

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050423\
 Data File : VN077586.D
 Acq On : 04 May 2023 18:13
 Operator : JC\MD
 Sample : 02566-09DL 2X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1993DL

Quant Time: May 05 04:11:52 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)

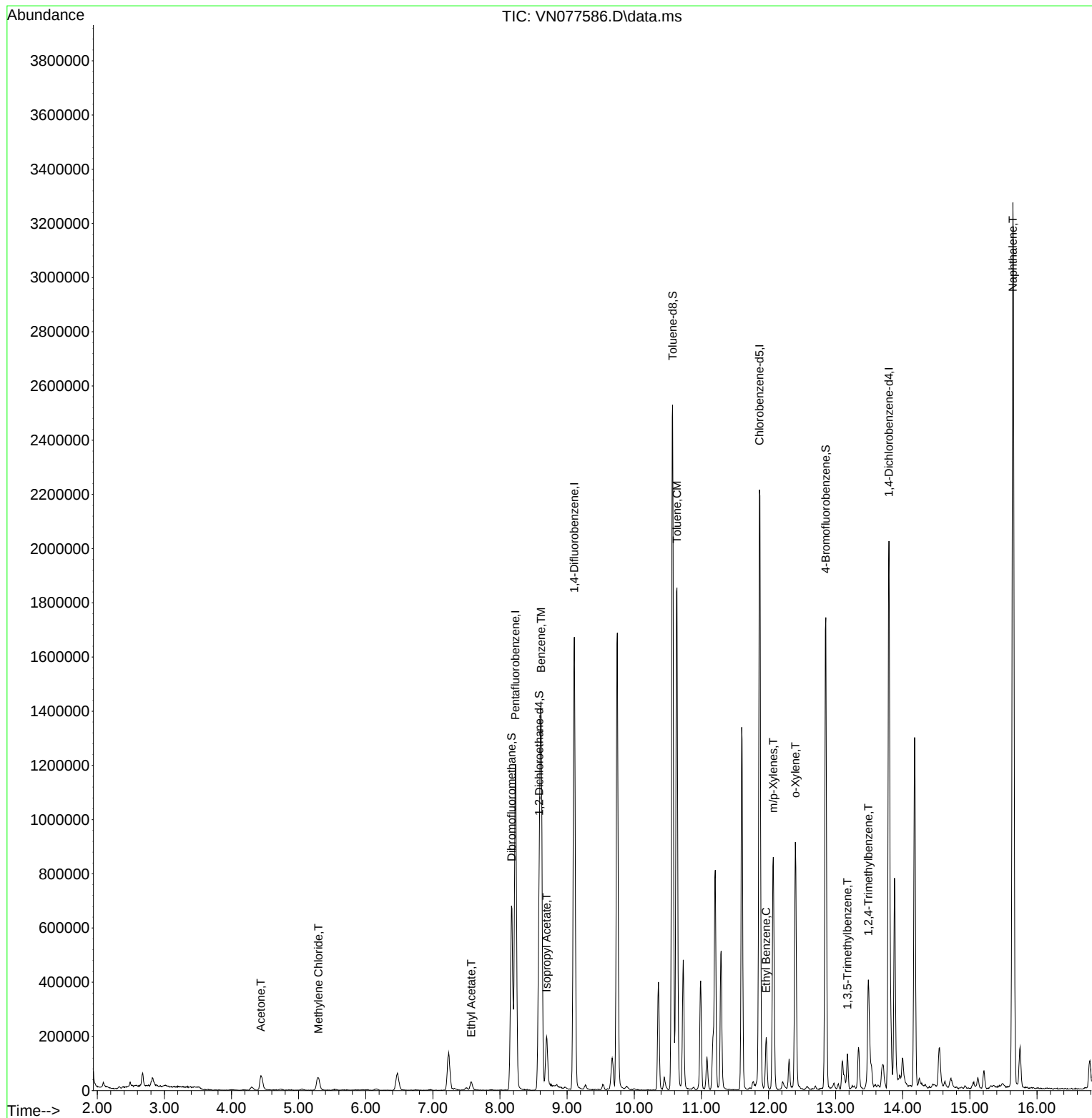
Internal Standards						
1) Pentafluorobenzene	8.231	168	860160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1627304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1462168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	582014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	534827	47.650	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.300%
35) Dibromofluoromethane	8.172	113	501753	51.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.600%
50) Toluene-d8	10.572	98	1944840	51.882	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.760%
62) 4-Bromofluorobenzene	12.854	95	661553	53.941	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.880%
Target Compounds						
					Qvalue	
16) Acetone	4.437	43	101921	28.543	ug/l	97
20) Methylene Chloride	5.295	84	46599	4.115	ug/l #	86
37) Ethyl Acetate	7.572	43	42955	4.000	ug/l #	92
40) Benzene	8.613	78	1466443	34.066	ug/l	98
43) Isopropyl Acetate	8.695	43	208004	11.198	ug/l #	90
52) Toluene	10.636	92	919483	32.606	ug/l	98
67) Ethyl Benzene	11.966	91	133648	2.454	ug/l	98
68) m/p-Xylenes	12.071	106	294528	13.913	ug/l	99
69) o-Xylene	12.401	106	265389	12.746	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	73134	1.823	ug/l	99
84) 1,2,4-Trimethylbenzene	13.489	105	284366	7.592	ug/l	86
95) Naphthalene	15.642	128	3252845	93.484	ug/l	99

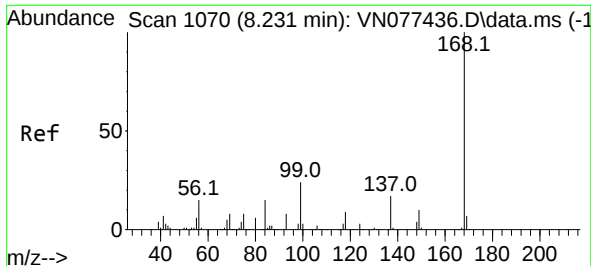
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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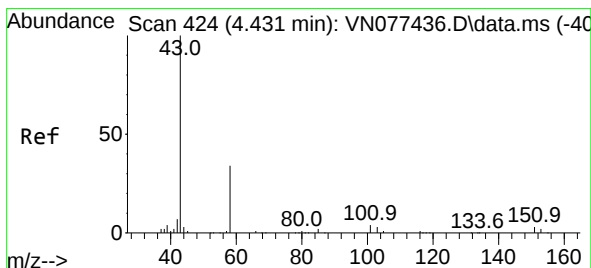
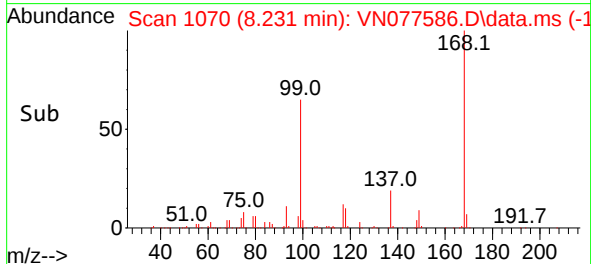
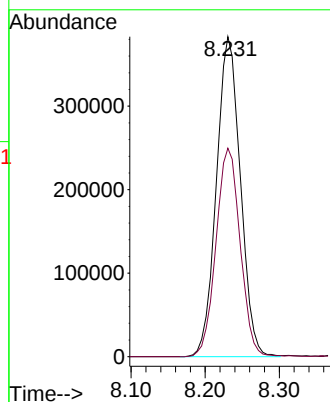
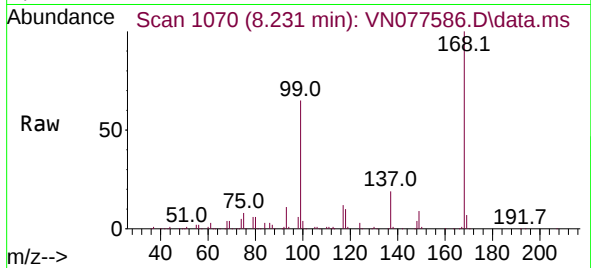




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

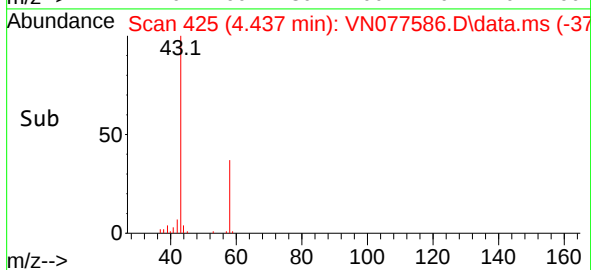
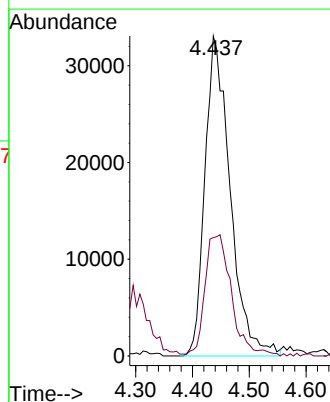
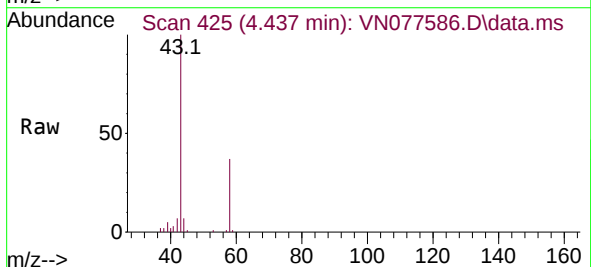
Instrument :
MSVOA_N
ClientSampleId :
AUD-1993DL

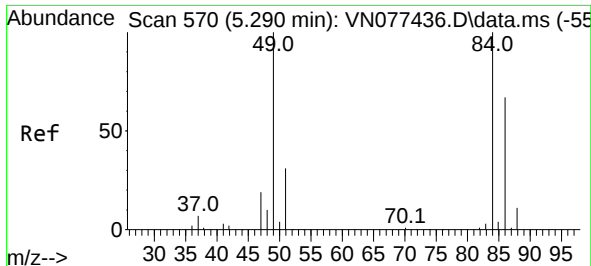
Tgt Ion:168 Resp: 860160
Ion Ratio Lower Upper
168 100
99 65.2 53.0 79.6



#16
Acetone
Concen: 28.543 ug/l
RT: 4.437 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

Tgt Ion: 43 Resp: 101921
Ion Ratio Lower Upper
43 100
58 37.0 28.0 42.0

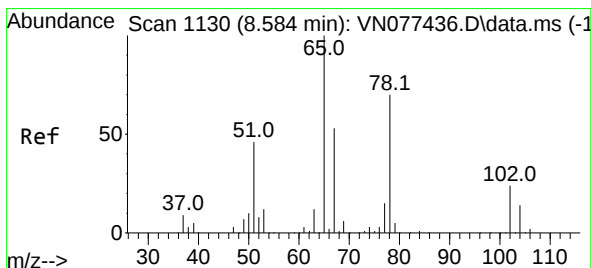
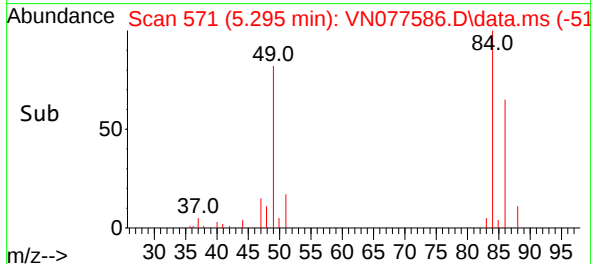
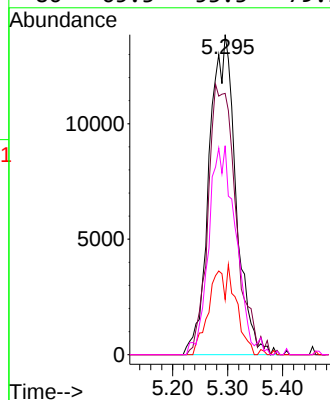
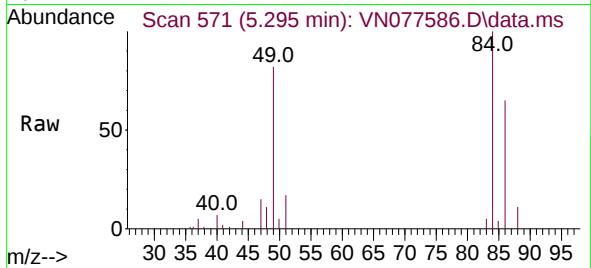




#20
Methylene Chloride
Concen: 4.115 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

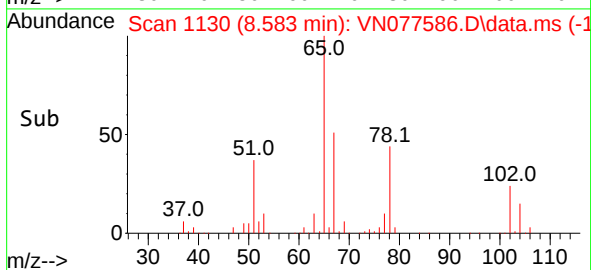
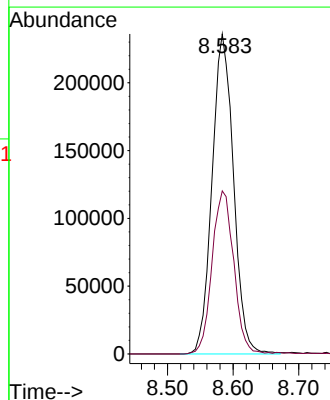
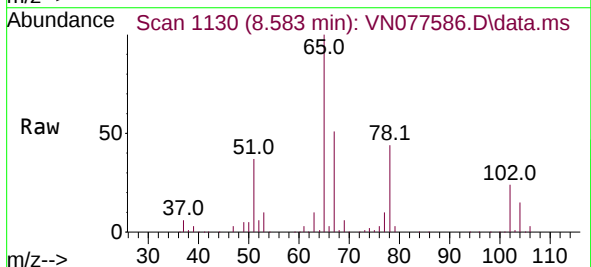
Instrument :
MSVOA_N
ClientSampleId :
AUD-1993DL

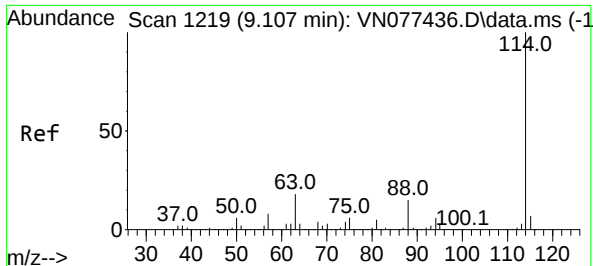
Tgt Ion: 84	Resp: 46599
Ion Ratio	Lower Upper
84	100
49	81.6 79.7 119.5
51	17.2 25.2 37.8#
86	65.3 53.3 79.9



#33
1,2-Dichloroethane-d4
Concen: 47.650 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

Tgt Ion: 65	Resp: 534827
Ion Ratio	Lower Upper
65	100
67	51.6 0.0 106.6

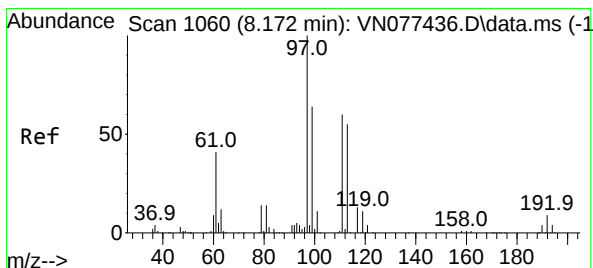
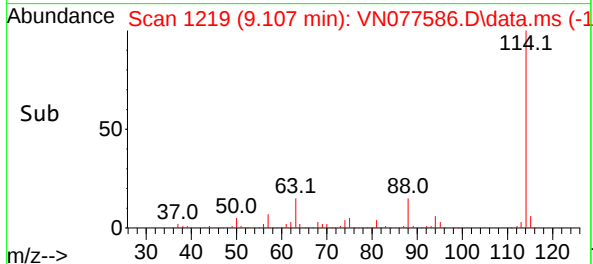
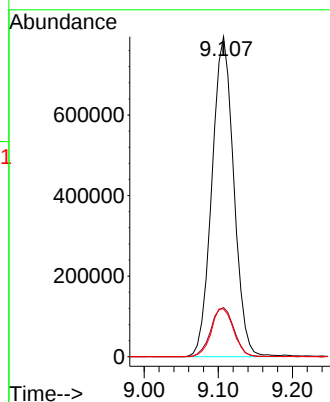
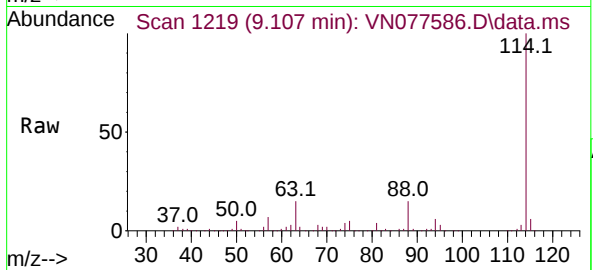




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

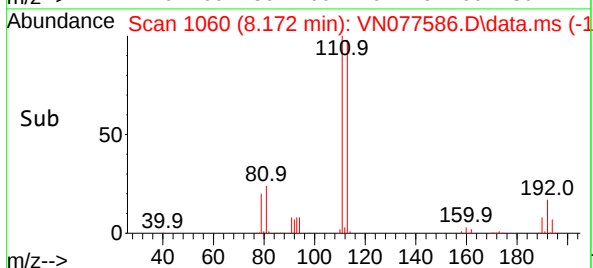
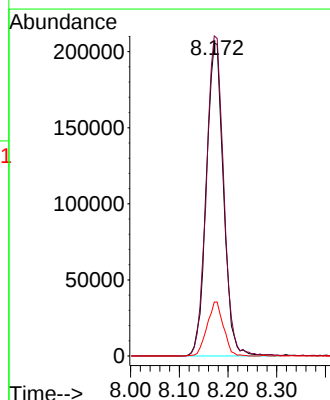
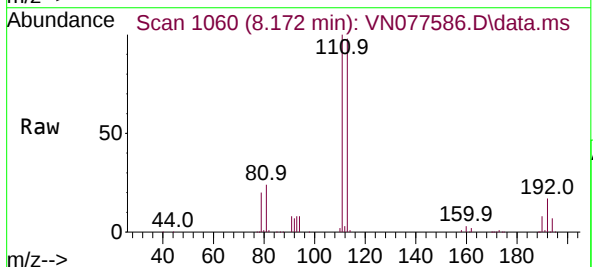
Instrument :
MSVOA_N
ClientSampleId :
AUD-1993DL

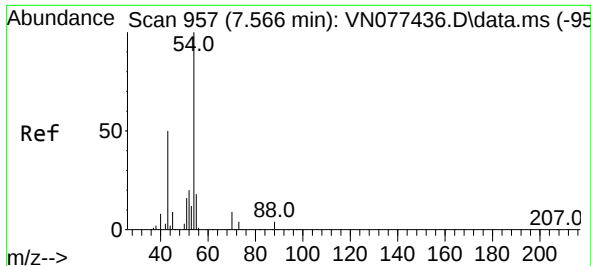
Tgt Ion:114 Resp: 1627304
Ion Ratio Lower Upper
114 100
63 15.3 0.0 36.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.300 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

Tgt Ion:113 Resp: 501753
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 16.5 12.7 19.1

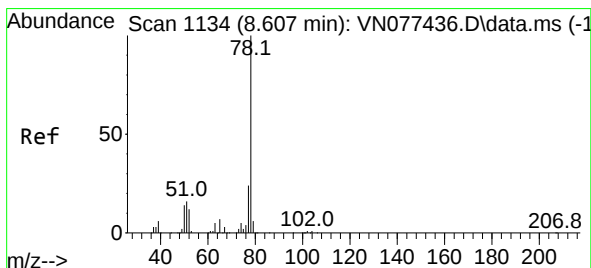
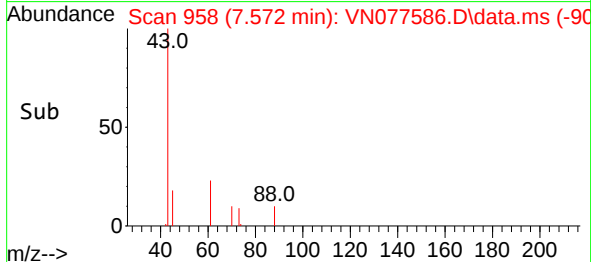
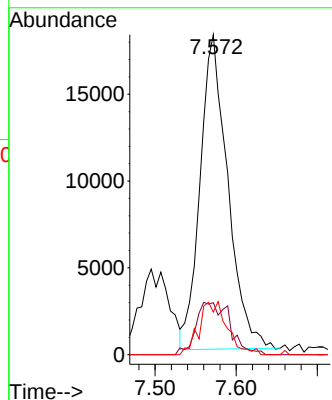
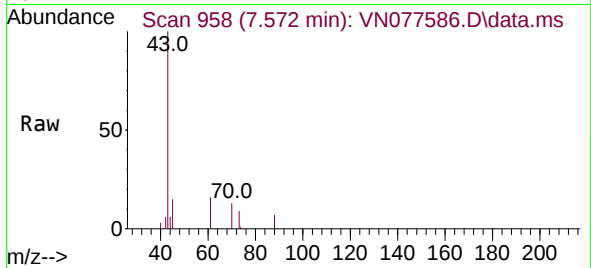




#37
Ethyl Acetate
Concen: 4.000 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

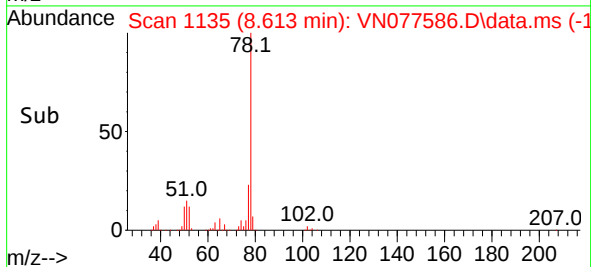
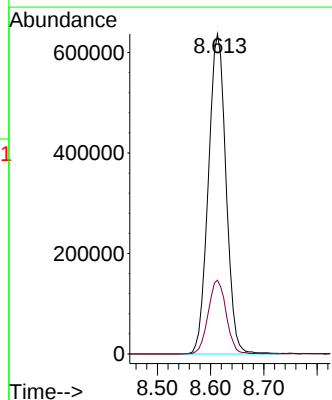
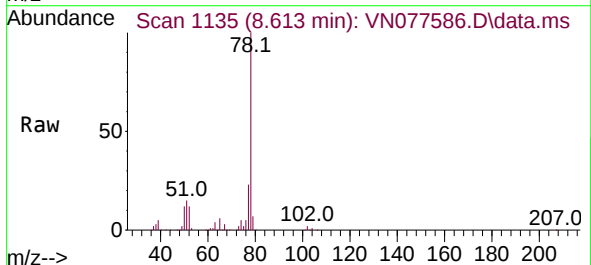
Instrument :
MSVOA_N
ClientSampleId :
AUD-1993DL

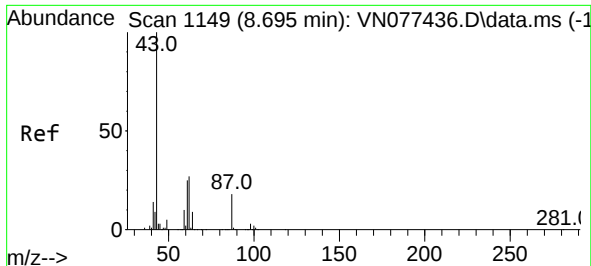
Tgt Ion: 43 Resp: 42955
Ion Ratio Lower Upper
43 100
61 20.4 13.2 19.8#
70 17.1 11.3 16.9#



#40
Benzene
Concen: 34.066 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

Tgt Ion: 78 Resp: 1466443
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6

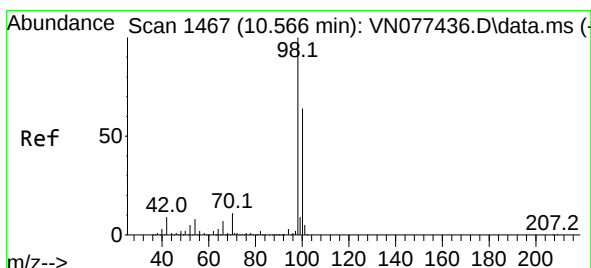
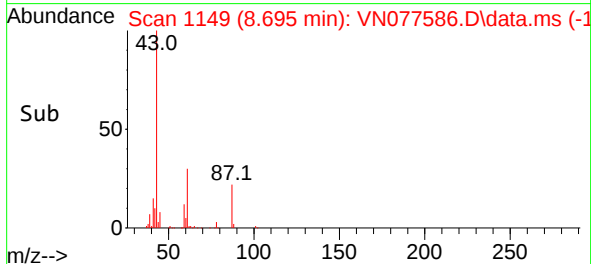
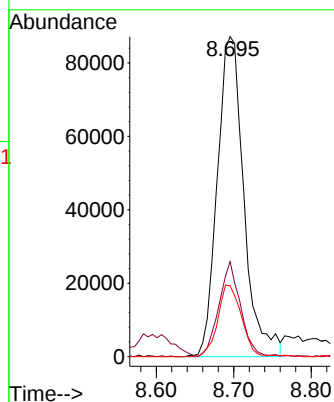
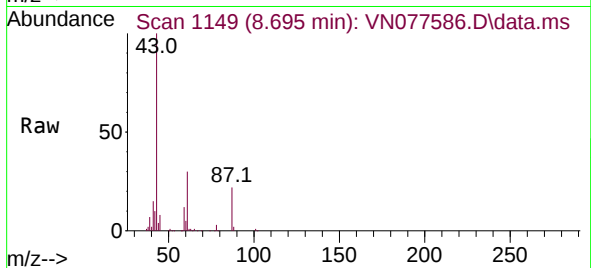




#43
Isopropyl Acetate
Concen: 11.198 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

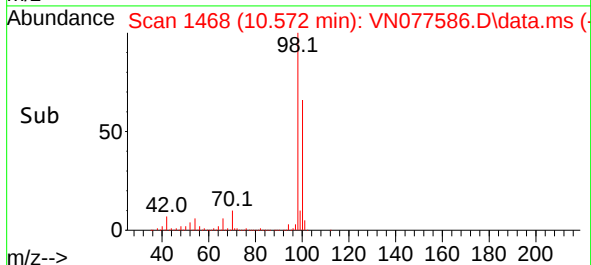
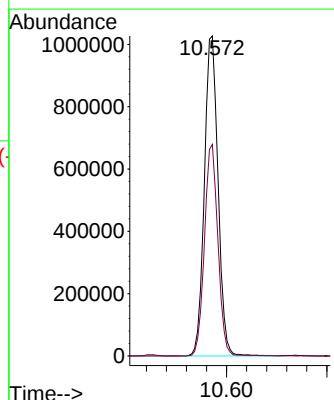
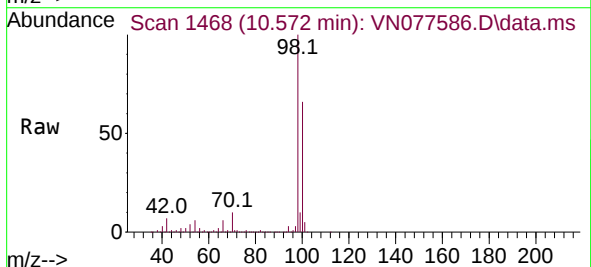
Instrument :
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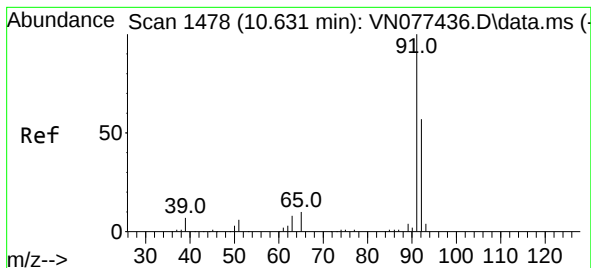
Tgt Ion: 43 Resp: 208004
Ion Ratio Lower Upper
43 100
61 23.7 24.7 37.1#
87 20.1 14.6 21.8



#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

Tgt Ion: 98 Resp: 1944840
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0





#52

Toluene

Concen: 32.606 ug/l

RT: 10.636 min Scan# 1478

Delta R.T. 0.006 min

Lab File: VN077586.D

Acq: 04 May 2023 18:13

Instrument :

MSVOA_N

ClientSampleId :

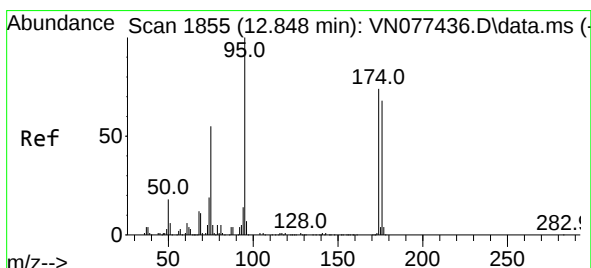
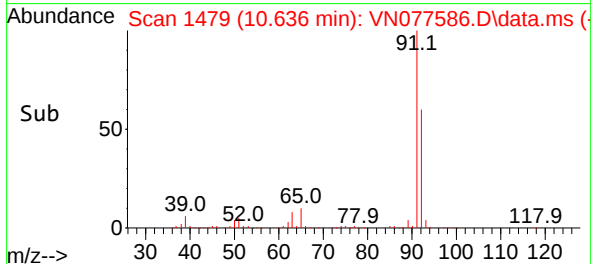
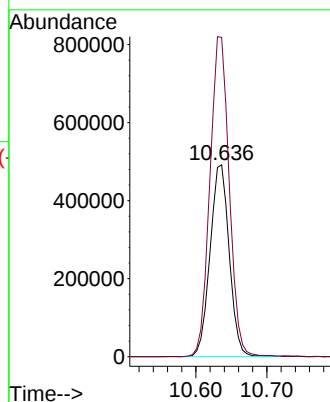
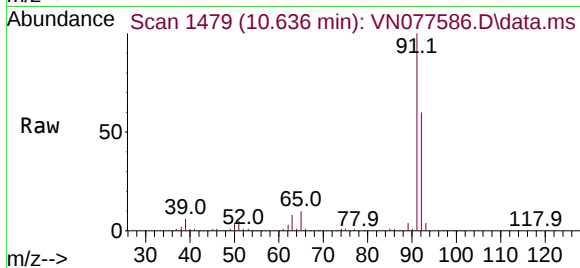
AUD-1993DL

Tgt Ion: 92 Resp: 919483

Ion Ratio Lower Upper

92 100

91 168.3 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 53.941 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077586.D

Acq: 04 May 2023 18:13

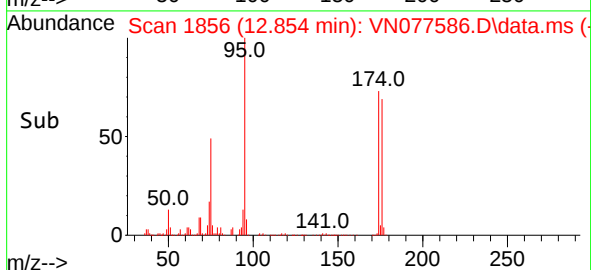
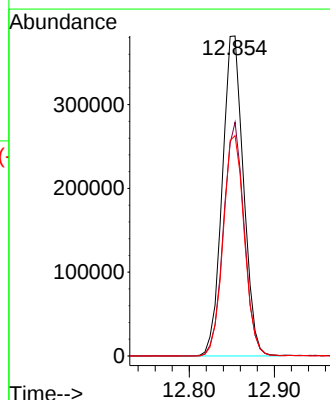
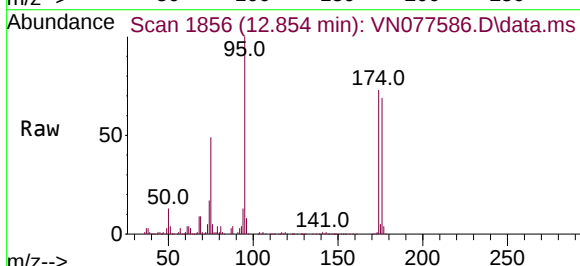
Tgt Ion: 95 Resp: 661553

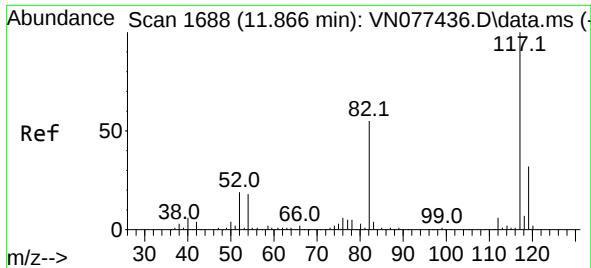
Ion Ratio Lower Upper

95 100

174 70.8 0.0 143.8

176 68.7 0.0 135.8

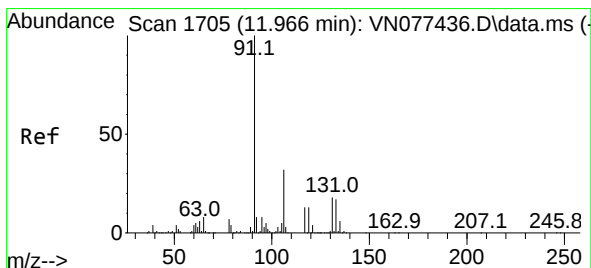
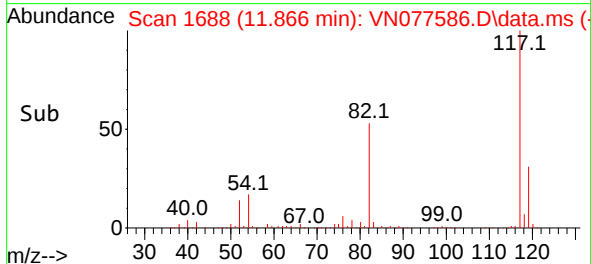
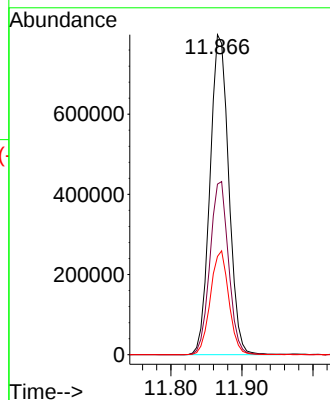
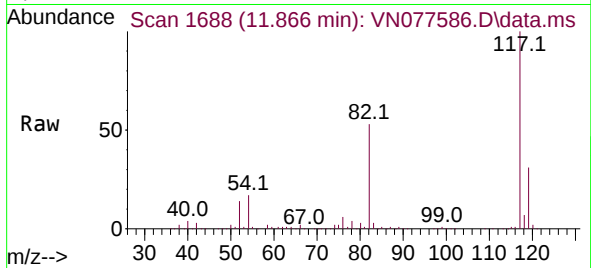




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

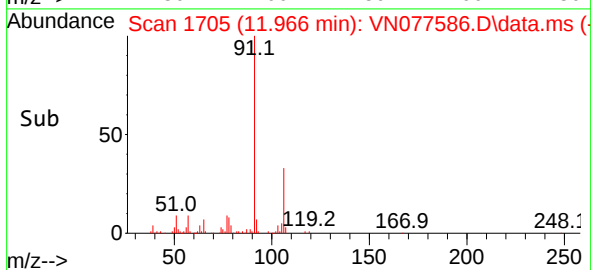
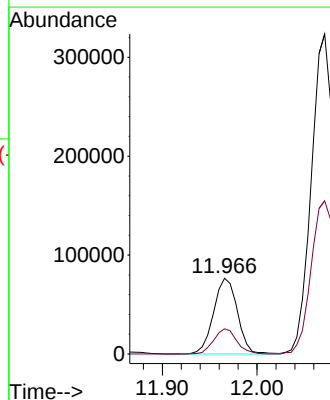
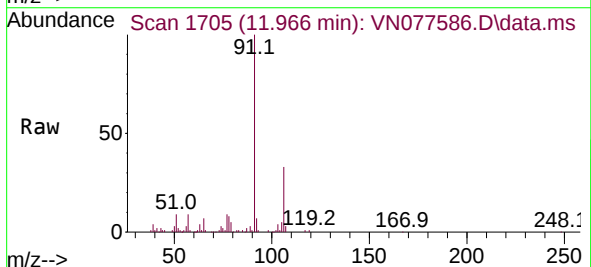
Instrument :
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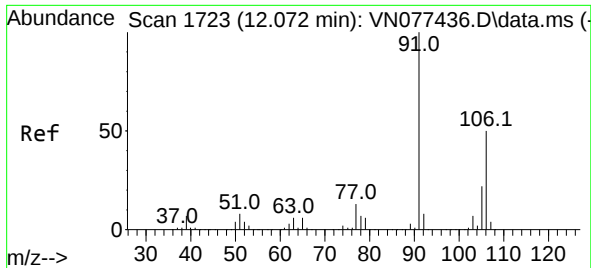
Tgt Ion:117 Resp: 1462168
Ion Ratio Lower Upper
117 100
82 53.3 44.0 66.0
119 30.7 25.6 38.4



#67
Ethyl Benzene
Concen: 2.454 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

Tgt Ion: 91 Resp: 133648
Ion Ratio Lower Upper
91 100
106 33.3 25.6 38.4

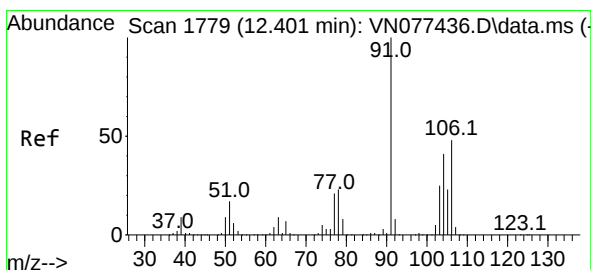
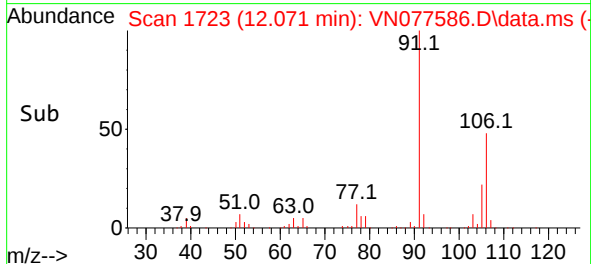
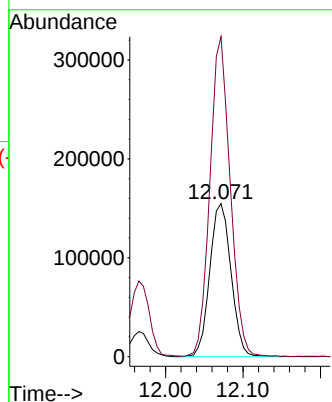
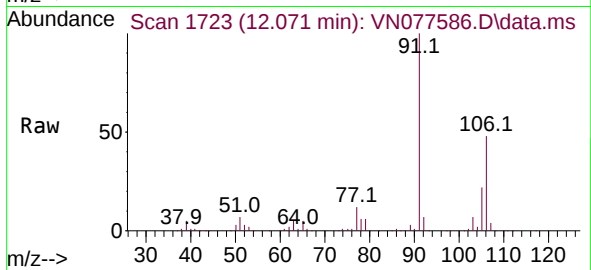




#68
m/p-Xylenes
Concen: 13.913 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

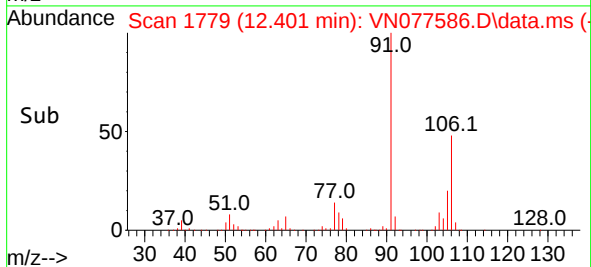
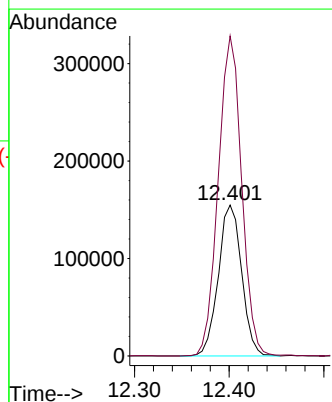
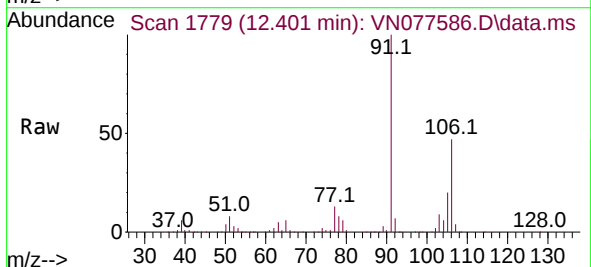
Instrument :
MSVOA_N
ClientSampleId :
AUD-1993DL

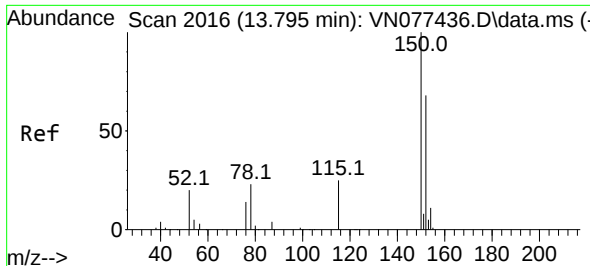
Tgt Ion:106 Resp: 294528
Ion Ratio Lower Upper
106 100
91 200.4 159.6 239.4



#69
o-Xylene
Concen: 12.746 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

Tgt Ion:106 Resp: 265389
Ion Ratio Lower Upper
106 100
91 213.0 105.2 315.5

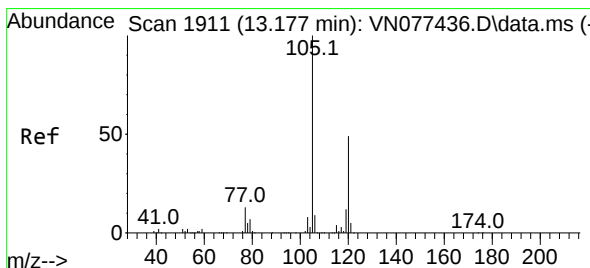
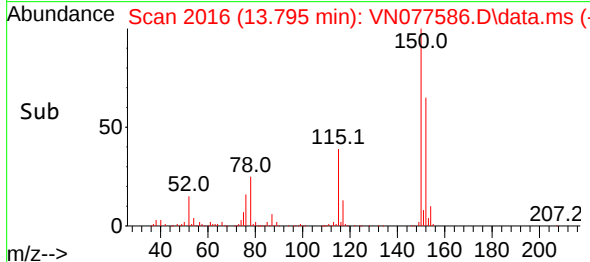
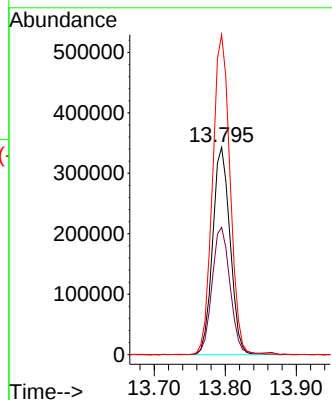
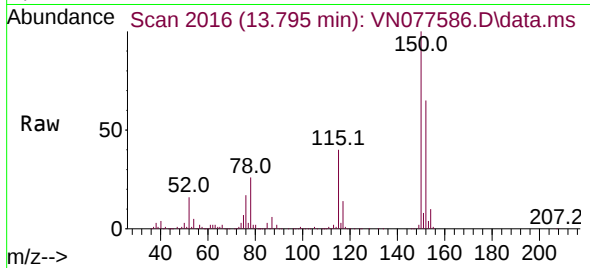




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN077586.D
 Acq: 04 May 2023 18:13

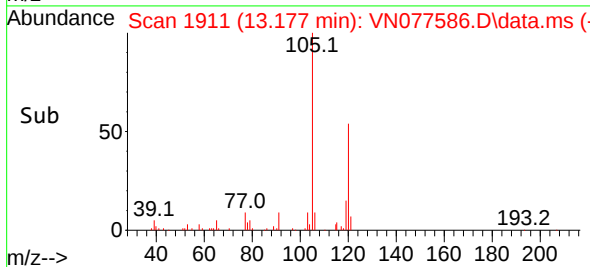
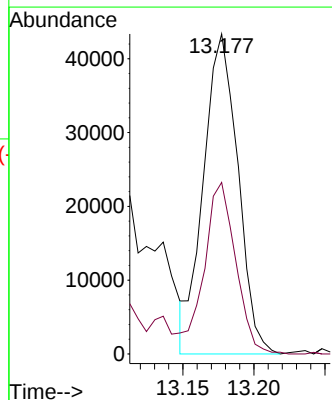
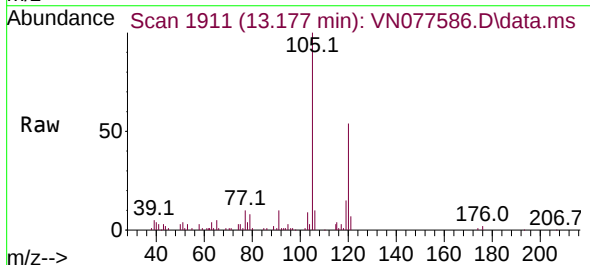
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1993DL

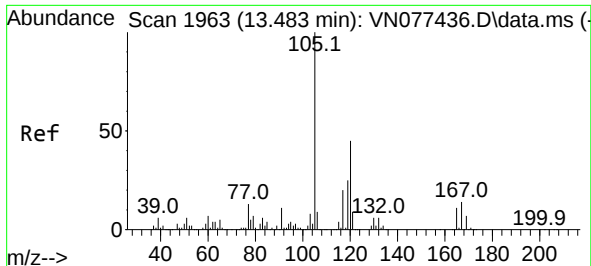
Tgt Ion:152 Resp: 582014
 Ion Ratio Lower Upper
 152 100
 115 63.5 32.3 96.8
 150 155.5 0.0 355.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.823 ug/l
 RT: 13.177 min Scan# 1911
 Delta R.T. 0.000 min
 Lab File: VN077586.D
 Acq: 04 May 2023 18:13

Tgt Ion:105 Resp: 73134
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.3

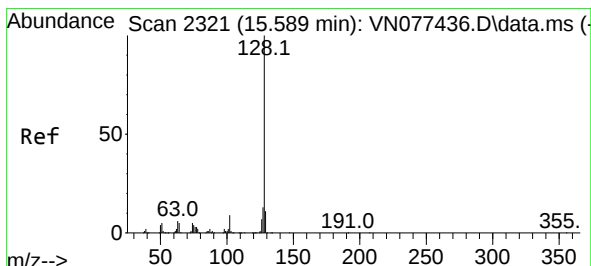
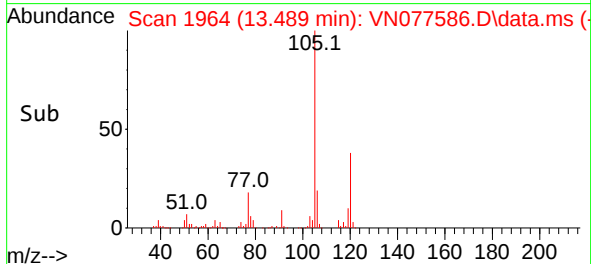
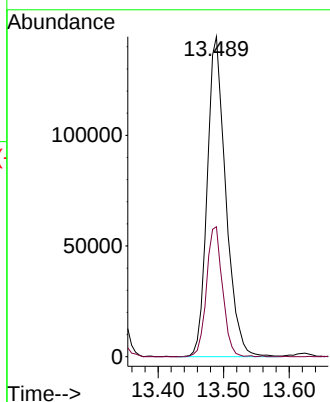
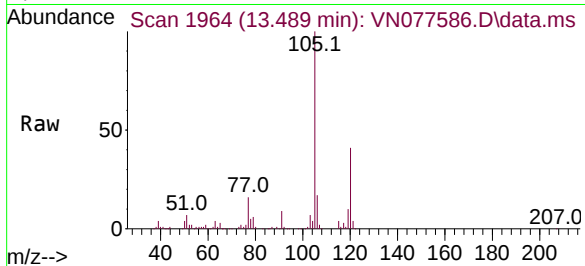




#84
1,2,4-Trimethylbenzene
Concen: 7.592 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.006 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

Instrument :
MSVOA_N
ClientSampleId :
AUD-1993DL

Tgt Ion:105 Resp: 284366
Ion Ratio Lower Upper
105 100
120 35.1 22.0 66.0



#95
Naphthalene
Concen: 93.484 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. 0.053 min
Lab File: VN077586.D
Acq: 04 May 2023 18:13

Tgt Ion:128 Resp: 3252845
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 10.9 8.7 13.1

