

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050323\
 Data File : VN077569.D
 Acq On : 03 May 2023 17:46
 Operator : JC\MD
 Sample : 02566-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1989

Quant Time: May 04 04:54:00 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)

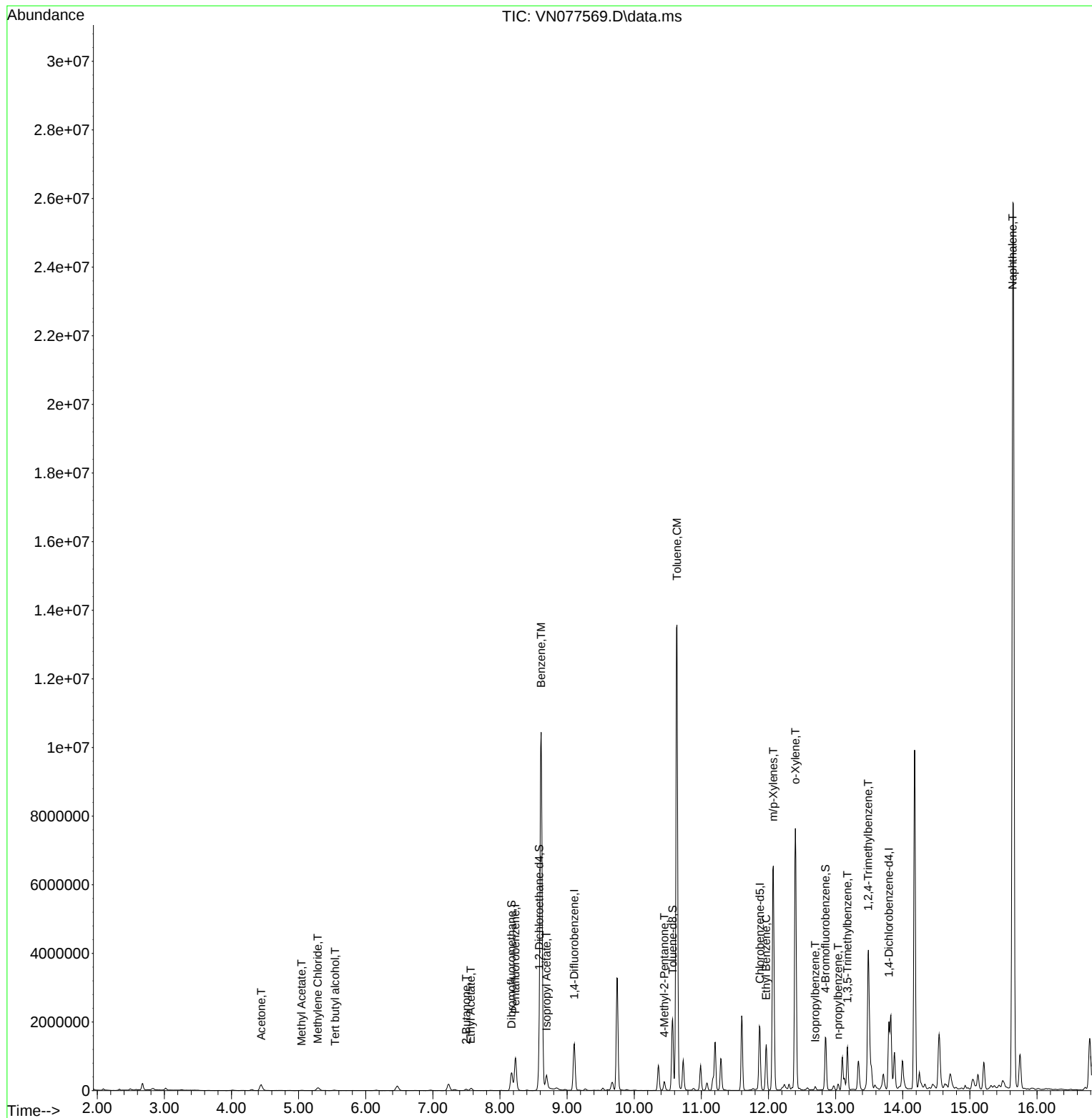
Internal Standards						
1) Pentafluorobenzene	8.231	168	670105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1269762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1170037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	518676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	422872	48.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.720%		
35) Dibromofluoromethane	8.172	113	380569	49.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.740%		
50) Toluene-d8	10.572	98	1553689	53.118	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.240%		
62) 4-Bromofluorobenzene	12.848	95	557144	58.219	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.440%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.542	59	26135	18.618	ug/l	96
16) Acetone	4.443	43	316919	113.924	ug/l	100
18) Methyl Acetate	5.042	43	20916	1.947	ug/l	93
20) Methylene Chloride	5.284	84	78588	8.908	ug/l	89
25) 2-Butanone	7.495	43	55292	14.014	ug/l	91
37) Ethyl Acetate	7.566	43	95011	11.340	ug/l	97
40) Benzene	8.613	78	11849194	352.773	ug/l	100
43) Isopropyl Acetate	8.695	43	465795	32.136	ug/l #	87
51) 4-Methyl-2-Pentanone	10.448	43	152958	17.991	ug/l	99
52) Toluene	10.636	92	6674611	303.333	ug/l	97
67) Ethyl Benzene	11.966	91	1010782	23.191	ug/l	99
68) m/p-Xylenes	12.071	106	2259876	133.408	ug/l	98
69) o-Xylene	12.401	106	2212187	132.769	ug/l	99
73) Isopropylbenzene	12.695	105	67582	1.404	ug/l	98
78) n-propylbenzene	13.036	91	144073	2.707	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	731802	20.474	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	2800997	83.909	ug/l	87
95) Naphthalene	15.636	128	21803476	305.442	ug/l #	91

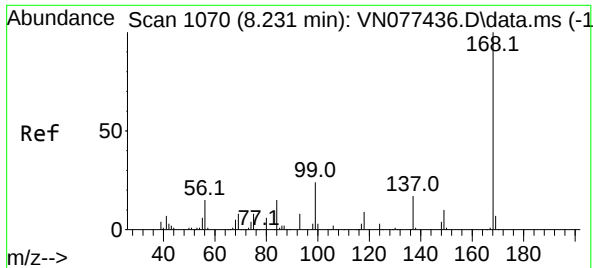
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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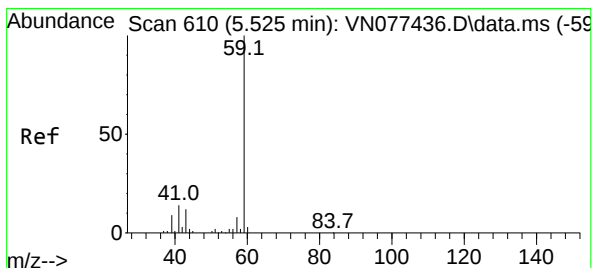
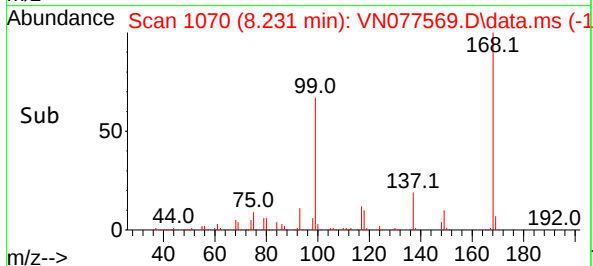
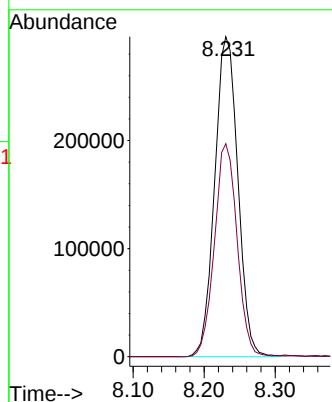
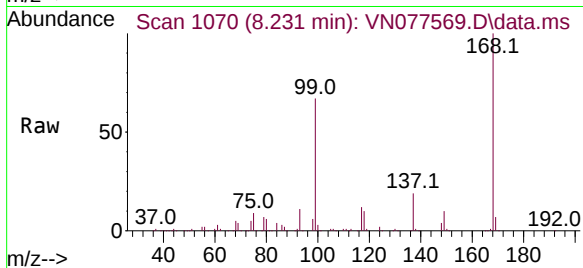




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

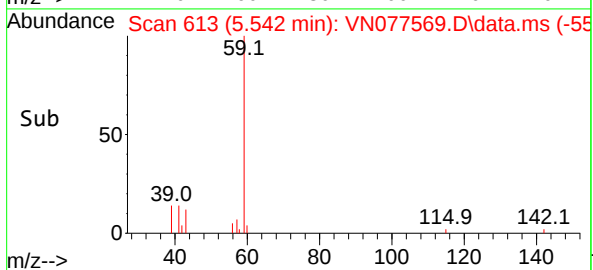
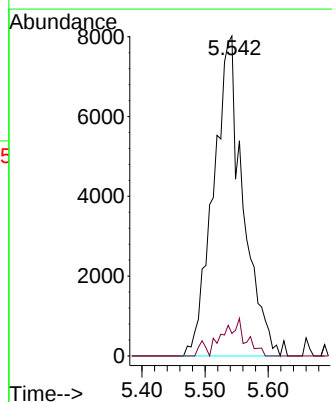
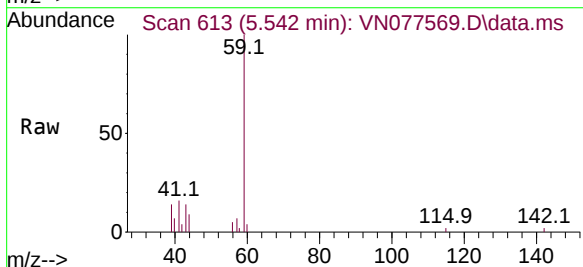
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989

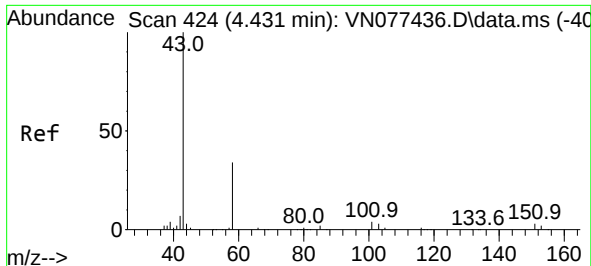
Tgt Ion:168 Resp: 670105
Ion Ratio Lower Upper
168 100
99 66.5 53.0 79.6



#11
Tert butyl alcohol
Concen: 18.618 ug/l
RT: 5.542 min Scan# 613
Delta R.T. 0.018 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

Tgt Ion: 59 Resp: 26135
Ion Ratio Lower Upper
59 100
57 8.7 8.2 12.4

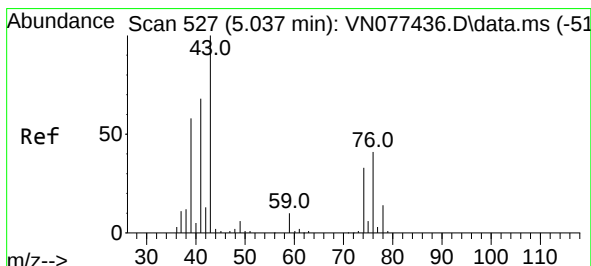
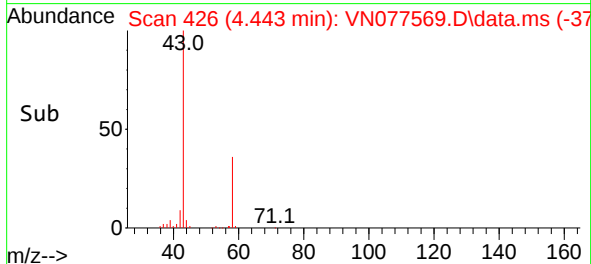
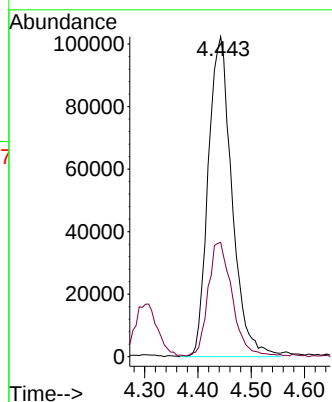
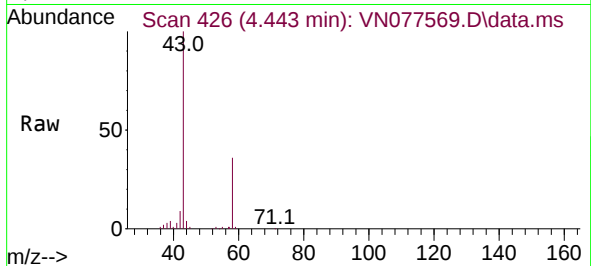




#16
Acetone
Concen: 113.924 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

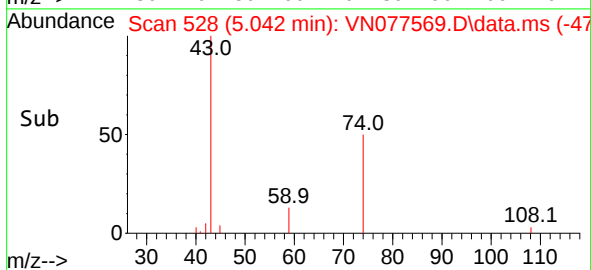
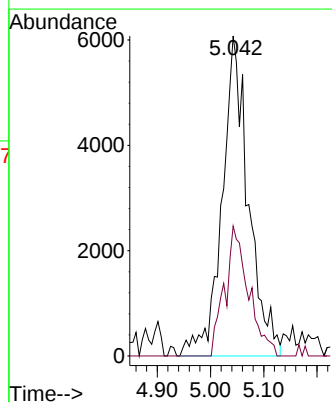
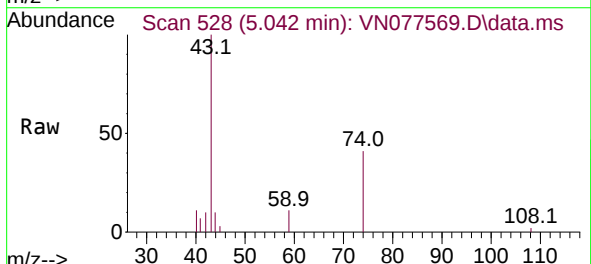
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989

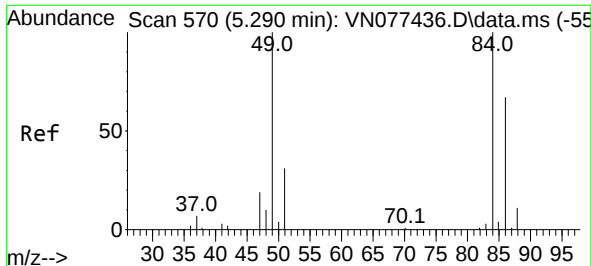
Tgt Ion: 43 Resp: 316919
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0



#18
Methyl Acetate
Concen: 1.947 ug/l
RT: 5.042 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

Tgt Ion: 43 Resp: 20916
Ion Ratio Lower Upper
43 100
74 36.6 26.2 39.4

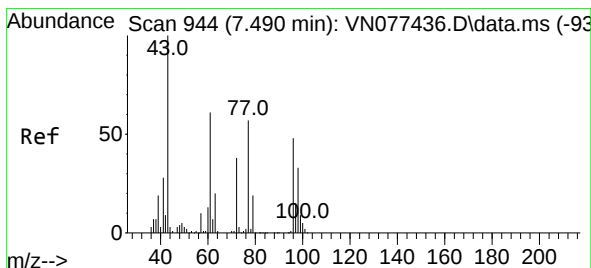
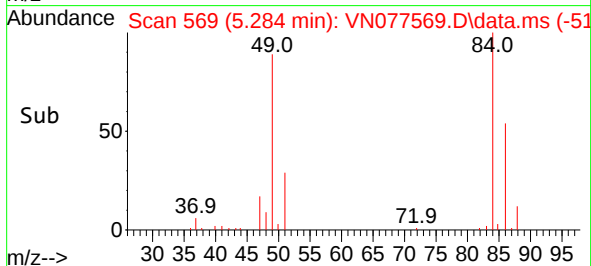
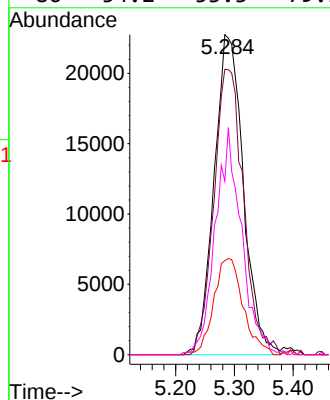
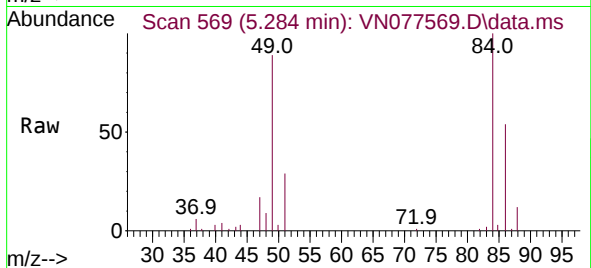




#20
Methylene Chloride
Concen: 8.908 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

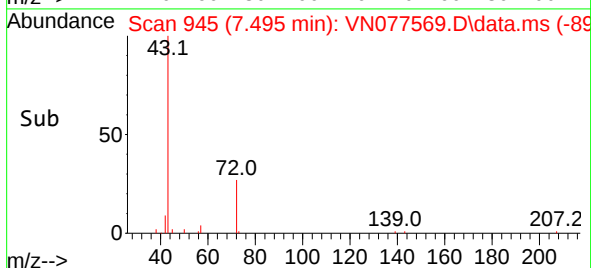
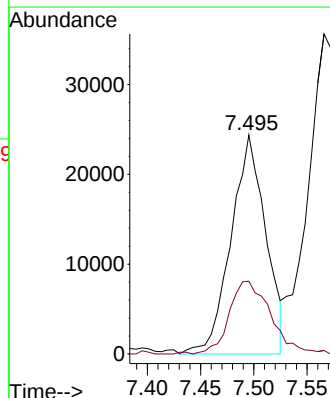
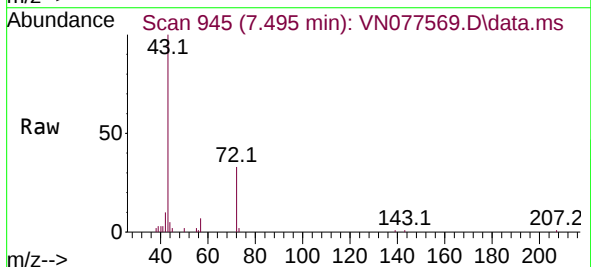
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989

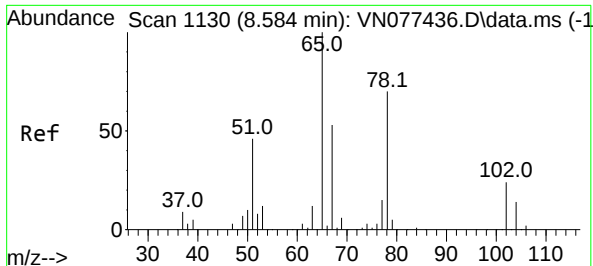
Tgt Ion:	84	Resp:	78588
Ion	Ratio	Lower	Upper
84	100		
49	89.2	79.7	119.5
51	29.4	25.2	37.8
86	54.2	53.3	79.9



#25
2-Butanone
Concen: 14.014 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

Tgt Ion:	43	Resp:	55292
Ion	Ratio	Lower	Upper
43	100		
72	32.4	30.2	45.2





#33

1,2-Dichloroethane-d4

Concen: 48.361 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077569.D

Acq: 03 May 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

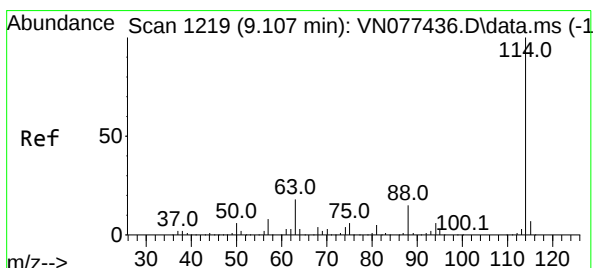
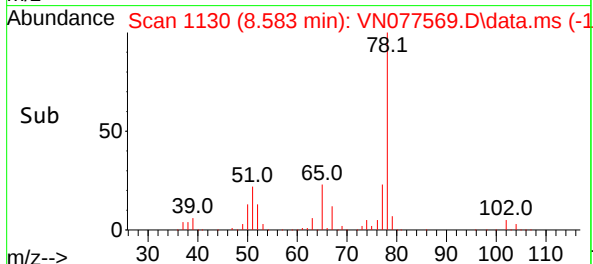
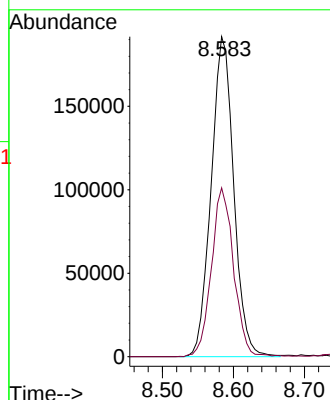
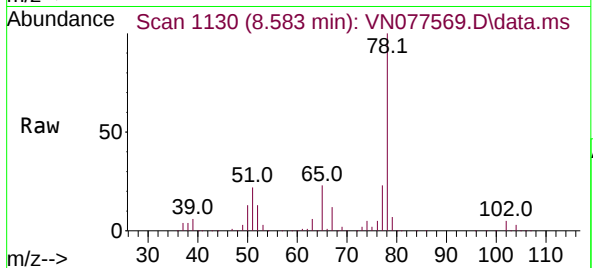
AUD-1989

Tgt Ion: 65 Resp: 422872

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077569.D

Acq: 03 May 2023 17:46

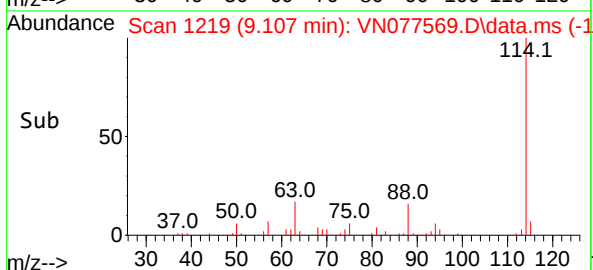
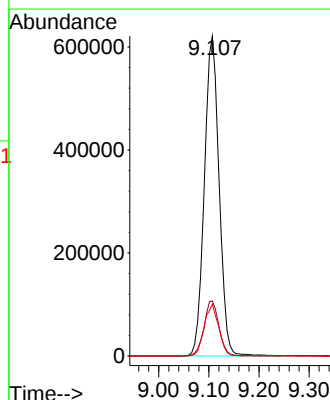
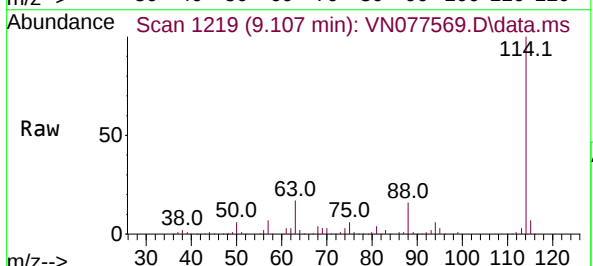
Tgt Ion: 114 Resp: 1269762

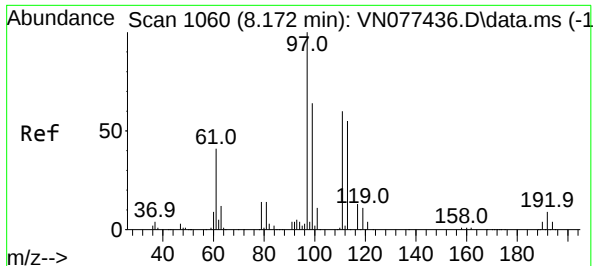
Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.4

88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.866 ug/l

RT: 8.172 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077569.D

Acq: 03 May 2023 17:46

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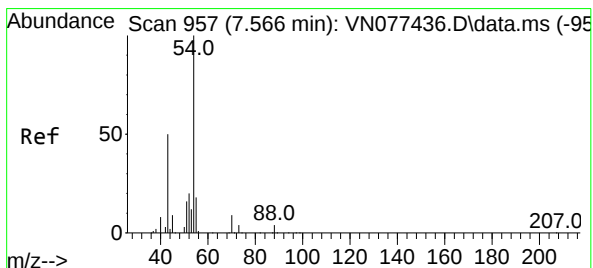
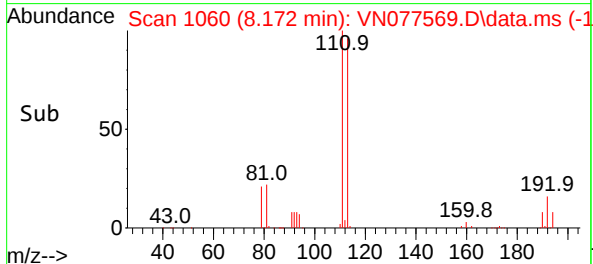
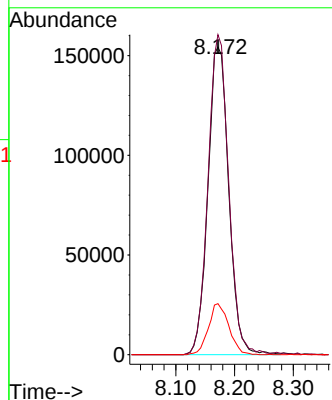
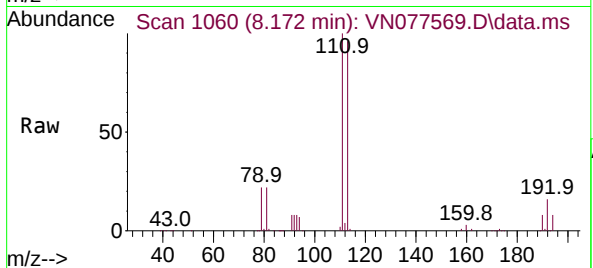
Tgt Ion:113 Resp: 380569

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 16.2 12.7 19.1



#37

Ethyl Acetate

Concen: 11.340 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN077569.D

Acq: 03 May 2023 17:46

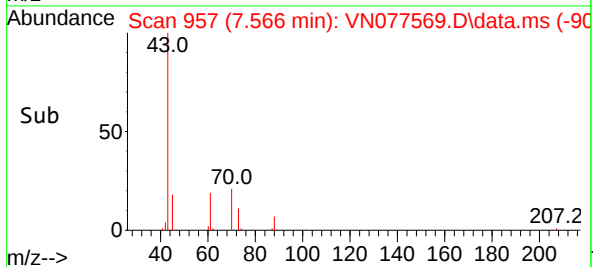
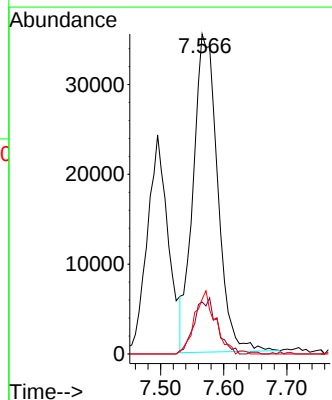
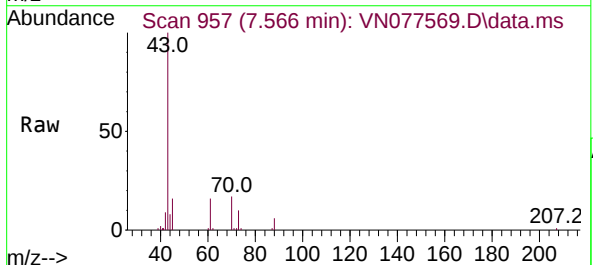
Tgt Ion: 43 Resp: 95011

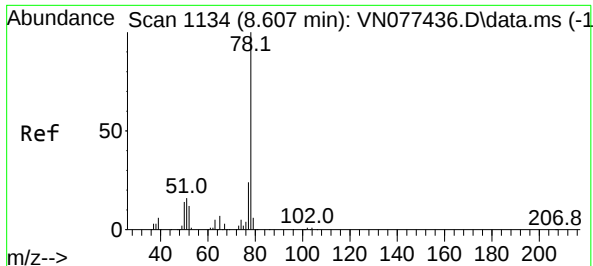
Ion Ratio Lower Upper

43 100

61 16.5 13.2 19.8

70 16.7 11.3 16.9

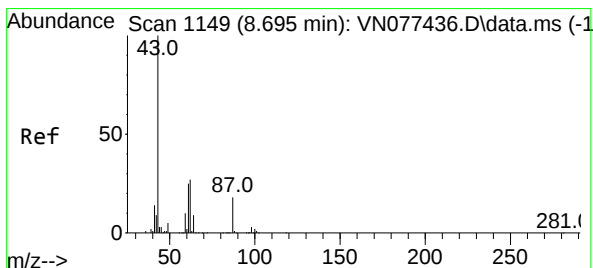
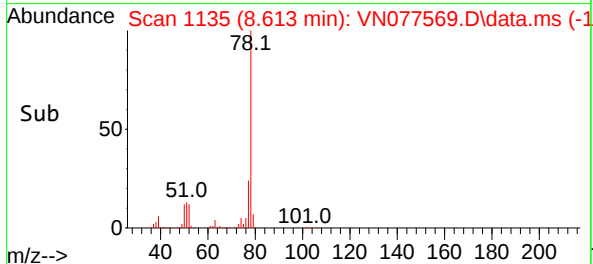
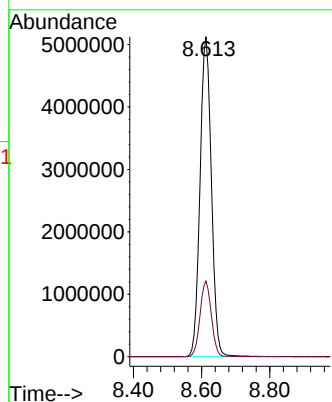
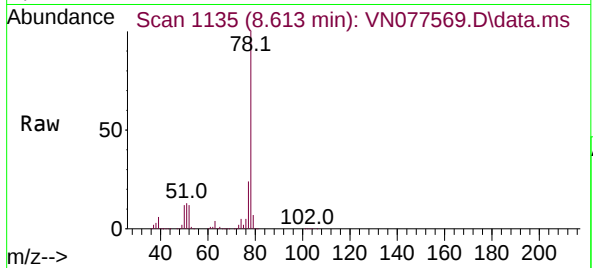




#40
Benzene
Concen: 352.773 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

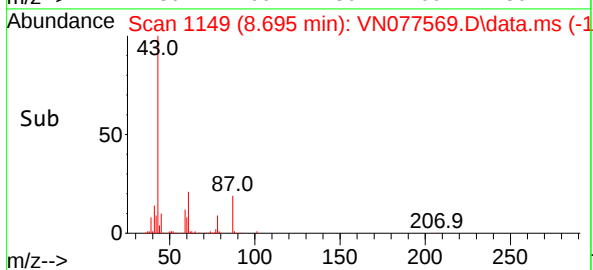
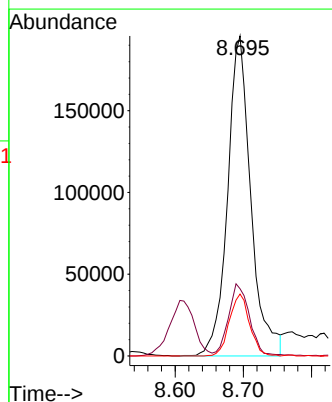
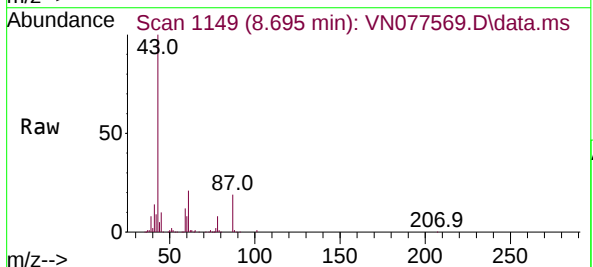
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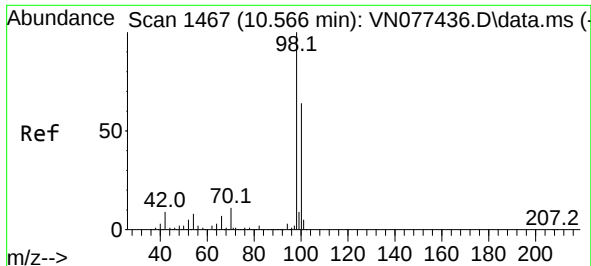
Tgt Ion: 78 Resp:11849194
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6



#43
Isopropyl Acetate
Concen: 32.136 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

Tgt Ion: 43 Resp: 465795
Ion Ratio Lower Upper
43 100
61 20.5 24.7 37.1#
87 16.7 14.6 21.8

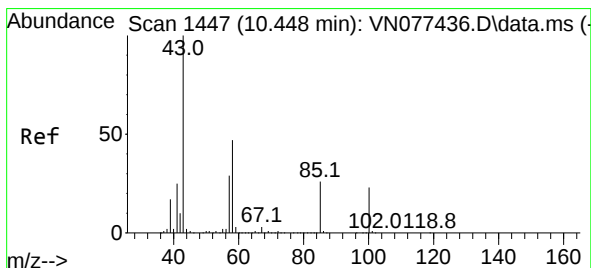
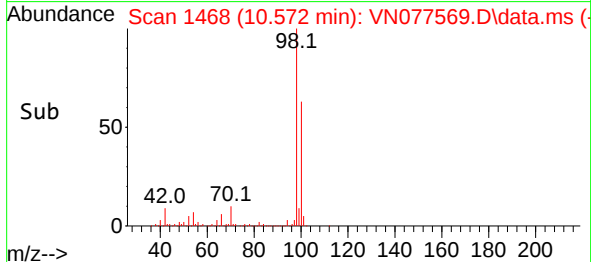
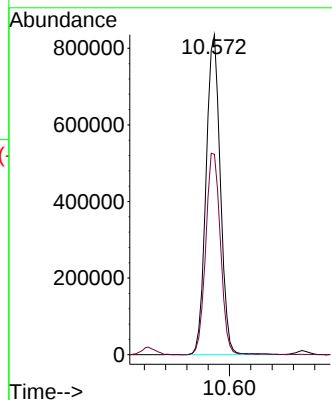
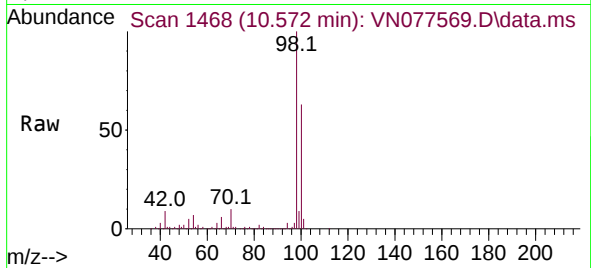




#50
Toluene-d8
Concen: 53.118 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

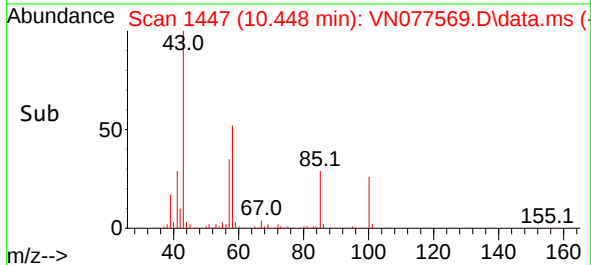
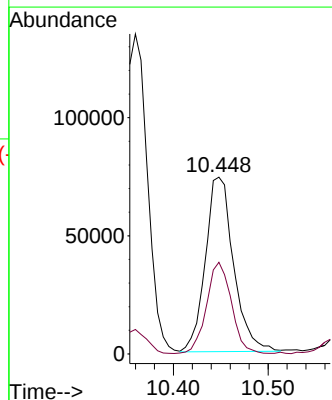
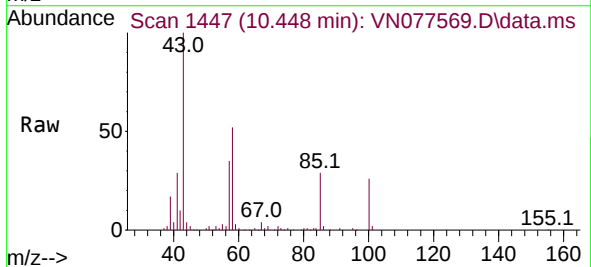
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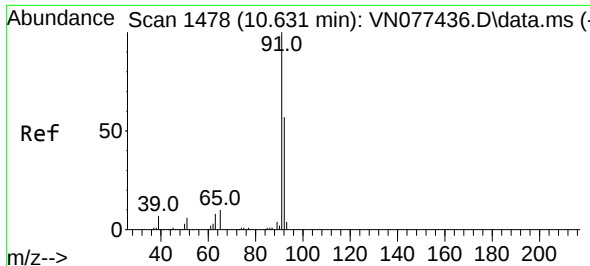
Tgt Ion: 98 Resp: 1553689
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 17.991 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

Tgt Ion: 43 Resp: 152958
Ion Ratio Lower Upper
43 100
58 46.4 36.6 54.8

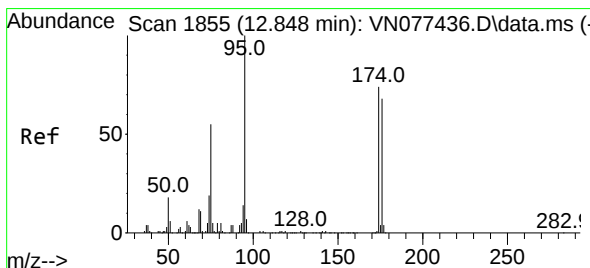
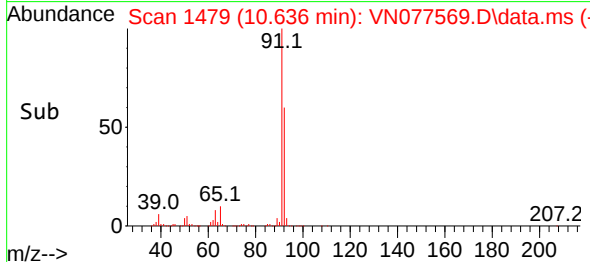
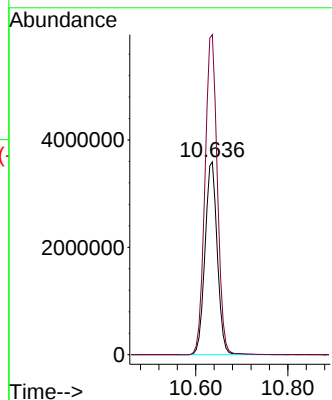
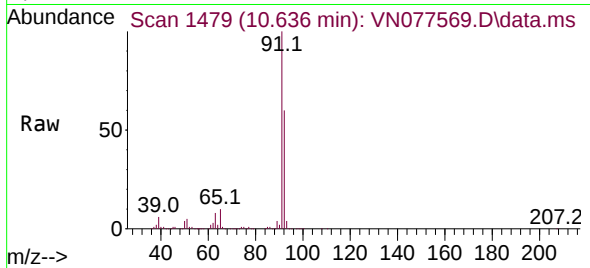




#52
Toluene
Concen: 303.333 ug/l
RT: 10.636 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

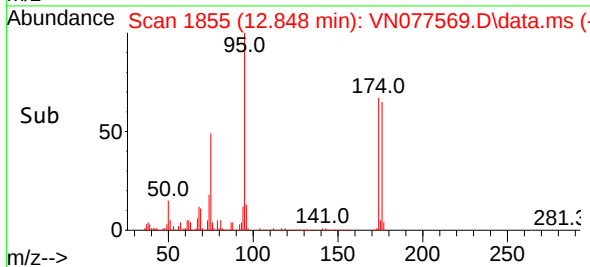
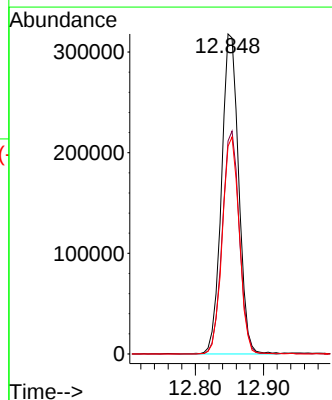
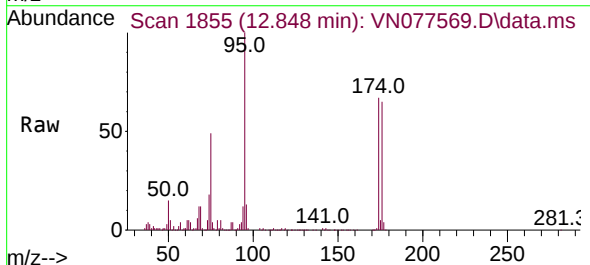
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989

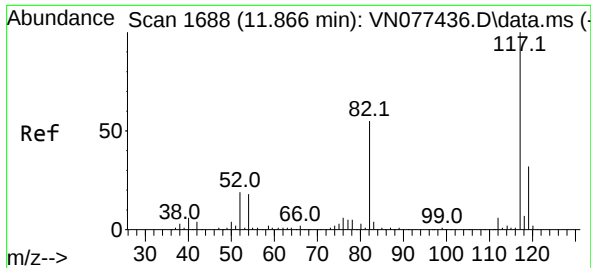
Tgt Ion: 92 Resp: 6674611
Ion Ratio Lower Upper
92 100
91 168.2 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 58.219 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

Tgt Ion: 95 Resp: 557144
Ion Ratio Lower Upper
95 100
174 69.0 0.0 143.8
176 66.8 0.0 135.8

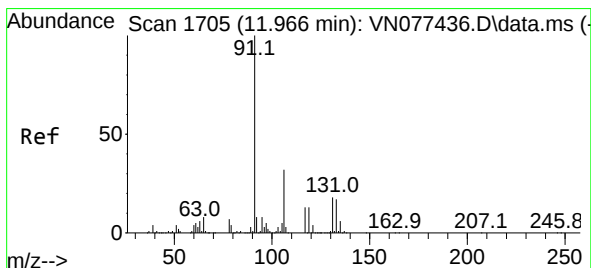
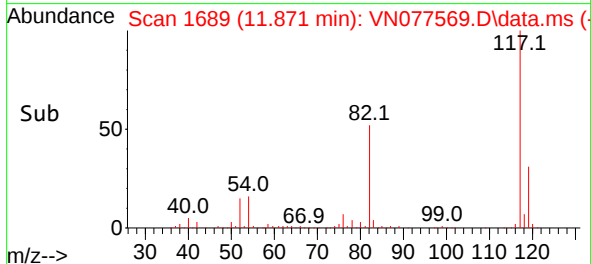
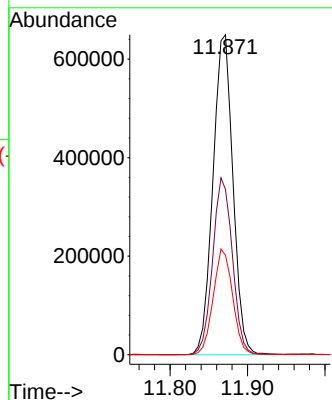
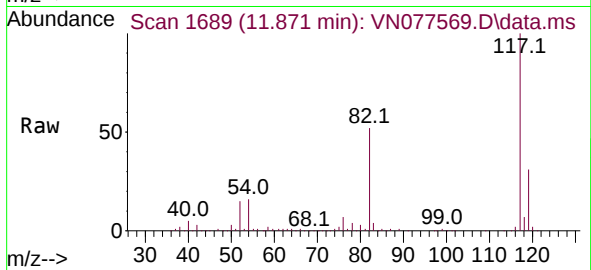




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170037
Delta R.T. 0.006 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

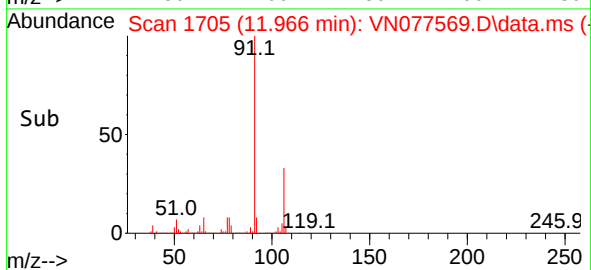
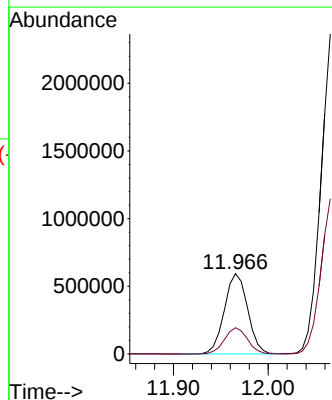
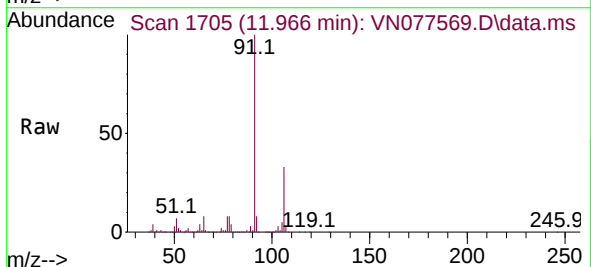
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989

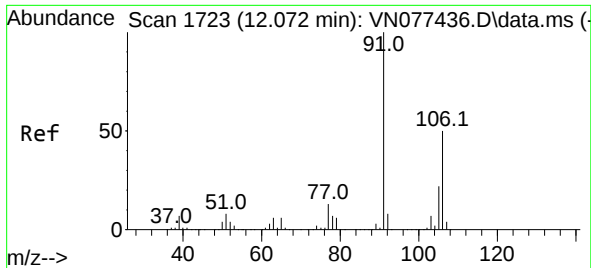
Tgt Ion:117 Resp: 1170037
Ion Ratio Lower Upper
117 100
82 51.6 44.0 66.0
119 31.1 25.6 38.4



#67
Ethyl Benzene
Concen: 23.191 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

Tgt Ion: 91 Resp: 1010782
Ion Ratio Lower Upper
91 100
106 32.7 25.6 38.4

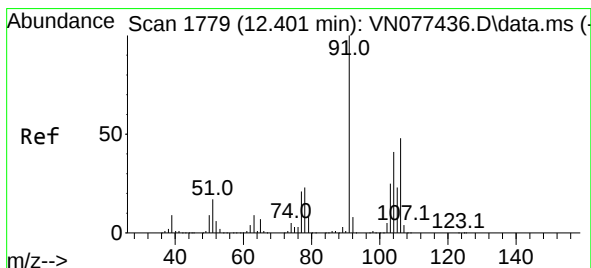
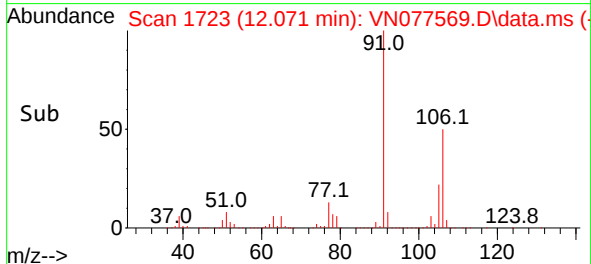
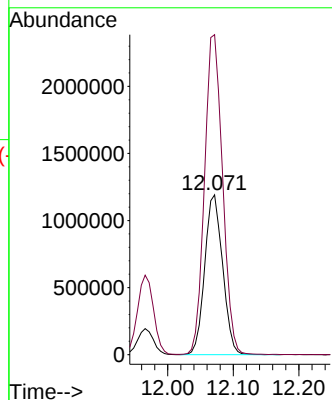
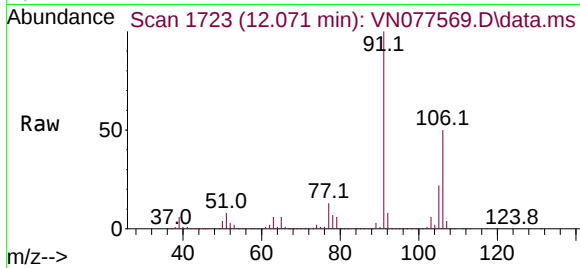




#68
m/p-Xylenes
Concen: 133.408 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

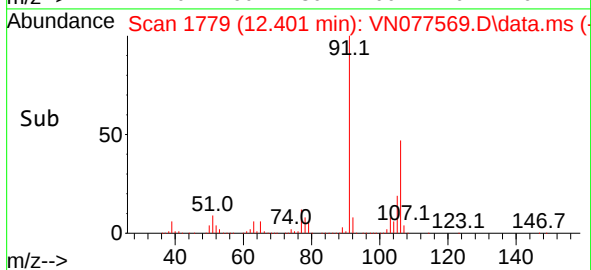
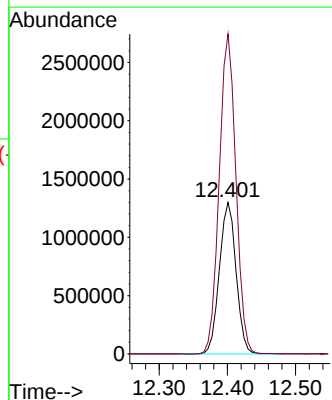
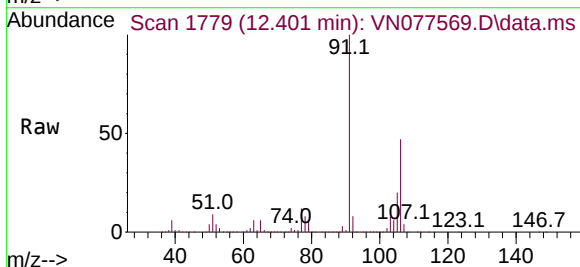
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989

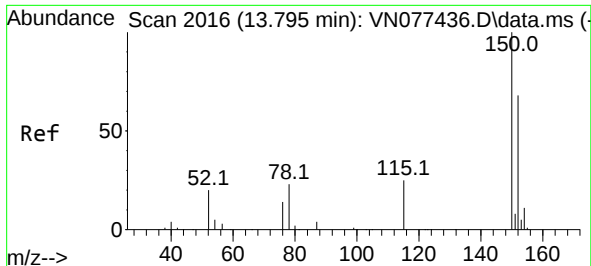
Tgt Ion:106 Resp: 2259876
Ion Ratio Lower Upper
106 100
91 202.2 159.6 239.4



#69
o-Xylene
Concen: 132.769 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

Tgt Ion:106 Resp: 2212187
Ion Ratio Lower Upper
106 100
91 211.4 105.2 315.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077569.D

Acq: 03 May 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

AUD-1989

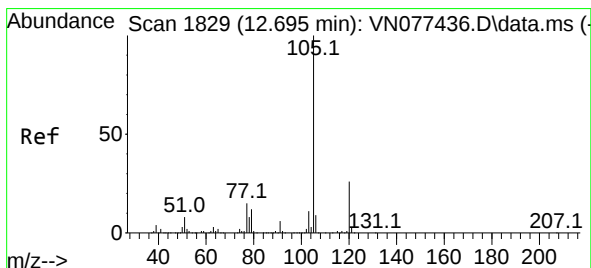
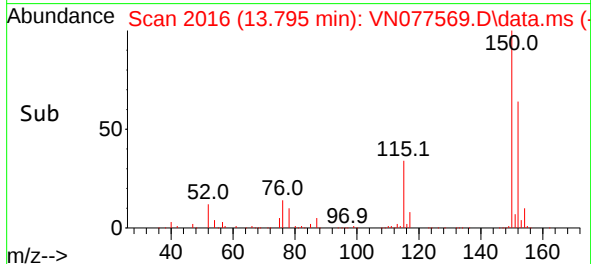
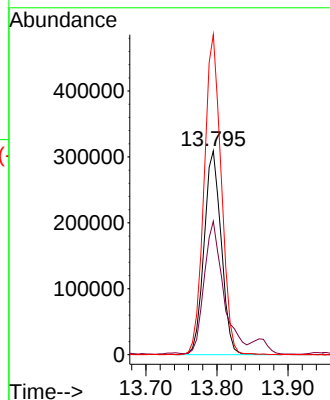
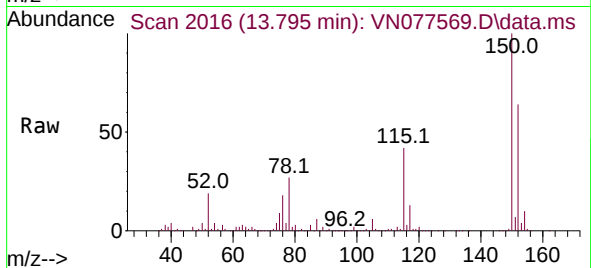
Tgt Ion:152 Resp: 518676

Ion Ratio Lower Upper

152 100

115 73.2 32.3 96.8

150 157.2 0.0 355.8



#73

Isopropylbenzene

Concen: 1.404 ug/l

RT: 12.695 min Scan# 1829

Delta R.T. -0.000 min

Lab File: VN077569.D

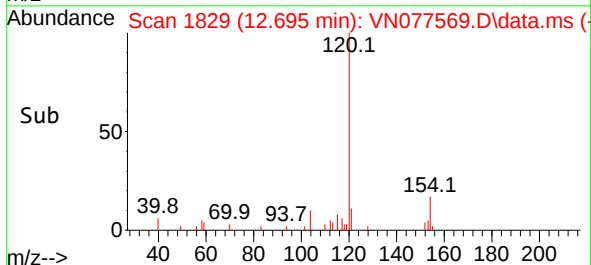
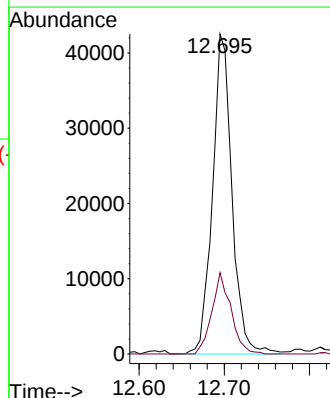
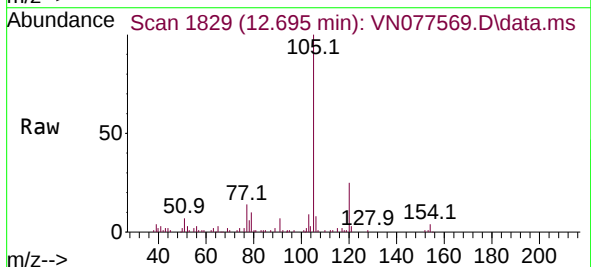
Acq: 03 May 2023 17:46

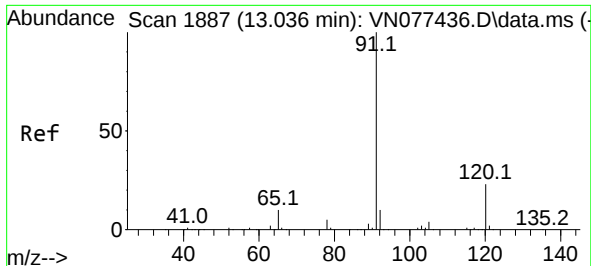
Tgt Ion:105 Resp: 67582

Ion Ratio Lower Upper

105 100

120 24.9 13.1 39.1

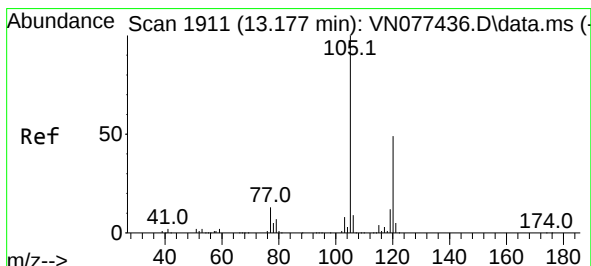
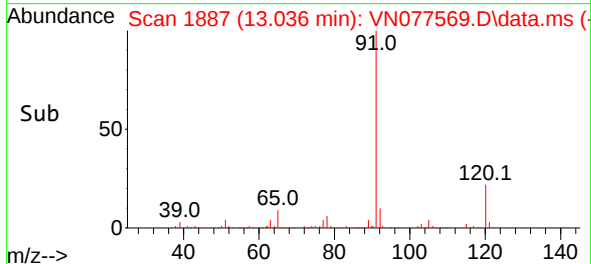
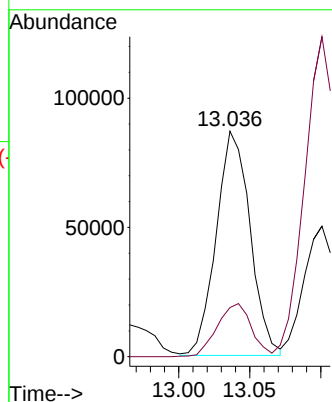
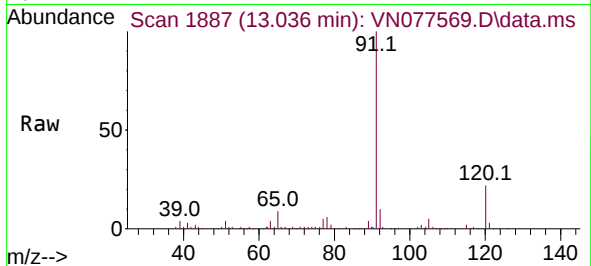




#78
n-propylbenzene
Concen: 2.707 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

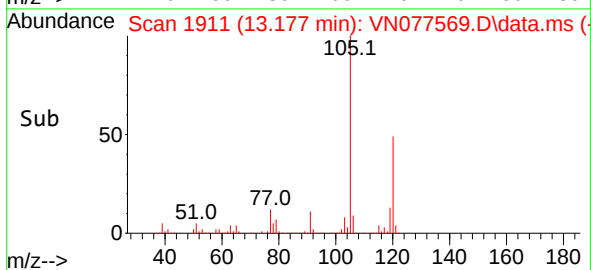
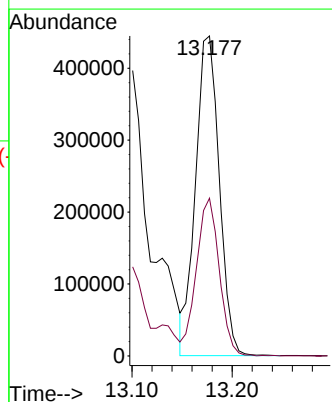
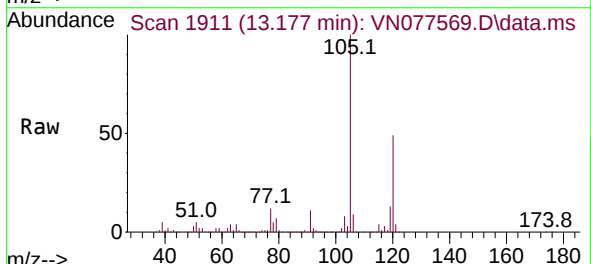
Instrument :
MSVOA_N
ClientSampleId :
AUD-1989

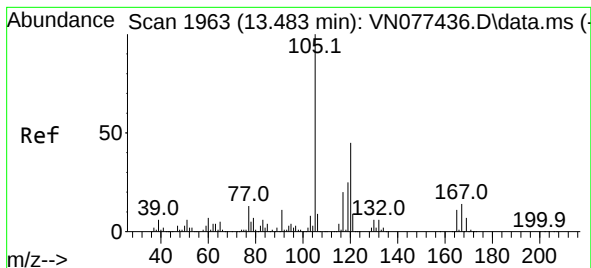
Tgt Ion: 91 Resp: 144073
Ion Ratio Lower Upper
91 100
120 23.9 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 20.474 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077569.D
Acq: 03 May 2023 17:46

Tgt Ion:105 Resp: 731802
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 83.909 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN077569.D

Acq: 03 May 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

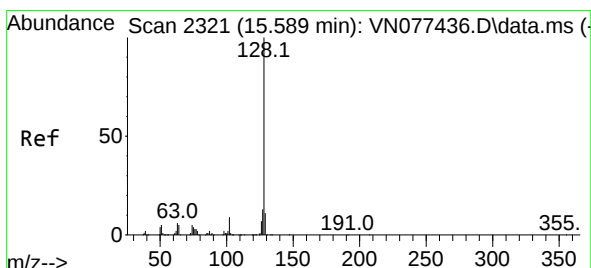
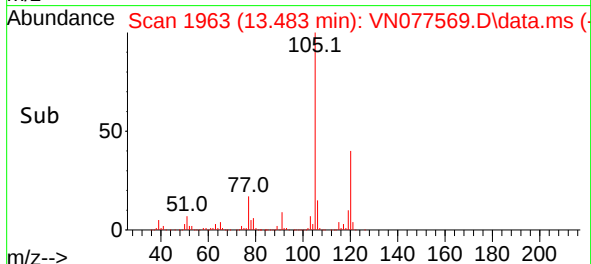
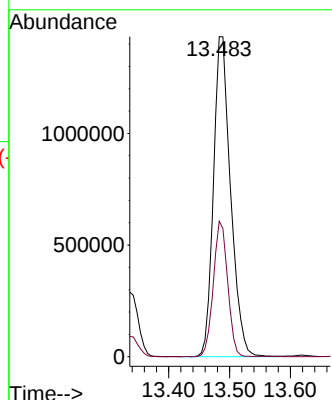
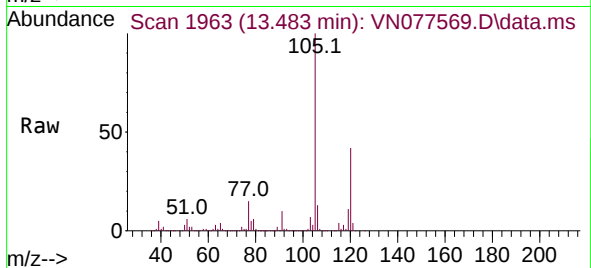
AUD-1989

Tgt Ion:105 Resp: 2800997

Ion Ratio Lower Upper

105 100

120 35.4 22.0 66.0



#95

Naphthalene

Concen: 305.442 ug/l

RT: 15.636 min Scan# 2329

Delta R.T. 0.047 min

Lab File: VN077569.D

Acq: 03 May 2023 17:46

Tgt Ion:128 Resp:21803476

Ion Ratio Lower Upper

128 100

127 16.3 10.0 15.0#

129 14.0 8.7 13.1#

