

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050423\
 Data File : VN077587.D
 Acq On : 04 May 2023 18:38
 Operator : JC\MD
 Sample : 02566-05DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1989DL

Quant Time: May 05 04:12:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

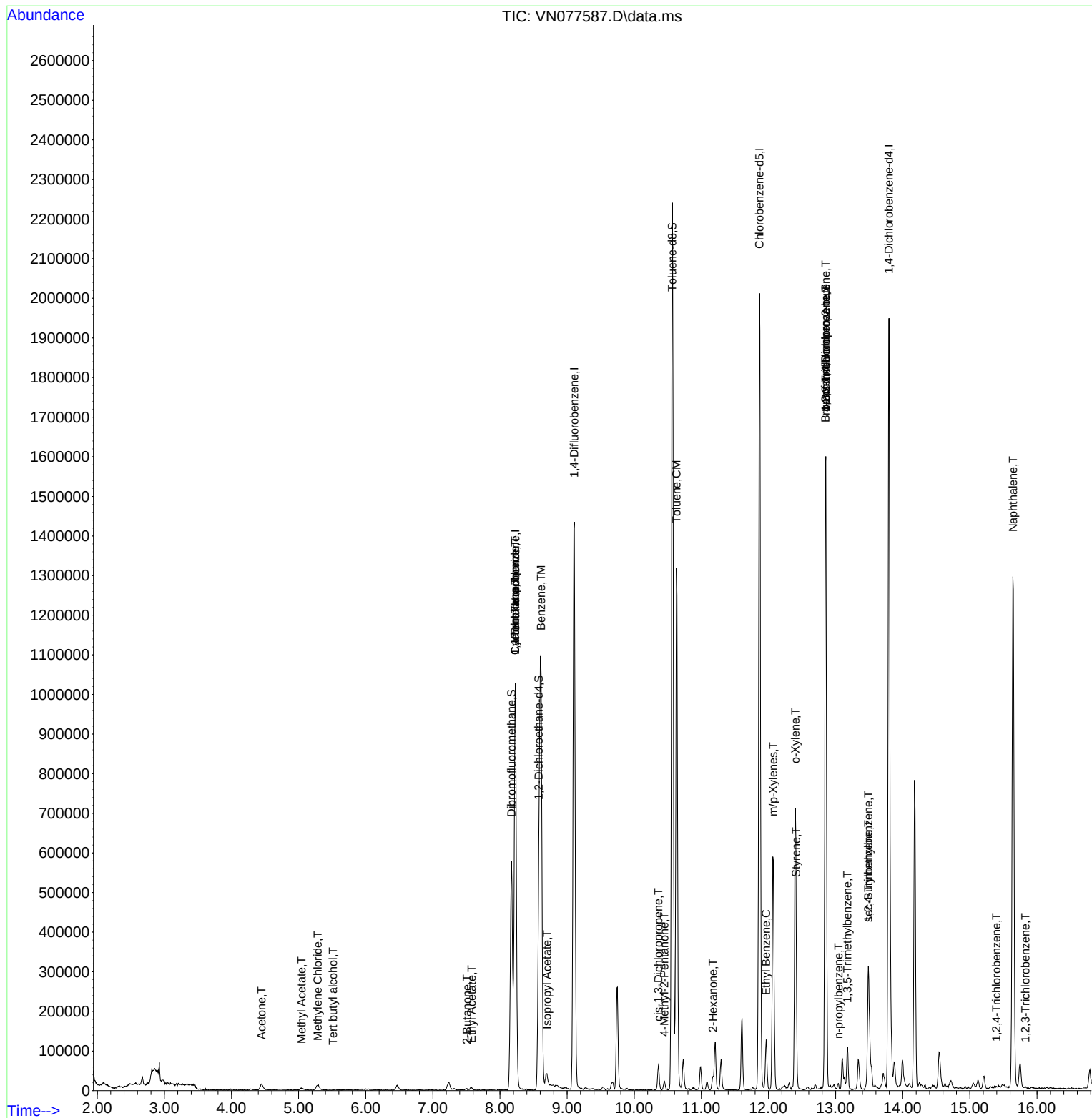
Internal Standards						
1) Pentafluorobenzene	8.231	168	757155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1403540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1299156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	544201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.578	65	445992	45.141	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.280%
35) Dibromofluoromethane	8.172	113	420694	49.870	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.740%
50) Toluene-d8	10.566	98	1683874	52.082	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.160%
62) 4-Bromofluorobenzene	12.854	95	619146	58.532	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.513	59	557	0.351	ug/l #	72
16) Acetone	4.449	43	27633	8.791	ug/l	97
18) Methyl Acetate	5.043	43	10797	0.890	ug/l #	73
20) Methylene Chloride	5.284	84	12515	1.256	ug/l #	84
25) 2-Butanone	7.507	43	5887	1.321	ug/l #	81
31) Cyclohexane	8.225	56	15618	1.116	ug/l #	16
36) 1,1-Dichloropropene	8.225	75	59565	4.887	ug/l #	50
37) Ethyl Acetate	7.578	43	8800	0.950	ug/l #	89
38) Carbon Tetrachloride	8.225	117	82973	6.171	ug/l #	15
40) Benzene	8.613	78	1138657	30.669	ug/l	100
43) Isopropyl Acetate	8.701	43	39057	2.438	ug/l	93
51) 4-Methyl-2-Pentanone	10.448	43	13961	1.486	ug/l	100
52) Toluene	10.630	92	629463	25.880	ug/l	100
54) cis-1,3-Dichloropropene	10.360	75	13967	0.928	ug/l #	62
59) 2-Hexanone	11.172	43	20994	3.073	ug/l #	19
67) Ethyl Benzene	11.966	91	93212	1.926	ug/l	97
68) m/p-Xylenes	12.072	106	207941	11.055	ug/l	96
69) o-Xylene	12.401	106	214597	11.599	ug/l	97
70) Styrene	12.413	104	40384	1.396	ug/l #	26
71) Bromoform	12.848	173	2524	0.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	305547	24.145	ug/l #	1
78) n-propylbenzene	13.042	91	13312	0.238	ug/l	94
80) 1,3,5-Trimethylbenzene	13.177	105	60446	1.612	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.854	75	305547	68.213	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.489	105	218297	6.233	ug/l	88
85) sec-Butylbenzene	13.489	105	218297	4.367	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.395	180	765	0.991	ug/l #	73
95) Naphthalene	15.642	128	1322029	53.914	ug/l	99
96) 1,2,3-Trichlorobenzene	15.830	180	357	0.572	ug/l #	11

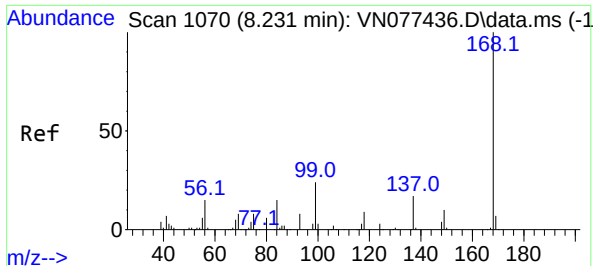
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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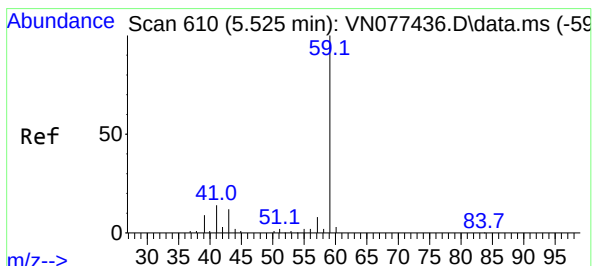
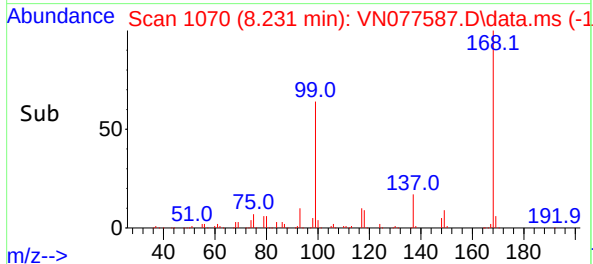
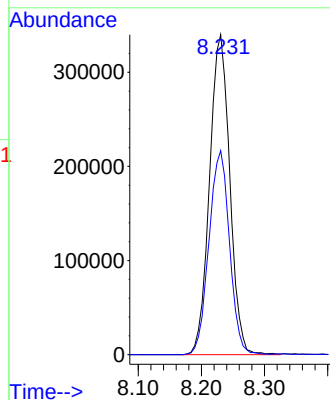
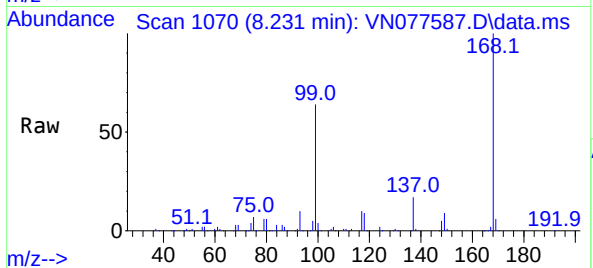




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

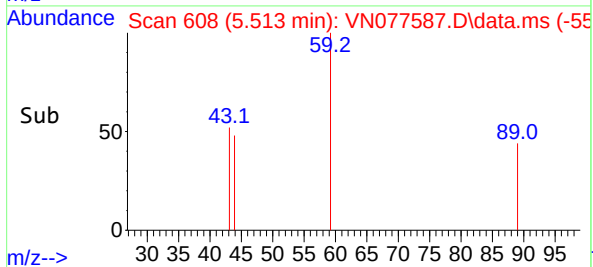
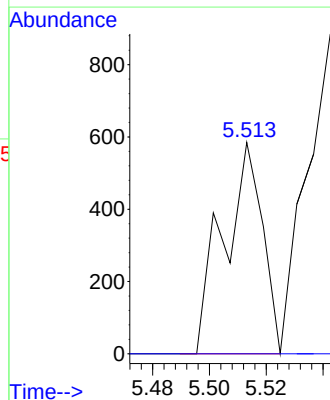
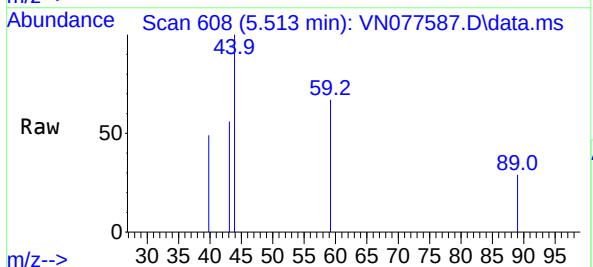
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

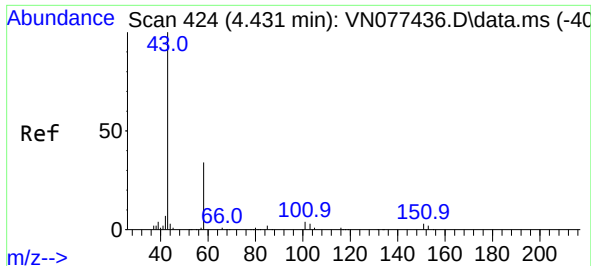
Tgt Ion:168 Resp: 757155
Ion Ratio Lower Upper
168 100
99 63.7 53.0 79.6



#11
Tert butyl alcohol
Concen: 0.351 ug/l
RT: 5.513 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 59 Resp: 557
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

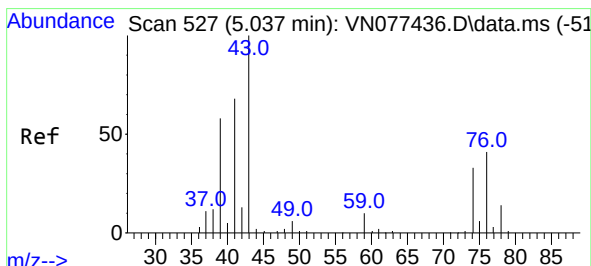
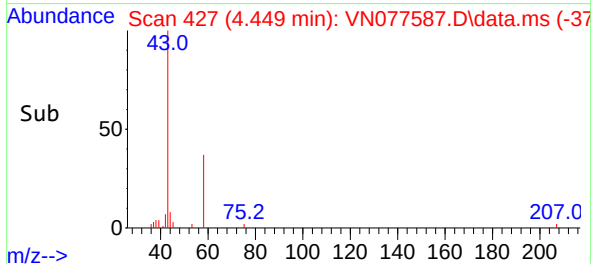
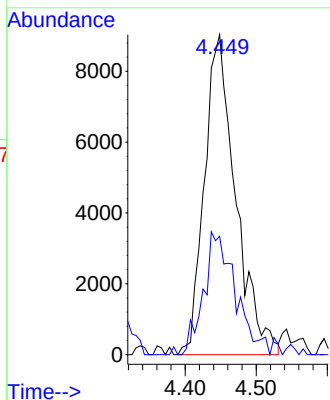
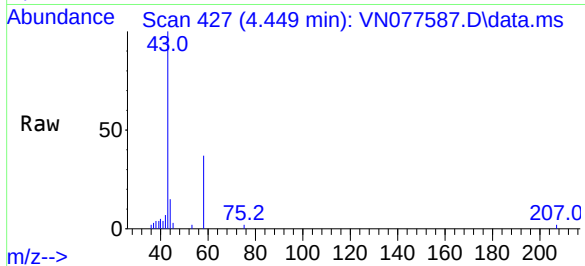




#16
Acetone
Concen: 8.791 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

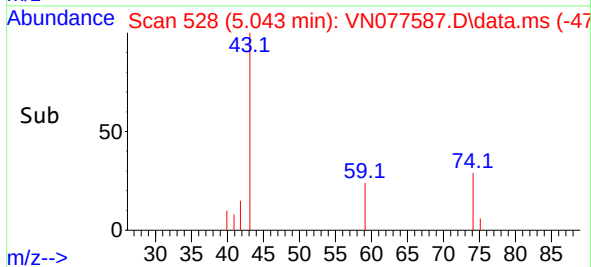
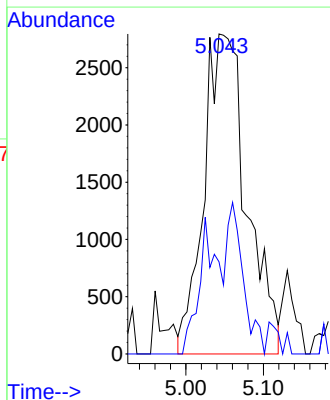
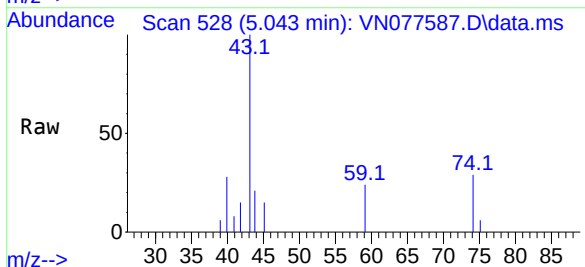
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

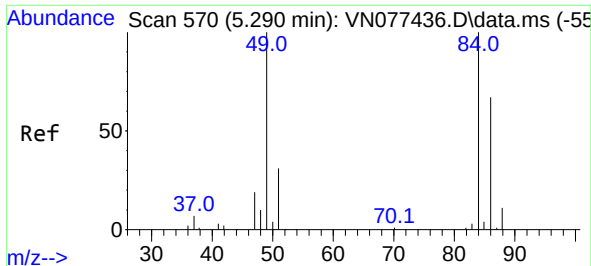
Tgt Ion: 43 Resp: 27633
Ion Ratio Lower Upper
43 100
58 37.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.890 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 43 Resp: 10797
Ion Ratio Lower Upper
43 100
74 17.9 26.2 39.4#

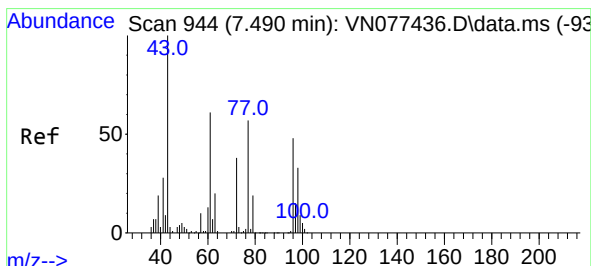
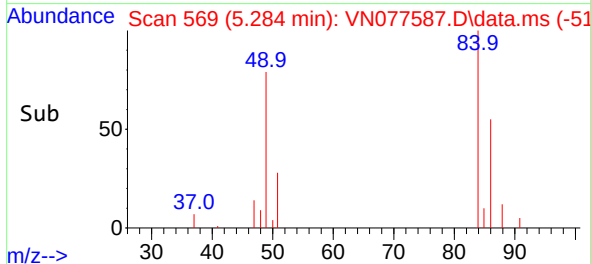
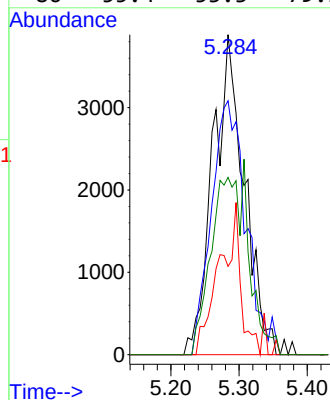
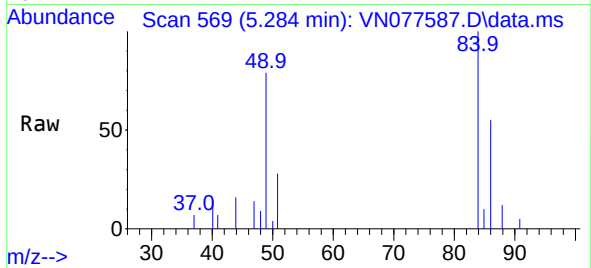




#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 5.284 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

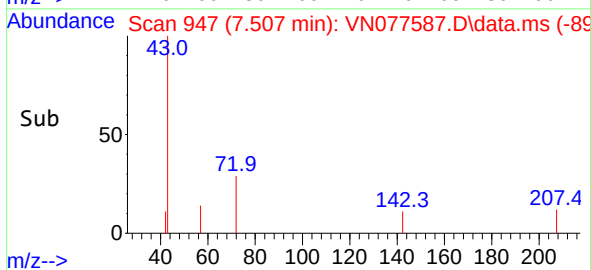
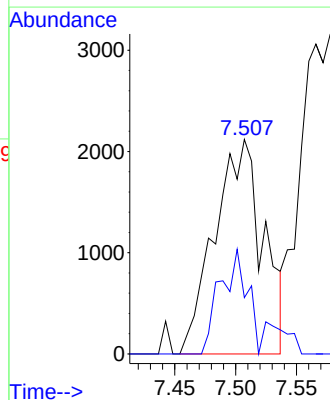
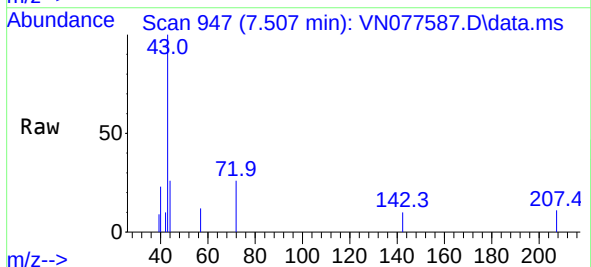
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

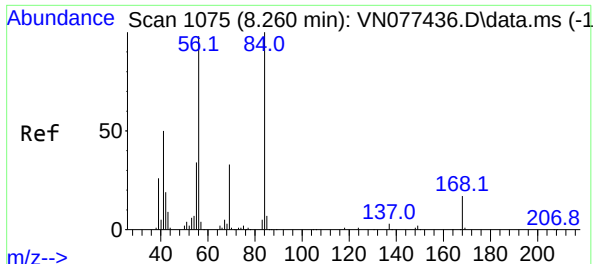
Tgt Ion: 84	Resp: 12515
Ion Ratio	Lower Upper
84 100	
49 79.3	79.7 119.5#
51 27.6	25.2 37.8
86 55.4	53.3 79.9



#25
2-Butanone
Concen: 1.321 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.018 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 43	Resp: 5887		
Ion Ratio	Lower	Upper	
43 100			
72 26.3	30.2	45.2#	

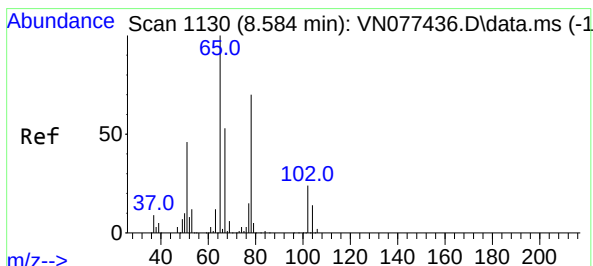
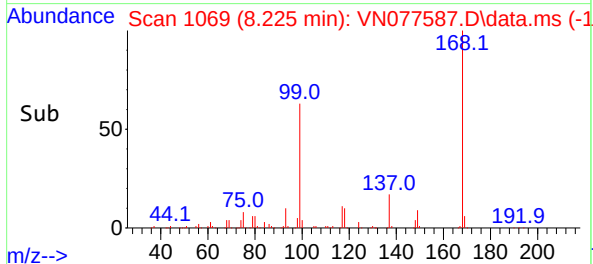
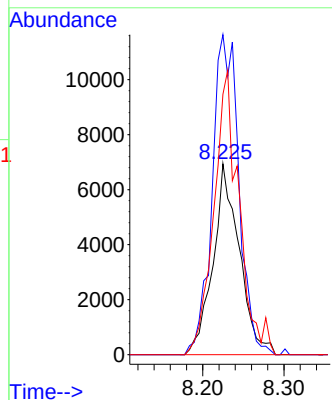
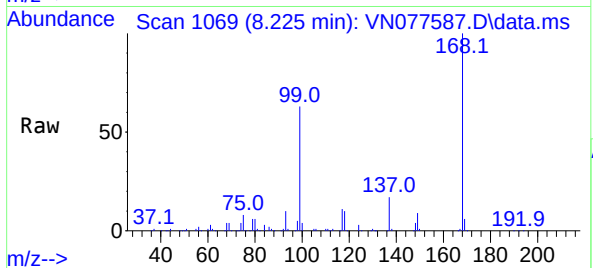




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

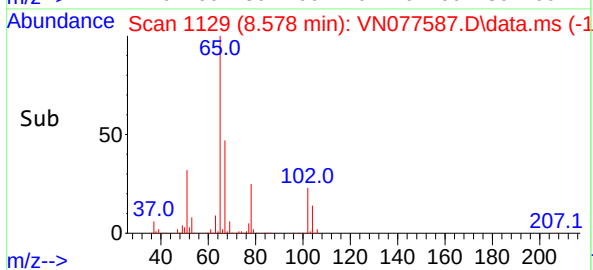
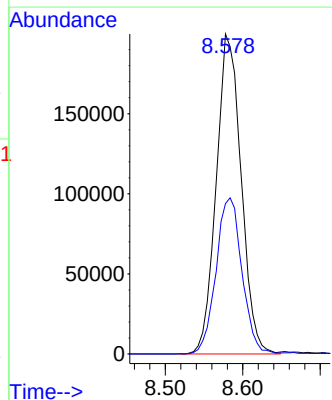
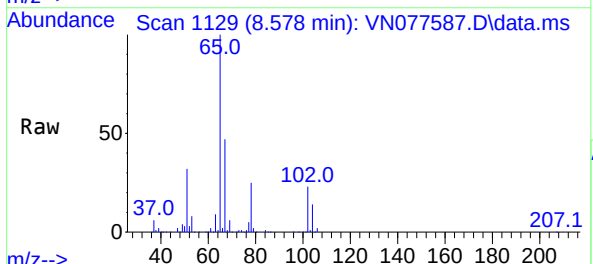
Instrument :
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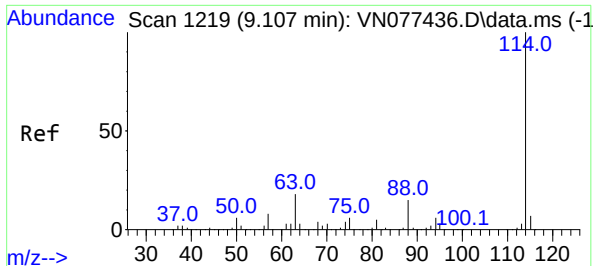
Tgt Ion: 56 Resp: 15618
Ion Ratio Lower Upper
56 100
69 167.7 26.8 40.2#
84 136.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.141 ug/l
RT: 8.578 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 65 Resp: 445992
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077587.D

Acq: 04 May 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

AUD-1989DL

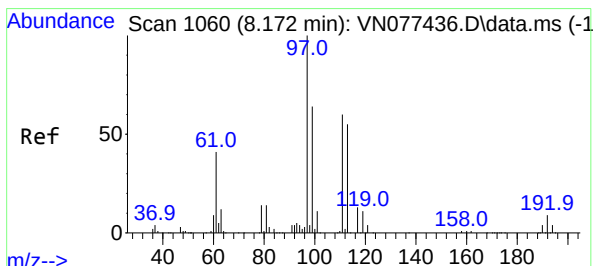
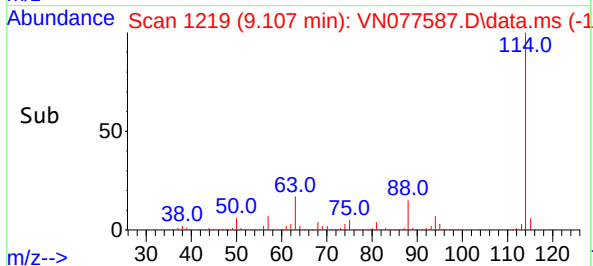
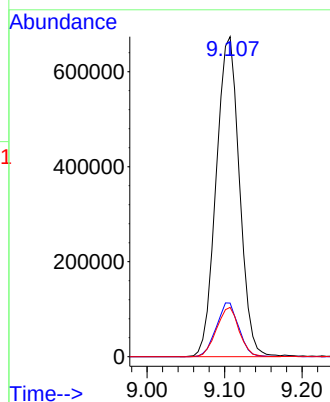
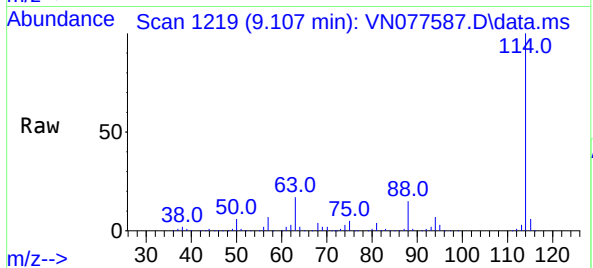
Tgt Ion:114 Resp: 1403540

Ion Ratio Lower Upper

114 100

63 16.8 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.870 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077587.D

Acq: 04 May 2023 18:38

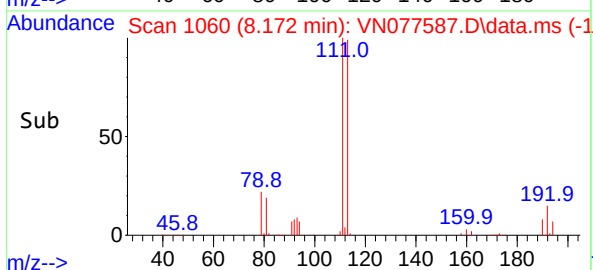
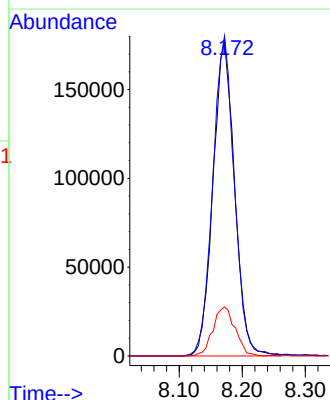
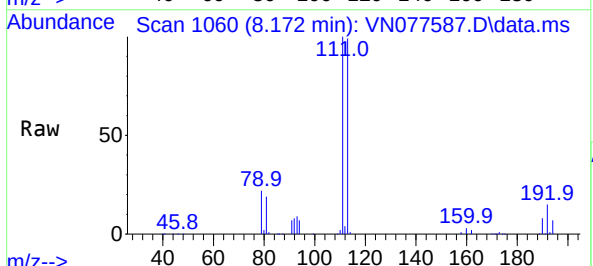
Tgt Ion:113 Resp: 420694

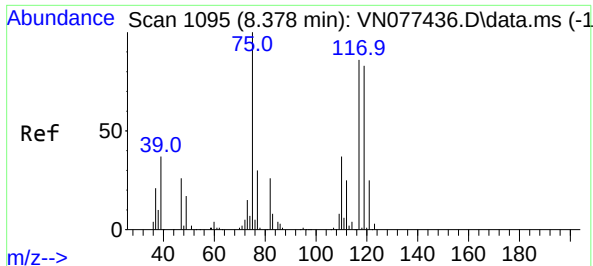
Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 16.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.887 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.153 min

Lab File: VN077587.D

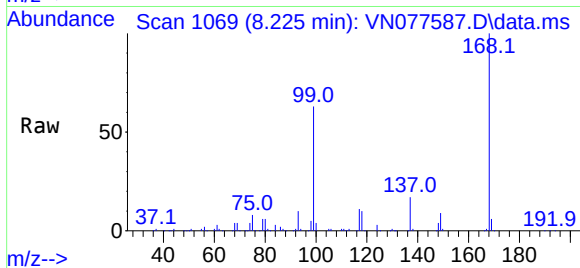
Acq: 04 May 2023 18:38

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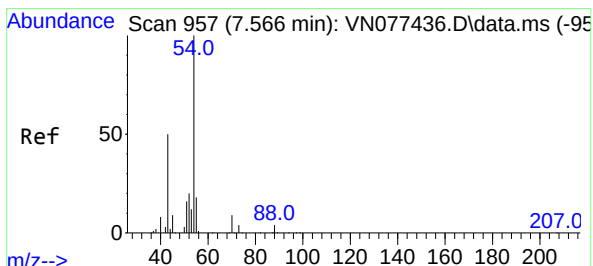
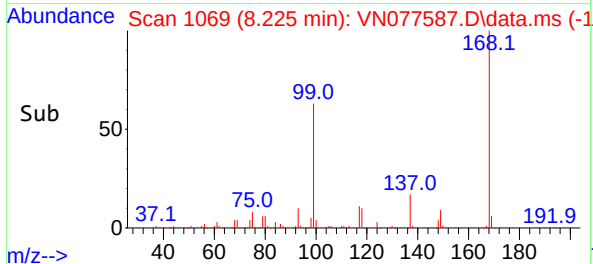
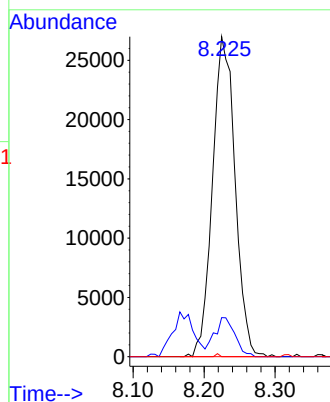
Tgt Ion: 75 Resp: 59565

Ion Ratio Lower Upper

75 100

110 11.1 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.950 ug/l

RT: 7.578 min Scan# 959

Delta R.T. 0.012 min

Lab File: VN077587.D

Acq: 04 May 2023 18:38

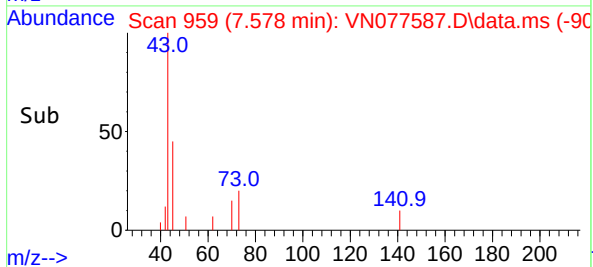
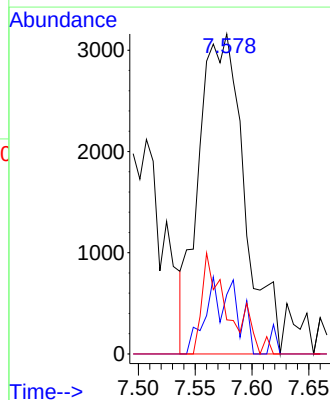
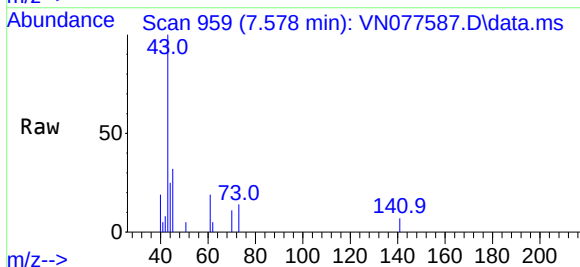
Tgt Ion: 43 Resp: 8800

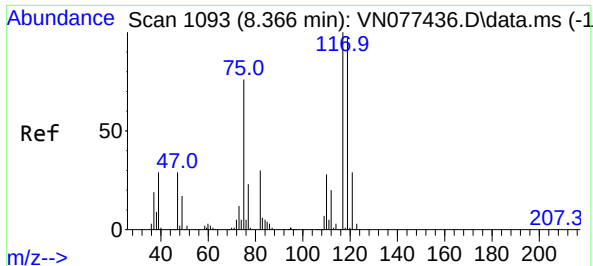
Ion Ratio Lower Upper

43 100

61 7.8 13.2 19.8#

70 14.5 11.3 16.9

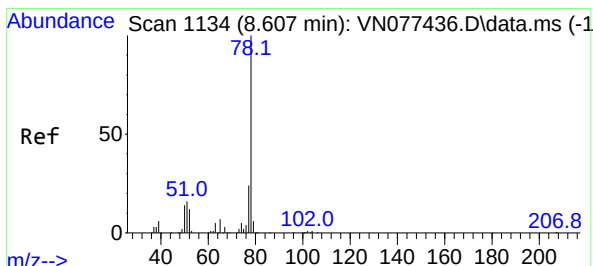
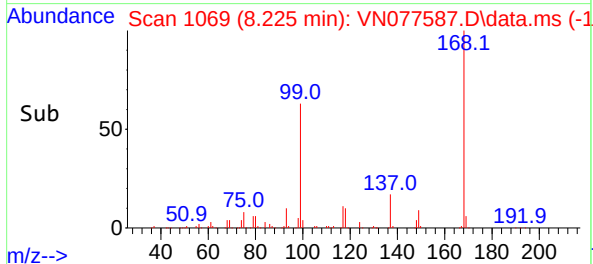
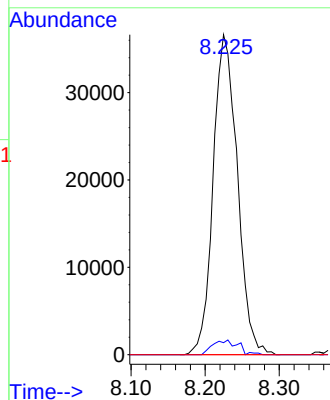
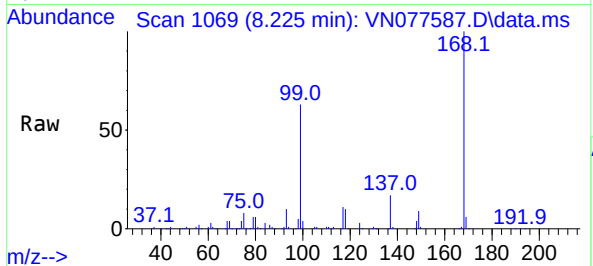




#38
Carbon Tetrachloride
Concen: 6.171 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.141 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

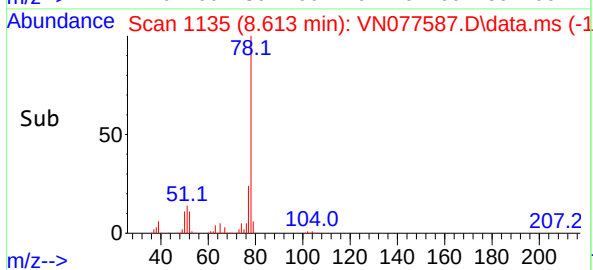
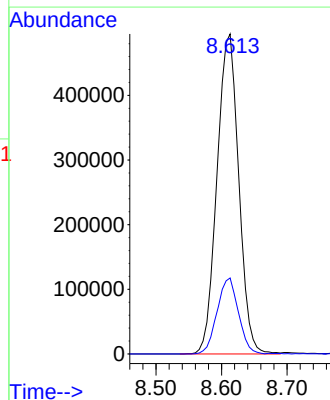
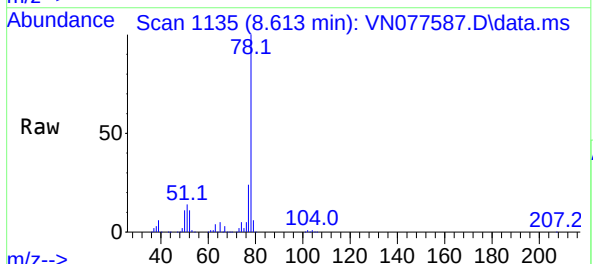
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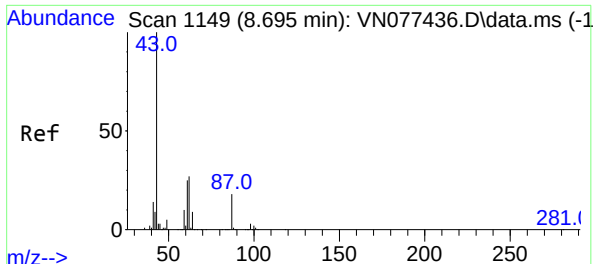
Tgt Ion:117 Resp: 82973
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 23.3 34.9#



#40
Benzene
Concen: 30.669 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 78 Resp: 1138657
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6



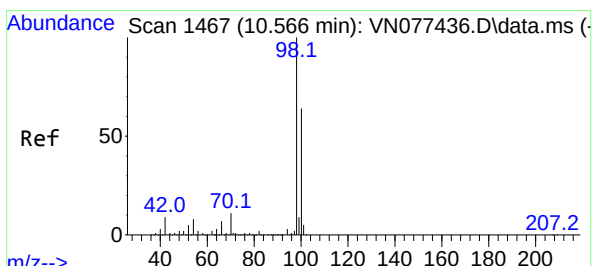
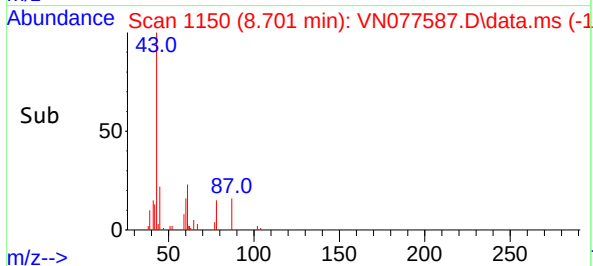
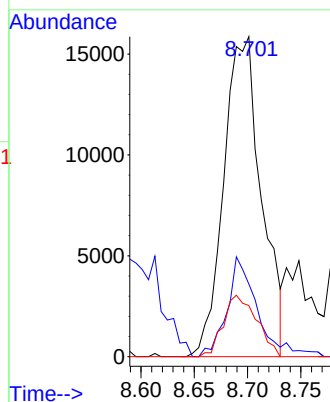
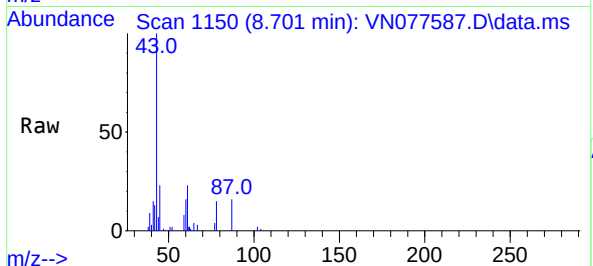


#43
Isopropyl Acetate
Concen: 2.438 ug/l
RT: 8.701 min Scan# 1149
Delta R.T. 0.006 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

Tgt Ion: 43 Resp: 39057

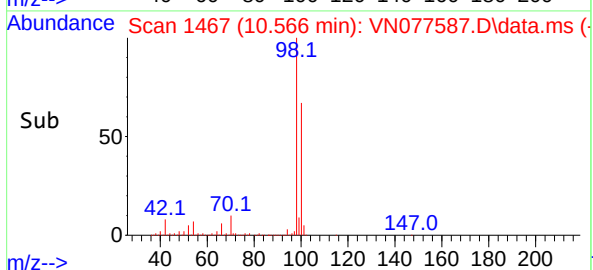
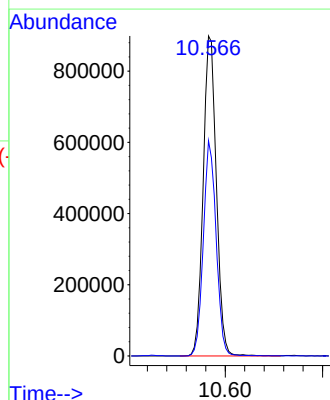
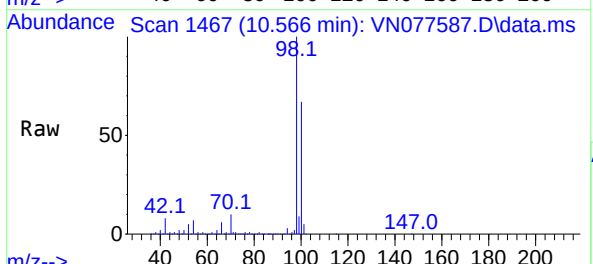
Ion	Ratio	Lower	Upper
43	100		
61	25.2	24.7	37.1
87	17.0	14.6	21.8

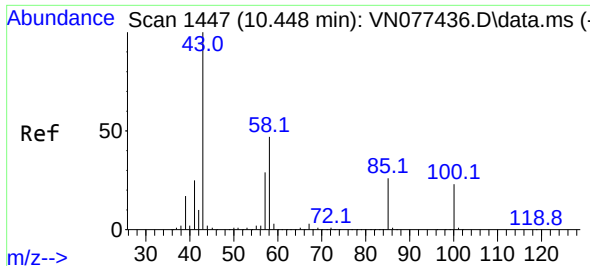


#50
Toluene-d8
Concen: 52.082 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 98 Resp: 1683874

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0

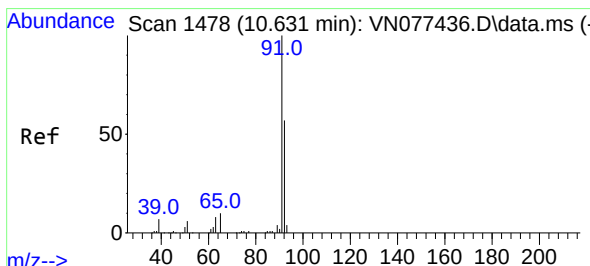
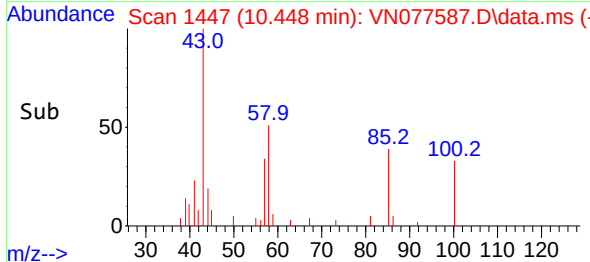
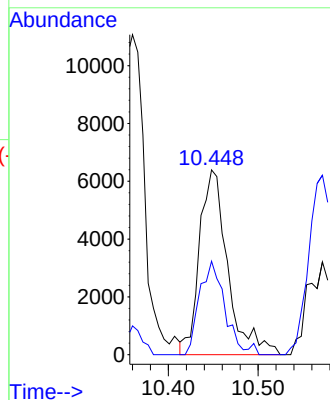
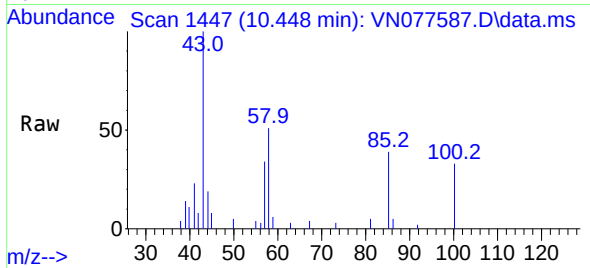




#51
4-Methyl-2-Pentanone
Concen: 1.486 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

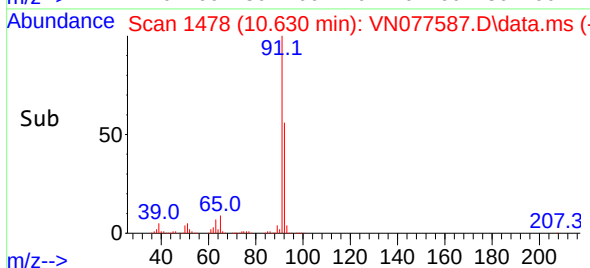
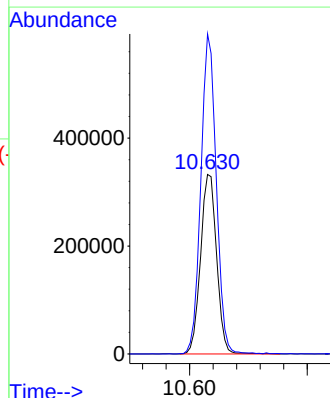
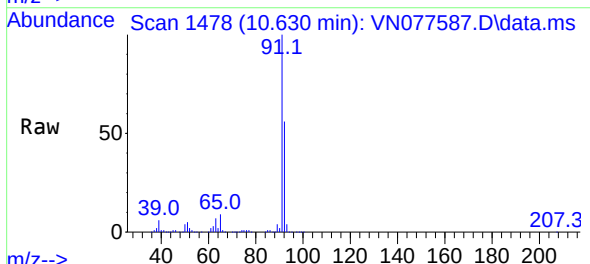
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

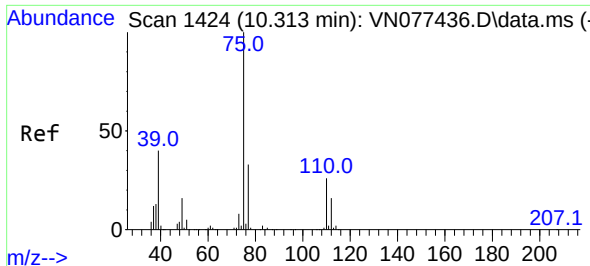
Tgt Ion: 43 Resp: 13961
Ion Ratio Lower Upper
43 100
58 45.6 36.6 54.8



#52
Toluene
Concen: 25.880 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 92 Resp: 629463
Ion Ratio Lower Upper
92 100
91 171.2 137.4 206.0

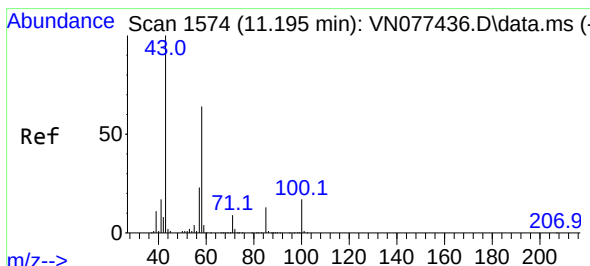
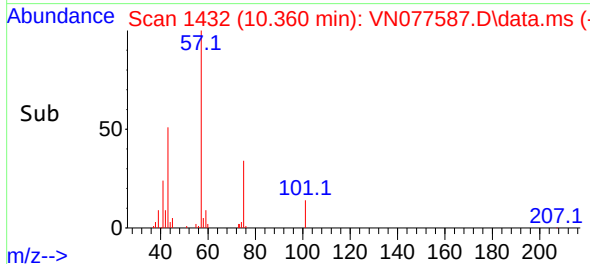
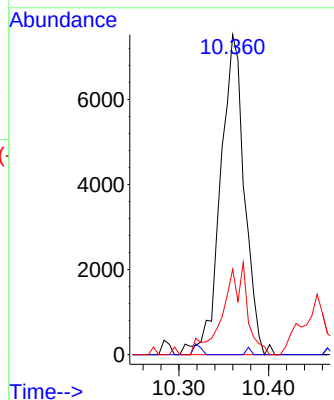
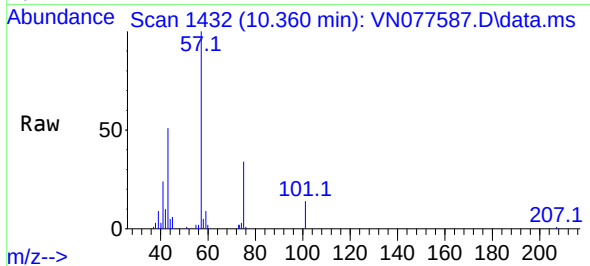




#54
cis-1,3-Dichloropropene
Concen: 0.928 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

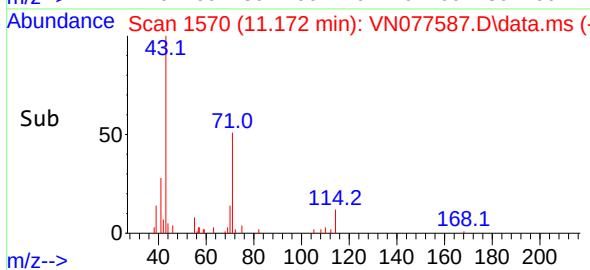
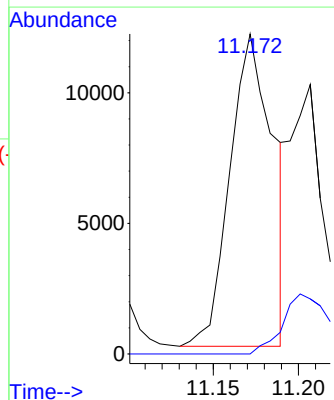
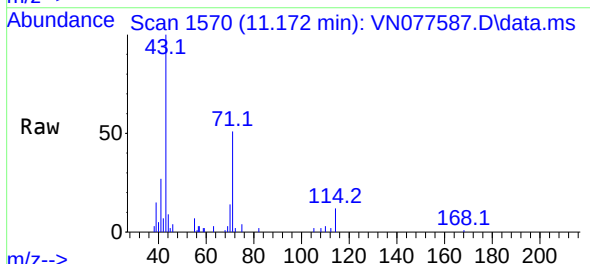
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

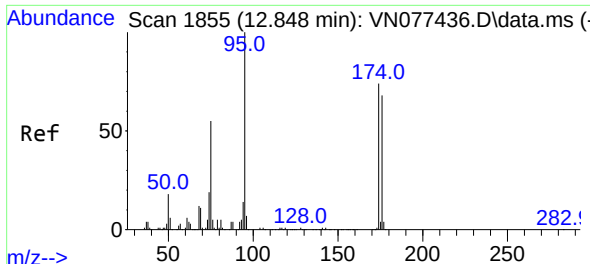
Tgt Ion: 75 Resp: 13967
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 26.7 31.6 47.4#



#59
2-Hexanone
Concen: 3.073 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 43 Resp: 20994
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

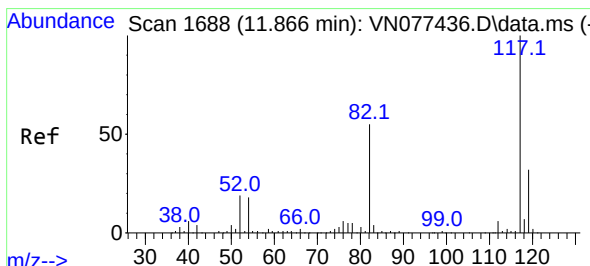
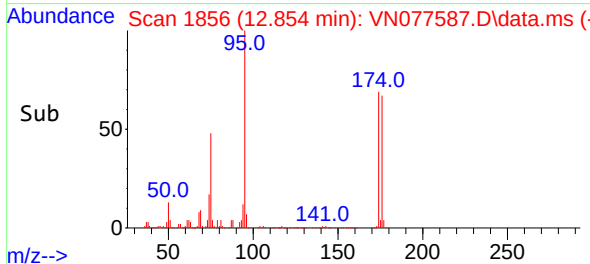
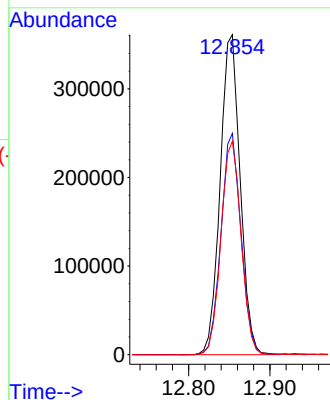
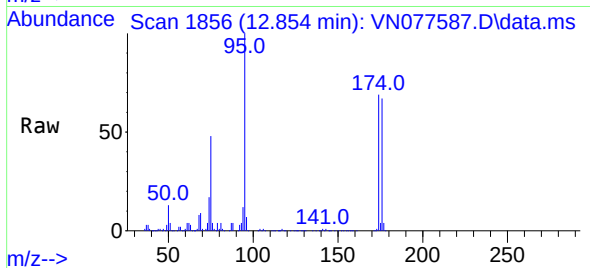




#62
4-Bromofluorobenzene
Concen: 58.532 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

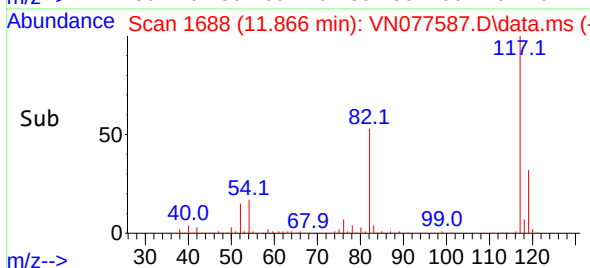
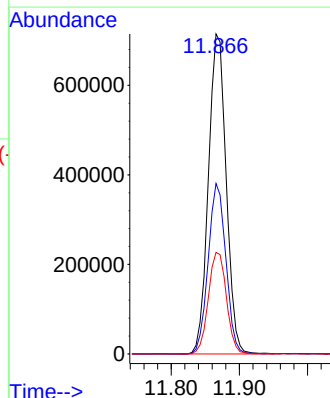
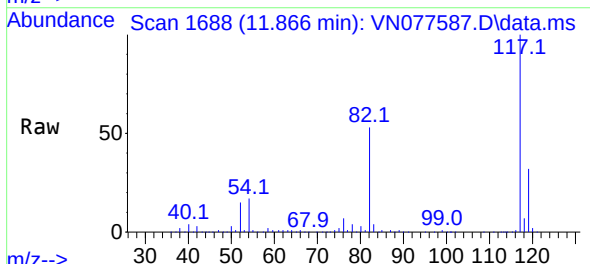
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

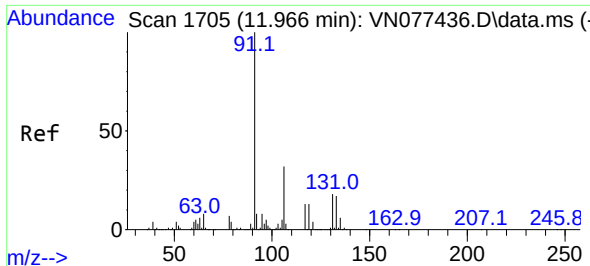
Tgt Ion: 95 Resp: 619146
Ion Ratio Lower Upper
95 100
174 69.0 0.0 143.8
176 67.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 117 Resp: 1299156
Ion Ratio Lower Upper
117 100
82 53.2 44.0 66.0
119 31.7 25.6 38.4

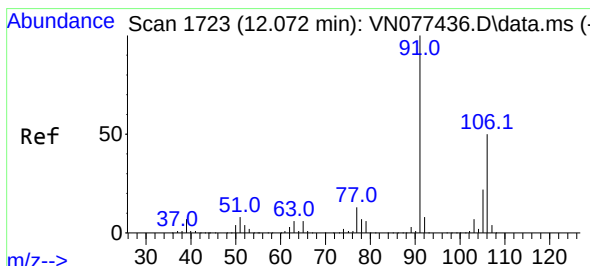
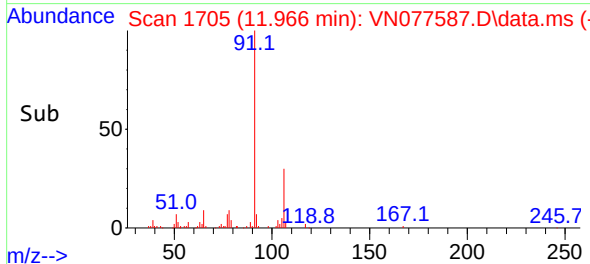
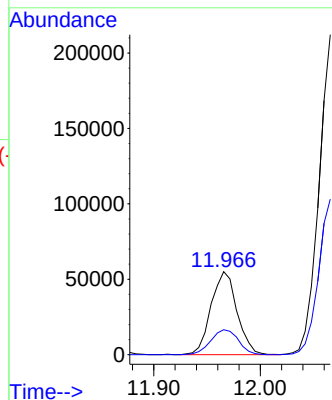
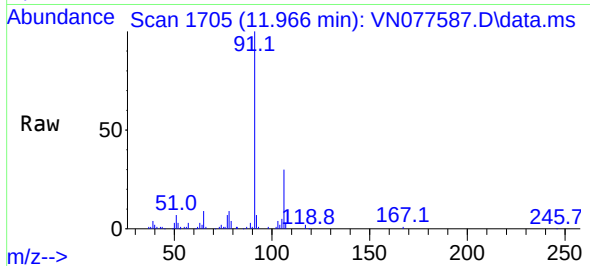




#67
Ethyl Benzene
Concen: 1.926 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

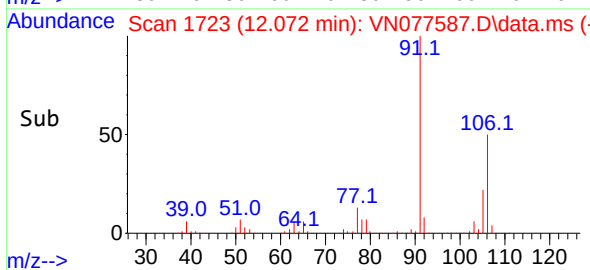
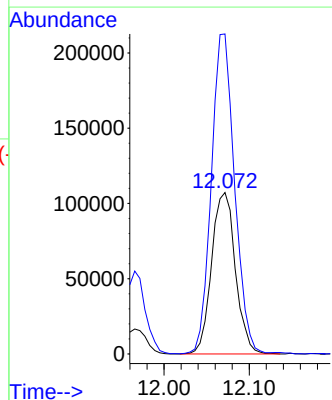
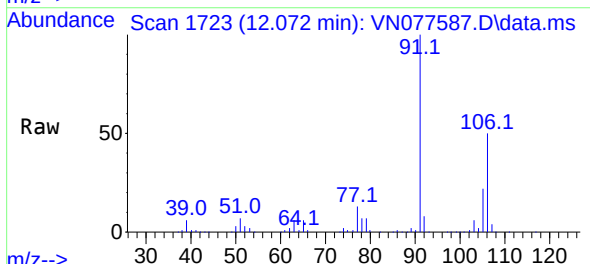
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

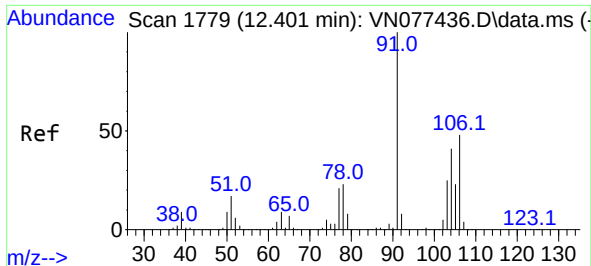
Tgt Ion: 91 Resp: 93212
Ion Ratio Lower Upper
91 100
106 30.2 25.6 38.4



#68
m/p-Xylenes
Concen: 11.055 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion:106 Resp: 207941
Ion Ratio Lower Upper
106 100
91 193.4 159.6 239.4

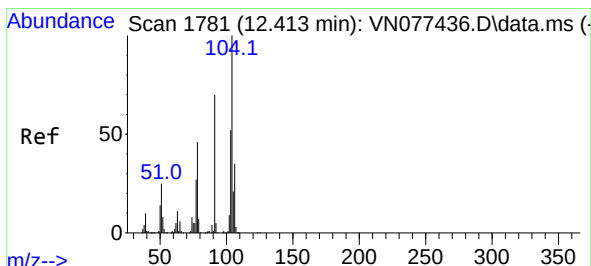
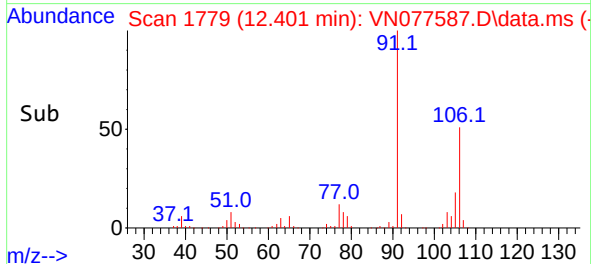
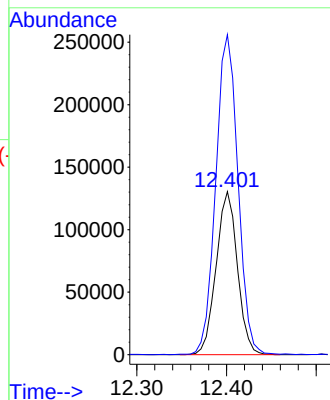
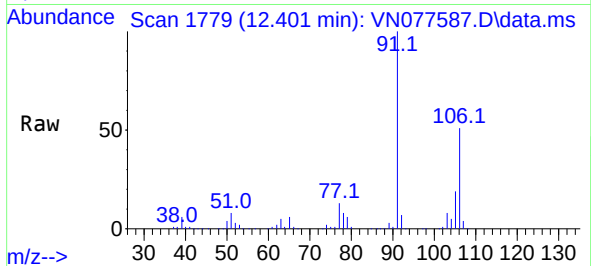




#69
o-Xylene
Concen: 11.599 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

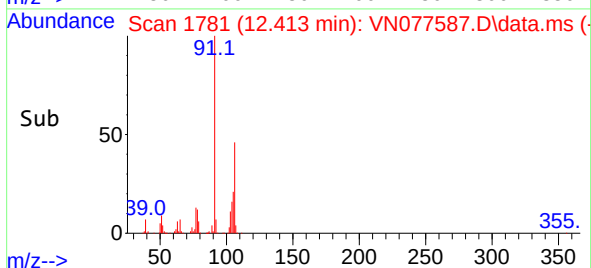
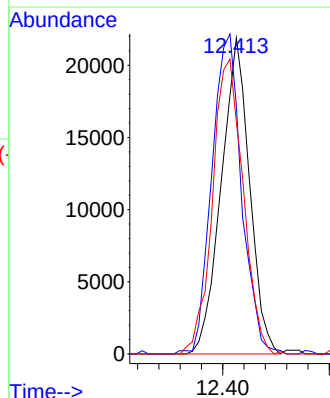
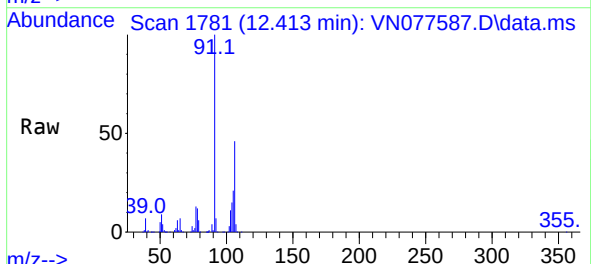
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

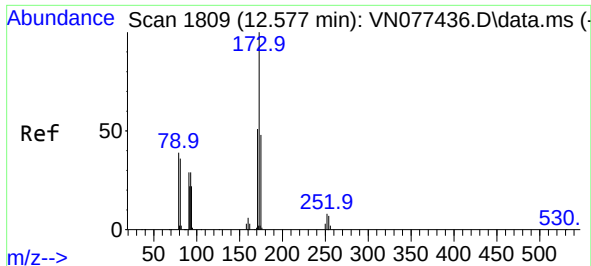
Tgt Ion:106 Resp: 214597
Ion Ratio Lower Upper
106 100
91 205.1 105.2 315.5



#70
Styrene
Concen: 1.396 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion:104 Resp: 40384
Ion Ratio Lower Upper
104 100
78 106.0 39.5 59.3#
103 100.9 43.2 64.8#

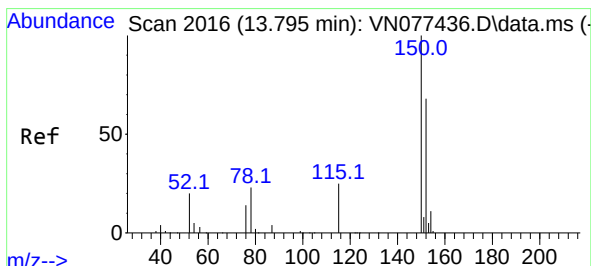
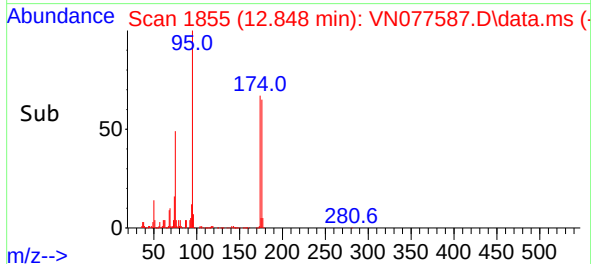
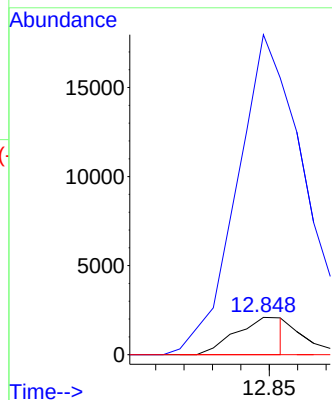
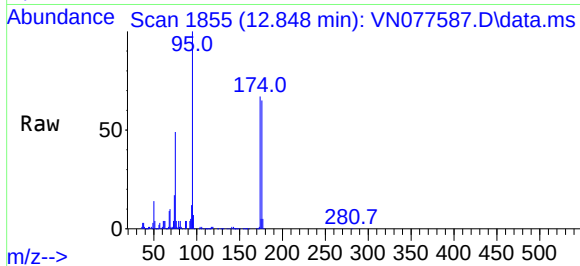




#71
Bromoform
Concen: 0.386 ug/l
RT: 12.848 min Scan# 1809
Delta R.T. 0.271 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

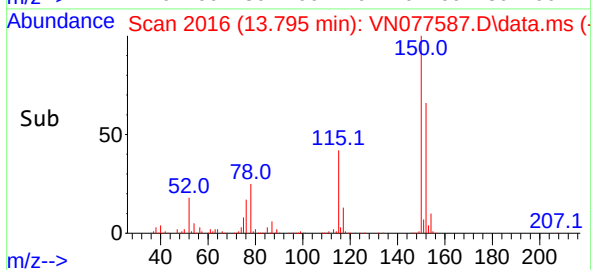
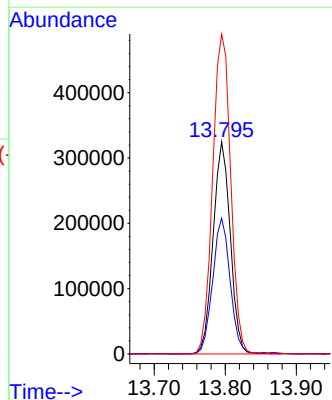
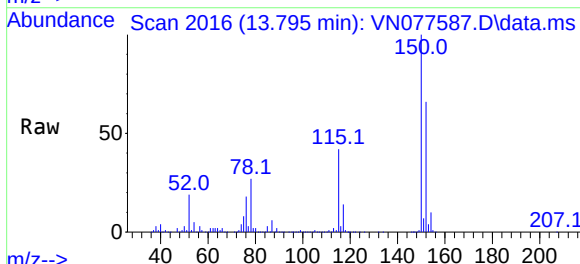
Instrument :
MSVOA_N
ClientSampleId :
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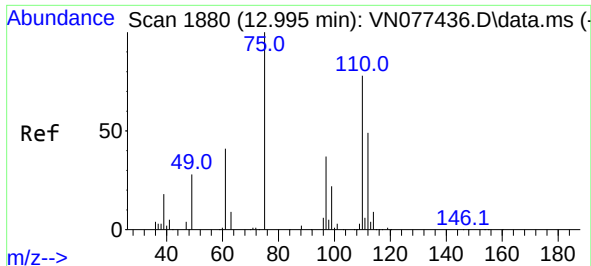
Tgt Ion:173 Resp: 2524
Ion Ratio Lower Upper
173 100
175 812.6 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion:152 Resp: 544201
Ion Ratio Lower Upper
152 100
115 65.3 32.3 96.8
150 158.5 0.0 355.8

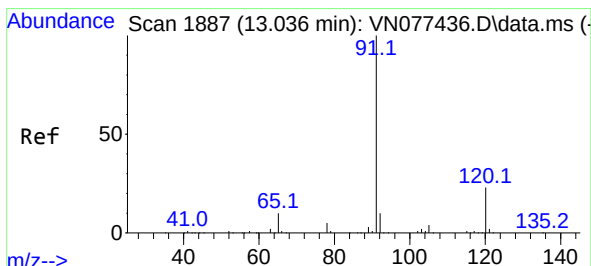
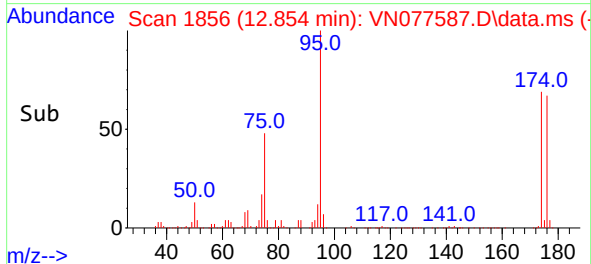
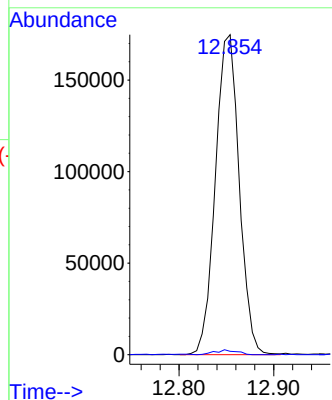
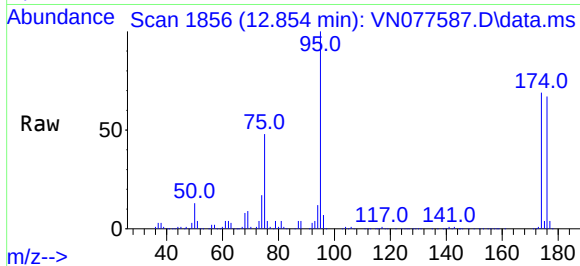




#76
1,2,3-Trichloropropane
Concen: 24.145 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

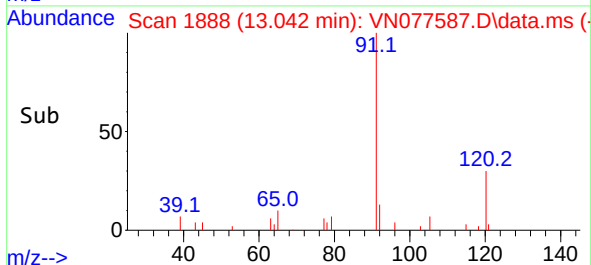
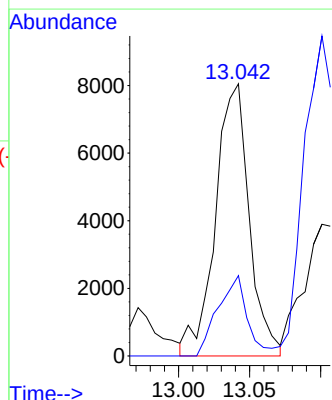
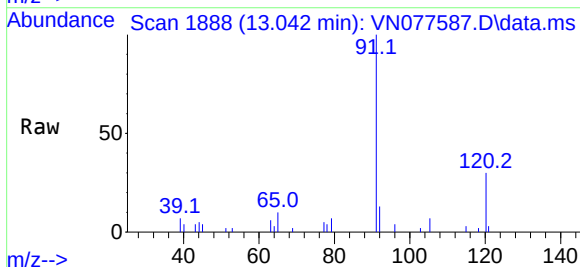
Instrument :
MSVOA_N
ClientSampleId :
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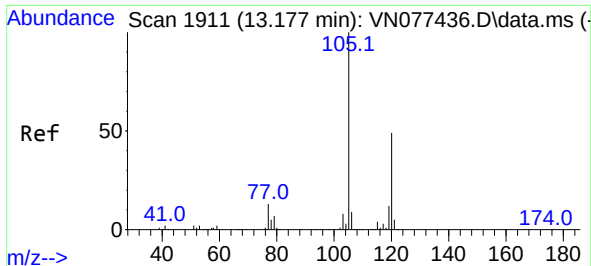
Tgt Ion: 75 Resp: 305547
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#78
n-propylbenzene
Concen: 0.238 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 91 Resp: 13312
Ion Ratio Lower Upper
91 100
120 25.7 11.5 34.4

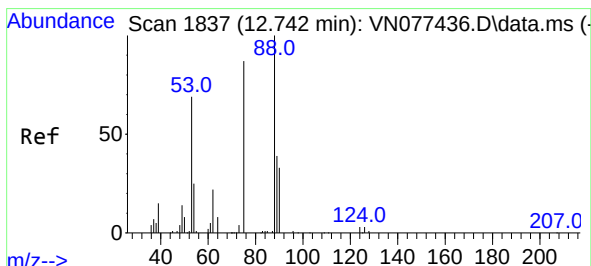
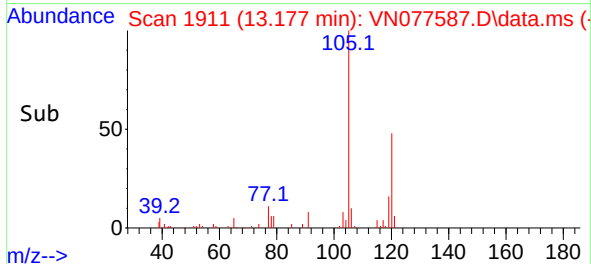
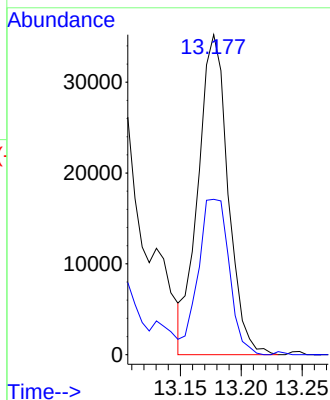
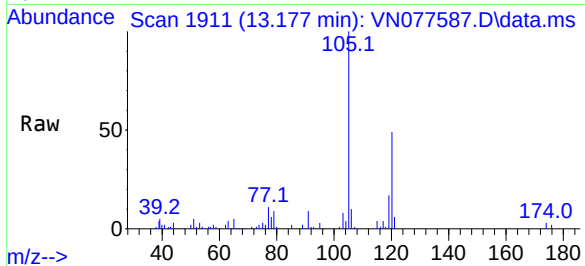




#80
1,3,5-Trimethylbenzene
Concen: 1.612 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

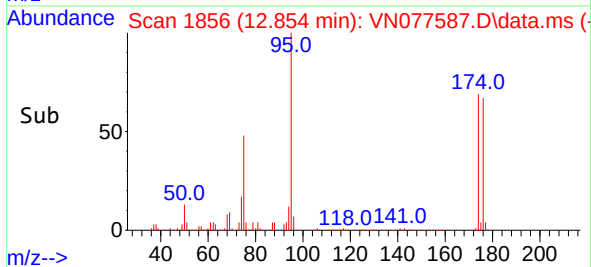
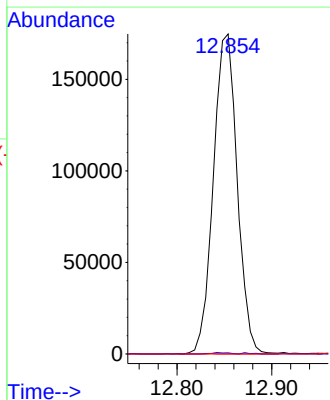
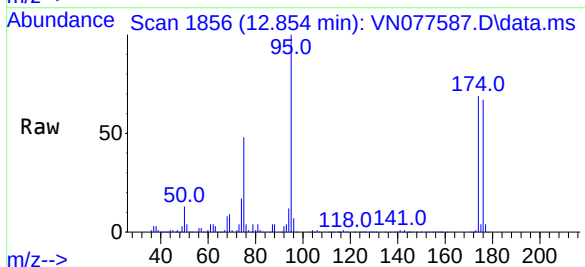
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

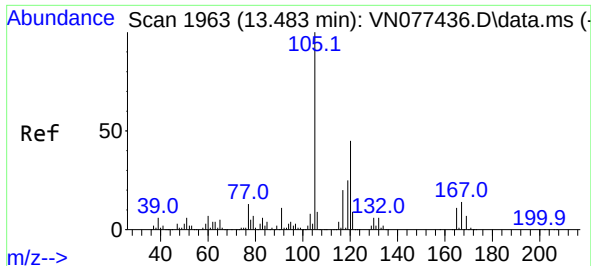
Tgt Ion:105 Resp: 60446
Ion Ratio Lower Upper
105 100
120 50.3 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 68.213 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion: 75 Resp: 305547
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

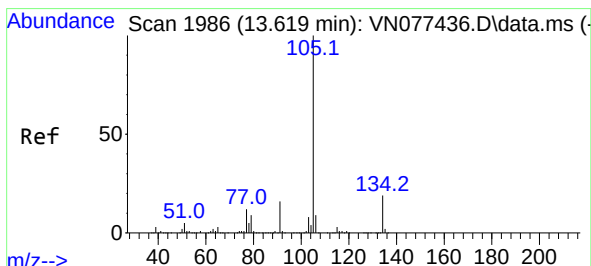
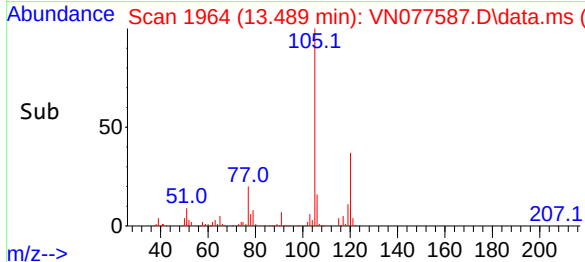
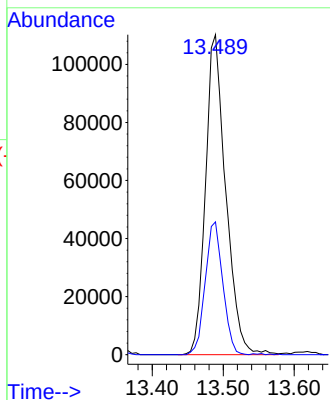
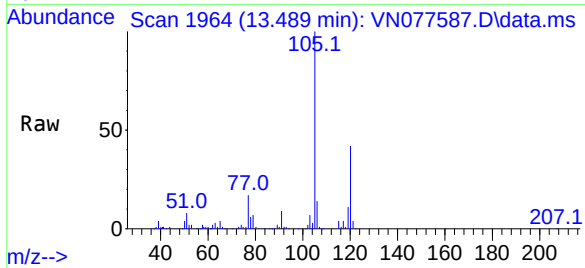




#84
1,2,4-Trimethylbenzene
Concen: 6.233 ug/l
RT: 13.489 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

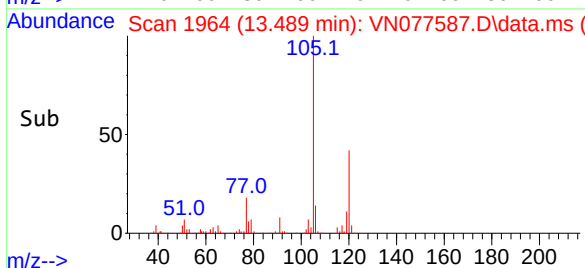
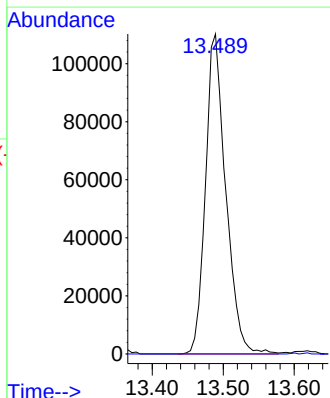
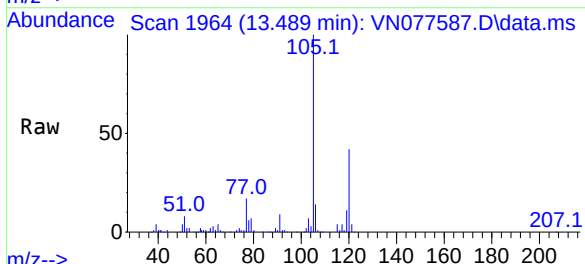
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

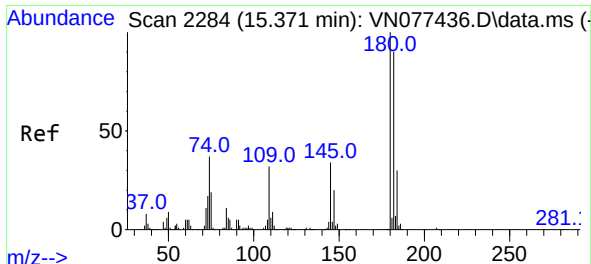
Tgt Ion:105 Resp: 218297
Ion Ratio Lower Upper
105 100
120 36.0 22.0 66.0



#85
sec-Butylbenzene
Concen: 4.367 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. -0.129 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

Tgt Ion:105 Resp: 218297
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

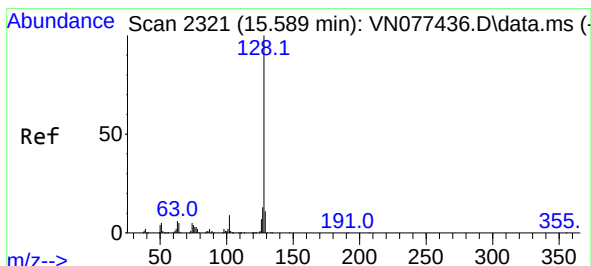
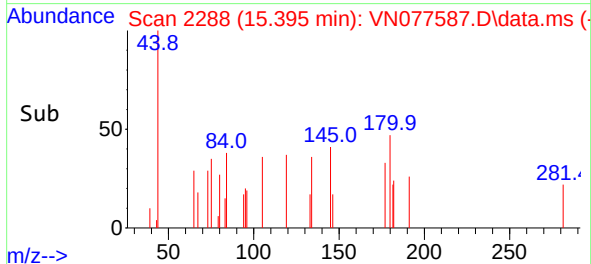
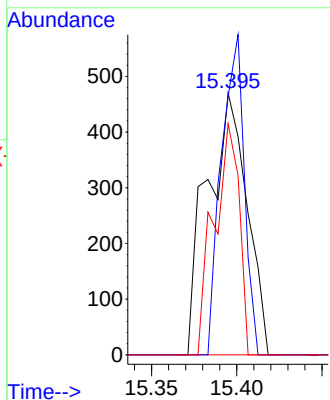
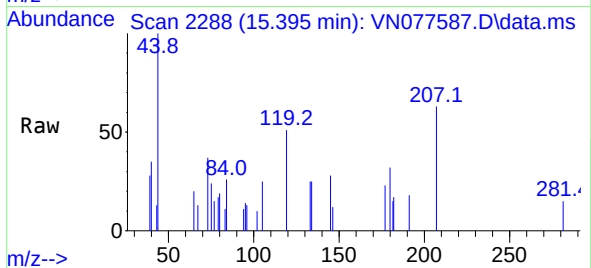




#93
1,2,4-Trichlorobenzene
Concen: 0.991 ug/l
RT: 15.395 min Scan# 21
Delta R.T. 0.024 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

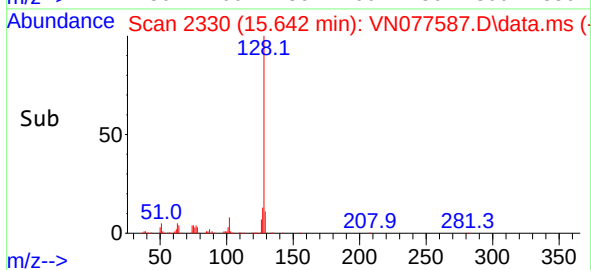
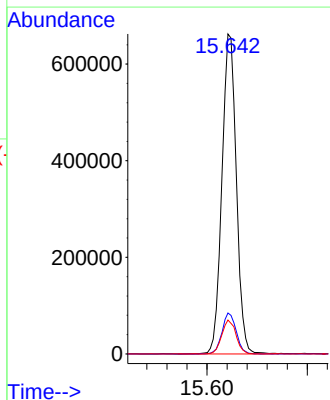
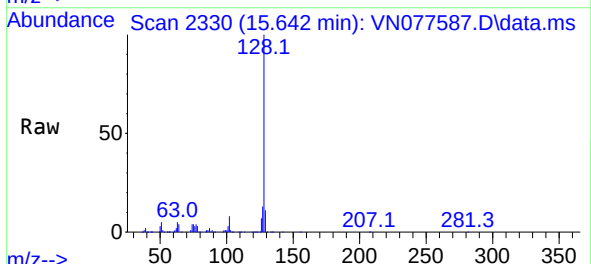
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989DL

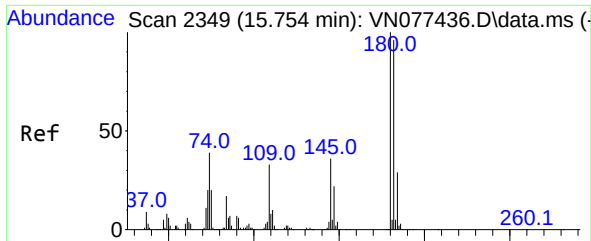
Tgt Ion:180 Resp: 765
Ion Ratio Lower Upper
180 100
182 70.2 46.1 138.2
145 55.8 16.6 49.8#



#95
Naphthalene
Concen: 53.914 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. 0.053 min
Lab File: VN077587.D
Acq: 04 May 2023 18:38

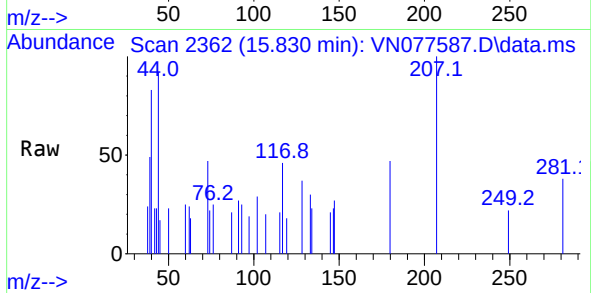
Tgt Ion:128 Resp: 1322029
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 10.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.572 ug/l
 RT: 15.830 min Scan# 21
 Delta R.T. 0.076 min
 Lab File: VN077587.D
 Acq: 04 May 2023 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1989DL



Tgt Ion:180	Resp:	357
Ion	Ratio	Lower Upper
180	100	
182	0.0	46.2 138.6#
145	74.8	17.5 52.6#

