

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080474.D
 Acq On : 13 Dec 2023 20:01
 Operator : JC\MD
 Sample : 05791-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 597-K-O

Quant Time: Dec 14 04:12:53 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)

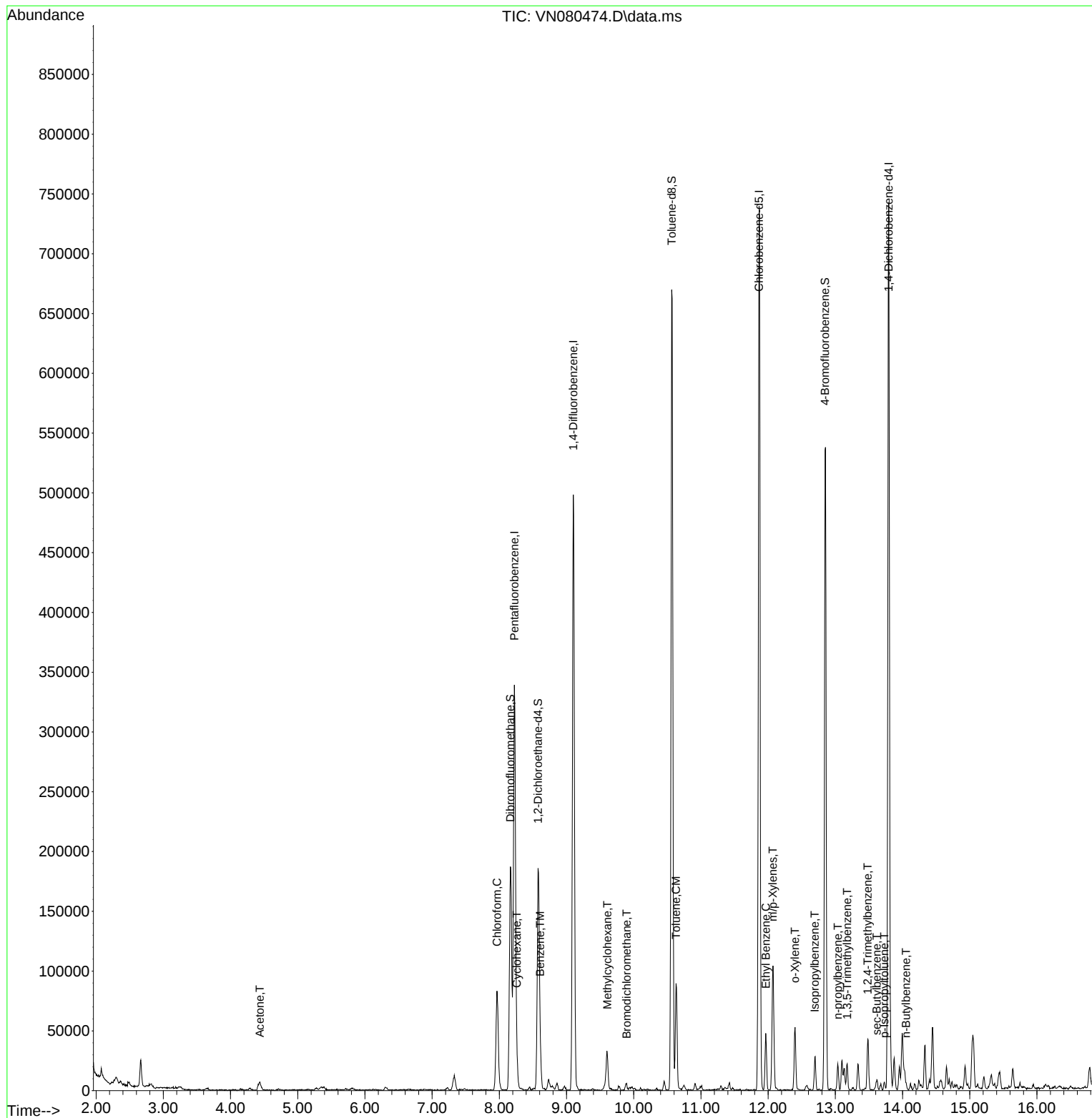
Internal Standards						
1) Pentafluorobenzene	8.224	168	230728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	425300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	434333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160447	54.446	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.900%
35) Dibromofluoromethane	8.165	113	132902	49.286	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	10.565	98	476937	47.424	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.840%
62) 4-Bromofluorobenzene	12.847	95	189697	49.674	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.340%
Target Compounds						
						Qvalue
16) Acetone	4.436	43	13048	24.971	ug/l	98
30) Chloroform	7.965	83	81456	15.880	ug/l	95
31) Cyclohexane	8.259	56	15863	3.958	ug/l #	95
39) Methylcyclohexane	9.606	83	14472	3.160	ug/l	92
40) Benzene	8.606	78	25187	1.978	ug/l	92
47) Bromodichloromethane	9.894	83	4137	0.899	ug/l	90
52) Toluene	10.630	92	38043	4.730	ug/l	97
67) Ethyl Benzene	11.965	91	29332	1.651	ug/l	89
68) m/p-Xylenes	12.071	106	33871	5.159	ug/l	90
69) o-Xylene	12.400	106	13633	2.123	ug/l	84
73) Isopropylbenzene	12.694	105	17706	1.093	ug/l	98
78) n-propylbenzene	13.035	91	16921	0.948	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	11461	0.822	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	25248	1.820	ug/l	99
85) sec-Butylbenzene	13.618	105	3908	0.267	ug/l #	67
86) p-Isopropyltoluene	13.729	119	4353	0.330	ug/l	91
89) n-Butylbenzene	14.053	91	2412	0.219	ug/l #	73

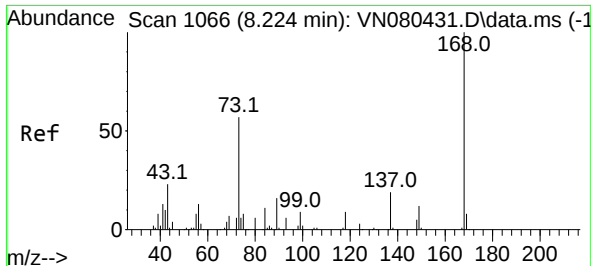
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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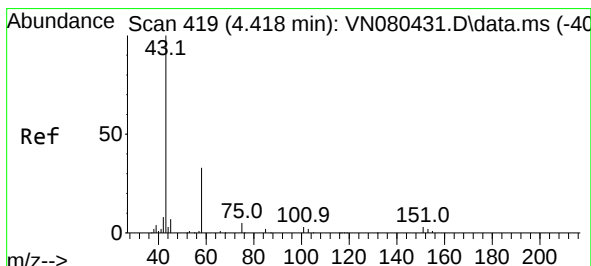
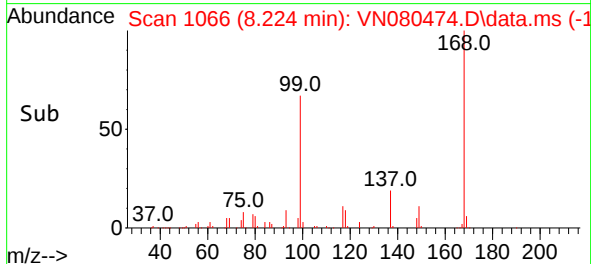
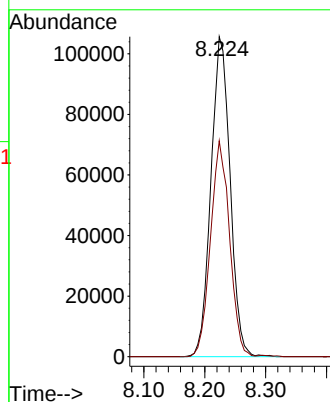
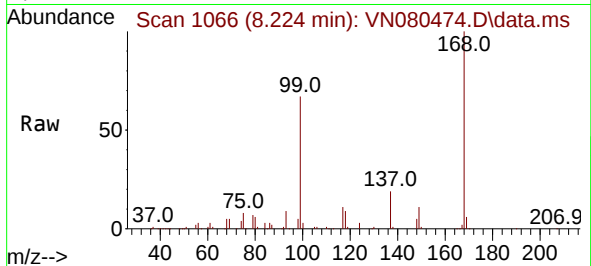




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

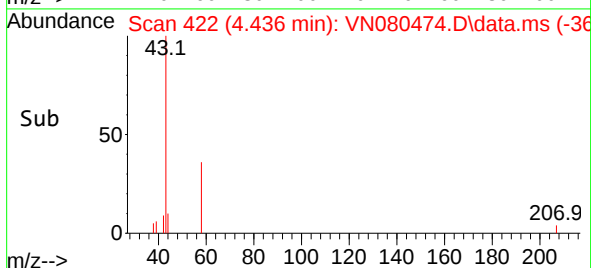
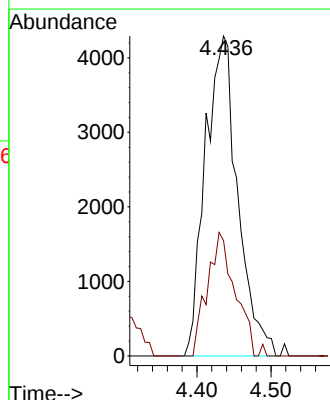
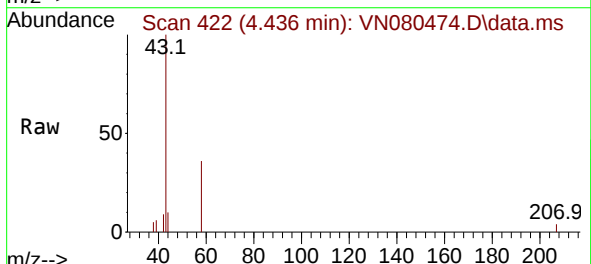
Instrument :
MSVOA_N
ClientSampleId :
597-K-O

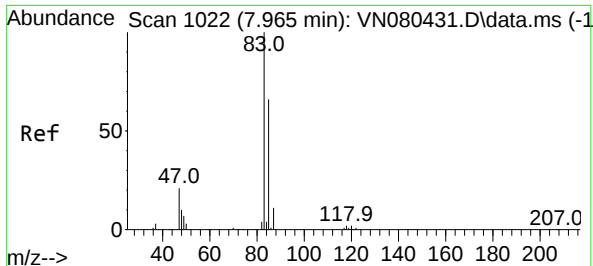
Tgt Ion:168 Resp: 230728
Ion Ratio Lower Upper
168 100
99 67.4 53.0 79.6



#16
Acetone
Concen: 24.971 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

Tgt Ion: 43 Resp: 13048
Ion Ratio Lower Upper
43 100
58 36.1 28.0 42.0

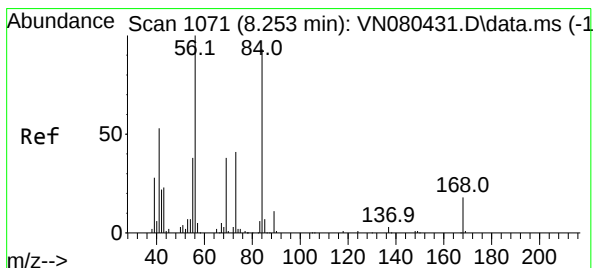
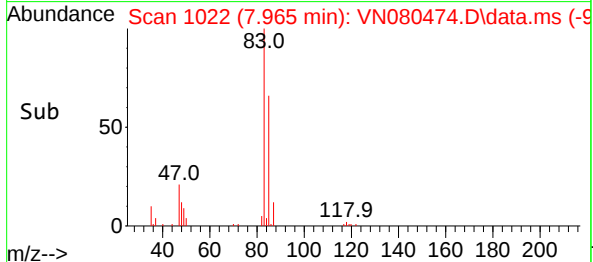
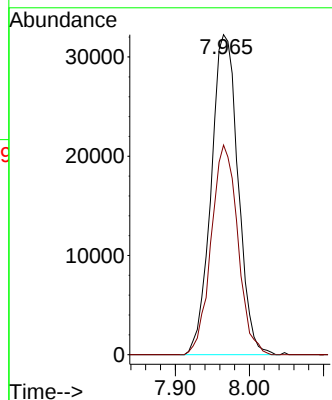
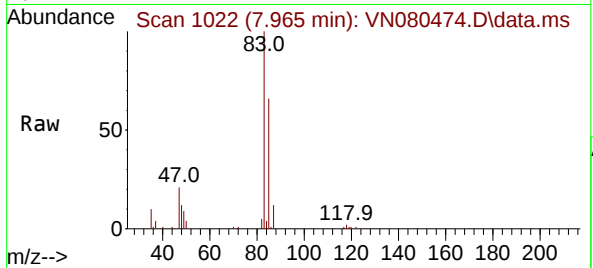




#30
Chloroform
Concen: 15.880 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

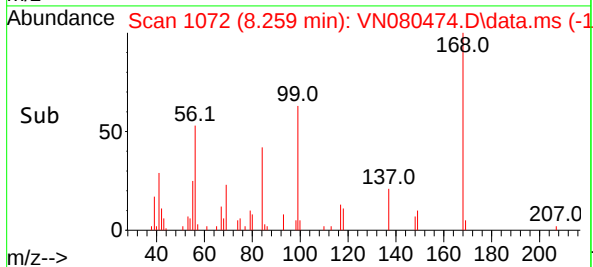
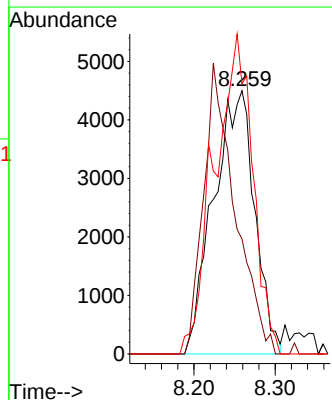
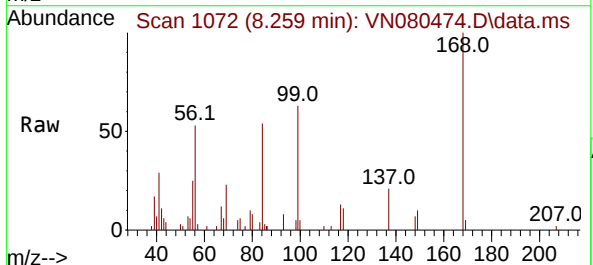
Instrument :
MSVOA_N
ClientSampleId :
597-K-O

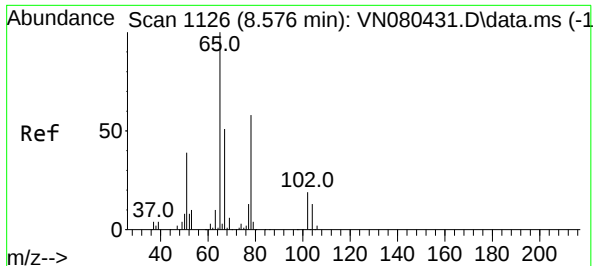
Tgt Ion: 83 Resp: 81456
Ion Ratio Lower Upper
83 100
85 65.5 55.4 83.0



#31
Cyclohexane
Concen: 3.958 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

Tgt Ion: 56 Resp: 15863
Ion Ratio Lower Upper
56 100
69 43.7 26.8 40.2#
84 102.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.446 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080474.D

Acq: 13 Dec 2023 20:01

Instrument :

MSVOA_N

ClientSampleId :

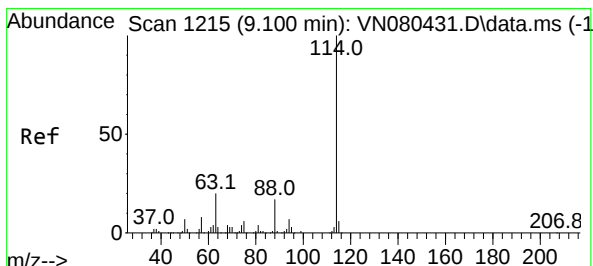
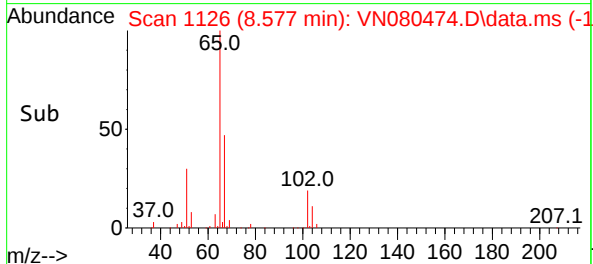
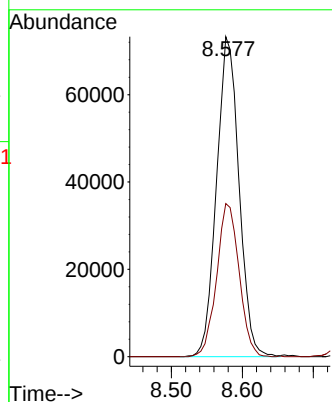
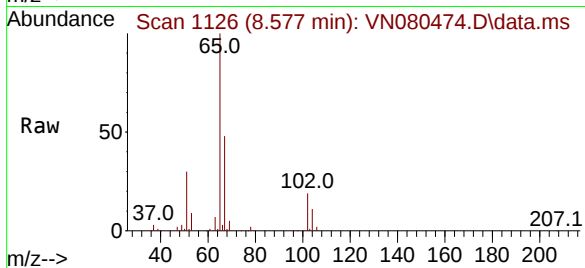
597-K-O

Tgt Ion: 65 Resp: 160447

Ion Ratio Lower Upper

65 100

67 47.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080474.D

Acq: 13 Dec 2023 20:01

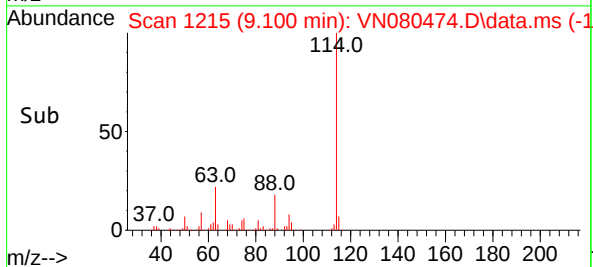
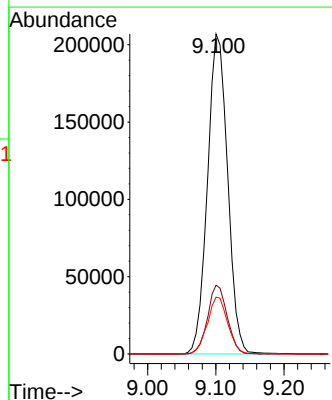
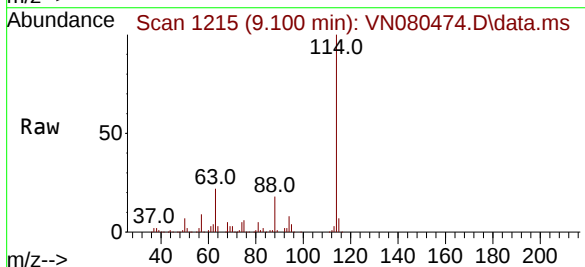
Tgt Ion: 114 Resp: 425300

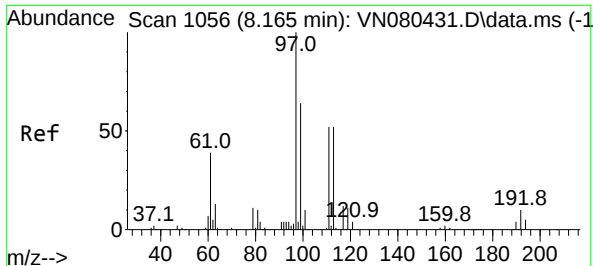
Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 17.7 0.0 30.6

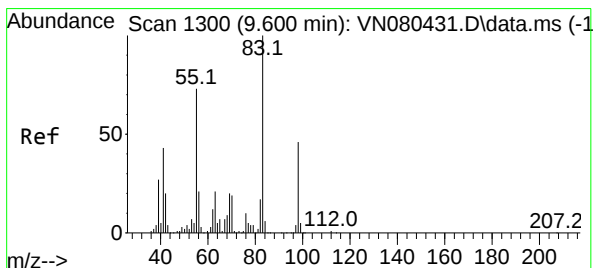
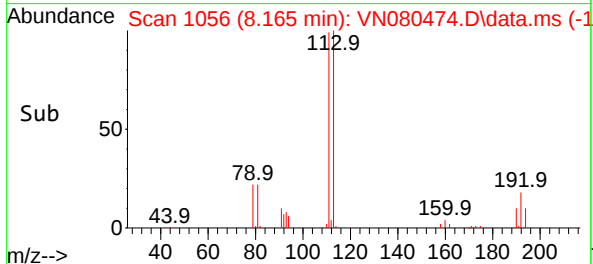
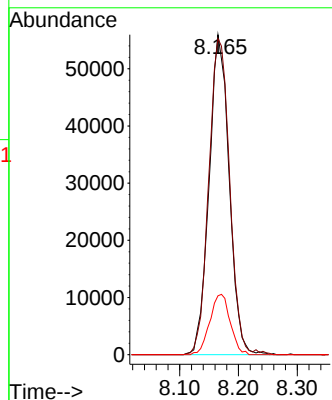
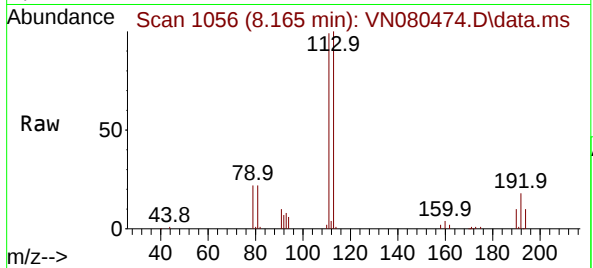




#35
Dibromofluoromethane
Concen: 49.286 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

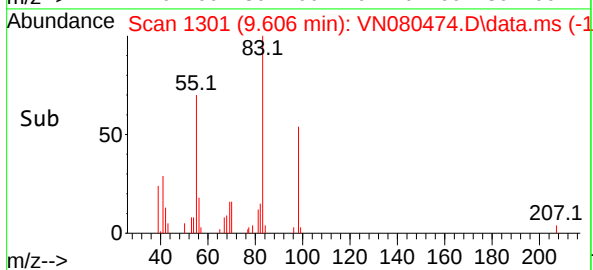
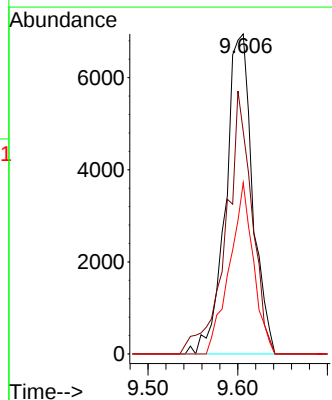
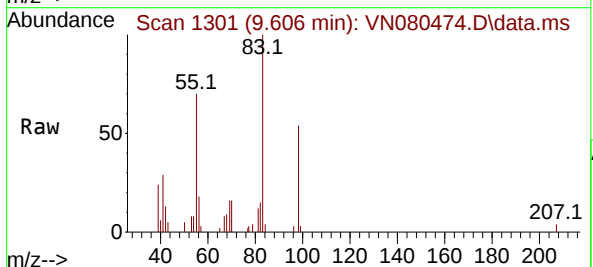
Instrument :
MSVOA_N
ClientSampleId :
597-K-O

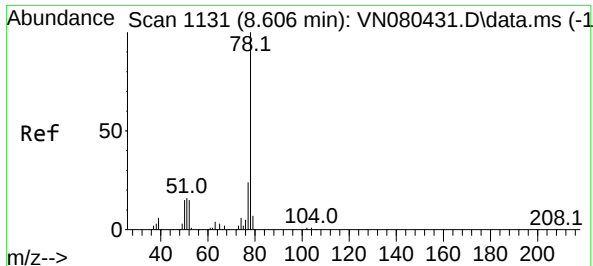
Tgt Ion:113 Resp: 132902
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 19.1 12.7 19.1



#39
Methylcyclohexane
Concen: 3.160 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

Tgt Ion: 83 Resp: 14472
Ion Ratio Lower Upper
83 100
55 69.5 49.1 73.7
98 53.5 40.6 61.0

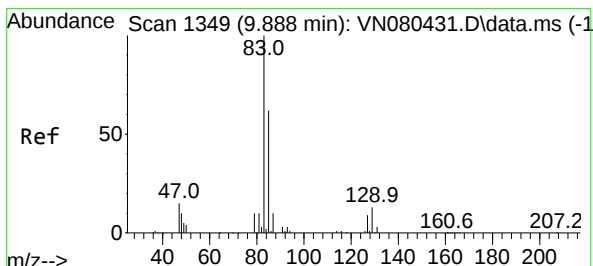
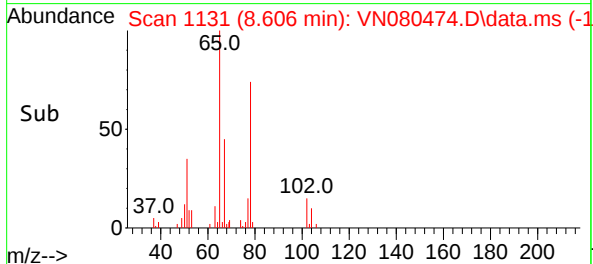
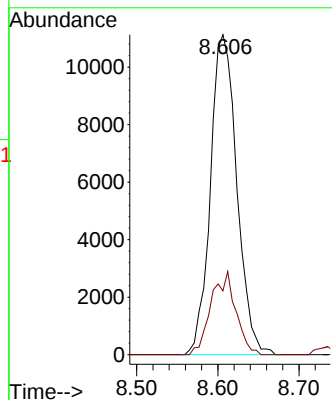
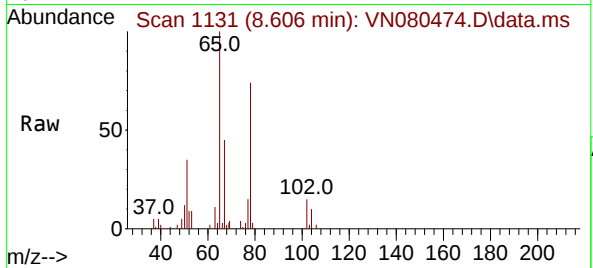




#40
Benzene
Concen: 1.978 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

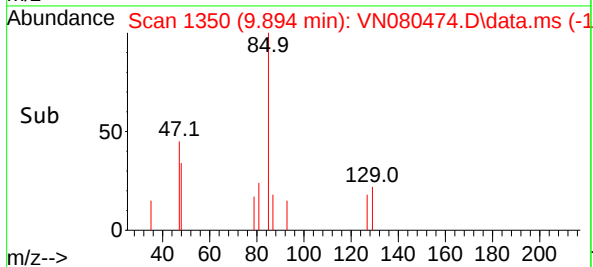
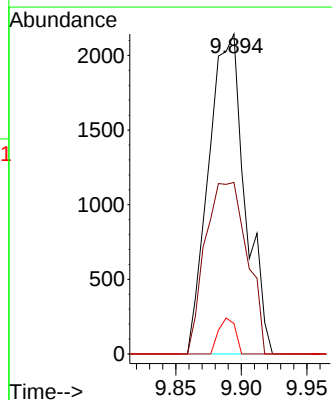
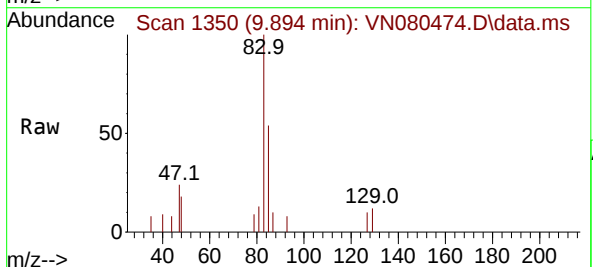
Instrument :
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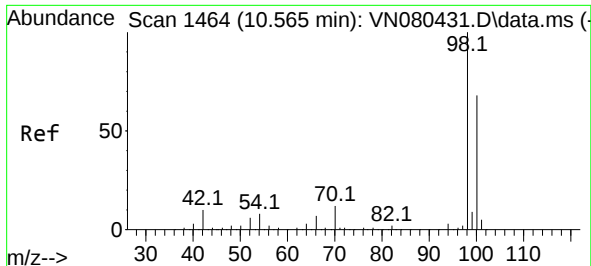
Tgt Ion: 78 Resp: 25187
Ion Ratio Lower Upper
78 100
77 20.0 19.0 28.6



#47
Bromodichloromethane
Concen: 0.899 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

Tgt Ion: 83 Resp: 4137
Ion Ratio Lower Upper
83 100
85 53.6 49.6 74.4
127 9.5 7.0 10.6

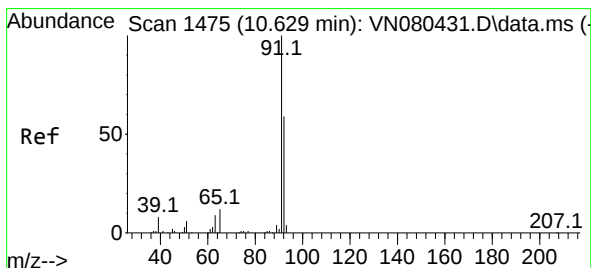
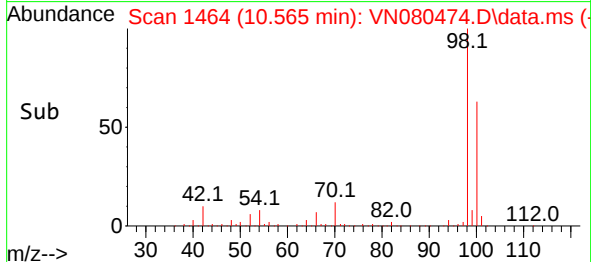
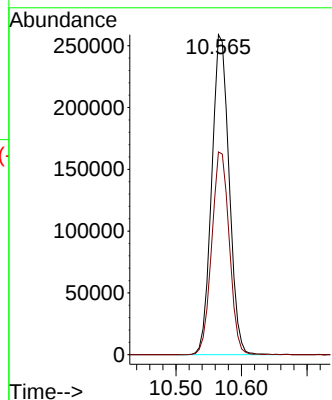
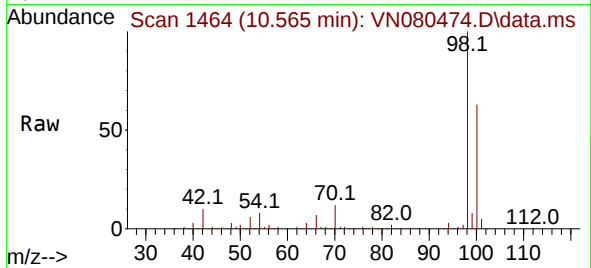




#50
Toluene-d8
Concen: 47.424 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

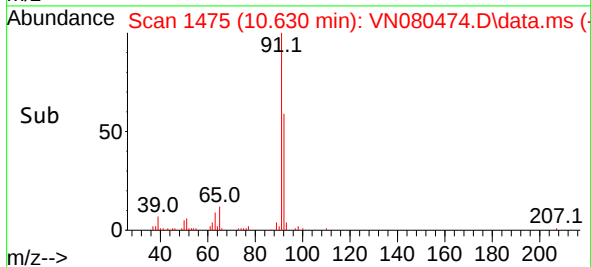
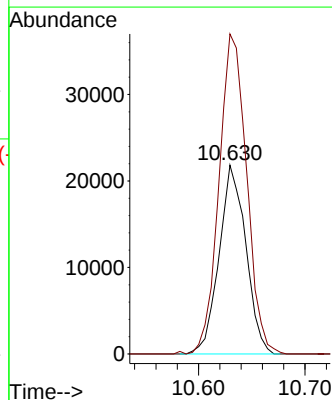
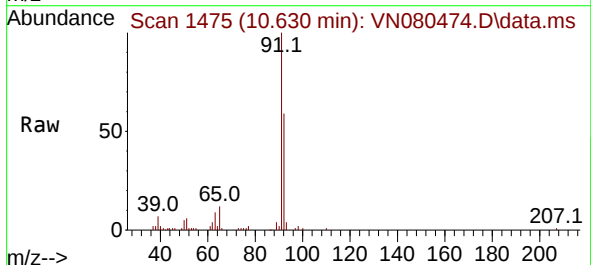
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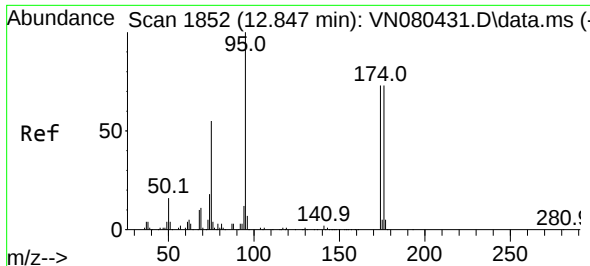
Tgt Ion: 98 Resp: 476937
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#52
Toluene
Concen: 4.730 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

Tgt Ion: 92 Resp: 38043
Ion Ratio Lower Upper
92 100
91 175.2 137.4 206.0

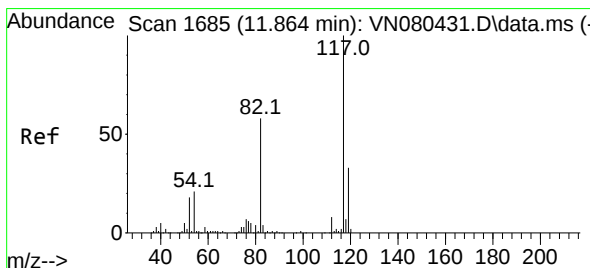
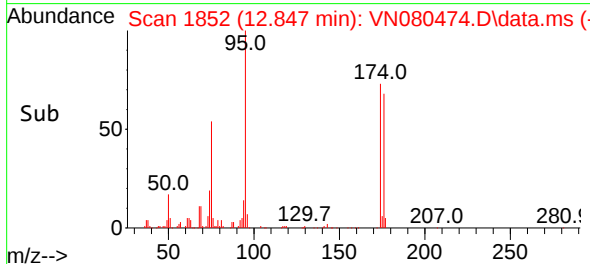
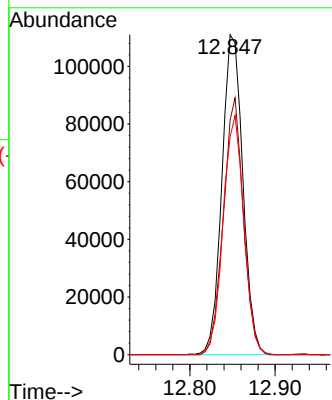
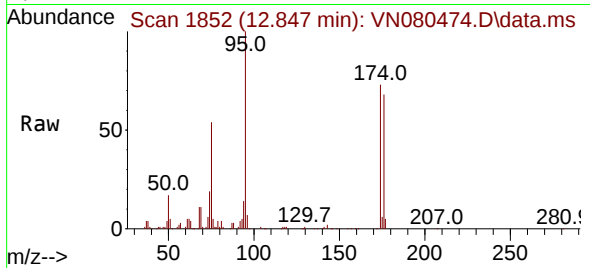




#62
4-Bromofluorobenzene
Concen: 49.674 ug/l
RT: 12.847 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

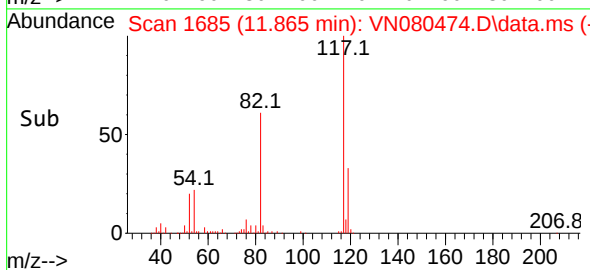
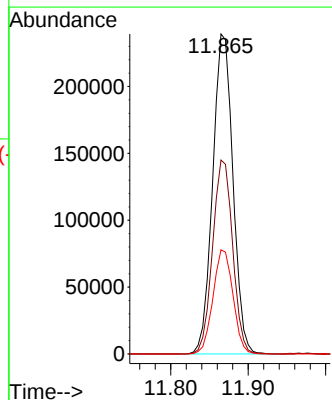
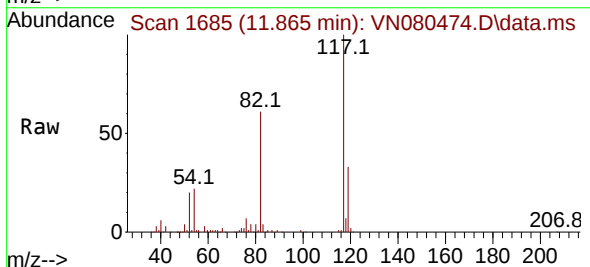
Instrument :
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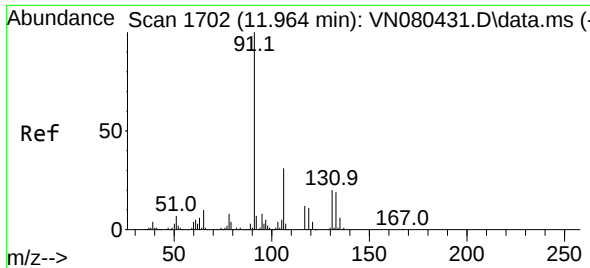
Tgt Ion: 95 Resp: 189697
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 74.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

Tgt Ion: 117 Resp: 434333
Ion Ratio Lower Upper
117 100
82 60.6 44.0 66.0
119 32.5 25.6 38.4

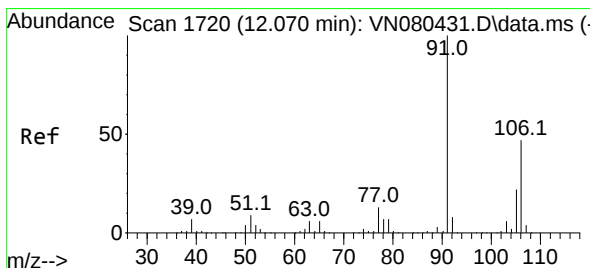
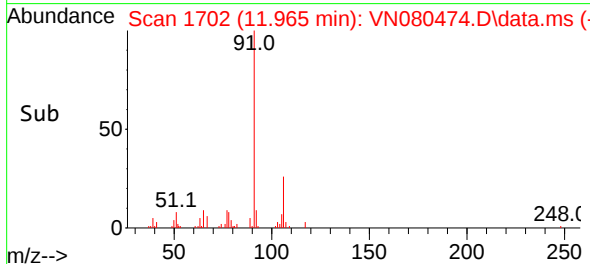
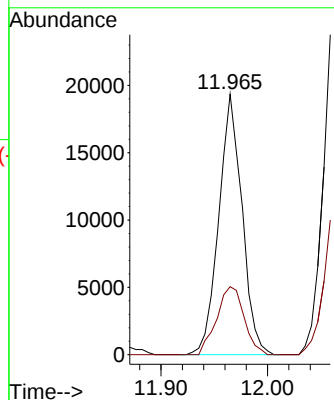
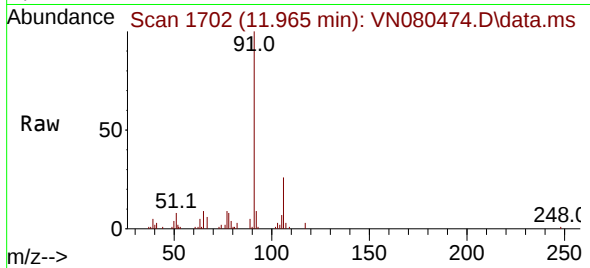




#67
Ethyl Benzene
Concen: 1.651 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

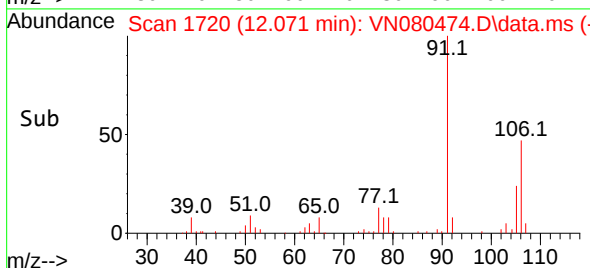
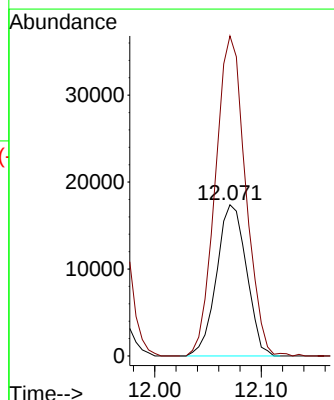
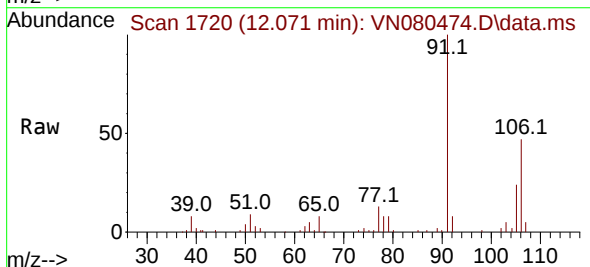
Instrument :
MSVOA_N
ClientSampleId :
597-K-O

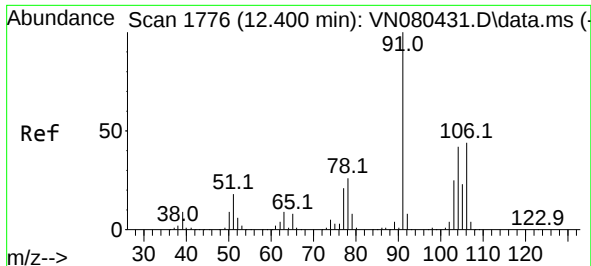
Tgt Ion: 91 Resp: 29332
Ion Ratio Lower Upper
91 100
106 26.1 25.6 38.4



#68
m/p-Xylenes
Concen: 5.159 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

Tgt Ion:106 Resp: 33871
Ion Ratio Lower Upper
106 100
91 214.0 159.6 239.4

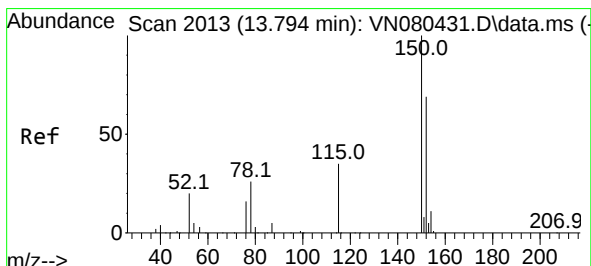
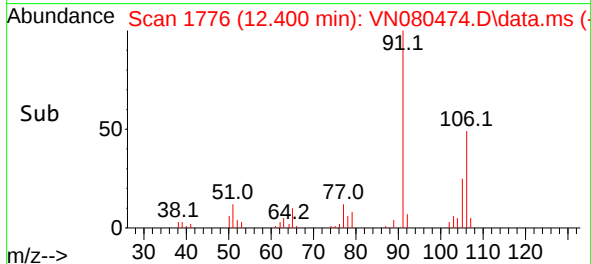
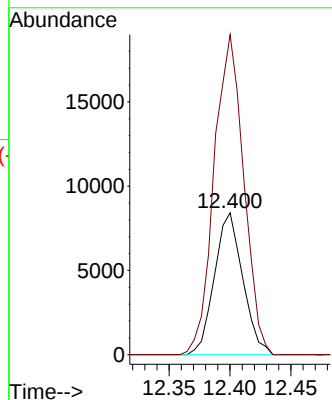
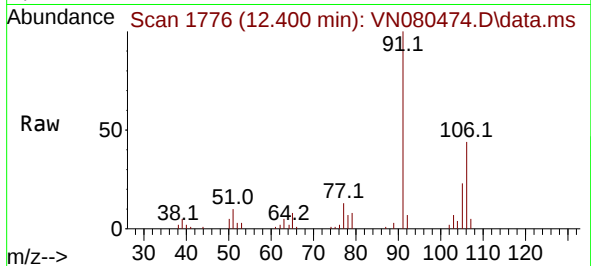




#69
o-Xylene
Concen: 2.123 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

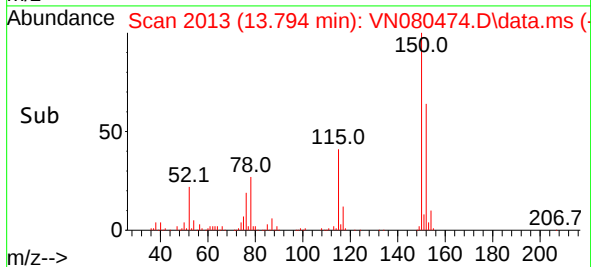
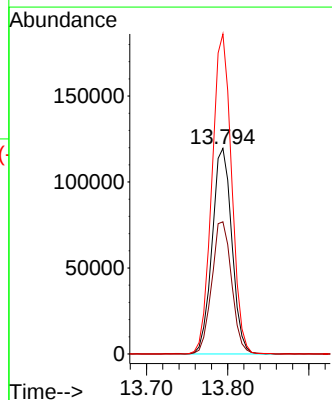
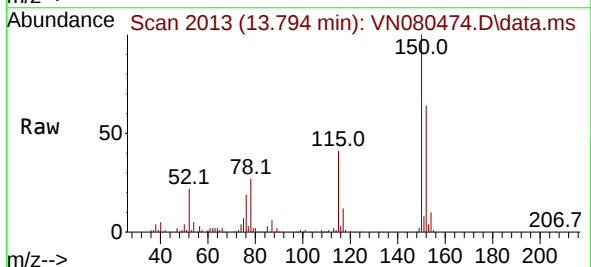
Instrument :
MSVOA_N
ClientSampleId :
597-K-O

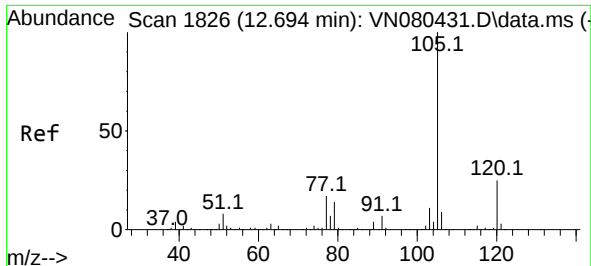
Tgt Ion:106 Resp: 13633
Ion Ratio Lower Upper
106 100
91 235.9 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

Tgt Ion:152 Resp: 201597
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 154.8 0.0 355.8

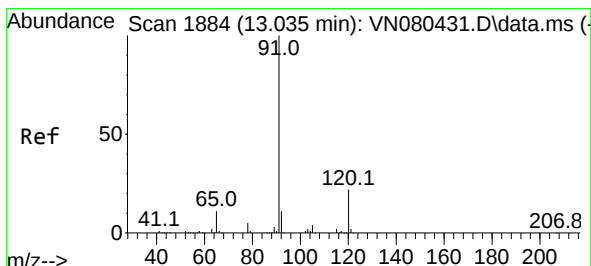
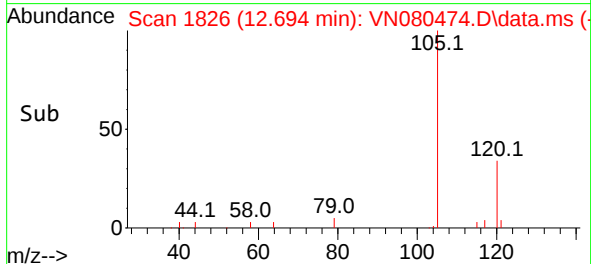
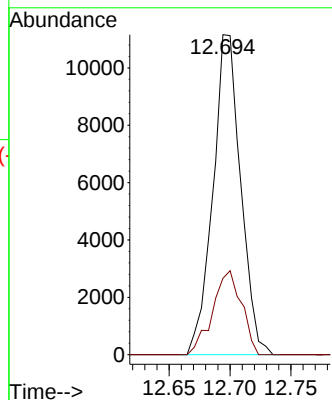
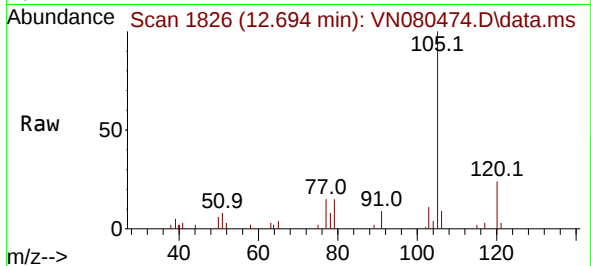




#73
Isopropylbenzene
Concen: 1.093 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

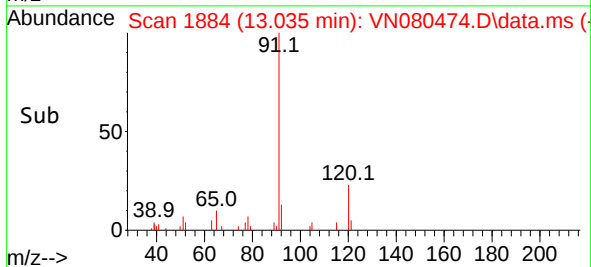
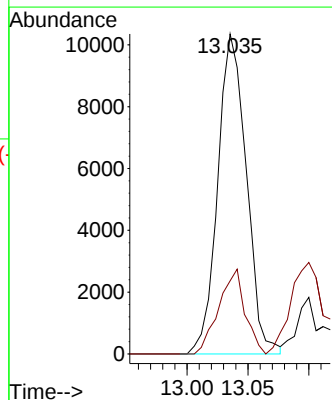
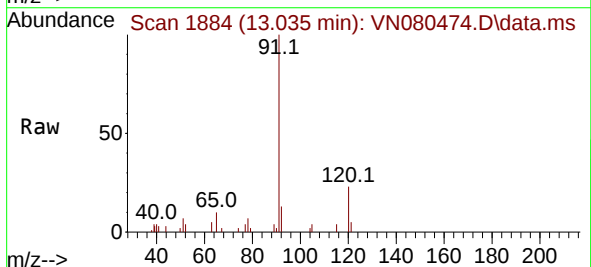
Instrument :
MSVOA_N
ClientSampleId :
597-K-O

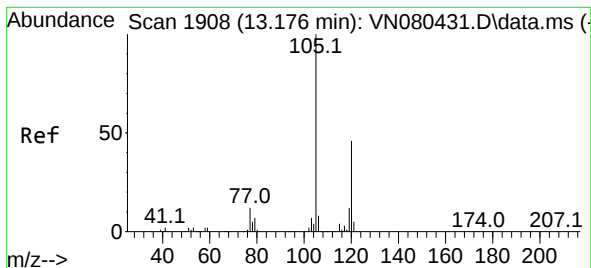
Tgt Ion:105 Resp: 17706
Ion Ratio Lower Upper
105 100
120 27.3 13.1 39.1



#78
n-propylbenzene
Concen: 0.948 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080474.D
Acq: 13 Dec 2023 20:01

Tgt Ion: 91 Resp: 16921
Ion Ratio Lower Upper
91 100
120 24.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.822 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080474.D

Acq: 13 Dec 2023 20:01

Instrument :

MSVOA_N

ClientSampleId :

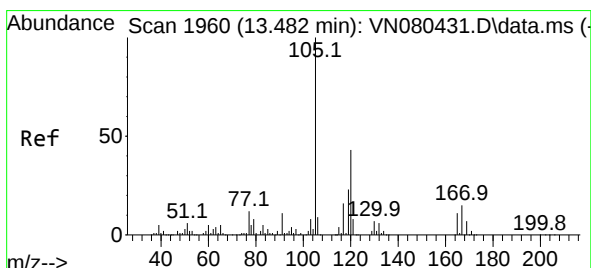
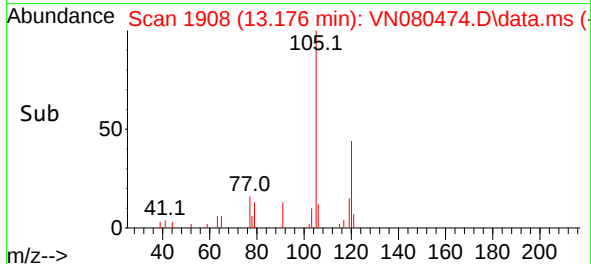
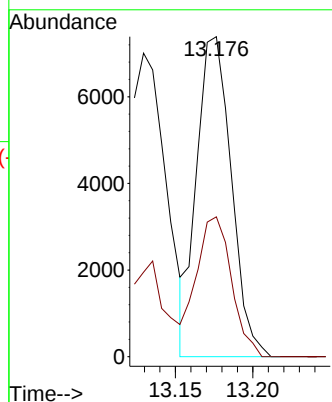
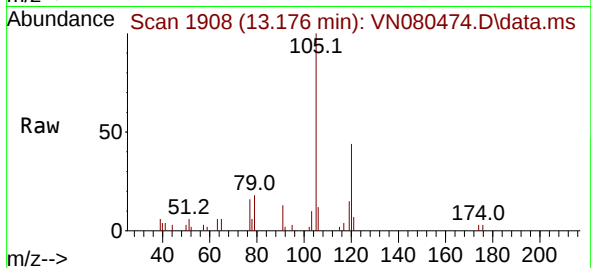
597-K-O

Tgt Ion:105 Resp: 11461

Ion Ratio Lower Upper

105 100

120 44.5 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 1.820 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080474.D

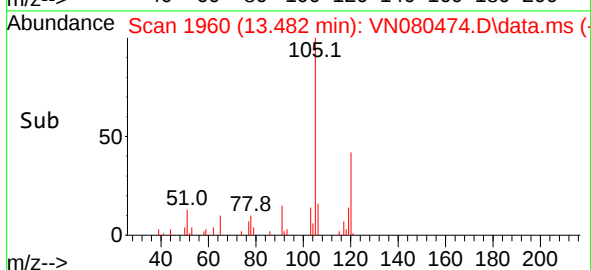
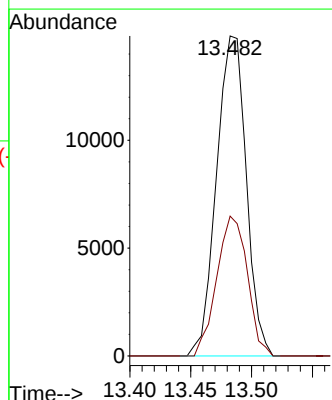
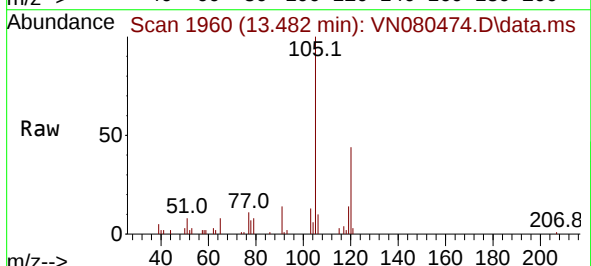
Acq: 13 Dec 2023 20:01

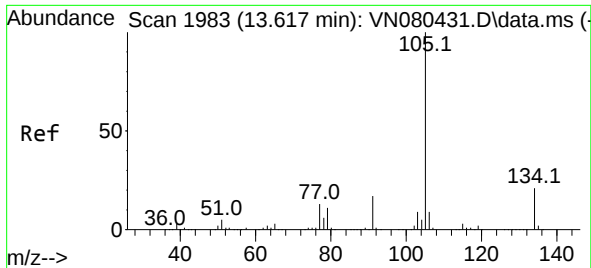
Tgt Ion:105 Resp: 25248

Ion Ratio Lower Upper

105 100

120 44.9 22.0 66.0

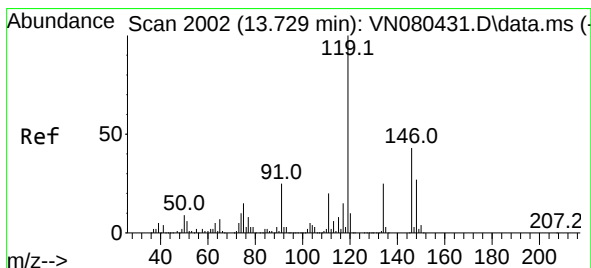
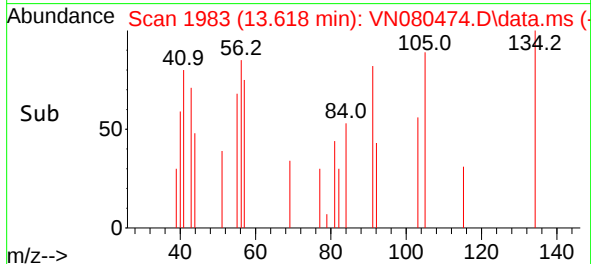
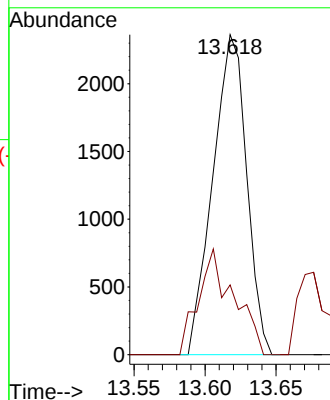
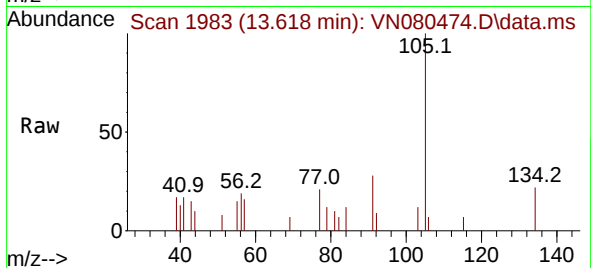




#85
 sec-Butylbenzene
 Concen: 0.267 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080474.D
 Acq: 13 Dec 2023 20:01

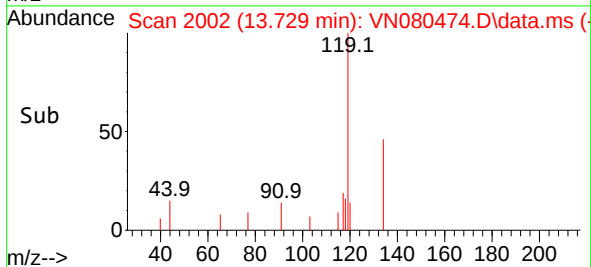
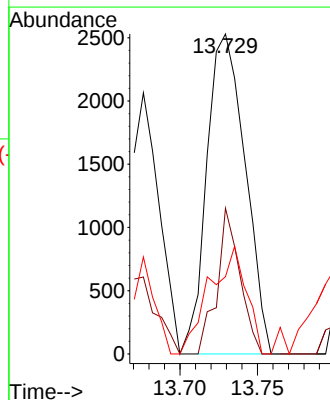
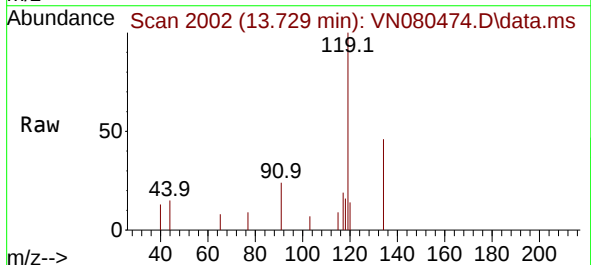
Instrument :
 MSVOA_N
 ClientSampleId :
 597-K-O

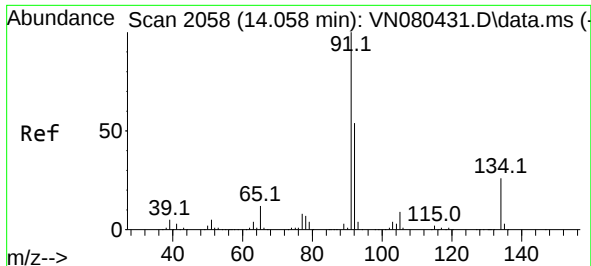
Tgt Ion:105 Resp: 3908
 Ion Ratio Lower Upper
 105 100
 134 34.6 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 0.330 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080474.D
 Acq: 13 Dec 2023 20:01

Tgt Ion:119 Resp: 4353
 Ion Ratio Lower Upper
 119 100
 134 27.1 12.6 37.8
 91 31.9 12.4 37.2





#89

n-Butylbenzene

Concen: 0.219 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VN080474.D

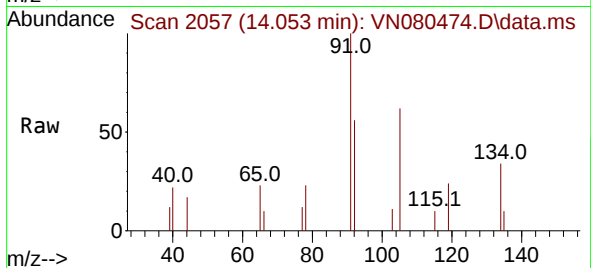
Acq: 13 Dec 2023 20:01

Instrument :

MSVOA_N

ClientSampleId :

597-K-O



Tgt Ion: 91 Resp: 2412

Ion Ratio Lower Upper

91 100

92 63.8 26.4 79.0

134 0.0 12.6 37.6#

