

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080559.D
 Acq On : 20 Dec 2023 20:04
 Operator : JC\MD
 Sample : 05896-04
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1108

Quant Time: Dec 21 02:51:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.223	168	226239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	441994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	439378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208897	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	160535	55.556	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.120%	
35) Dibromofluoromethane	8.165	113	134558	48.015	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.040%	
50) Toluene-d8	10.565	98	527016	50.425	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	12.853	95	225302	56.769	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.540%	

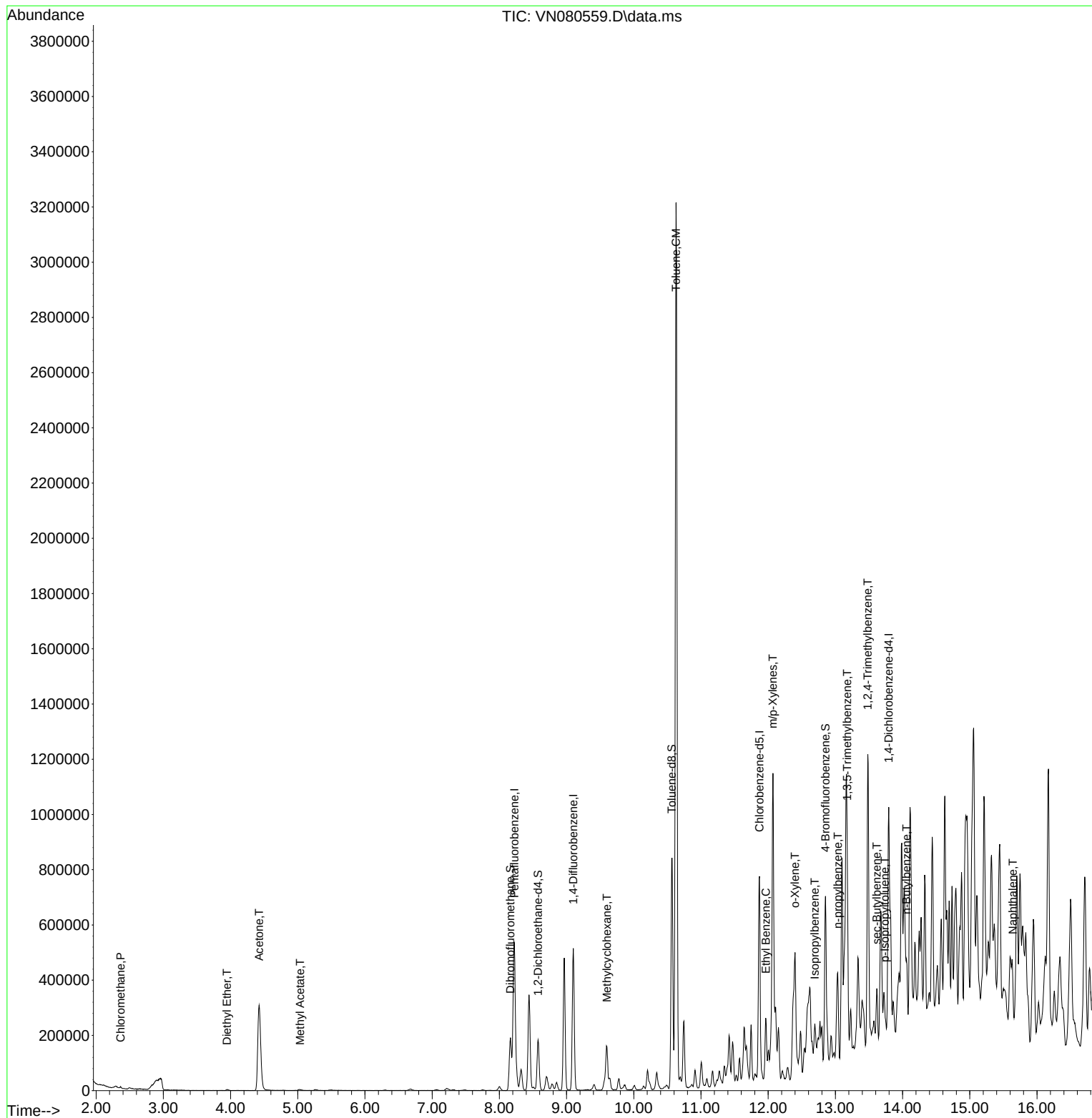
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	5662	1.484	ug/l	94
8) Diethyl Ether	3.947	74	2427	1.539	ug/l	77
16) Acetone	4.424	43	593468	1158.309	ug/l	99
18) Methyl Acetate	5.035	43	7631	2.315	ug/l #	58
39) Methylcyclohexane	9.600	83	66376	13.944	ug/l	89
52) Toluene	10.629	92	1463129	175.040	ug/l	99
67) Ethyl Benzene	11.964	91	147695	8.218	ug/l	97
68) m/p-Xylenes	12.070	106	157386	23.699	ug/l	92
69) o-Xylene	12.400	106	92648	14.263	ug/l	91
73) Isopropylbenzene	12.694	105	58306	3.474	ug/l	96
78) n-propylbenzene	13.035	91	186429	10.076	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	180491	12.488	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	639674	44.490	ug/l	98
85) sec-Butylbenzene	13.617	105	98498	6.505	ug/l	88
86) p-Isopropyltoluene	13.735	119	57582	4.212	ug/l	99
89) n-Butylbenzene	14.058	91	141743	12.415	ug/l #	83
95) Naphthalene	15.641	128	55200	4.740	ug/l	97

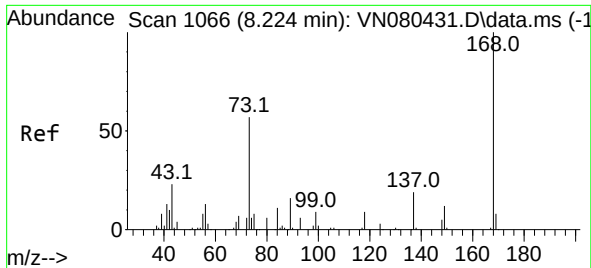
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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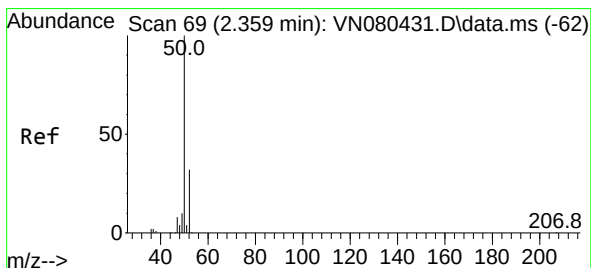
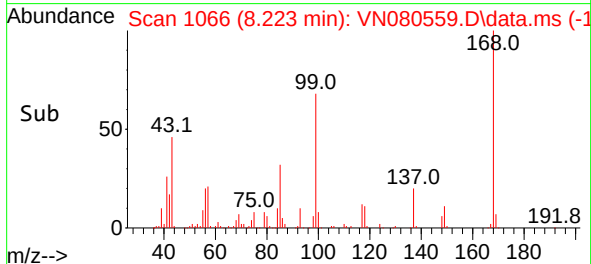
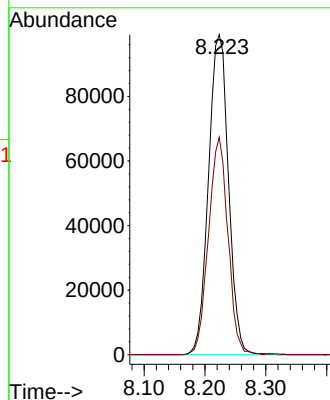
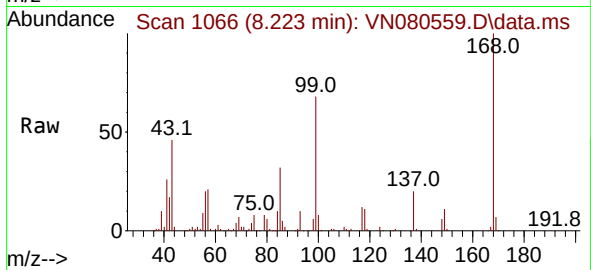




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 1108
Delta R.T. -0.001 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

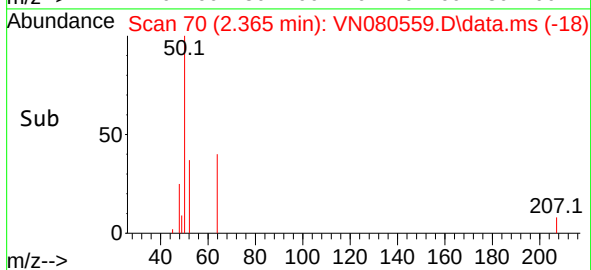
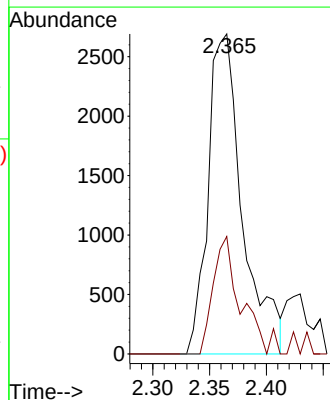
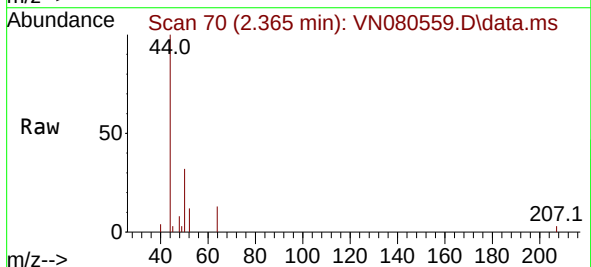
Instrument :
MSVOA_N
ClientSampleId :
1108

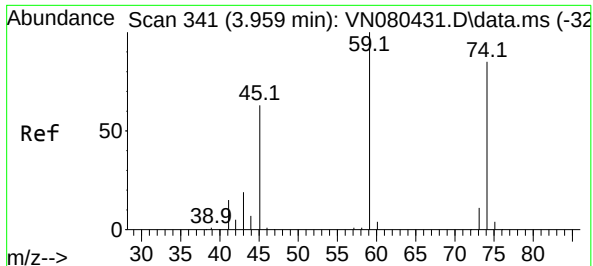
Tgt Ion:168 Resp: 226239
Ion Ratio Lower Upper
168 100
99 67.9 53.0 79.6



#3
Chloromethane
Concen: 1.484 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

Tgt Ion: 50 Resp: 5662
Ion Ratio Lower Upper
50 100
52 36.7 26.5 39.7





#8

Diethyl Ether

Concen: 1.539 ug/l

RT: 3.947 min Scan# 31

Delta R.T. -0.012 min

Lab File: VN080559.D

Acq: 20 Dec 2023 20:04

Instrument :

MSVOA_N

ClientSampleId :

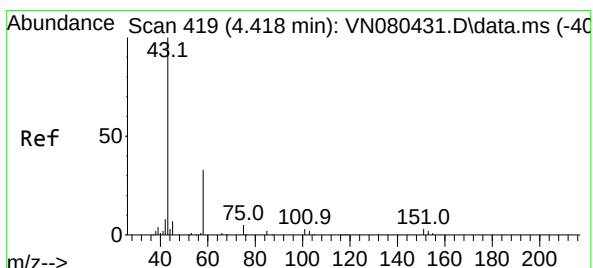
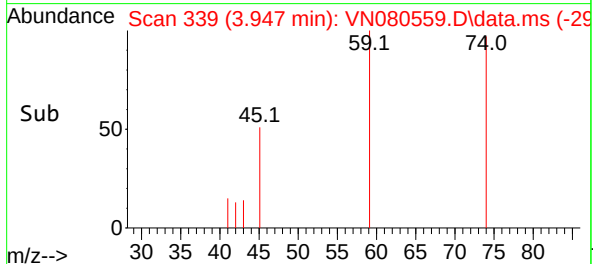
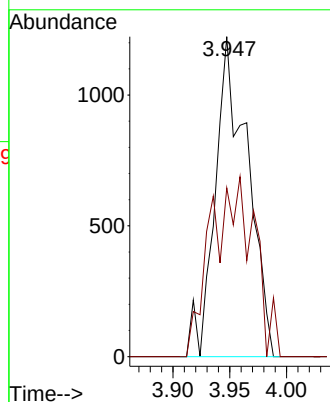
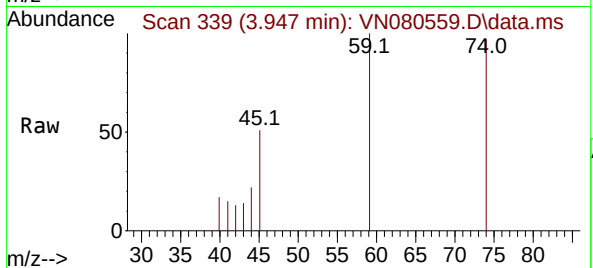
1108

Tgt Ion: 74 Resp: 2427

Ion Ratio Lower Upper

74 100

45 49.9 34.4 103.3



#16

Acetone

Concen: 1158.309 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN080559.D

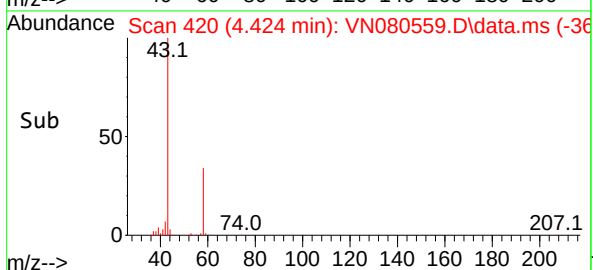
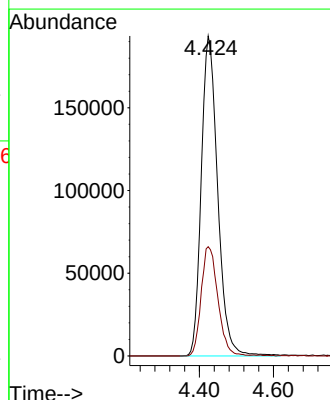
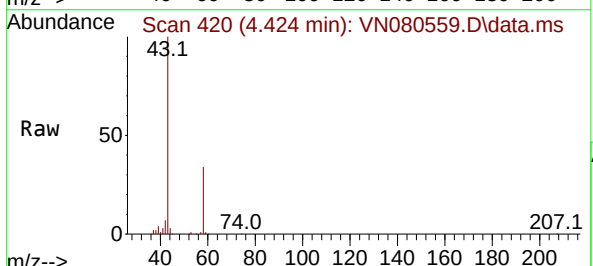
Acq: 20 Dec 2023 20:04

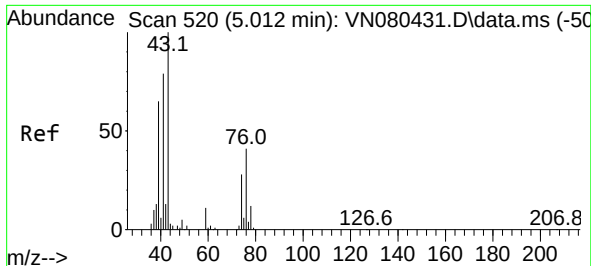
Tgt Ion: 43 Resp: 593468

Ion Ratio Lower Upper

43 100

58 34.1 28.0 42.0

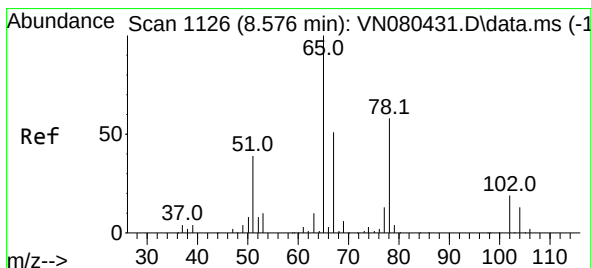
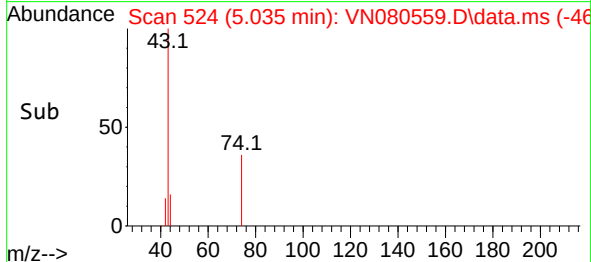
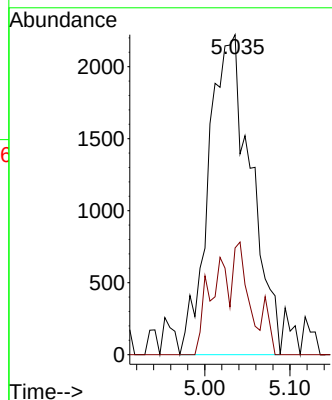
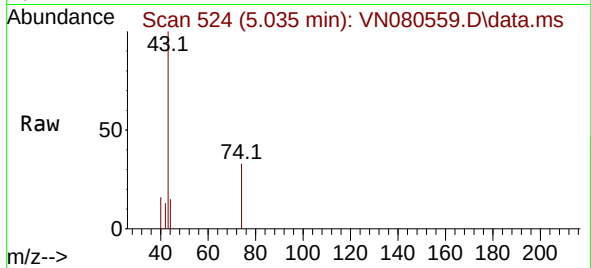




#18
Methyl Acetate
Concen: 2.315 ug/l
RT: 5.035 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

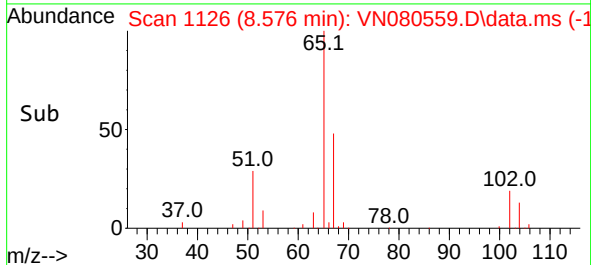
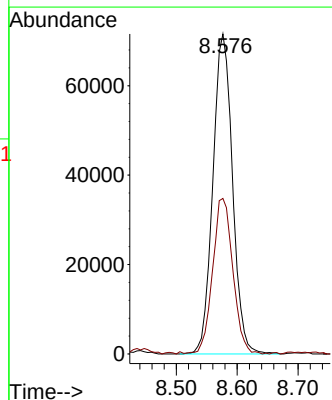
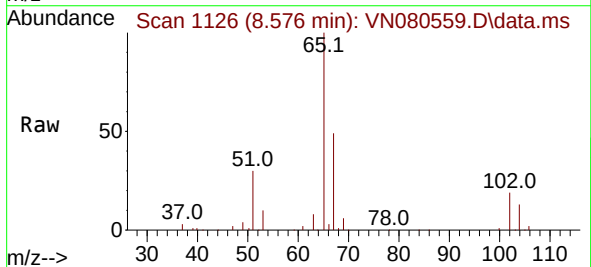
Instrument :
MSVOA_N
ClientSampleId :
1108

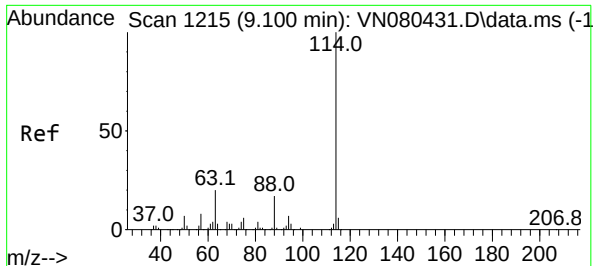
Tgt Ion: 43 Resp: 7631
Ion Ratio Lower Upper
43 100
74 8.9 26.2 39.4#



#33
1,2-Dichloroethane-d4
Concen: 55.556 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

Tgt Ion: 65 Resp: 160535
Ion Ratio Lower Upper
65 100
67 50.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VN080559.D

Acq: 20 Dec 2023 20:04

Instrument :

MSVOA_N

ClientSampleId :

1108

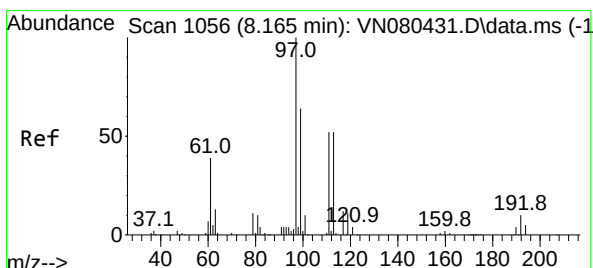
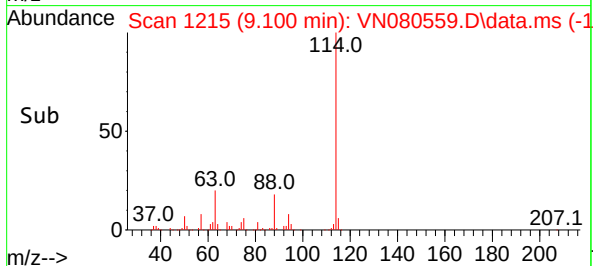
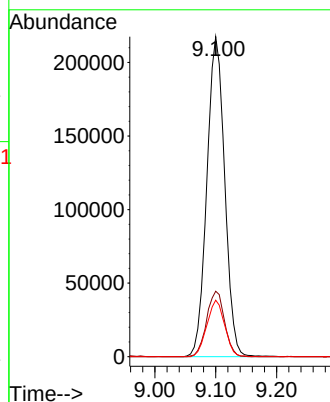
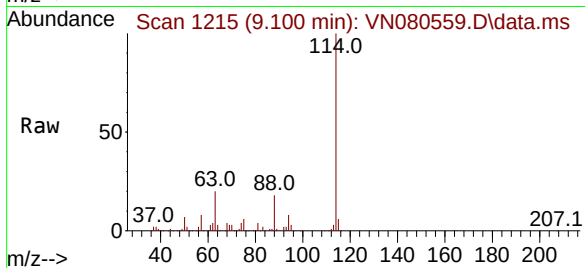
Tgt Ion:114 Resp: 441994

Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 17.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.015 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080559.D

Acq: 20 Dec 2023 20:04

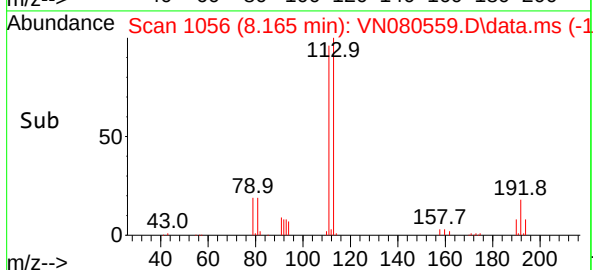
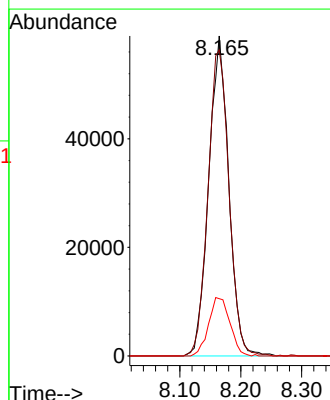
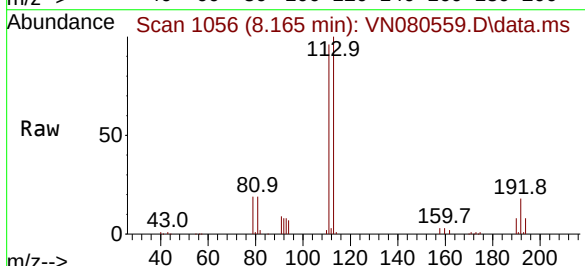
Tgt Ion:113 Resp: 134558

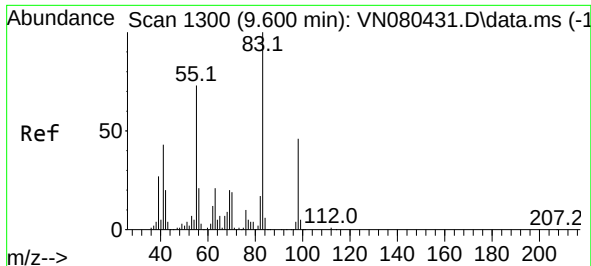
Ion Ratio Lower Upper

113 100

111 100.3 82.6 123.8

192 19.4 12.7 19.1#

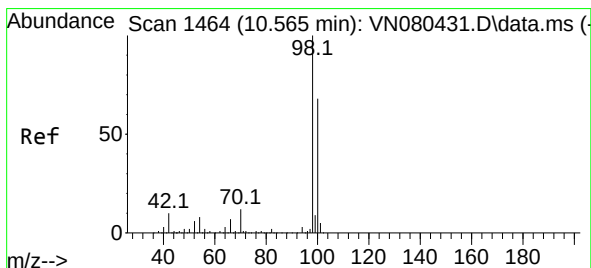
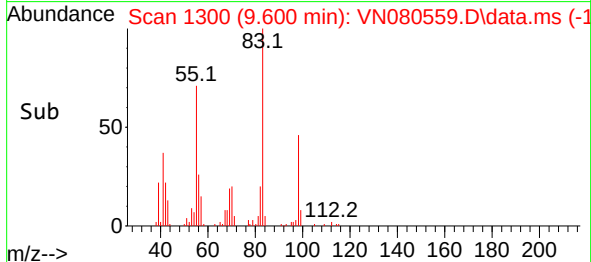
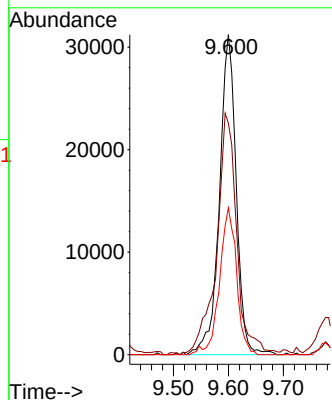
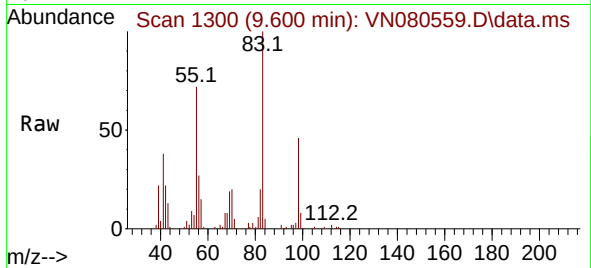




#39
Methylcyclohexane
Concen: 13.944 ug/l
RT: 9.600 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

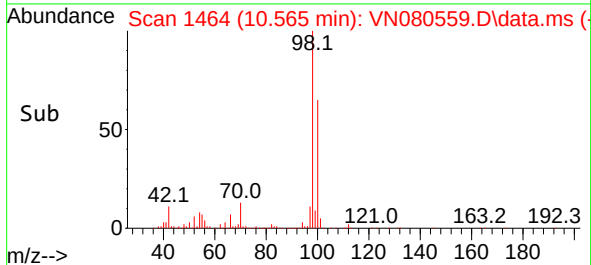
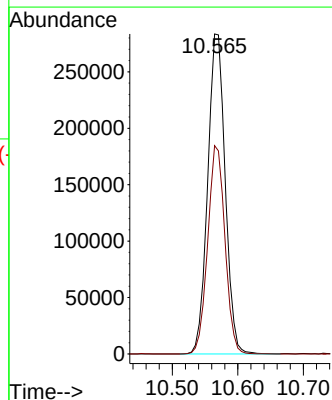
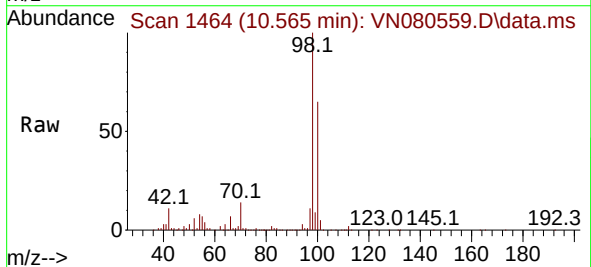
Instrument :
MSVOA_N
ClientSampleId :
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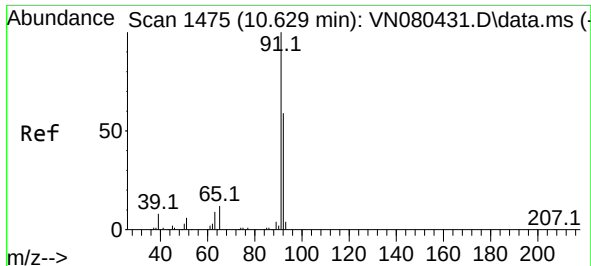
Tgt Ion: 83 Resp: 66376
Ion Ratio Lower Upper
83 100
55 72.3 49.1 73.7
98 45.9 40.6 61.0



#50
Toluene-d8
Concen: 50.425 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

Tgt Ion: 98 Resp: 527016
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

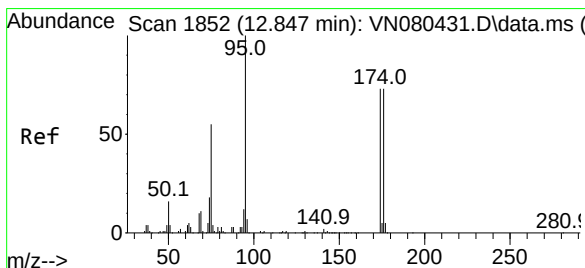
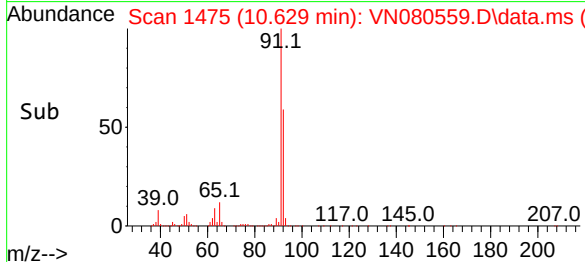
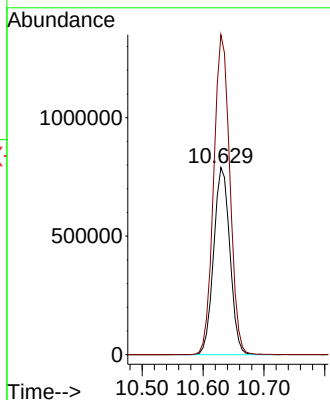
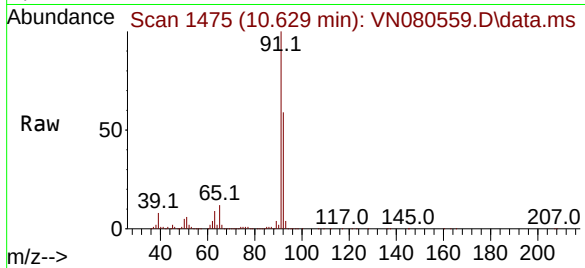




#52
Toluene
Concen: 175.040 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

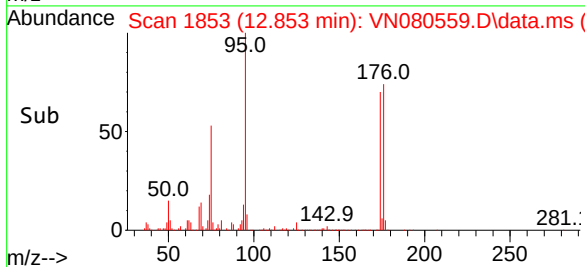
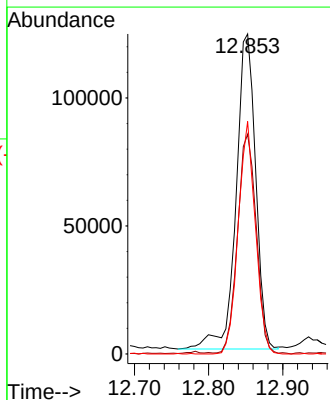
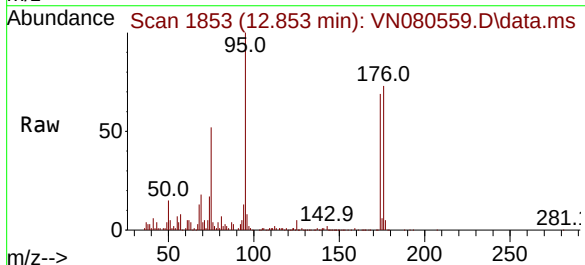
Instrument :
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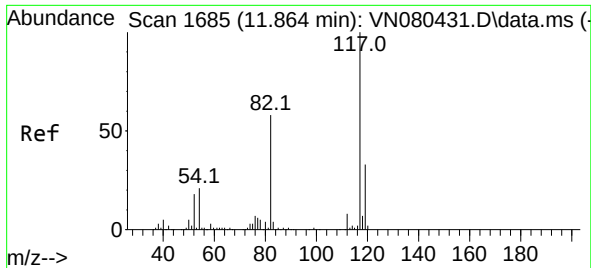
Tgt Ion: 92 Resp: 1463129
Ion Ratio Lower Upper
92 100
91 170.1 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 56.769 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

Tgt Ion: 95 Resp: 225302
Ion Ratio Lower Upper
95 100
174 67.3 0.0 143.8
176 65.0 0.0 135.8

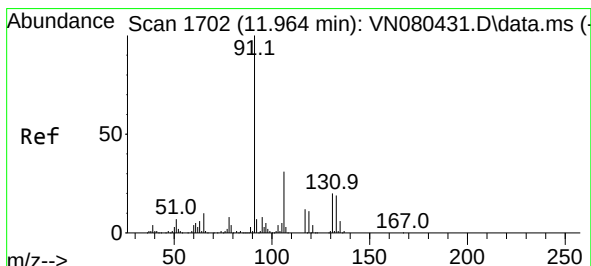
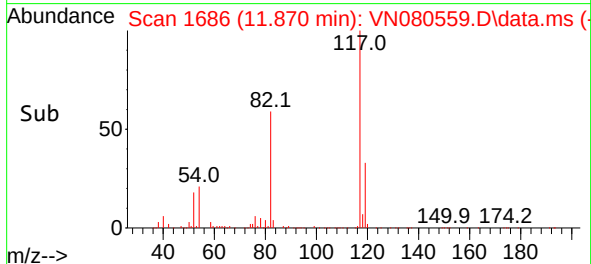
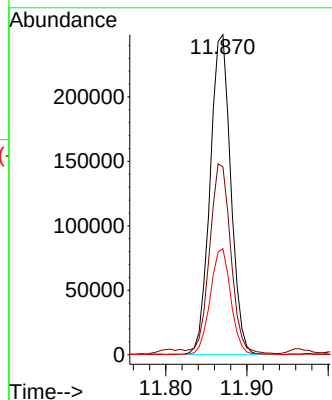
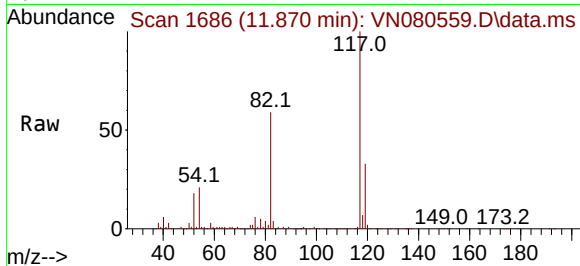




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

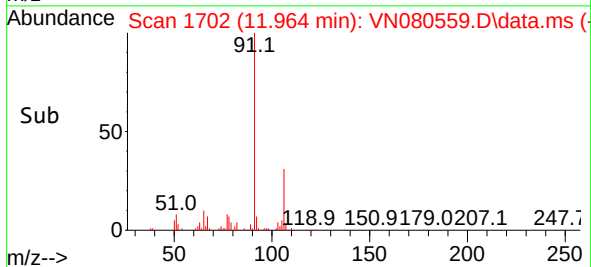
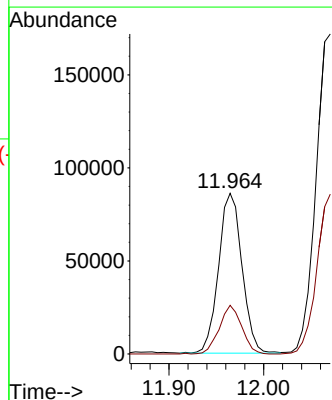
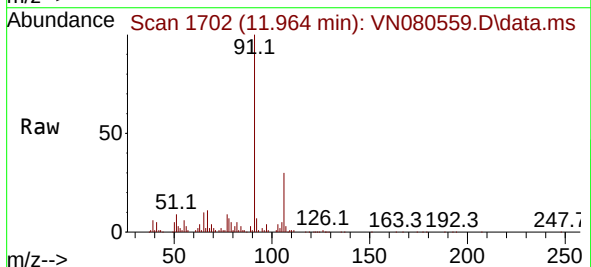
Instrument :
MSVOA_N
ClientSampleId :
1108

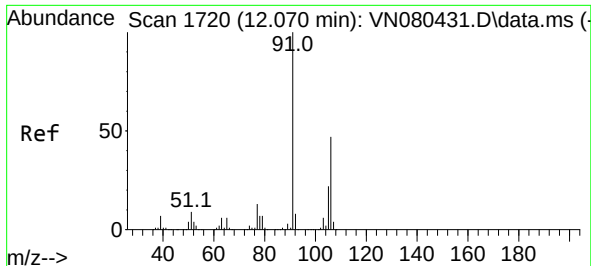
Tgt Ion:117 Resp: 439378
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 33.1 25.6 38.4



#67
Ethyl Benzene
Concen: 8.218 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

Tgt Ion: 91 Resp: 147695
Ion Ratio Lower Upper
91 100
106 30.5 25.6 38.4

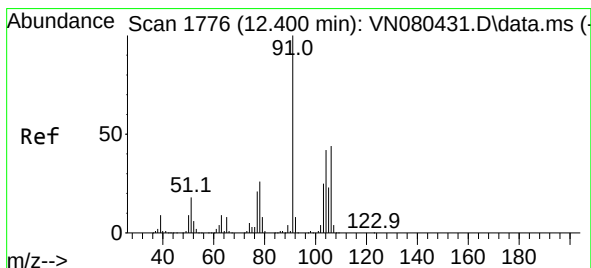
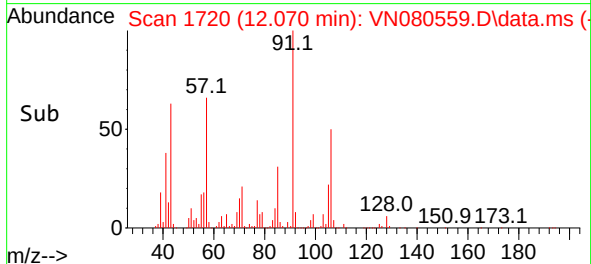
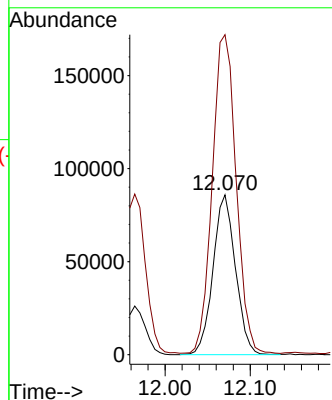
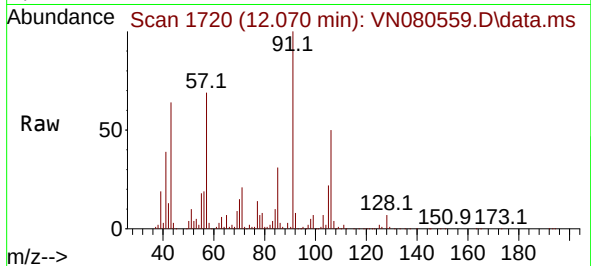




#68
m/p-Xylenes
Concen: 23.699 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

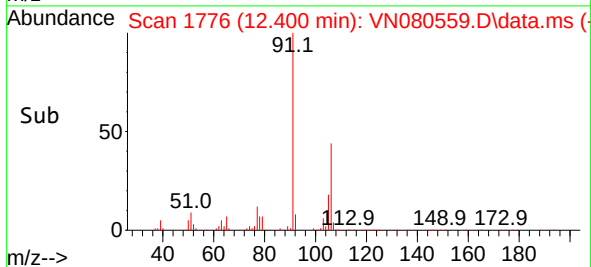
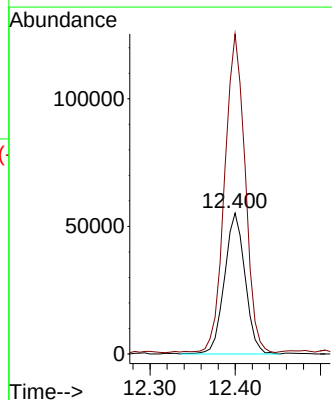
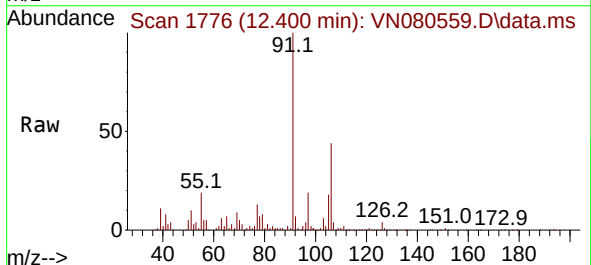
Instrument :
MSVOA_N
ClientSampleId :
1108

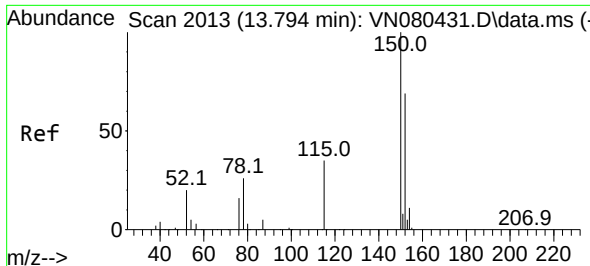
Tgt Ion:106 Resp: 157386
Ion Ratio Lower Upper
106 100
91 211.5 159.6 239.4



#69
o-Xylene
Concen: 14.263 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

Tgt Ion:106 Resp: 92648
Ion Ratio Lower Upper
106 100
91 224.4 105.2 315.5

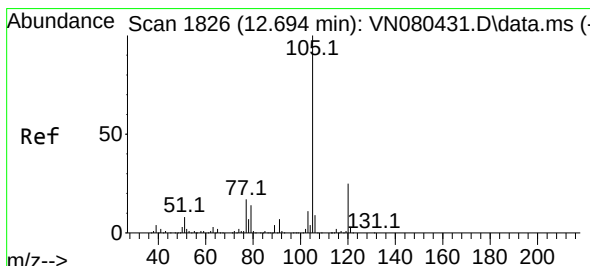
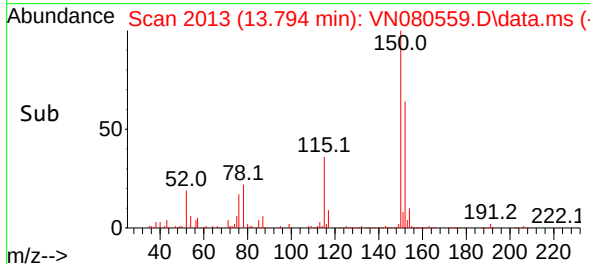
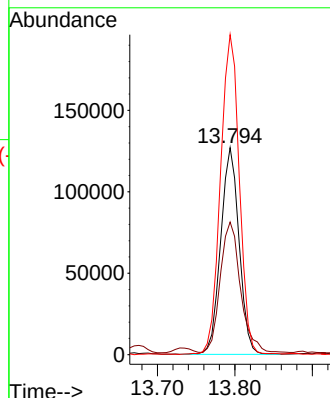
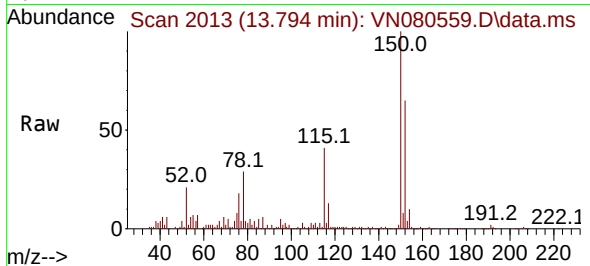




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080559.D
 Acq: 20 Dec 2023 20:04

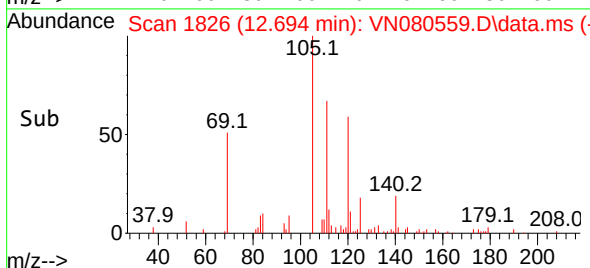
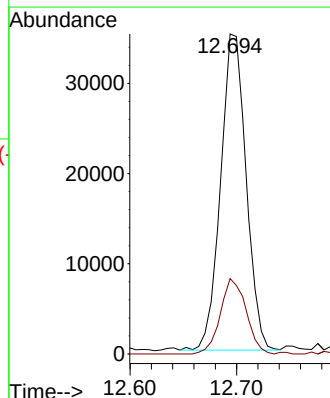
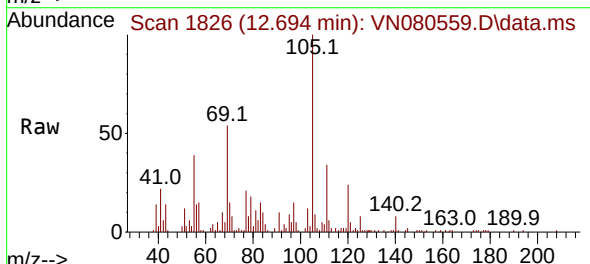
Instrument :
 MSVOA_N
 ClientSampleId :
 1108

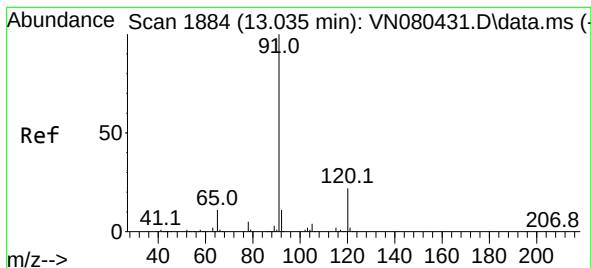
Tgt Ion:152 Resp: 208897
 Ion Ratio Lower Upper
 152 100
 115 69.9 32.3 96.8
 150 158.6 0.0 355.8



#73
 Isopropylbenzene
 Concen: 3.474 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. -0.000 min
 Lab File: VN080559.D
 Acq: 20 Dec 2023 20:04

Tgt Ion:105 Resp: 58306
 Ion Ratio Lower Upper
 105 100
 120 24.0 13.1 39.1





#78

n-propylbenzene

Concen: 10.076 ug/l

RT: 13.035 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VN080559.D

Acq: 20 Dec 2023 20:04

Instrument :

MSVOA_N

ClientSampleId :

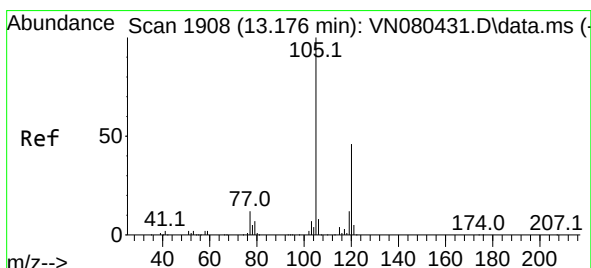
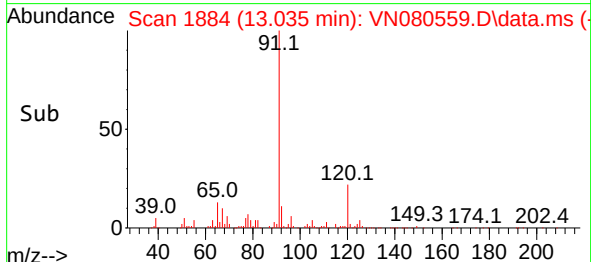
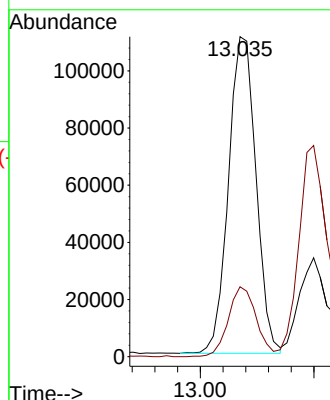
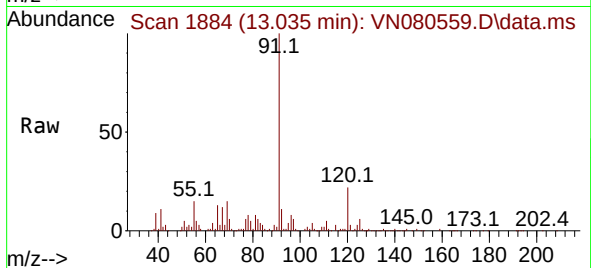
1108

Tgt Ion: 91 Resp: 186429

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 12.488 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN080559.D

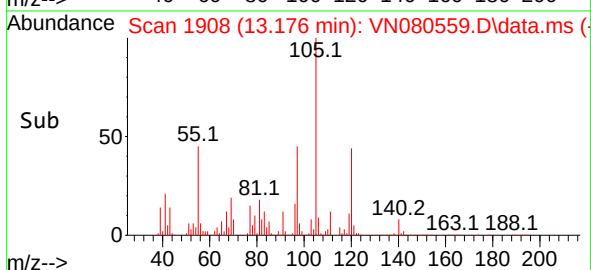
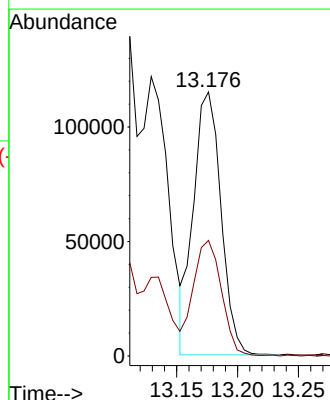
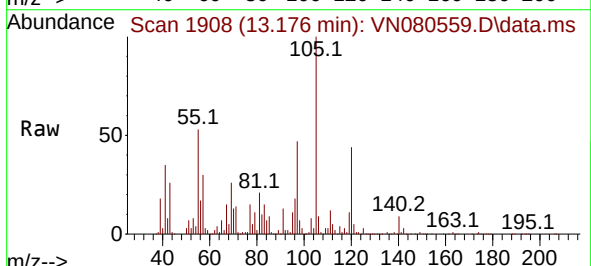
Acq: 20 Dec 2023 20:04

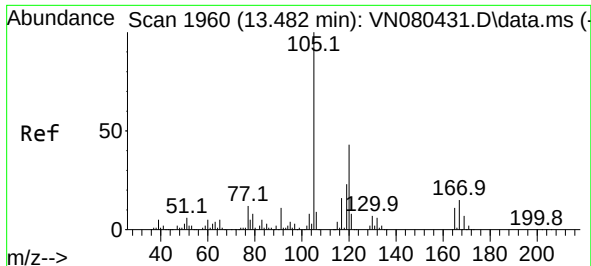
Tgt Ion: 105 Resp: 180491

Ion Ratio Lower Upper

105 100

120 45.2 24.1 72.3

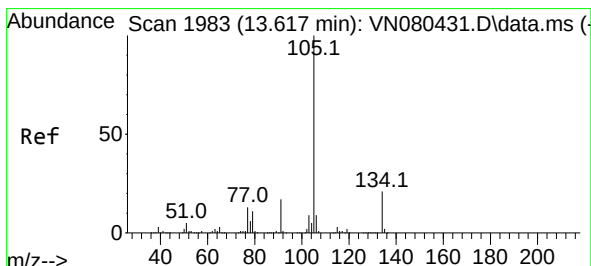
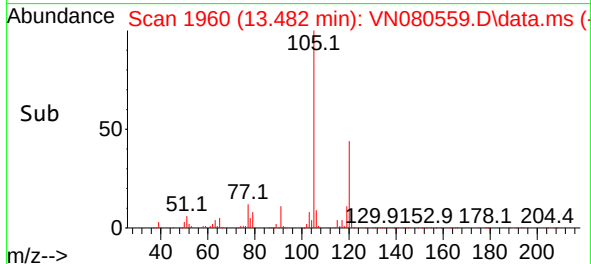
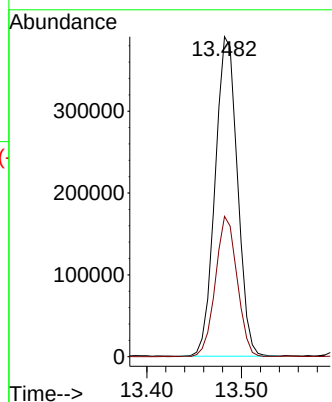
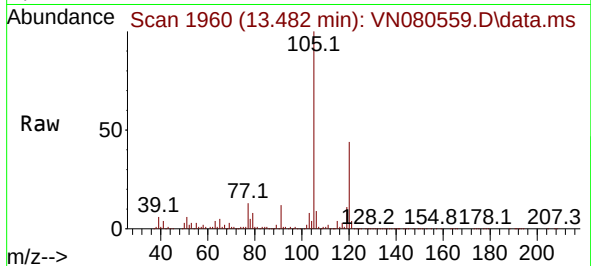




#84
1,2,4-Trimethylbenzene
Concen: 44.490 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

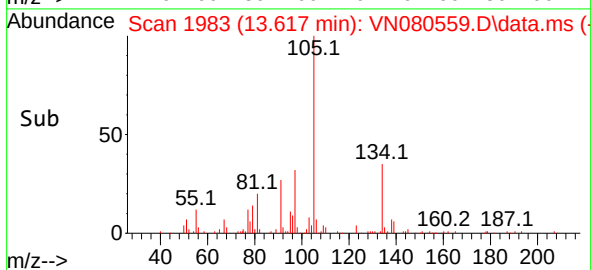
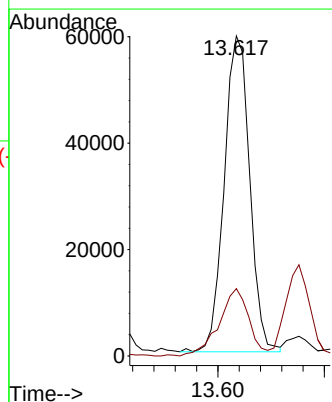
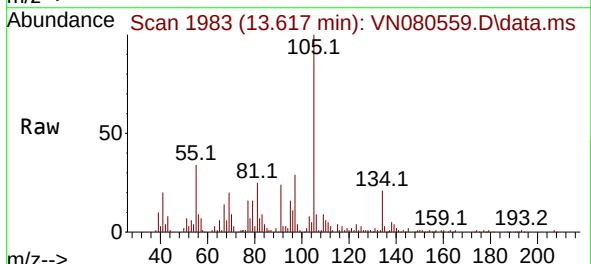
Instrument :
MSVOA_N
ClientSampleId :
1108

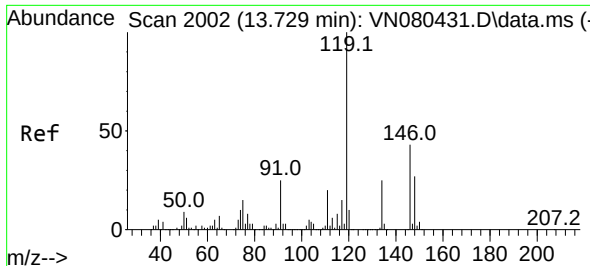
Tgt Ion:105 Resp: 639674
Ion Ratio Lower Upper
105 100
120 42.9 22.0 66.0



#85
sec-Butylbenzene
Concen: 6.505 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

Tgt Ion:105 Resp: 98498
Ion Ratio Lower Upper
105 100
134 25.0 9.8 29.3

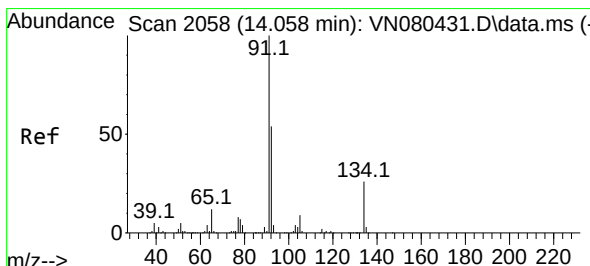
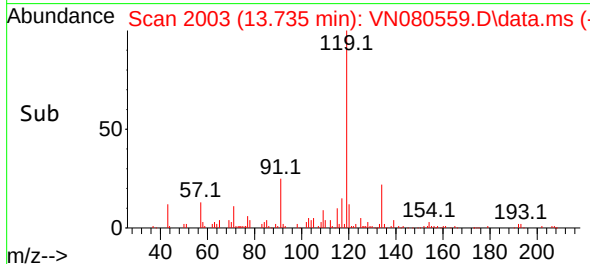
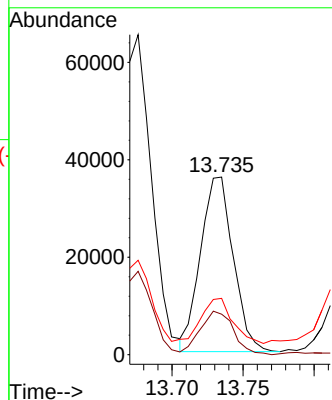
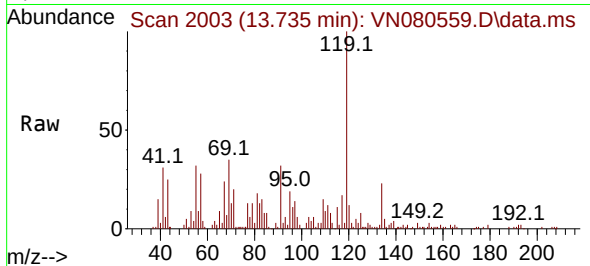




#86
p-Isopropyltoluene
Concen: 4.212 ug/l
RT: 13.735 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

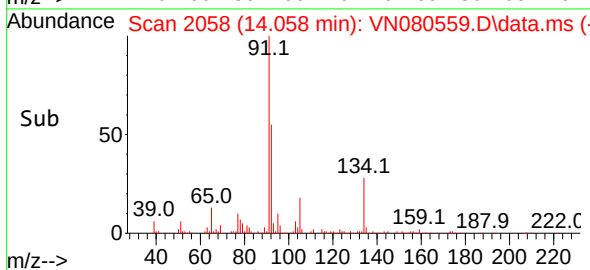
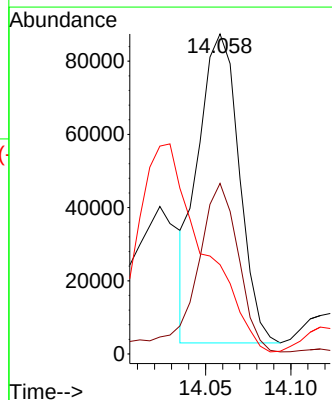
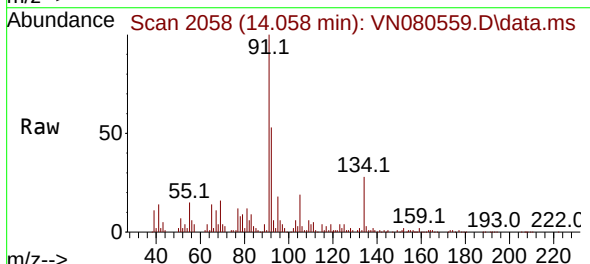
Instrument :
MSVOA_N
ClientSampleId :
1108

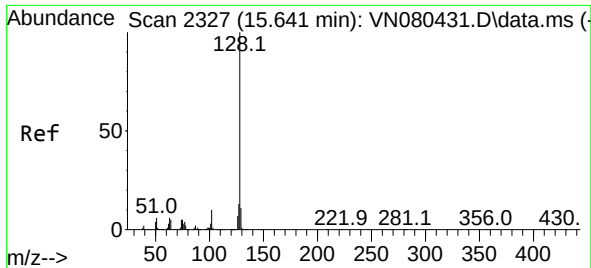
Tgt Ion:119 Resp: 57582
Ion Ratio Lower Upper
119 100
134 25.4 12.6 37.8
91 24.5 12.4 37.2



#89
n-Butylbenzene
Concen: 12.415 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080559.D
Acq: 20 Dec 2023 20:04

Tgt Ion: 91 Resp: 141743
Ion Ratio Lower Upper
91 100
92 54.1 26.4 79.0
134 0.0 12.6 37.6#





#95
 Naphthalene
 Concen: 4.740 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN080559.D
 Acq: 20 Dec 2023 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 1108

Tgt Ion:128 Resp: 55200
 Ion Ratio Lower Upper
 128 100
 127 10.6 10.0 15.0
 129 11.2 8.7 13.1

