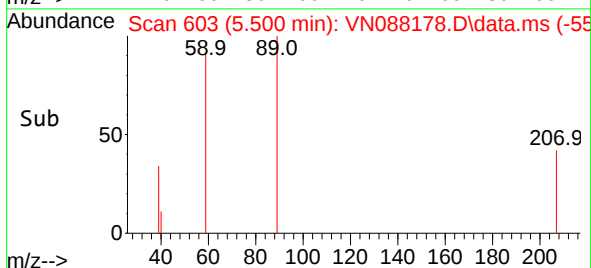
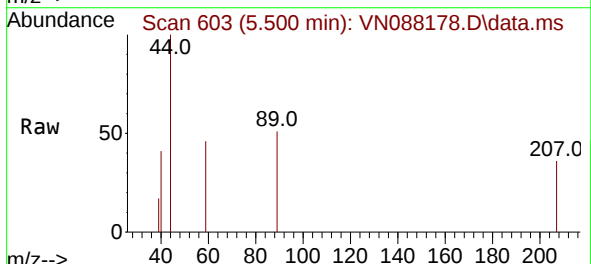


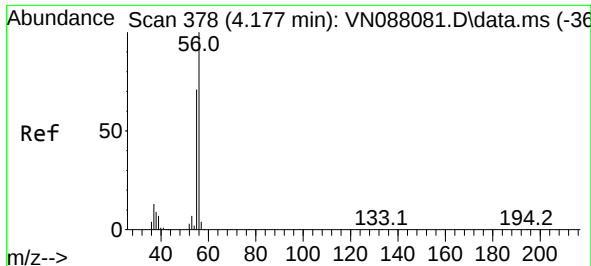
Tgt Ion:142 Resp: 881
Ion Ratio Lower Upper
142 100
127 51.0 38.0 57.0
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.407 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.018 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Tgt Ion: 59 Resp: 1158
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

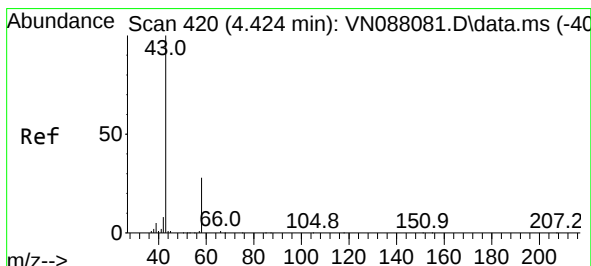
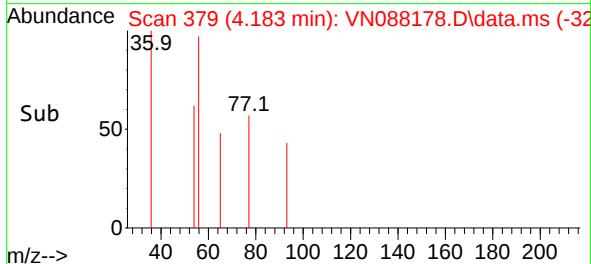
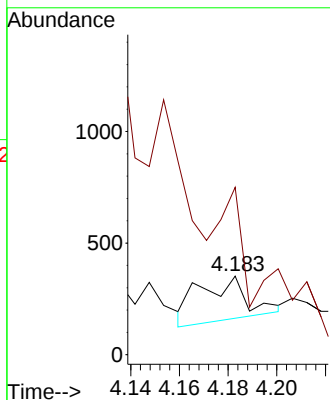
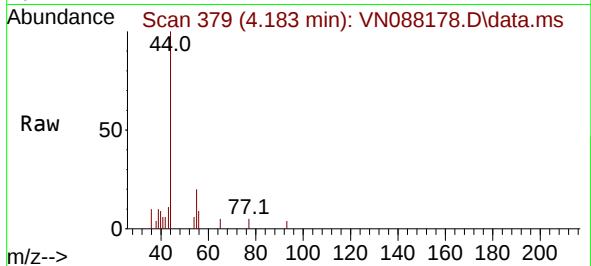




#13
Acrolein
Concen: 0.292 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

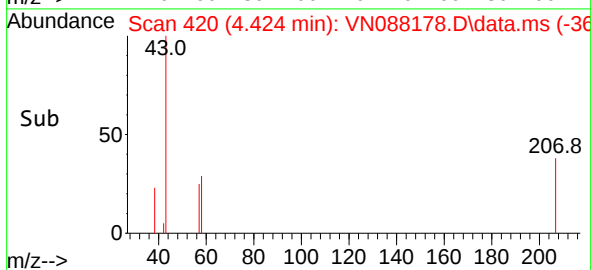
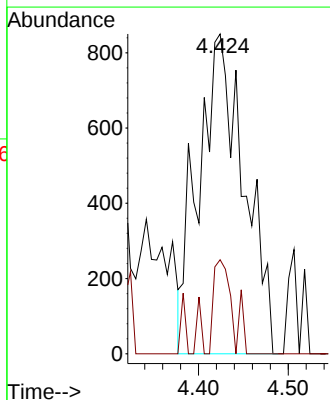
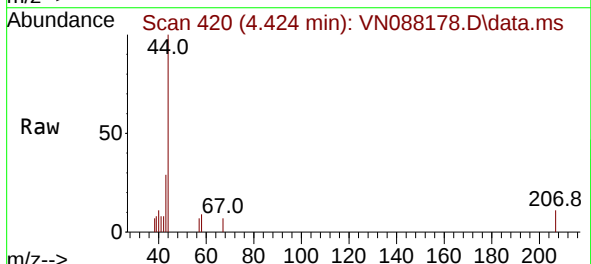
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

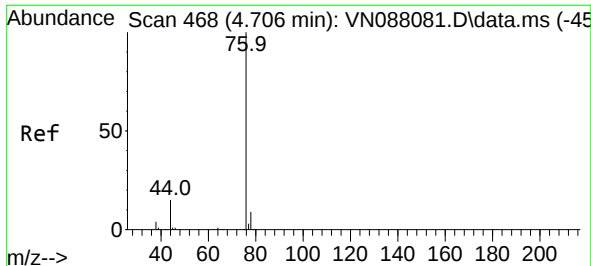
Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#16
Acetone
Concen: 1.246 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Tgt Ion: 43 Resp: 2991
Ion Ratio Lower Upper
43 100
58 29.4 22.6 33.8

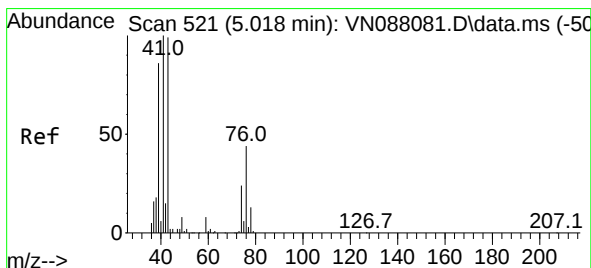
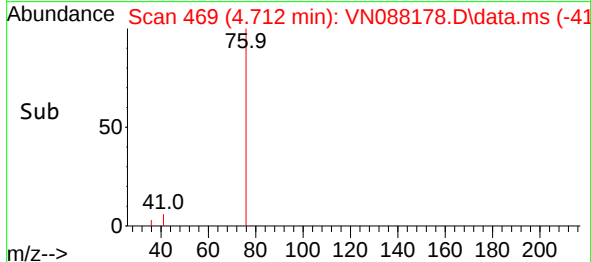
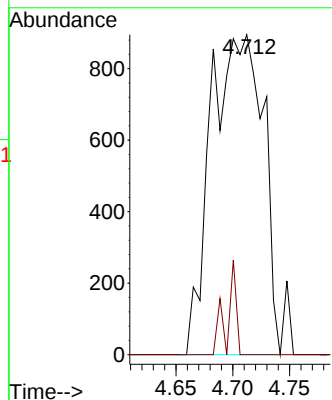
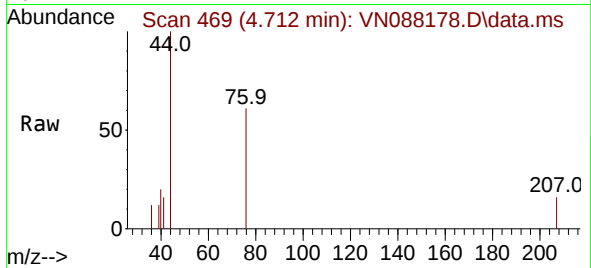




#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

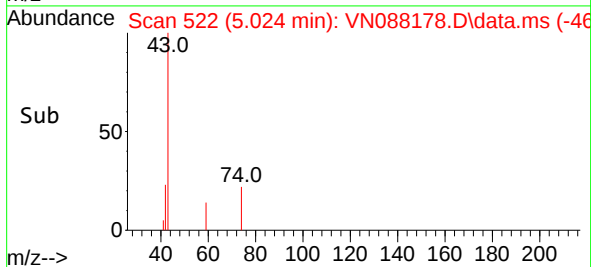
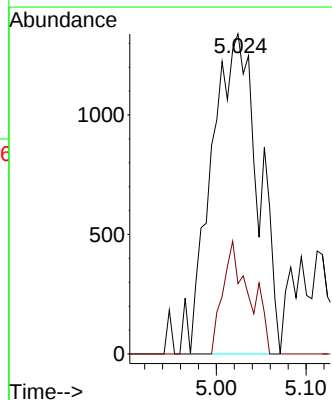
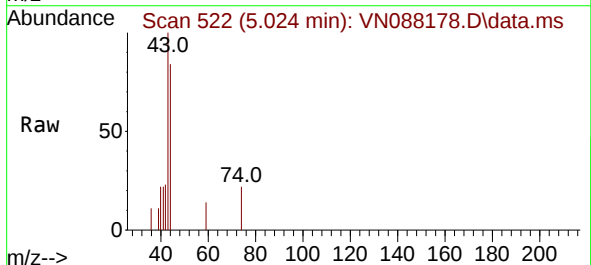
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

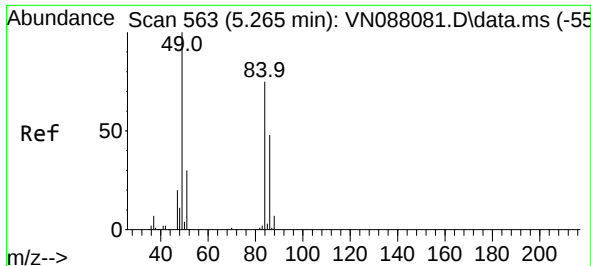
Tgt Ion: 76 Resp: 2859
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.990 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

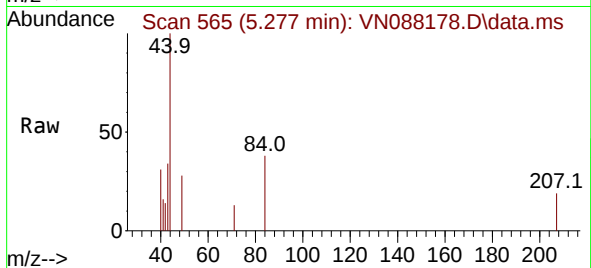
Tgt Ion: 43 Resp: 4862
Ion Ratio Lower Upper
43 100
74 20.0 17.6 26.4



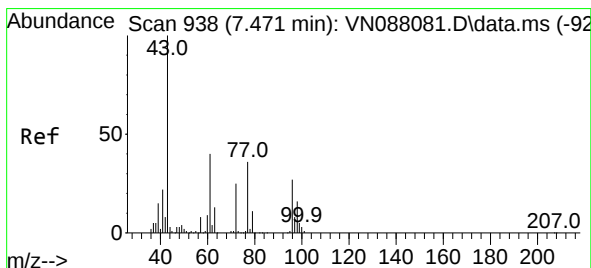
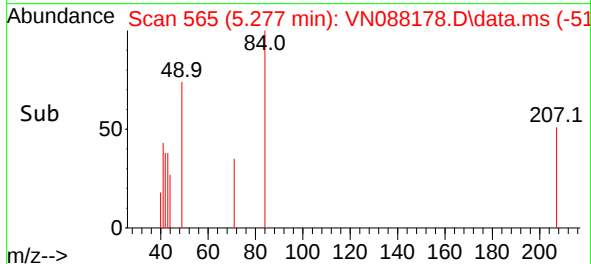
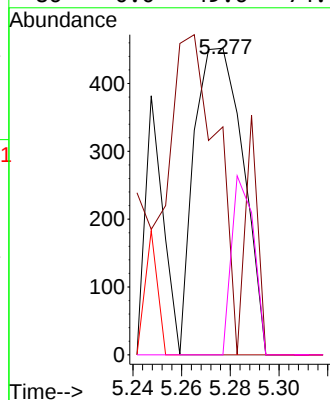


#20
Methylene Chloride
Concen: 0.939 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

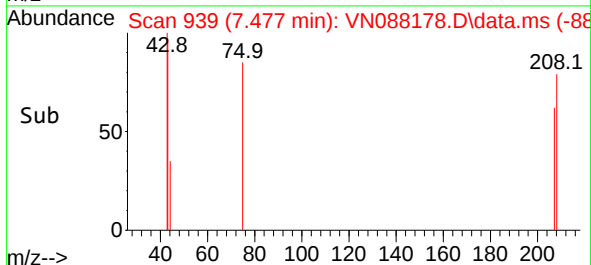
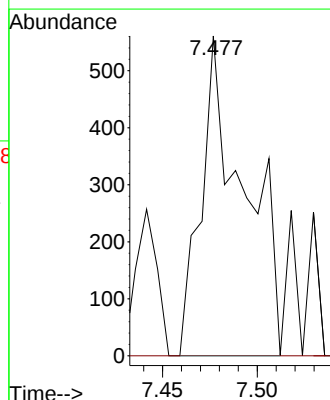
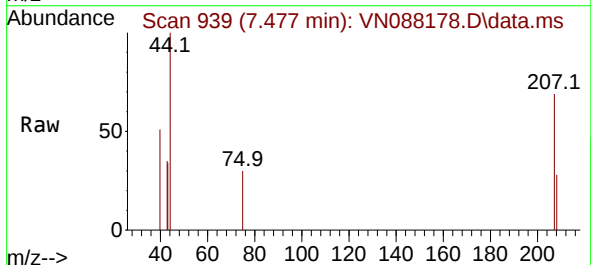


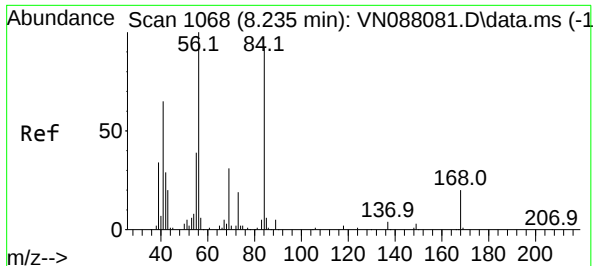
Tgt Ion: 84	Resp: 629
Ion Ratio	Lower Upper
84 100	
49 74.3	103.4 155.2#
51 0.0	33.8 50.8#
86 0.0	49.6 74.4#



#25
2-Butanone
Concen: 0.280 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Tgt Ion: 43	Resp: 884		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	19.9	29.9#	

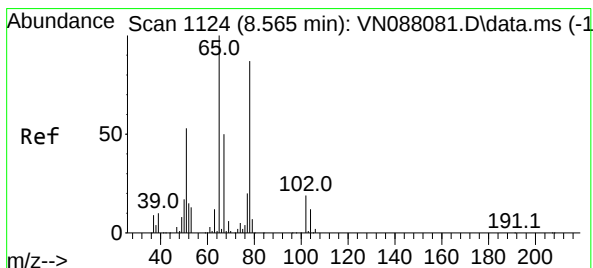
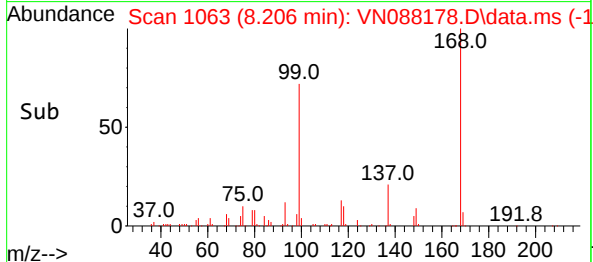
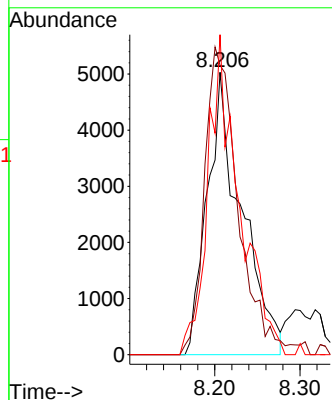
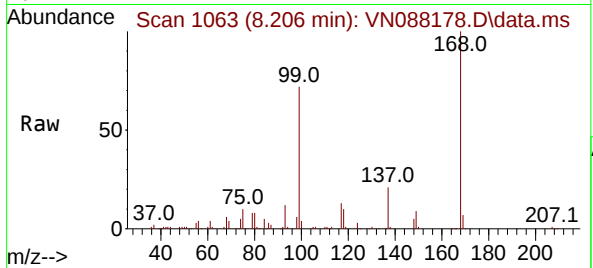




#31
Cyclohexane
Concen: 2.098 ug/l
RT: 8.206 min Scan# 1103
Delta R.T. -0.029 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

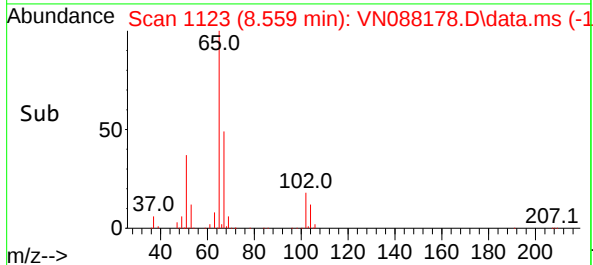
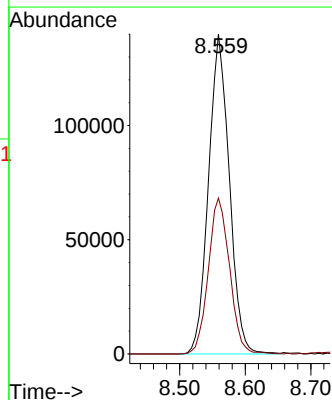
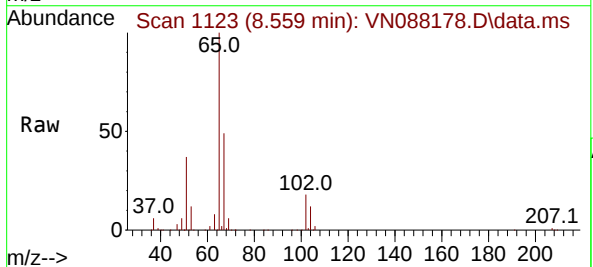
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

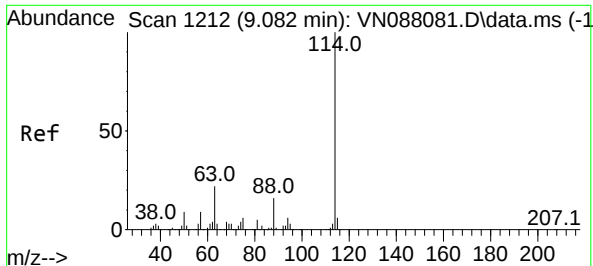
Tgt Ion: 56 Resp: 14030
Ion Ratio Lower Upper
56 100
69 102.5 23.7 35.5#
84 113.3 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 64.513 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Tgt Ion: 65 Resp: 308135
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01

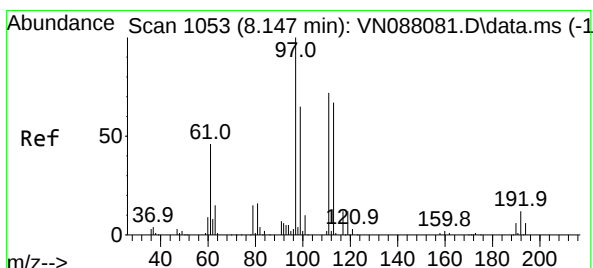
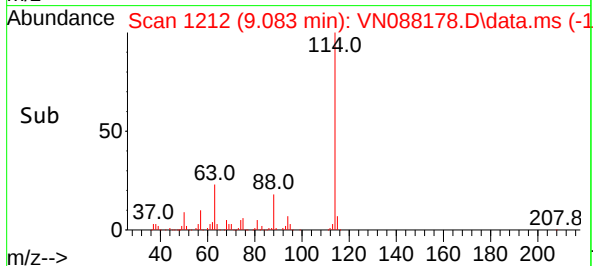
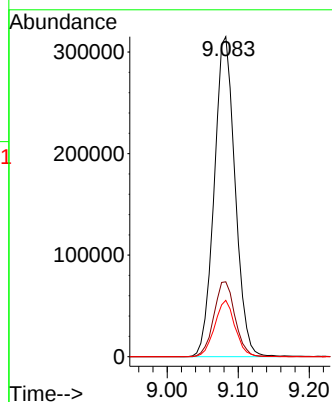
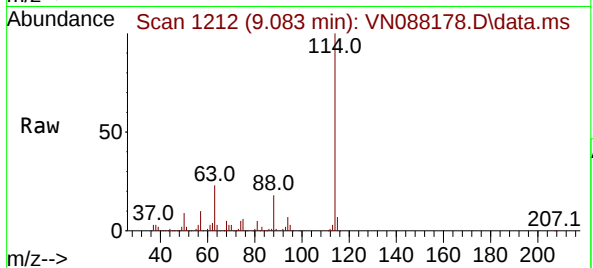
Tgt Ion:114 Resp: 641709

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

88 17.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.479 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

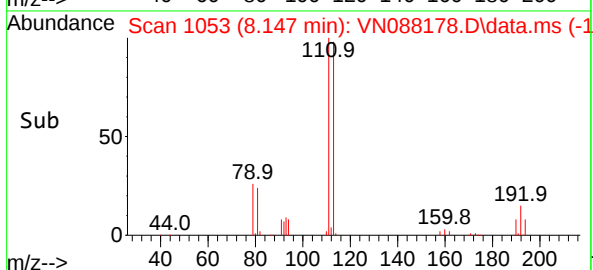
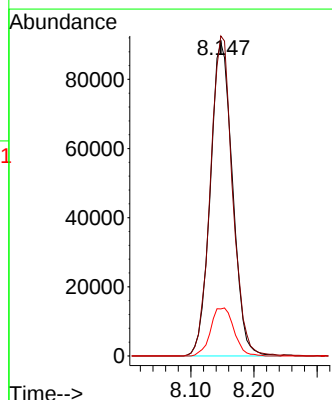
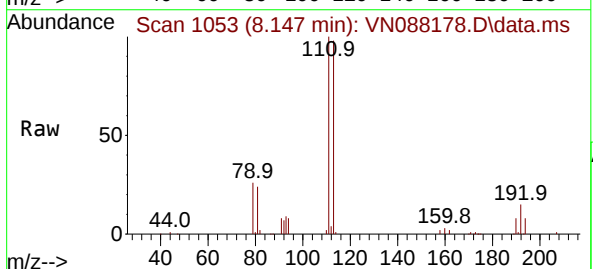
Tgt Ion:113 Resp: 221929

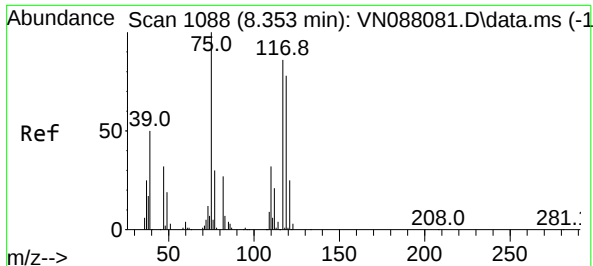
Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

192 16.0 12.8 19.2

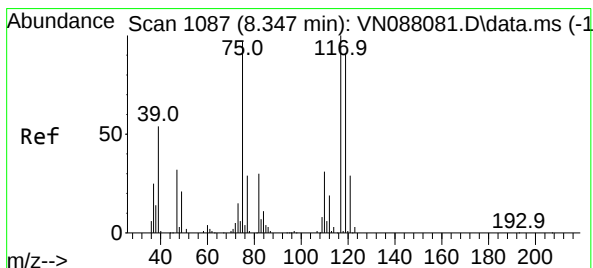
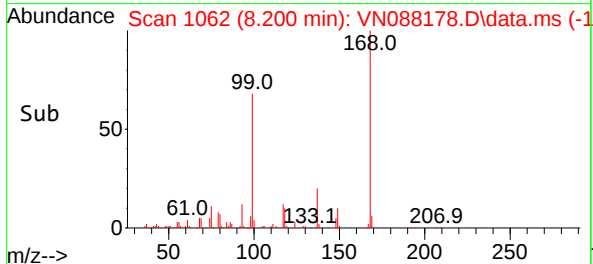
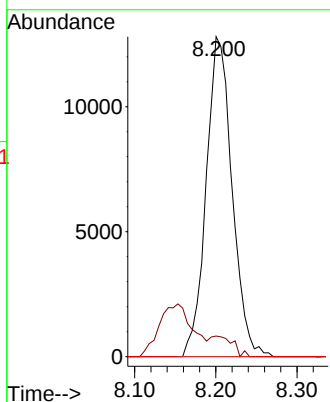
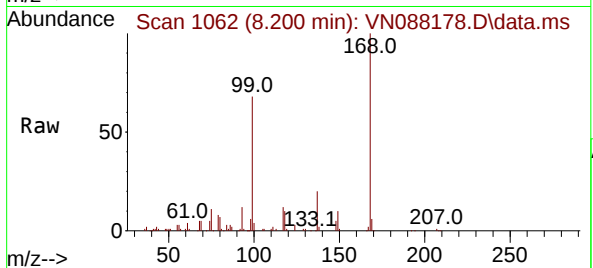




#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

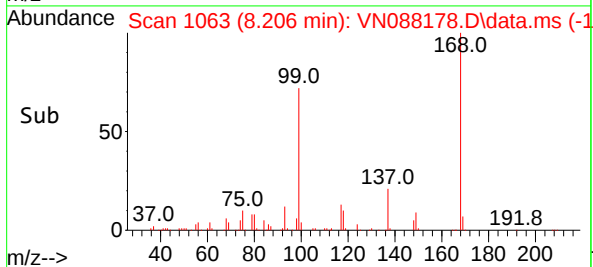
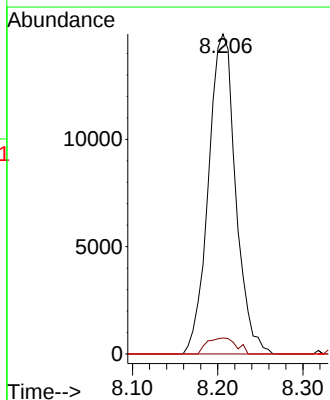
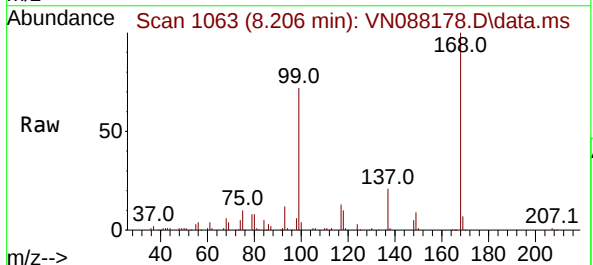
Instrument : MSVOA_N
ClientSampleId : P001-TW1-251023-01

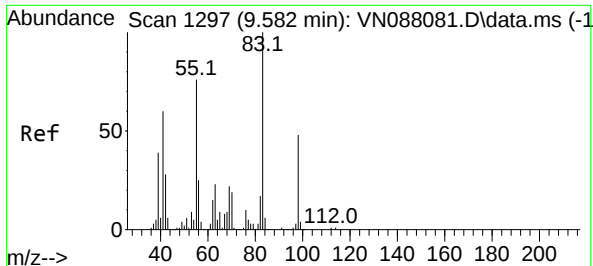
Tgt Ion: 75 Resp: 28412
Ion Ratio Lower Upper
75 100
110 0.0 15.9 47.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.091 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Tgt Ion: 117 Resp: 33101
Ion Ratio Lower Upper
117 100
119 5.0 79.0 118.6#
121 0.0 25.0 37.6#





#39

Methylcyclohexane

Concen: 1.924 ug/l

RT: 9.577 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01

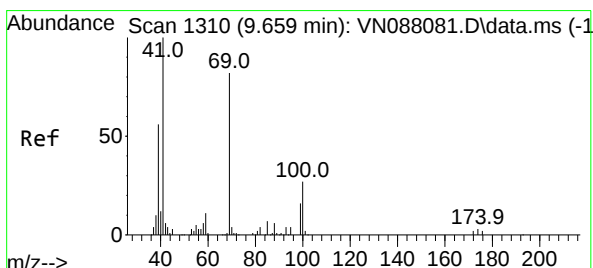
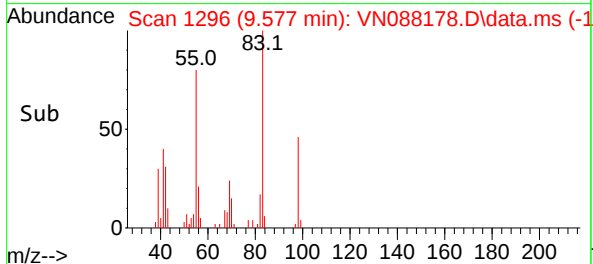
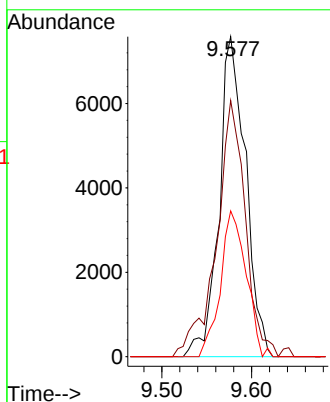
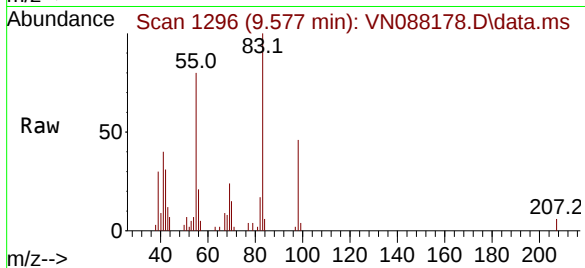
Tgt Ion: 83 Resp: 15566

Ion Ratio Lower Upper

83 100

55 80.0 64.6 96.8

98 45.6 38.4 57.6



#48

Methyl methacrylate

Concen: 0.415 ug/l

RT: 9.759 min Scan# 1327

Delta R.T. 0.094 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

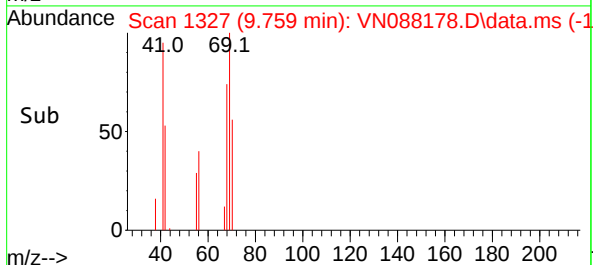
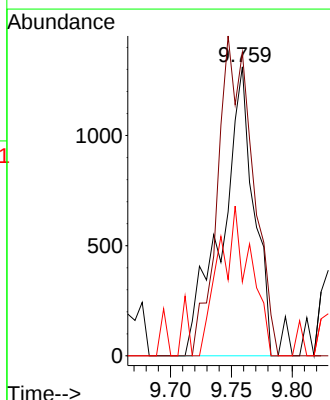
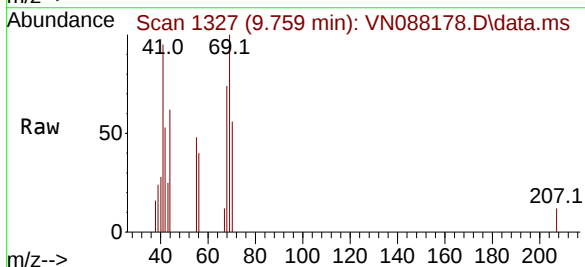
Tgt Ion: 41 Resp: 2393

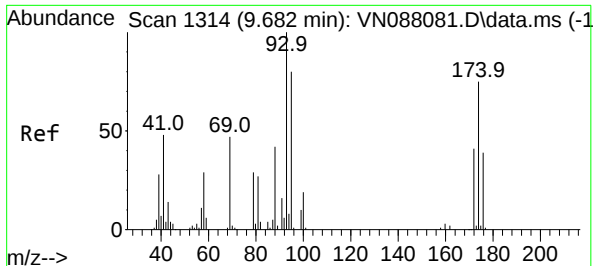
Ion Ratio Lower Upper

41 100

69 122.0 62.7 94.1#

39 51.4 52.9 79.3#





#49

1,4-Dioxane

Concen: 1.786 ug/l

RT: 9.688 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01

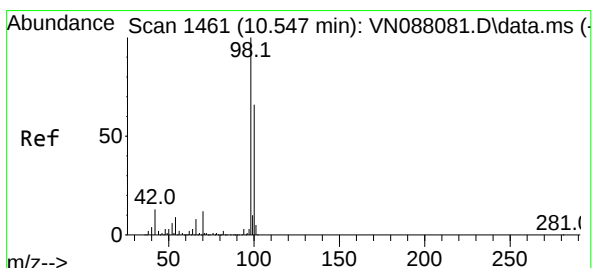
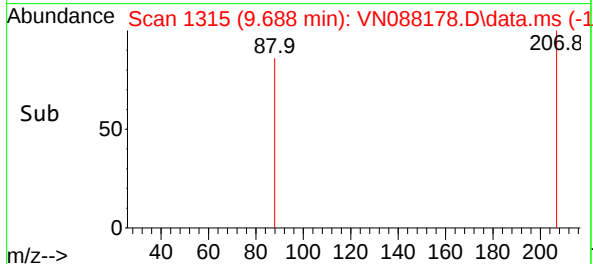
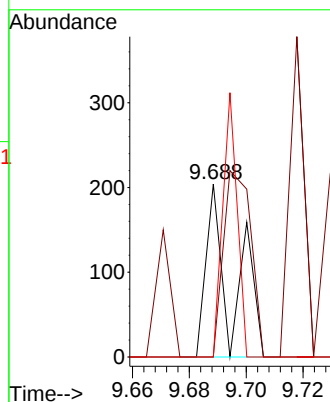
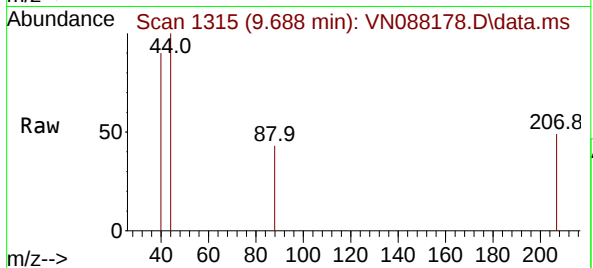
Tgt Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

43 115.6 0.0 0.0#

58 85.9 57.9 86.9



#50

Toluene-d8

Concen: 50.043 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088178.D

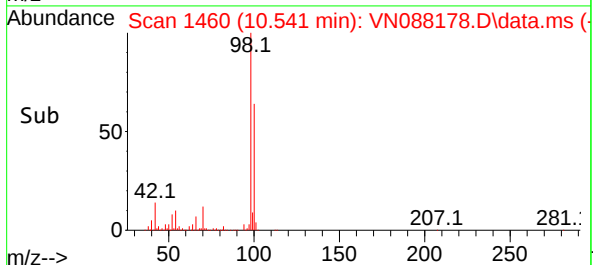
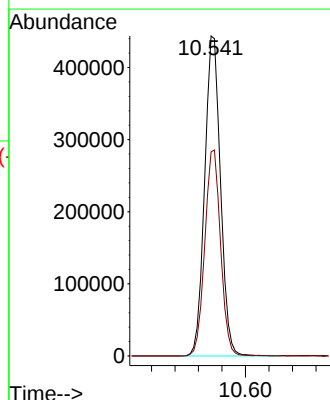
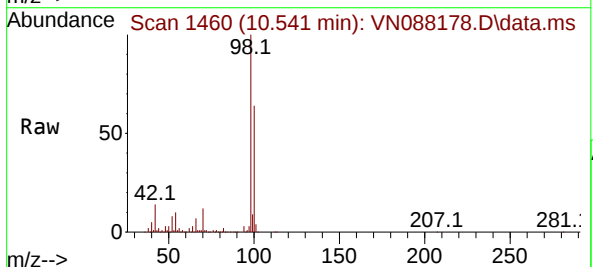
Acq: 31 Oct 2025 11:34

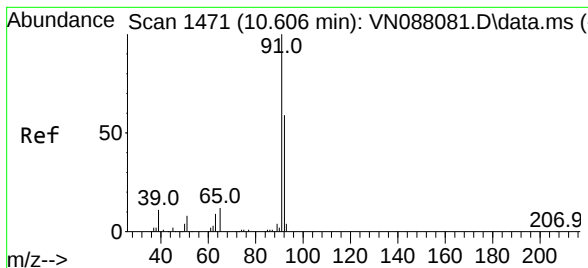
Tgt Ion: 98 Resp: 831276

Ion Ratio Lower Upper

98 100

100 64.0 52.8 79.2





#52

Toluene

Concen: 1.216 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

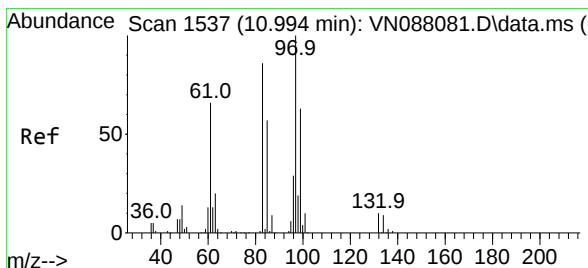
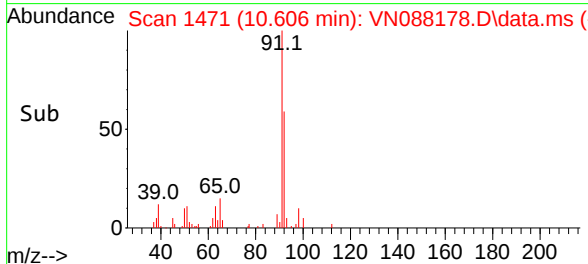
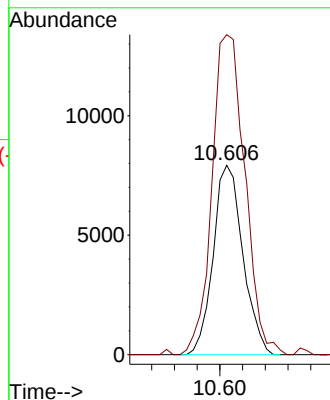
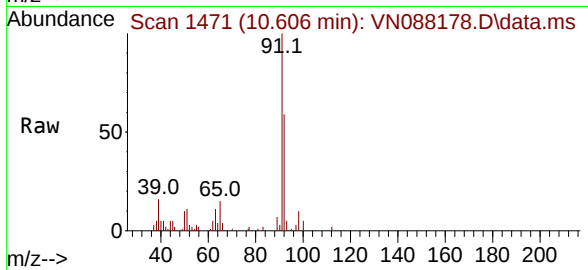
P001-TW1-251023-01

Tgt Ion: 92 Resp: 14370

Ion Ratio Lower Upper

92 100

91 187.6 140.4 210.6



#55

1,1,2-Trichloroethane

Concen: 0.691 ug/l

RT: 10.977 min Scan# 1534

Delta R.T. -0.018 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Tgt Ion: 97 Resp: 3098

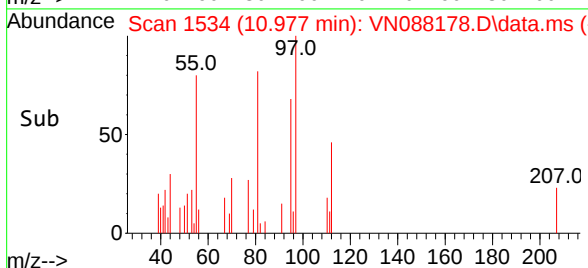
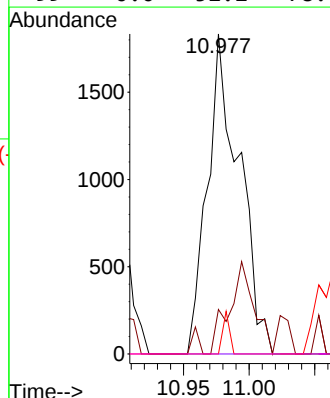
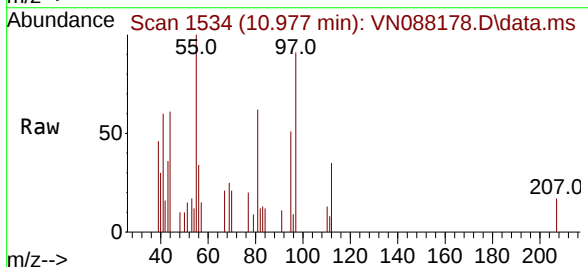
Ion Ratio Lower Upper

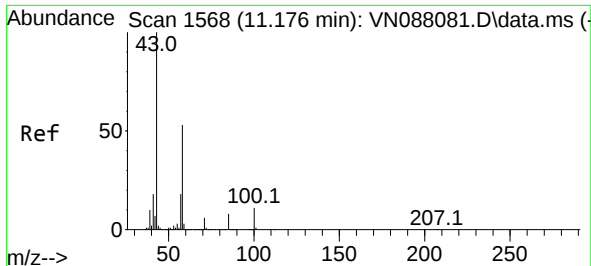
97 100

83 13.9 68.2 102.4#

85 0.0 45.5 68.3#

99 0.0 52.2 78.4#

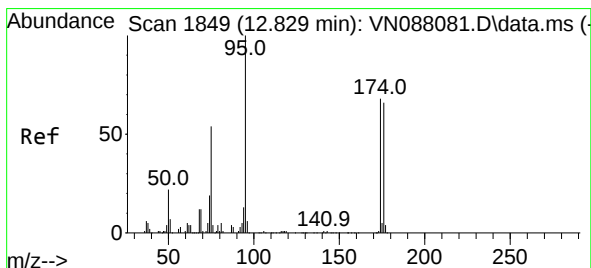
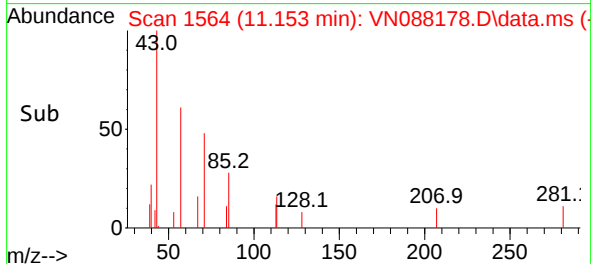
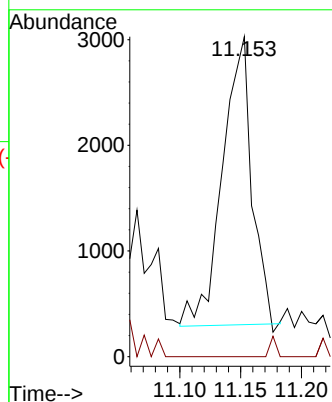
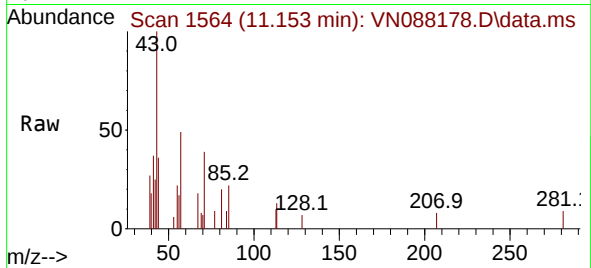




#59
2-Hexanone
Concen: 0.932 ug/l
RT: 11.153 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

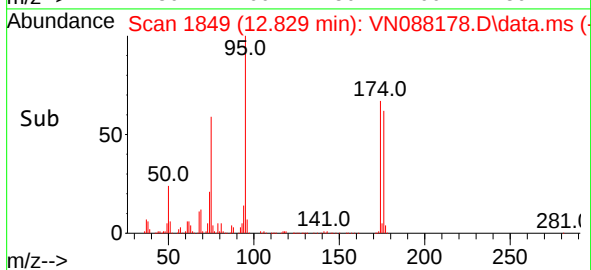
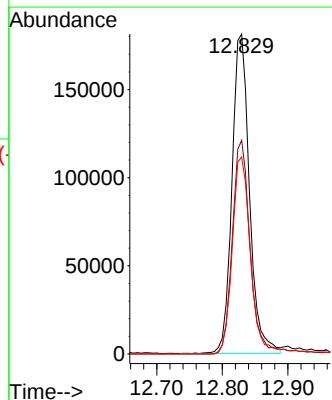
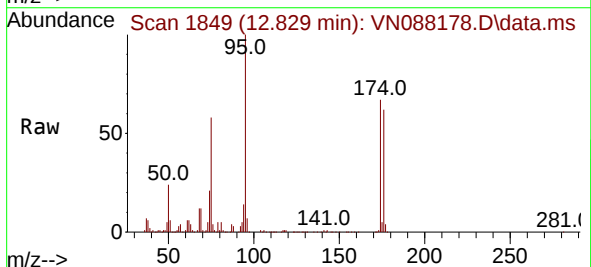
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

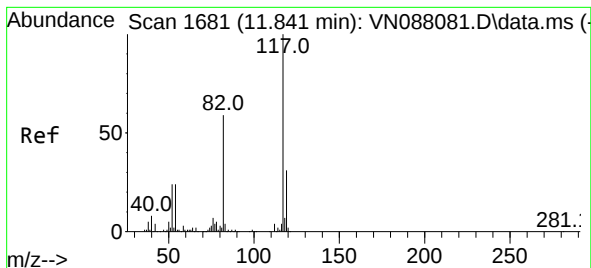
Tgt Ion: 43 Resp: 4565
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 57.489 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Tgt Ion: 95 Resp: 337256
Ion Ratio Lower Upper
95 100
174 68.7 0.0 138.4
176 65.7 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01

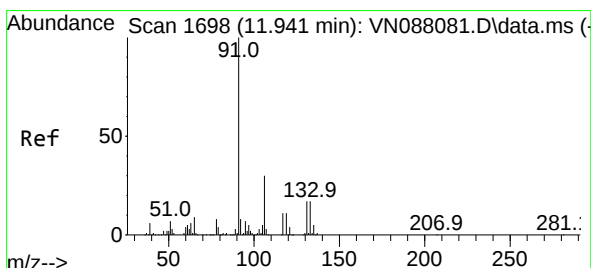
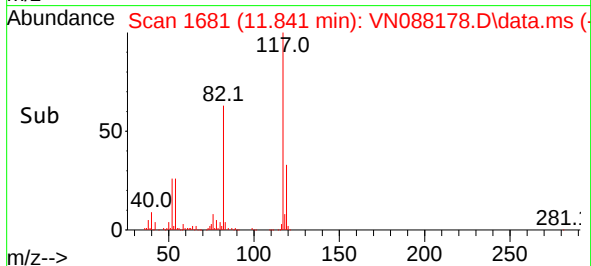
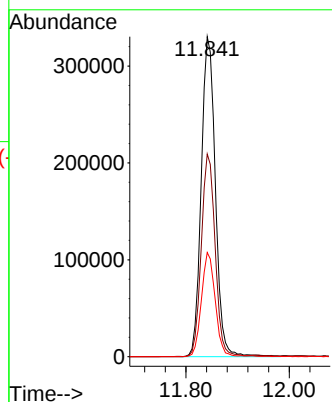
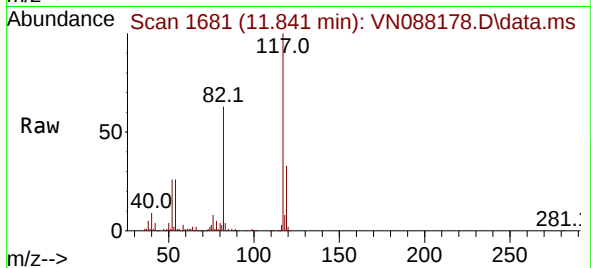
Tgt Ion:117 Resp: 627493

Ion Ratio Lower Upper

117 100

82 63.2 47.4 71.2

119 32.6 24.3 36.5



#67

Ethyl Benzene

Concen: 0.783 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VN088178.D

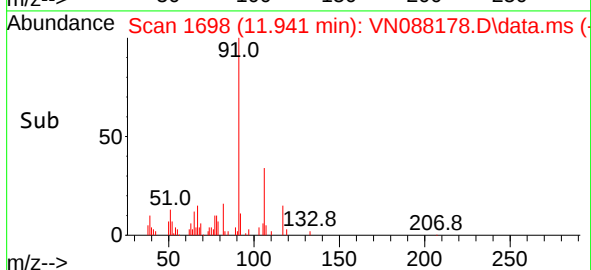
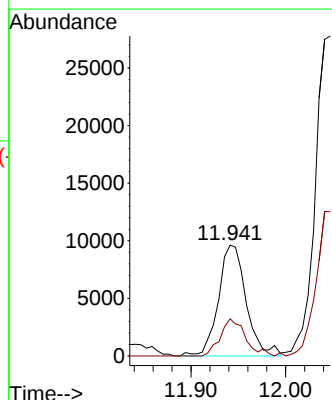
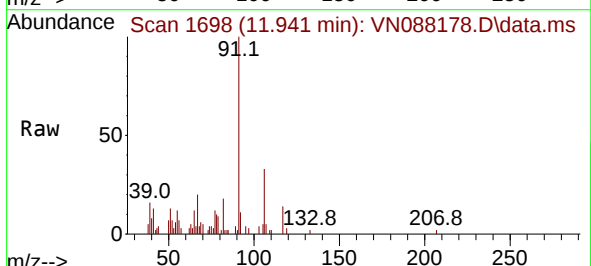
Acq: 31 Oct 2025 11:34

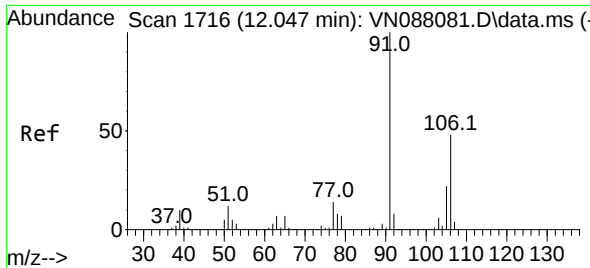
Tgt Ion: 91 Resp: 19595

Ion Ratio Lower Upper

91 100

106 33.5 24.1 36.1

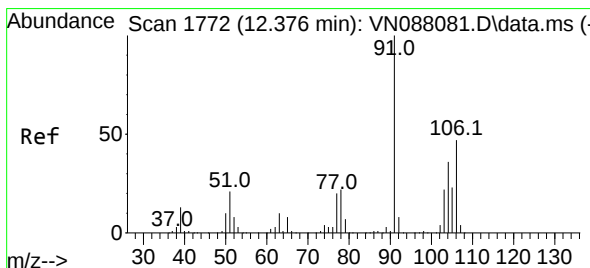
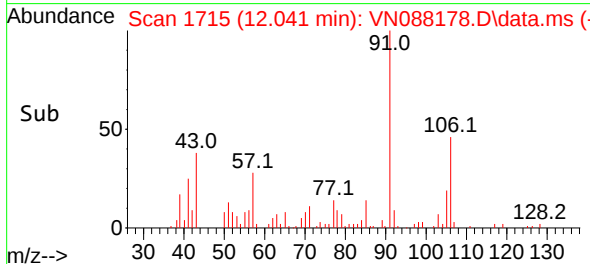
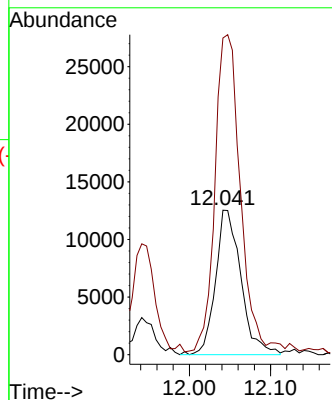
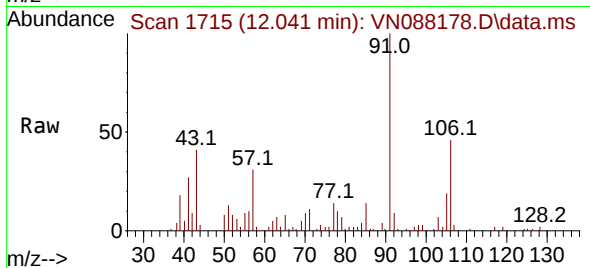




#68
m/p-Xylenes
Concen: 2.914 ug/l
RT: 12.041 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

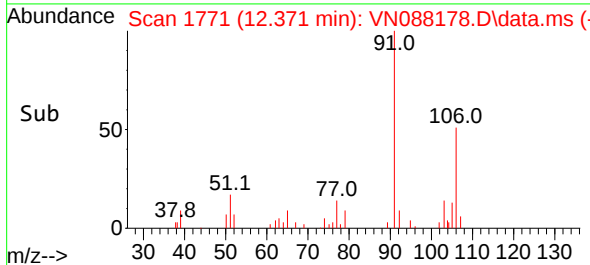
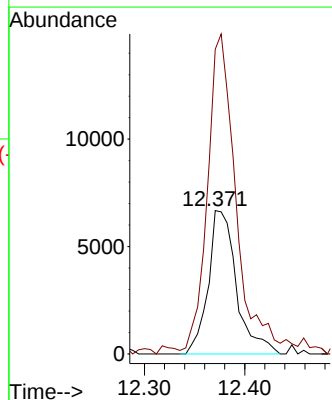
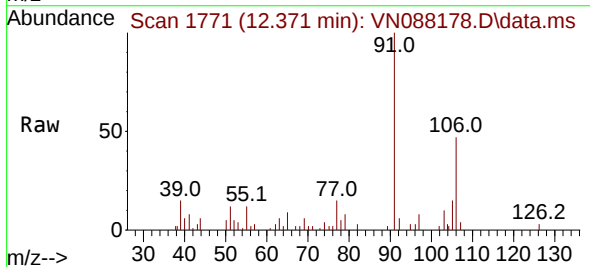
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

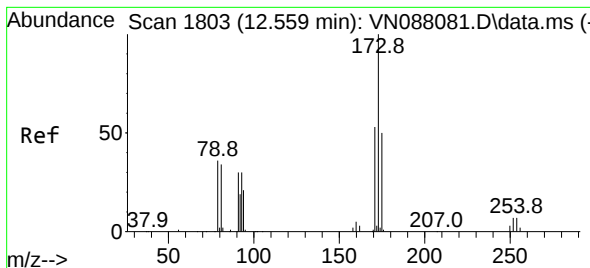
Tgt Ion:106 Resp: 27309
Ion Ratio Lower Upper
106 100
91 221.0 169.3 253.9



#69
o-Xylene
Concen: 1.471 ug/l
RT: 12.371 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Tgt Ion:106 Resp: 13066
Ion Ratio Lower Upper
106 100
91 219.7 111.4 334.2





#71

Bromoform

Concen: 0.695 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01

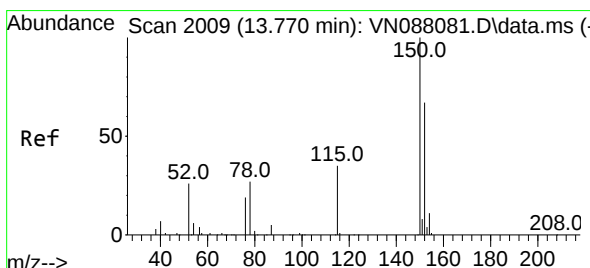
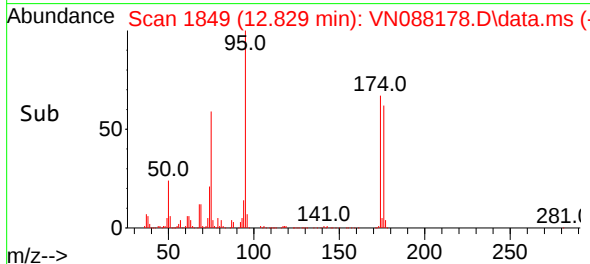
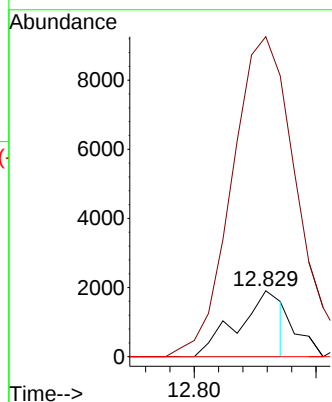
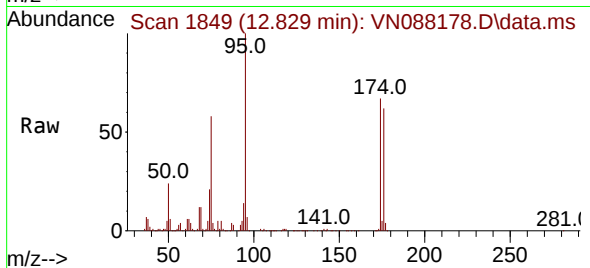
Tgt Ion:173 Resp: 2422

Ion Ratio Lower Upper

173 100

175 549.8 24.9 74.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

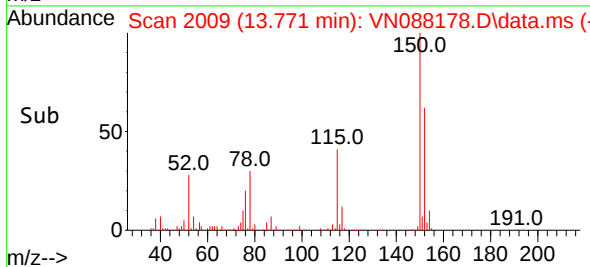
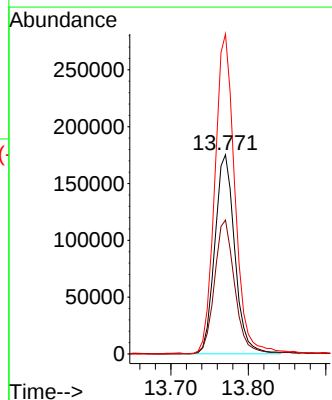
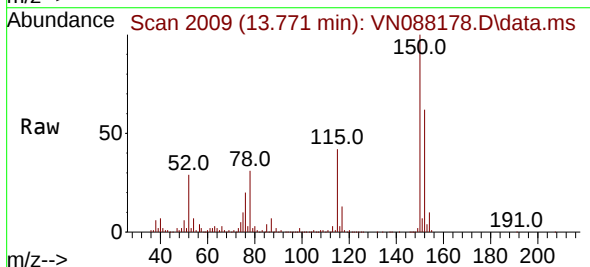
Tgt Ion:152 Resp: 313309

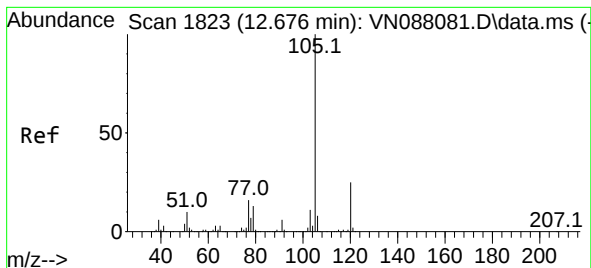
Ion Ratio Lower Upper

152 100

115 68.0 32.3 96.8

150 162.9 0.0 351.0





#73

Isopropylbenzene

Concen: 0.294 ug/l

RT: 12.682 min Scan# 1823

Delta R.T. 0.012 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

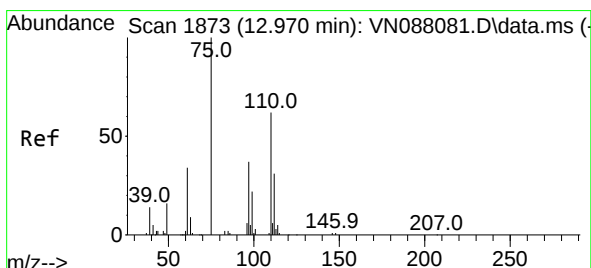
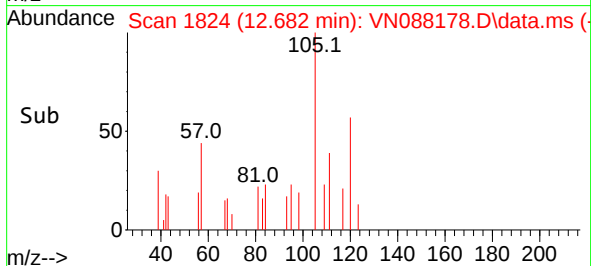
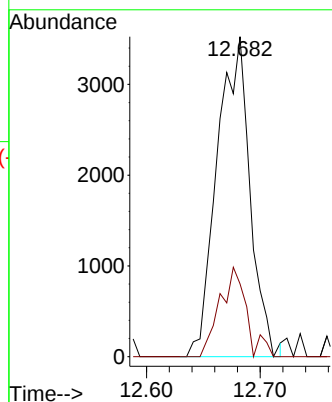
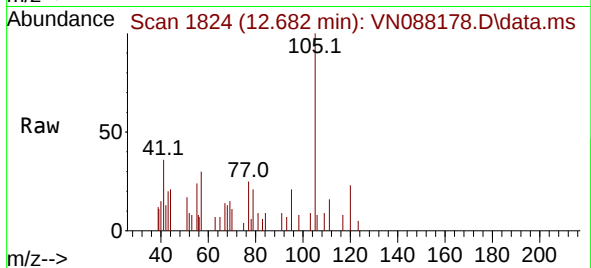
P001-TW1-251023-01

Tgt Ion:105 Resp: 7098

Ion Ratio Lower Upper

105 100

120 22.6 12.8 38.3



#76

1,2,3-Trichloropropane

Concen: 27.158 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088178.D

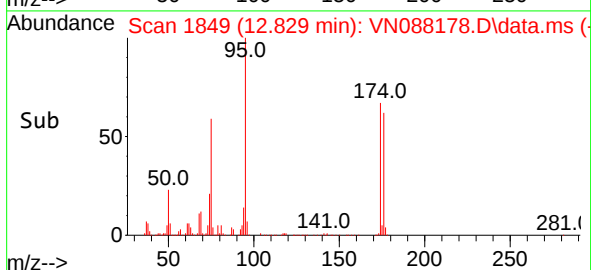
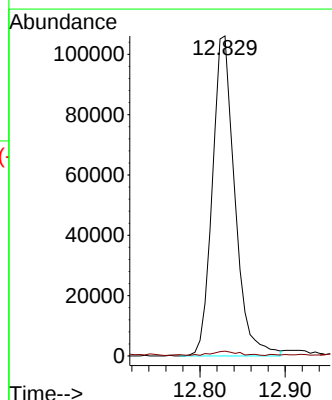
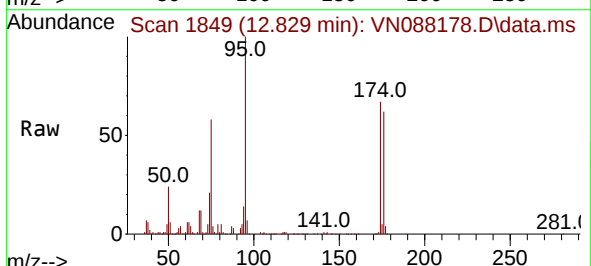
Acq: 31 Oct 2025 11:34

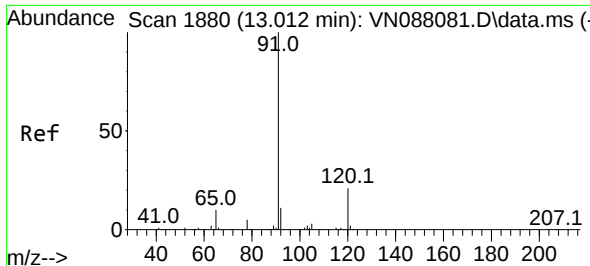
Tgt Ion: 75 Resp: 194538

Ion Ratio Lower Upper

75 100

77 1.5 89.1 267.4#

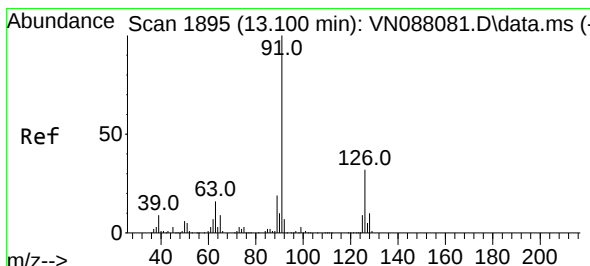
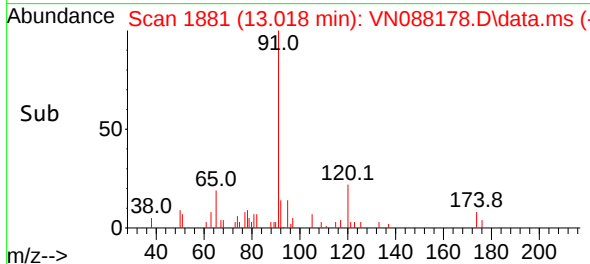
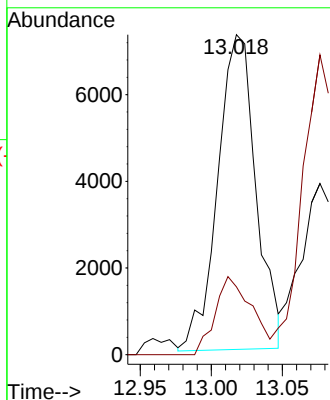
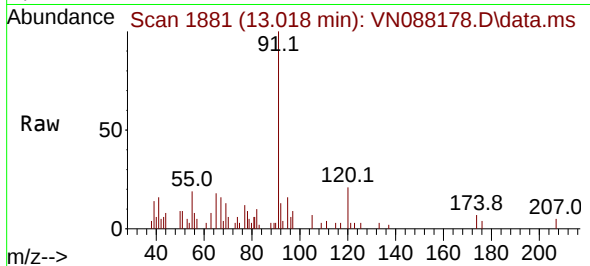




#78
n-propylbenzene
Concen: 0.463 ug/l
RT: 13.018 min Scan# 1880
Delta R.T. 0.006 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

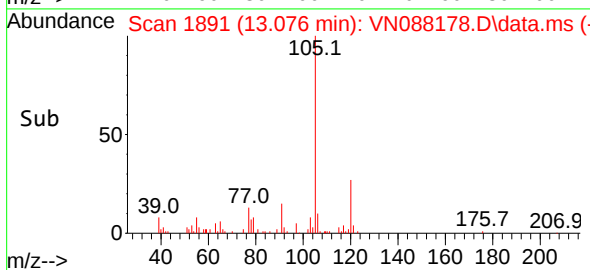
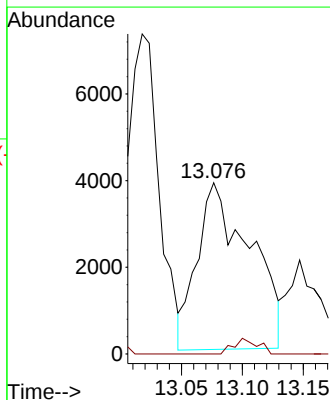
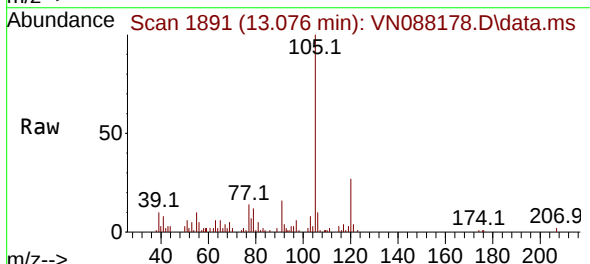
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

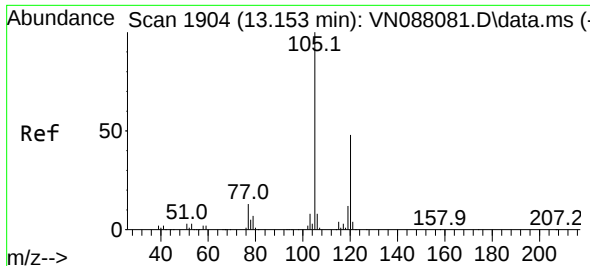
Tgt Ion: 91 Resp: 13656
Ion Ratio Lower Upper
91 100
120 23.7 10.7 32.1



#79
2-Chlorotoluene
Concen: 0.693 ug/l
RT: 13.076 min Scan# 1891
Delta R.T. -0.024 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Tgt Ion: 91 Resp: 11655
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.3#

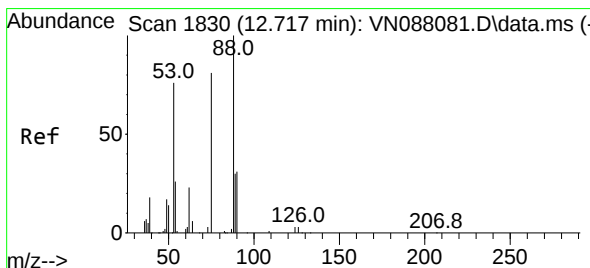
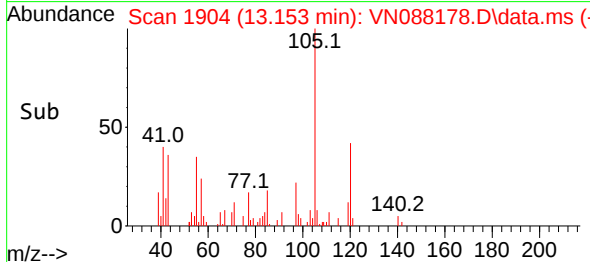
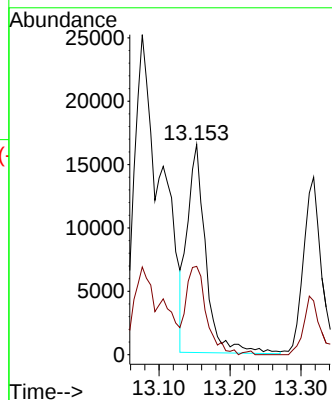
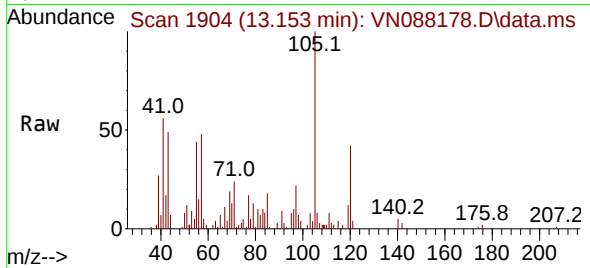




#80
1,3,5-Trimethylbenzene
Concen: 1.482 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

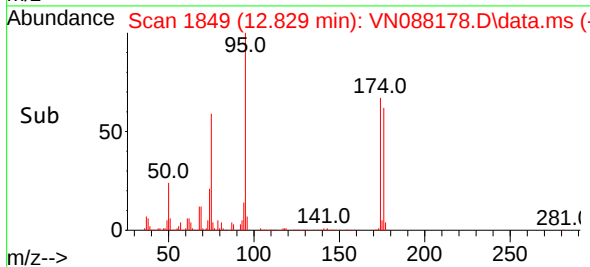
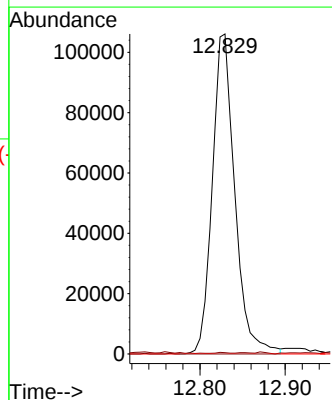
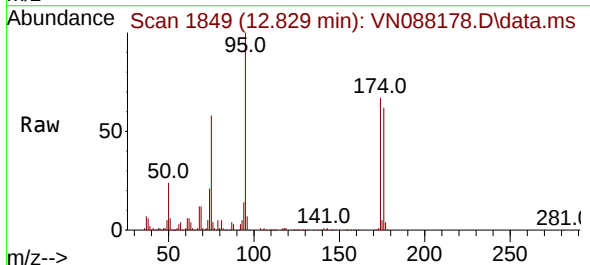
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

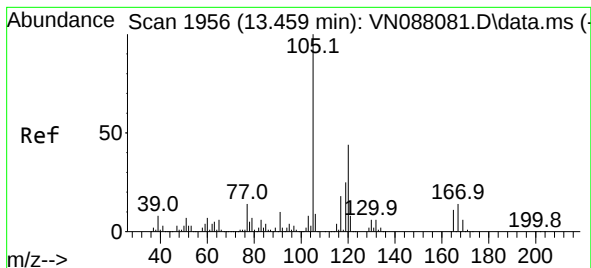
Tgt Ion:105 Resp: 29751
Ion Ratio Lower Upper
105 100
120 46.1 23.2 69.6



#81
trans-1,4-Dichloro-2-butene
Concen: 75.758 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088178.D
Acq: 31 Oct 2025 11:34

Tgt Ion: 75 Resp: 194538
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#





#84

1,2,4-Trimethylbenzene

Concen: 4.289 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

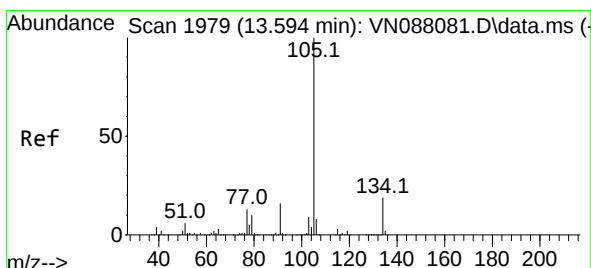
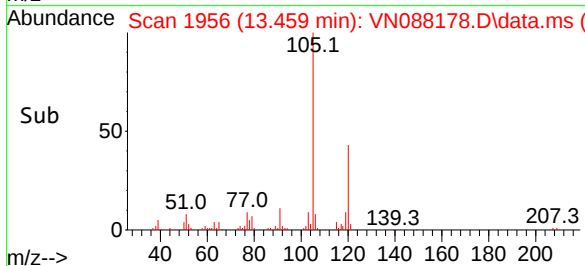
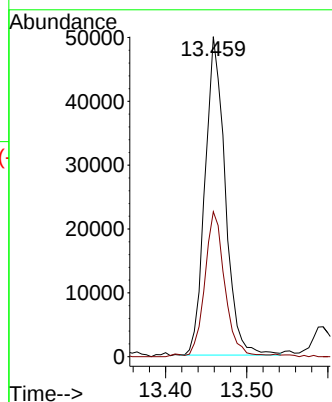
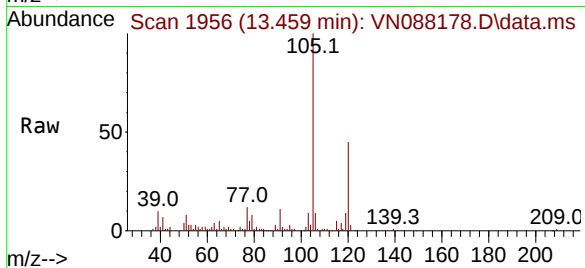
P001-TW1-251023-01

Tgt Ion:105 Resp: 86130

Ion Ratio Lower Upper

105 100

120 43.5 22.0 66.0



#85

sec-Butylbenzene

Concen: 0.273 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN088178.D

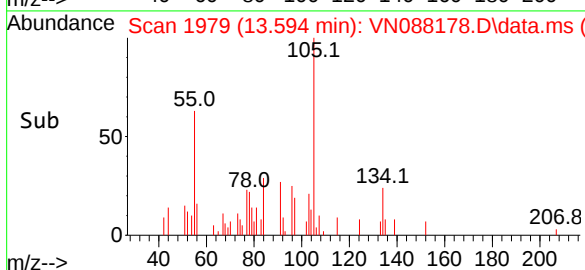
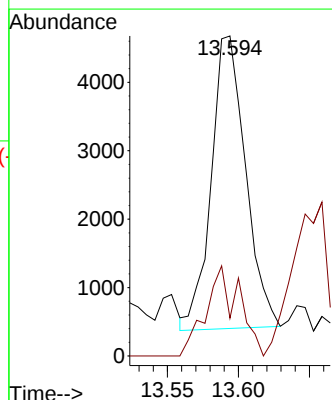
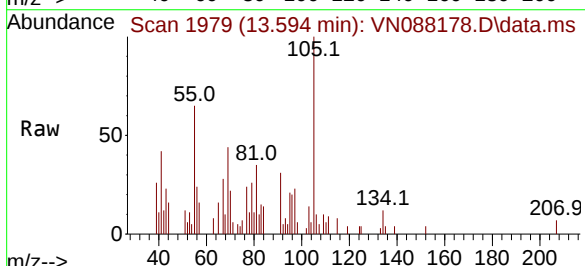
Acq: 31 Oct 2025 11:34

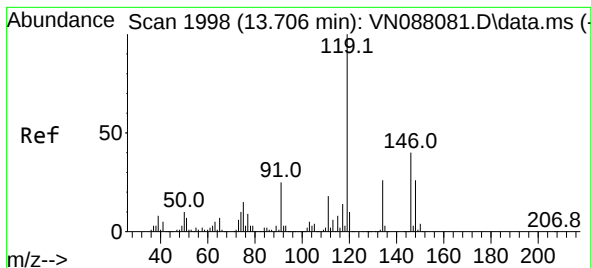
Tgt Ion:105 Resp: 7186

Ion Ratio Lower Upper

105 100

134 29.8 9.6 28.6#





#86

p-Isopropyltoluene

Concen: 0.672 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01

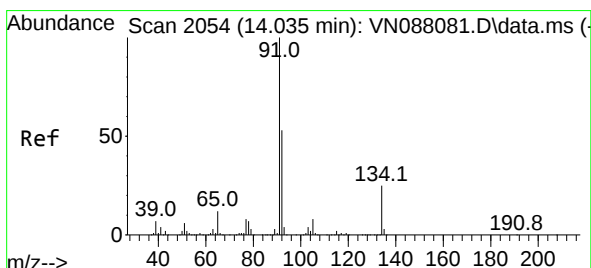
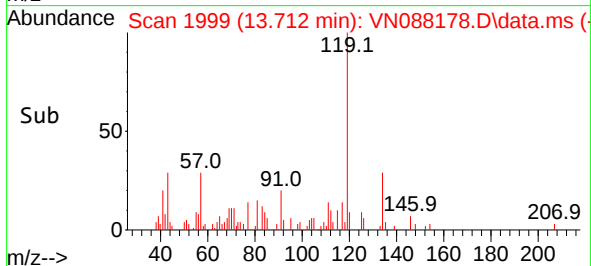
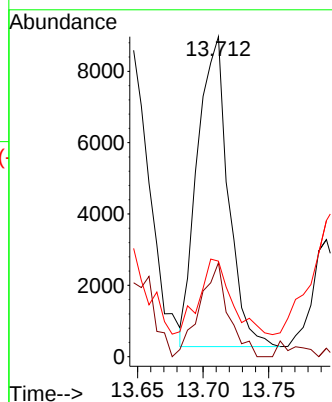
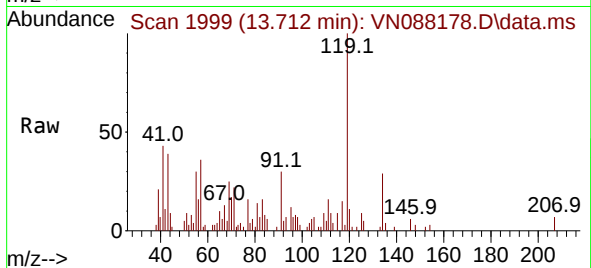
Tgt Ion:119 Resp: 14208

Ion Ratio Lower Upper

119 100

134 28.2 12.7 38.0

91 25.3 12.5 37.5



#89

n-Butylbenzene

Concen: 0.793 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

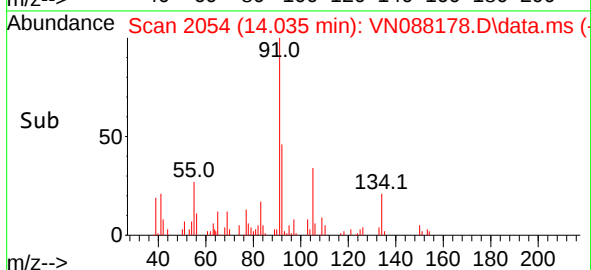
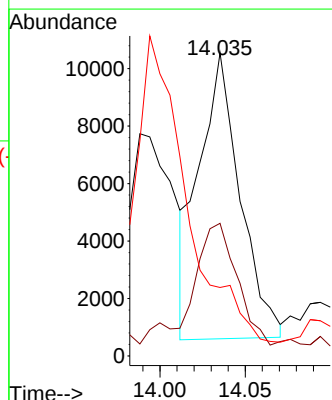
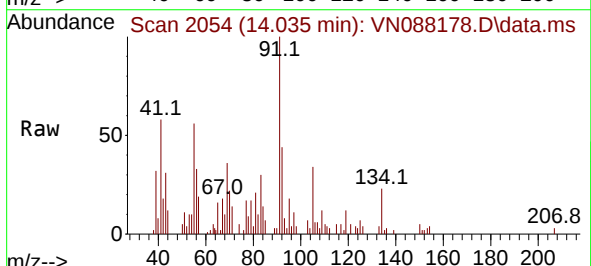
Tgt Ion: 91 Resp: 16599

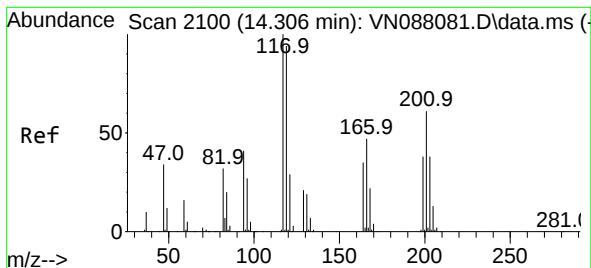
Ion Ratio Lower Upper

91 100

92 47.6 25.9 77.8

134 0.0 11.7 35.0#





#90

Hexachloroethane

Concen: 1.521 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. -0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

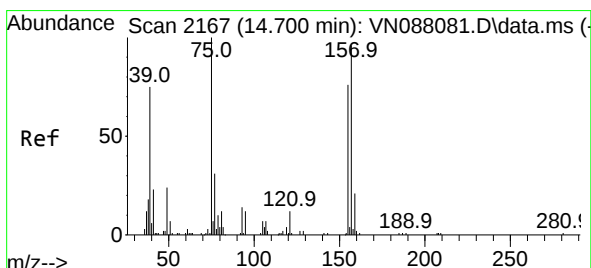
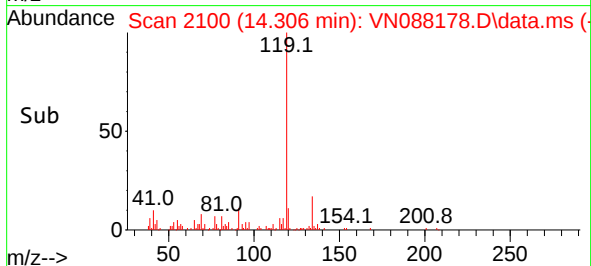
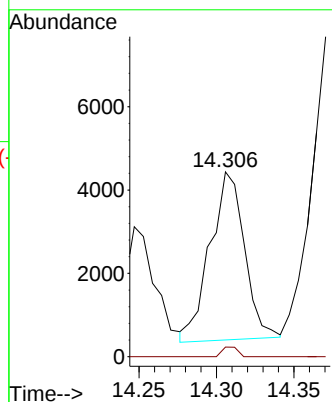
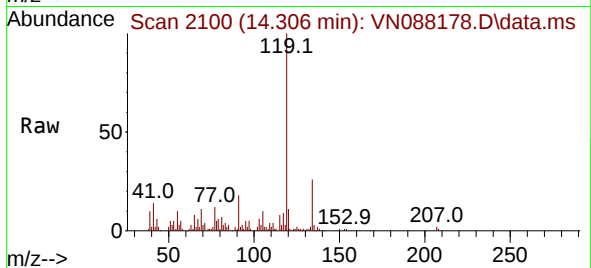
P001-TW1-251023-01

Tgt Ion:117 Resp: 6224

Ion Ratio Lower Upper

117 100

201 2.6 29.1 87.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.436 ug/l

RT: 14.706 min Scan# 2168

Delta R.T. 0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

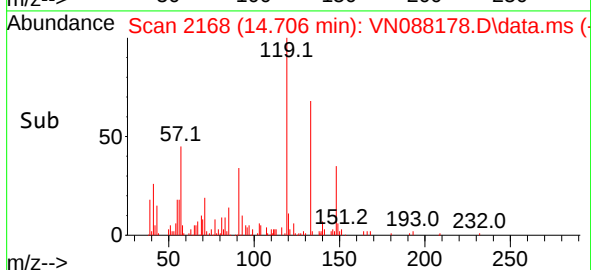
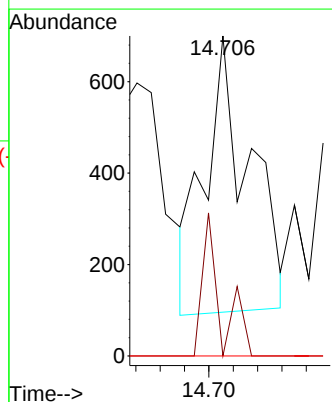
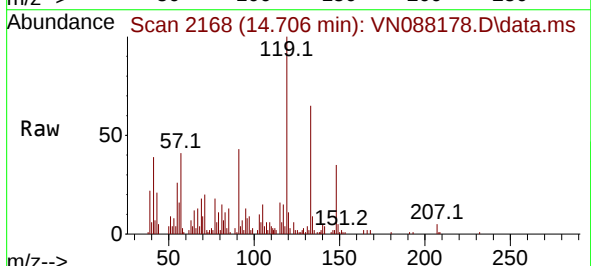
Tgt Ion: 75 Resp: 763

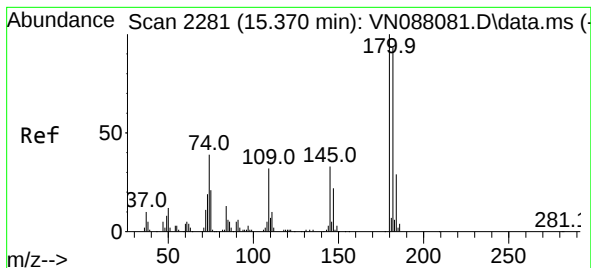
Ion Ratio Lower Upper

75 100

155 21.5 36.6 109.9#

157 0.0 45.6 136.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.494 ug/l

RT: 15.370 min Scan# 2281

Delta R.T. 0.006 min

Lab File: VN088178.D

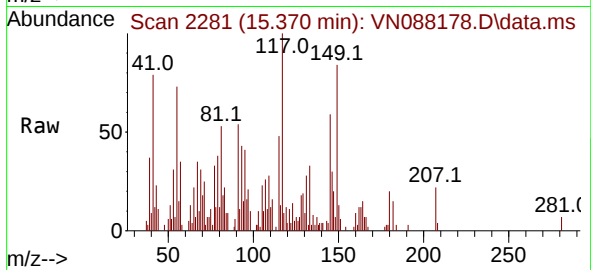
Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01



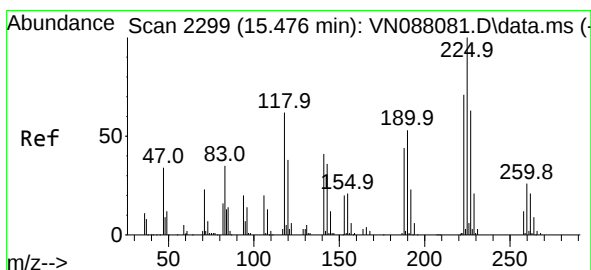
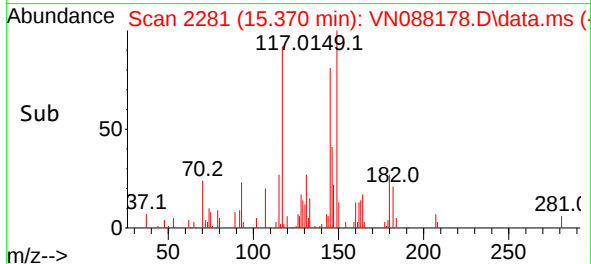
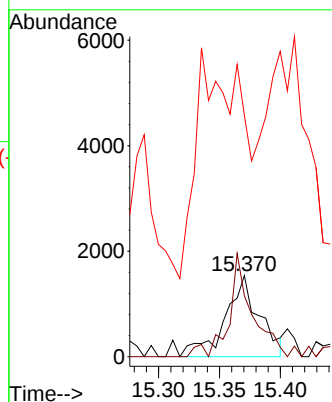
Tgt Ion:180 Resp: 3001

Ion Ratio Lower Upper

180 100

182 86.5 47.6 142.9

145 0.0 16.5 49.5#



#94

Hexachlorobutadiene

Concen: 1.015 ug/l

RT: 15.470 min Scan# 2298

Delta R.T. -0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

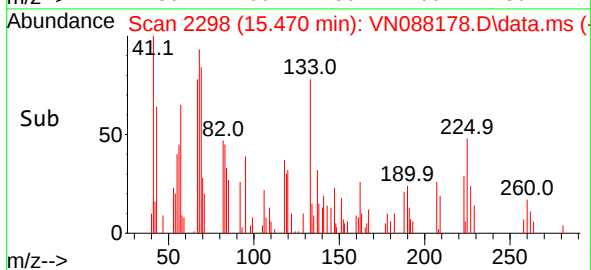
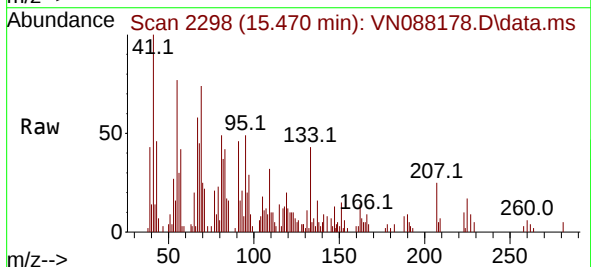
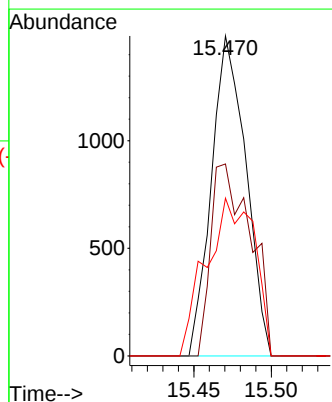
Tgt Ion:225 Resp: 2296

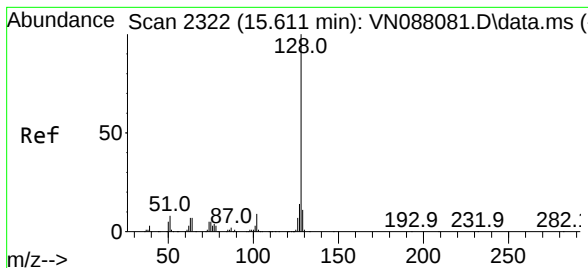
Ion Ratio Lower Upper

225 100

223 69.0 32.0 96.2

227 69.0 32.1 96.5





#95

Naphthalene

Concen: 29.086 ug/l

RT: 15.612 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01

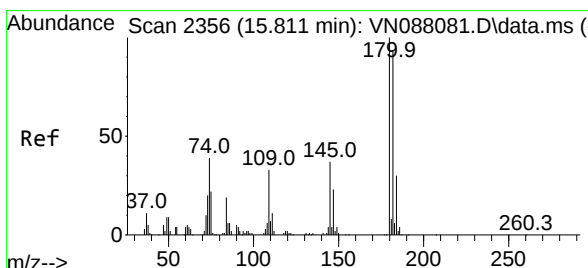
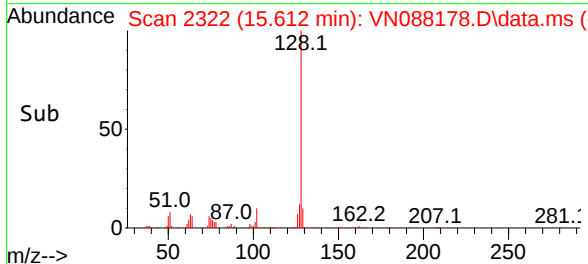
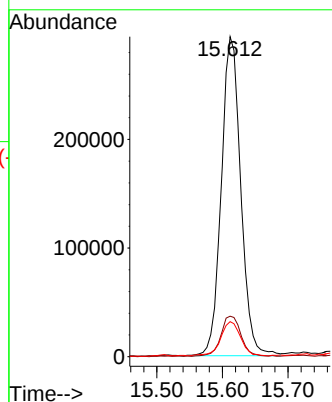
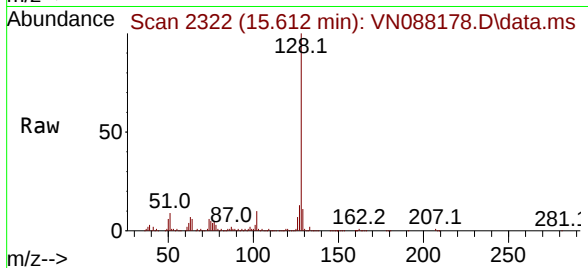
Tgt Ion:128 Resp: 605105

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 10.9 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 0.347 ug/l

RT: 15.817 min Scan# 2357

Delta R.T. 0.006 min

Lab File: VN088178.D

Acq: 31 Oct 2025 11:34

Tgt Ion:180 Resp: 2020

Ion Ratio Lower Upper

180 100

182 127.6 46.8 140.3

145 0.0 17.3 52.0#

