

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078378.D
 Acq On : 23 Jun 2023 15:15
 Operator : JC\MD
 Sample : 03379-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230621028-02-VOA

Quant Time: Jun 24 01:21:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:59:50 2023
 Response via : Initial Calibration

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

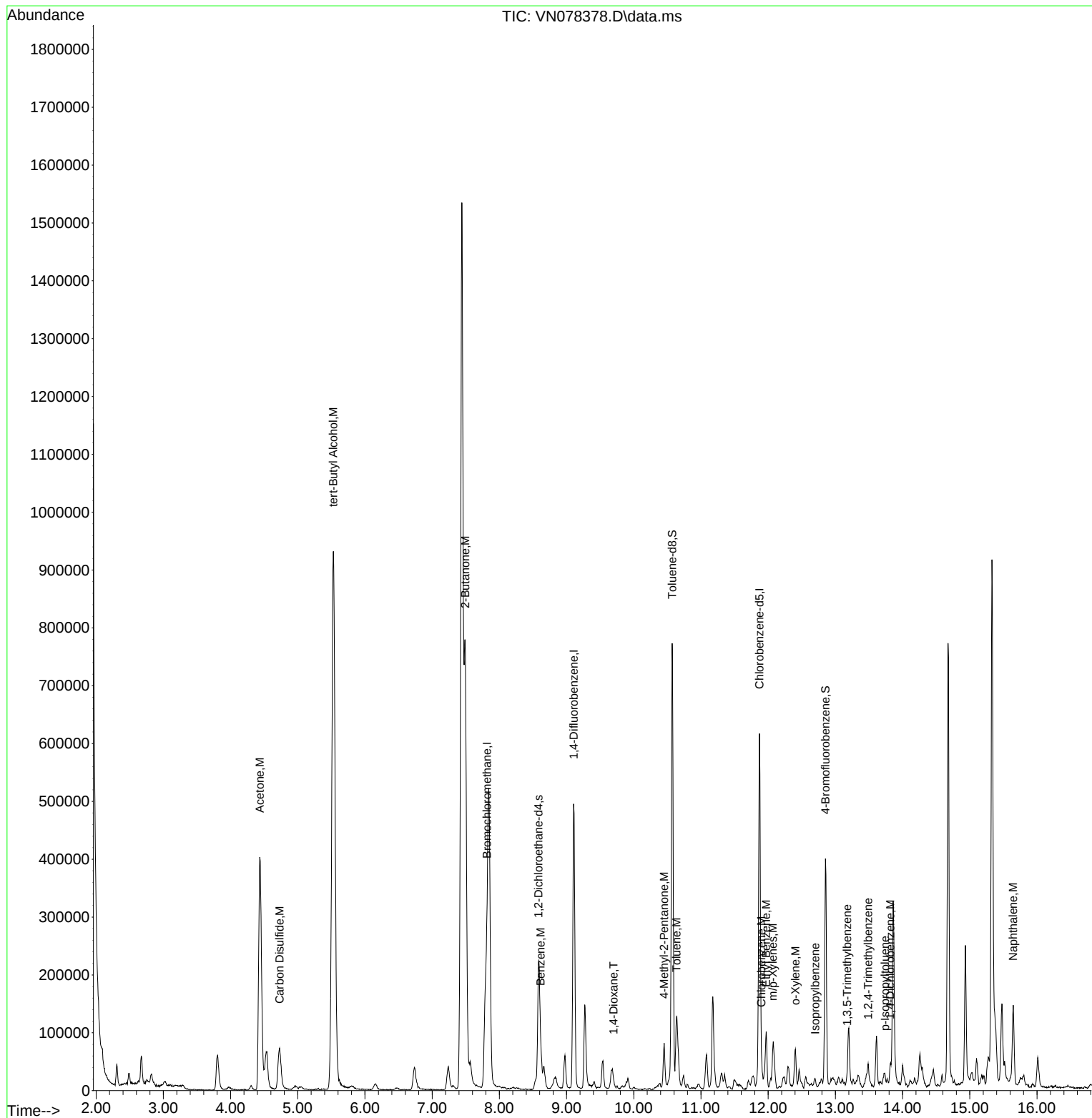
Internal Standards						
1) Bromochloromethane	7.818	128	80595	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	440879	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	370853	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	173286	28.552	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.167%
60) 4-Bromofluorobenzene	12.853	95	140608	26.911	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.700%
63) Toluene-d8	10.571	98	536370	29.850	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.500%
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	247289	454.245	ug/l	88
16) Carbon Disulfide	4.730	76	23525	1.895	ug/l #	94
23) tert-Butyl Alcohol	5.530	59	1730816	2426.954	ug/l #	100
30) 2-Butanone	7.494	43	1192941	497.983	ug/l	99
34) Benzene	8.612	78	37594	1.845	ug/l #	57
45) 1,4-Dioxane	9.700	88	5439	67.673	ug/l #	55
58) 4-Methyl-2-Pentanone	10.453	43	48936	9.881	ug/l	99
62) Toluene	10.635	91	84918	3.934	ug/l	99
64) Chlorobenzene	11.900	112	7900	0.618	ug/l	94
66) Ethyl Benzene	11.970	91	61671	2.808	ug/l	98
67) m/p-Xylenes	12.070	106	25006	3.011	ug/l	97
68) o-Xylene	12.406	106	17522	2.176	ug/l	100
70) Isopropylbenzene	12.700	105	5992	0.303	ug/l #	73
76) 1,3,5-Trimethylbenzene	13.176	105	5471	0.333	ug/l	81
80) 1,2,4-Trimethylbenzene	13.488	105	18301	1.180	ug/l	70
82) p-Isopropyltoluene	13.741	119	10589	0.782	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	8603	1.187	ug/l	92
91) Naphthalene	15.647	128	102887	13.855	ug/l	99

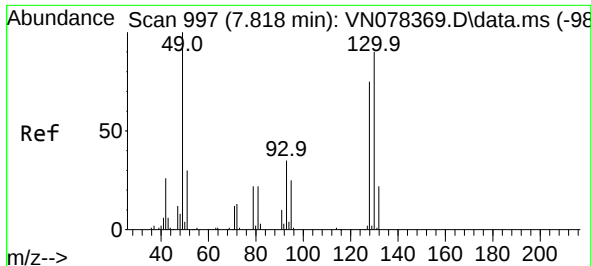
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

Quant Time: Jun 24 01:21:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 24 00:59:50 2023
Response via : Initial Calibration

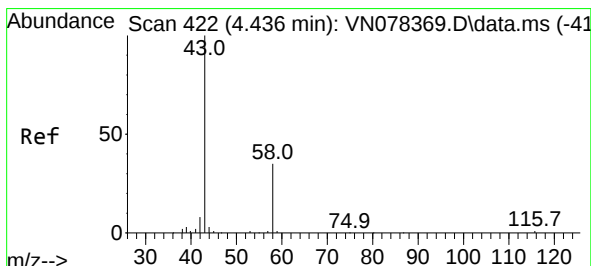
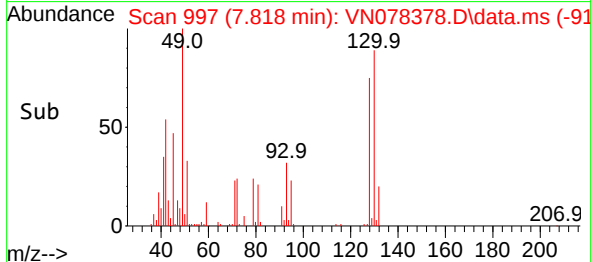
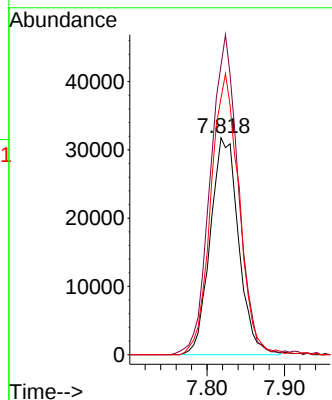
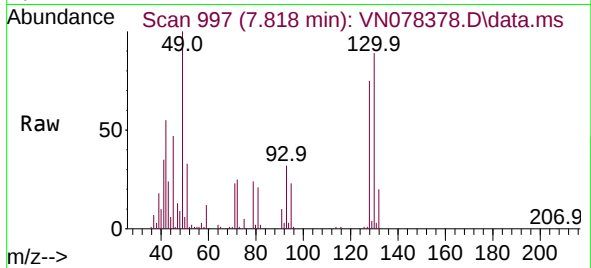




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

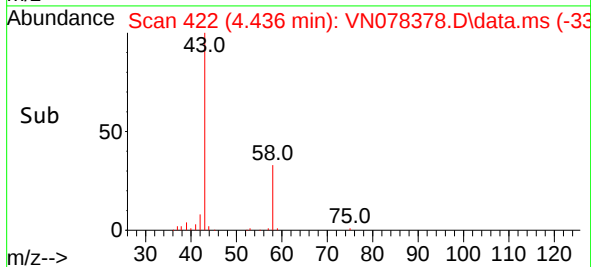
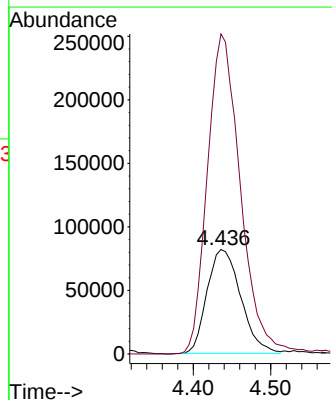
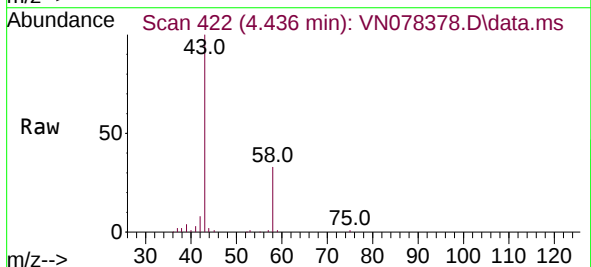
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

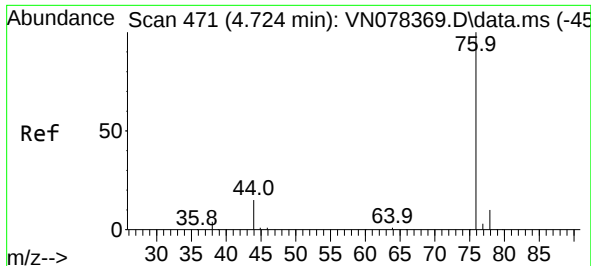
Tgt Ion:128 Resp: 80595
Ion Ratio Lower Upper
128 100
49 145.4 0.0 370.8
130 128.2 0.0 307.0



#15
Acetone
Concen: 454.245 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion: 58 Resp: 247289
Ion Ratio Lower Upper
58 100
43 307.6 227.5 341.3

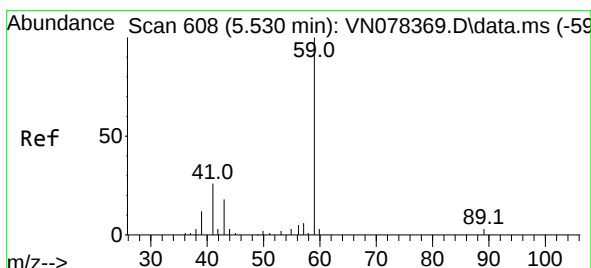
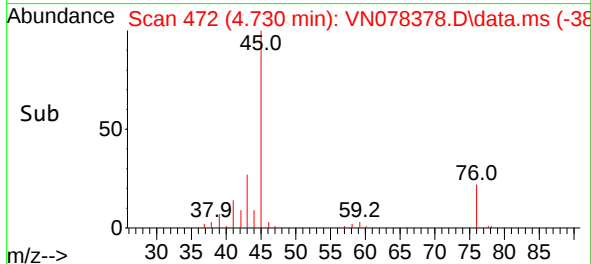
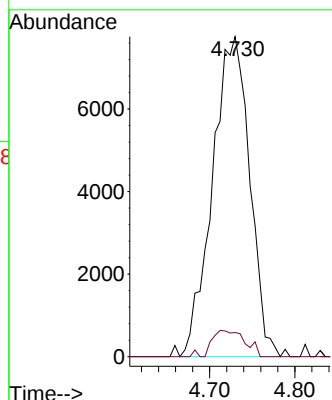
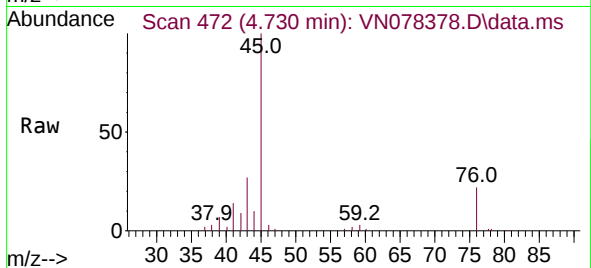




#16
Carbon Disulfide
Concen: 1.895 ug/l
RT: 4.730 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

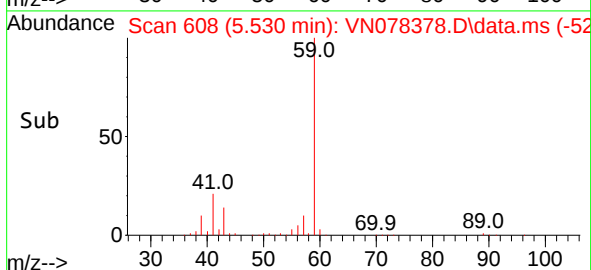
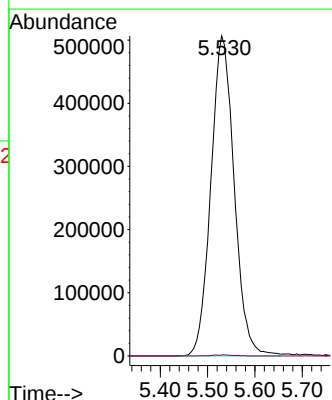
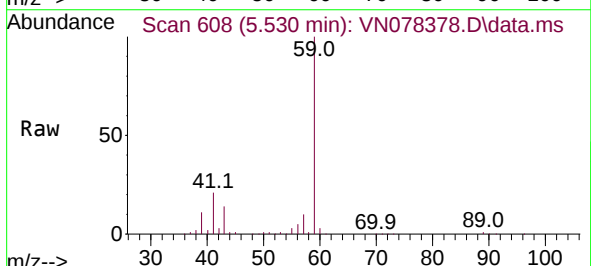
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

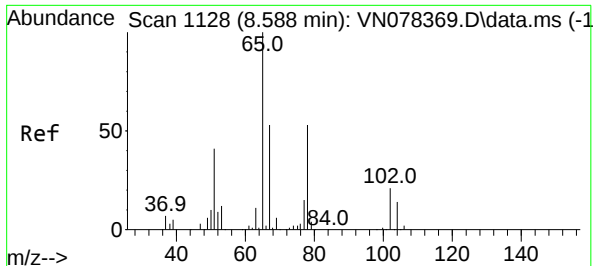
Tgt Ion: 76 Resp: 23525
Ion Ratio Lower Upper
76 100
78 7.6 7.7 11.5#



#23
tert-Butyl Alcohol
Concen: 2426.954 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion: 59 Resp: 1730816
Ion Ratio Lower Upper
59 100
52 0.1 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 28.552 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN078378.D

Acq: 23 Jun 2023 15:15

Instrument :

MSVOA_N

ClientSampleId :

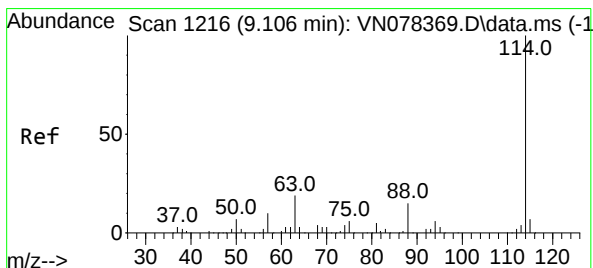
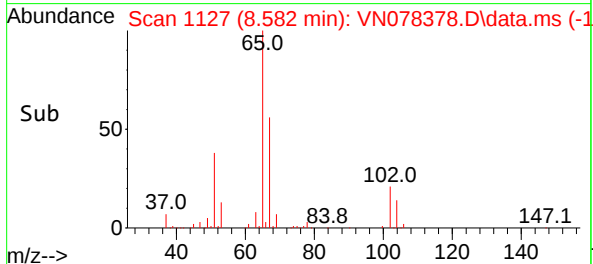
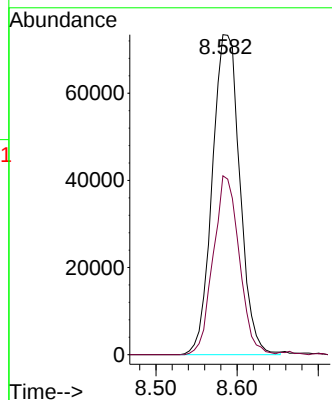
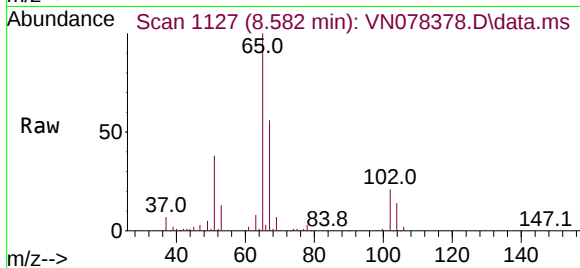
230621028-02-VOA

Tgt Ion: 65 Resp: 173286

Ion Ratio Lower Upper

65 100

67 52.8 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078378.D

Acq: 23 Jun 2023 15:15

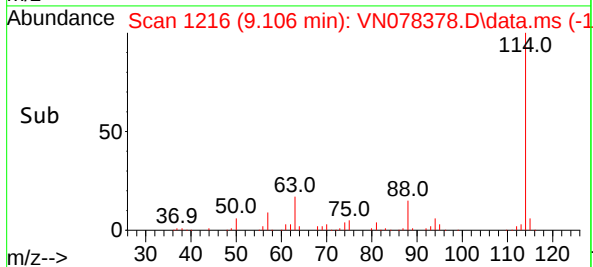
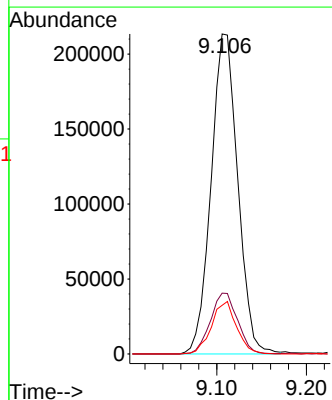
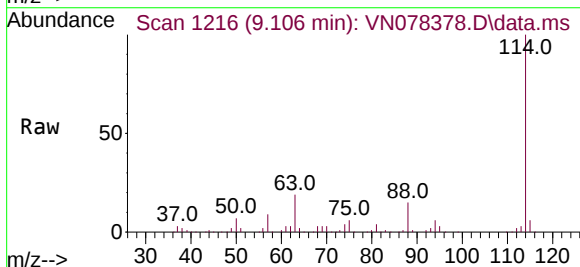
Tgt Ion: 114 Resp: 440879

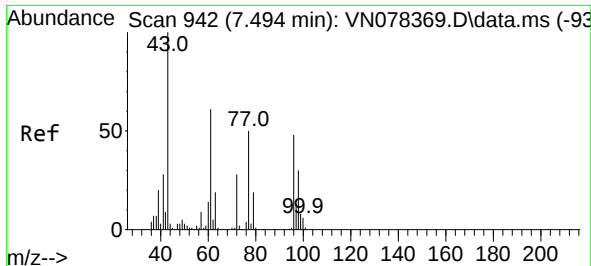
Ion Ratio Lower Upper

114 100

63 19.3 15.2 22.8

88 15.4 12.5 18.7

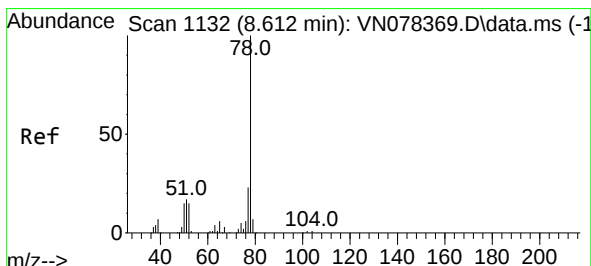
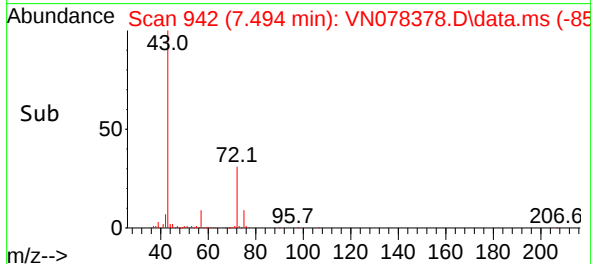
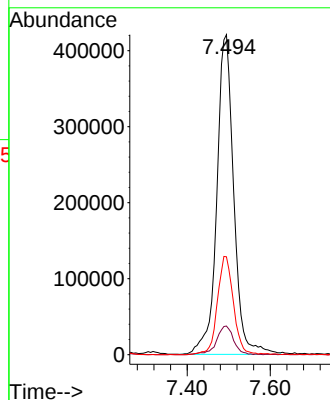
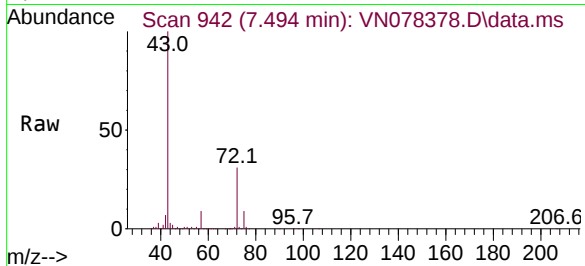




#30
2-Butanone
Concen: 497.983 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

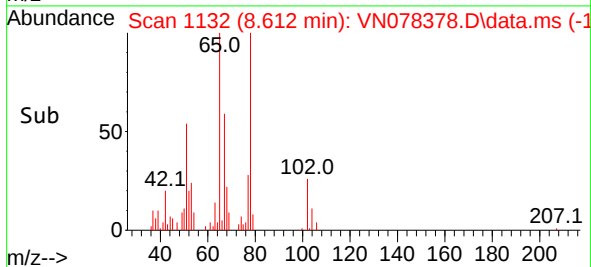
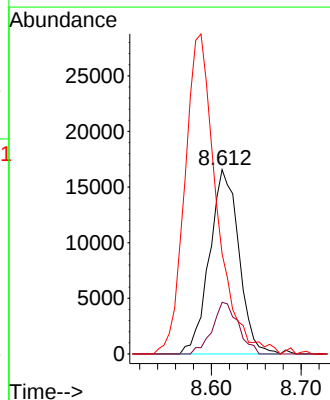
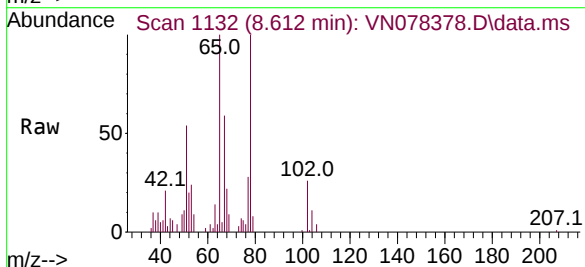
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

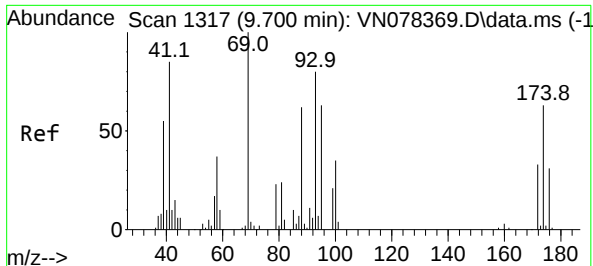
Tgt Ion: 43 Resp: 1192941
Ion Ratio Lower Upper
43 100
57 8.8 6.8 10.2
72 29.0 23.8 35.6



#34
Benzene
Concen: 1.845 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion: 78 Resp: 37594
Ion Ratio Lower Upper
78 100
77 28.0 18.3 27.5#
51 54.2 13.7 20.5#

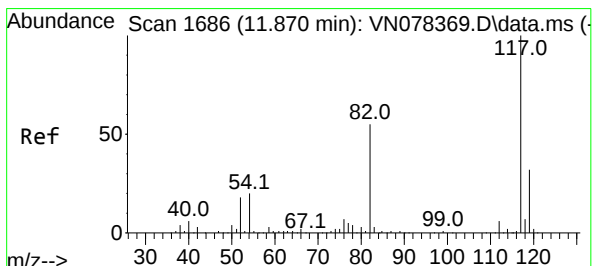
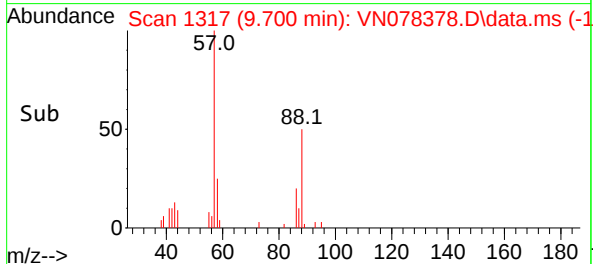
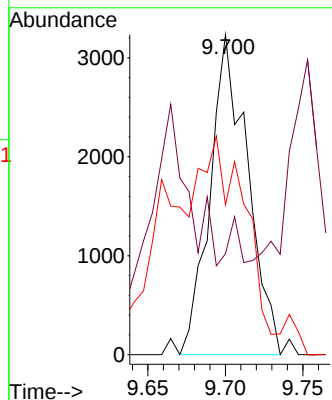
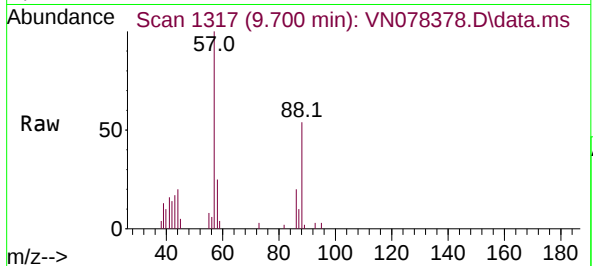




#45
1,4-Dioxane
Concen: 67.673 ug/l
RT: 9.700 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

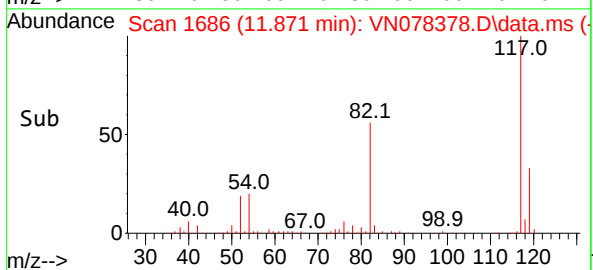
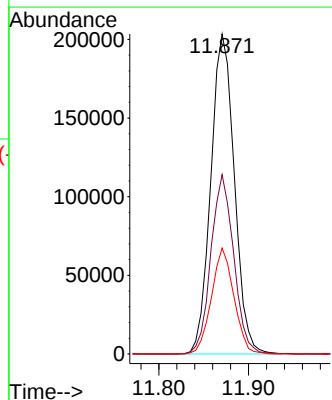
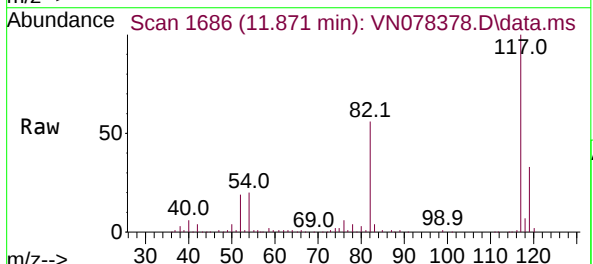
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

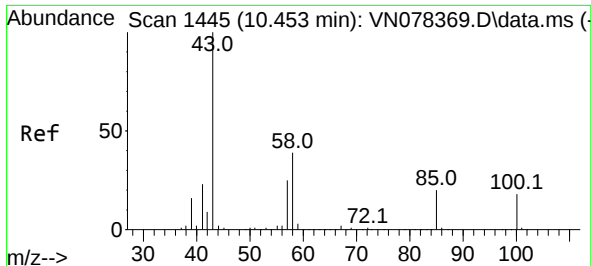
Tgt Ion: 88 Resp: 5439
Ion Ratio Lower Upper
88 100
43 17.1 19.0 28.6#
58 17.2 48.2 72.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion: 117 Resp: 370853
Ion Ratio Lower Upper
117 100
82 54.2 43.9 65.9
119 31.6 26.2 39.4

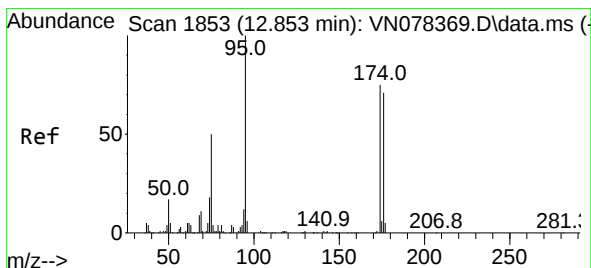
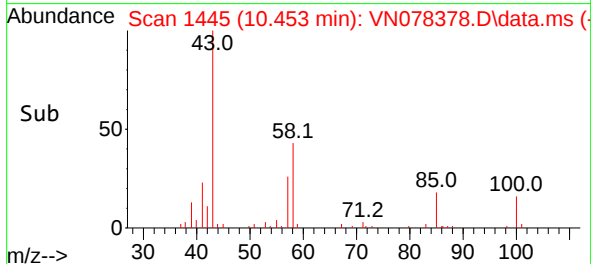
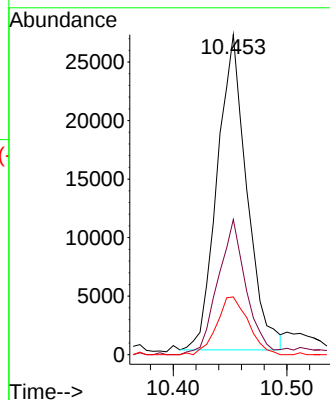
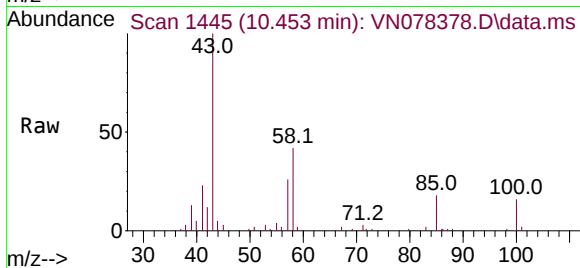




#58
4-Methyl-2-Pentanone
Concen: 9.881 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

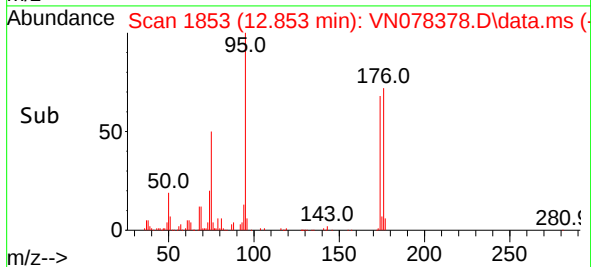
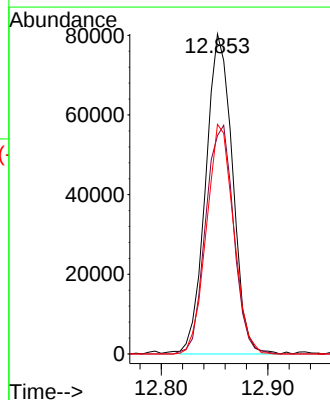
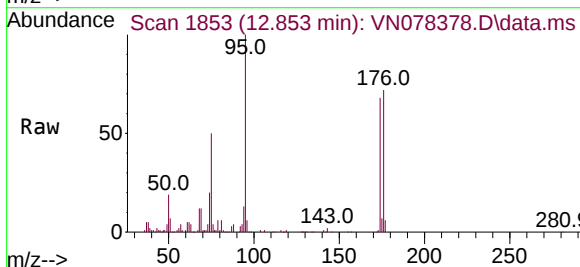
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

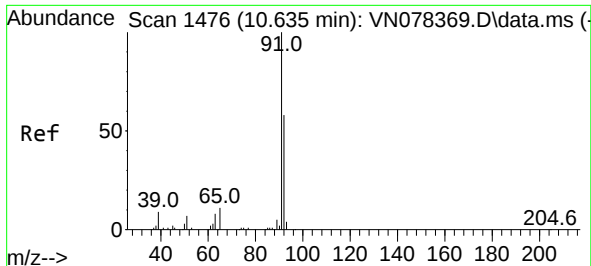
Tgt Ion:	43	Resp:	48936
Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.6	48.8
85	19.4	16.2	24.2



#60
4-Bromofluorobenzene
Concen: 26.911 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion:	95	Resp:	140608
Ion	Ratio	Lower	Upper
95	100		
174	74.5	61.7	92.5
176	72.5	58.1	87.1

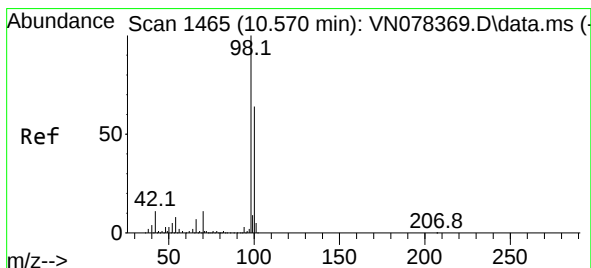
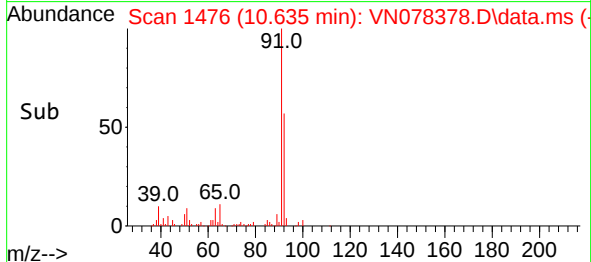
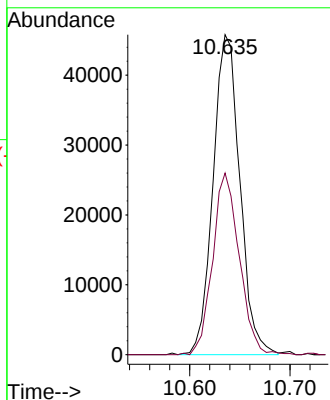
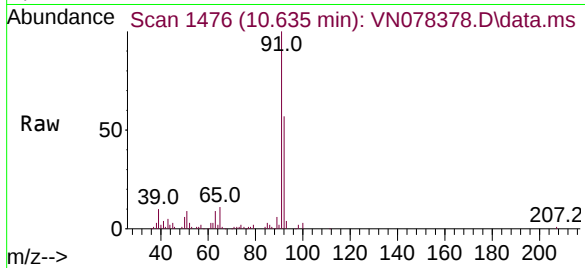




#62
Toluene
Concen: 3.934 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

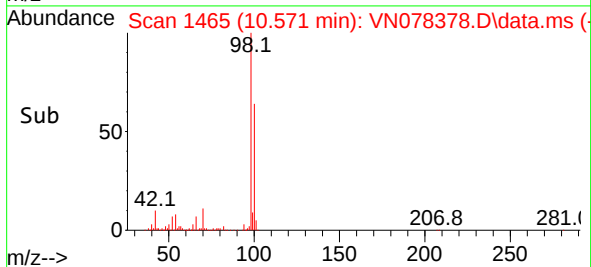
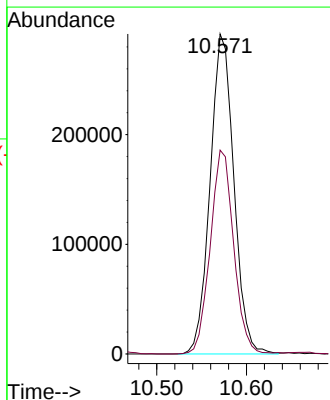
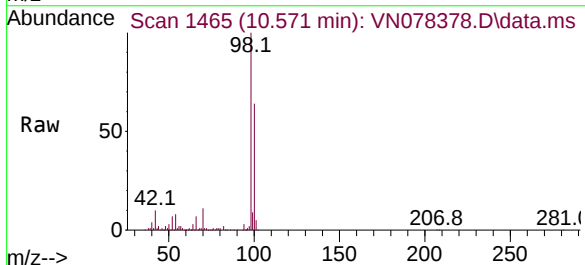
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

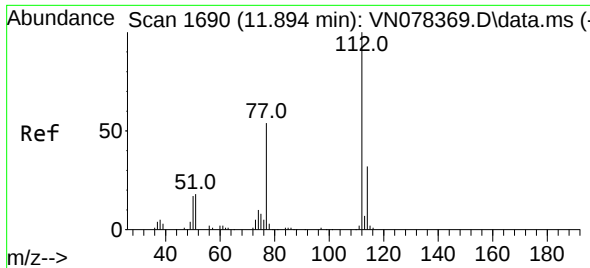
Tgt Ion: 91 Resp: 84918
Ion Ratio Lower Upper
91 100
92 55.9 45.2 67.8



#63
Toluene-d8
Concen: 29.850 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion: 98 Resp: 536370
Ion Ratio Lower Upper
98 100
100 62.9 49.7 74.5

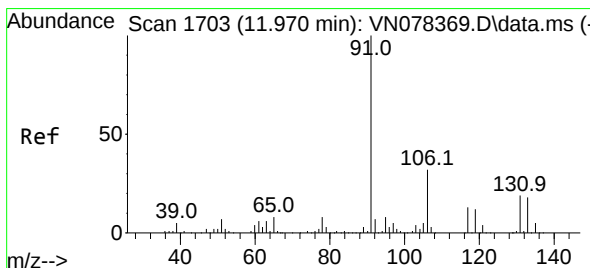
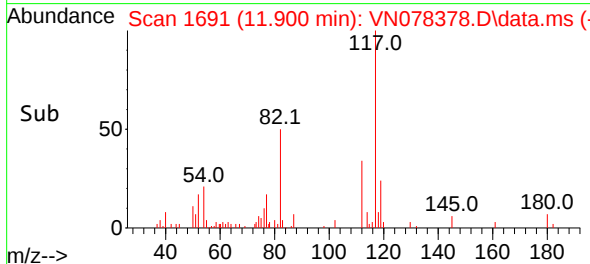
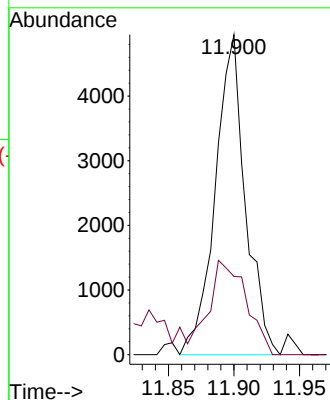
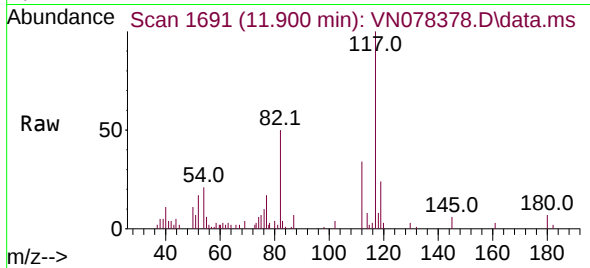




#64
Chlorobenzene
Concen: 0.618 ug/l
RT: 11.900 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

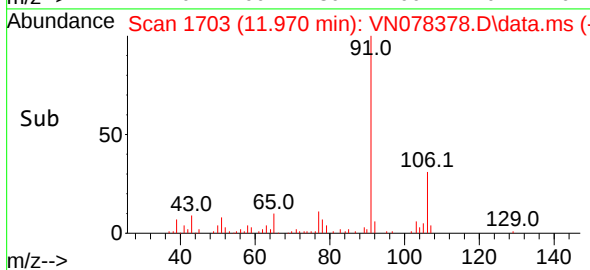
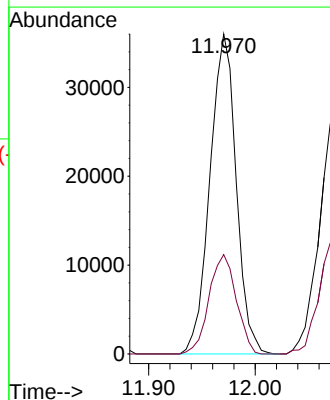
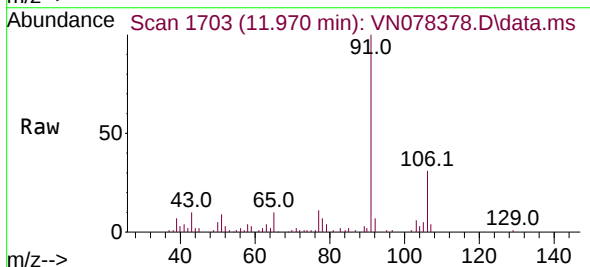
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

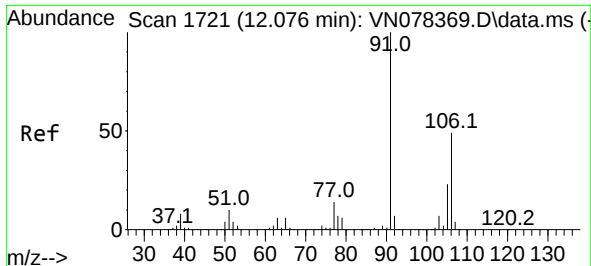
Tgt Ion:112 Resp: 7900
Ion Ratio Lower Upper
112 100
114 29.1 25.9 38.9



#66
Ethyl Benzene
Concen: 2.808 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion: 91 Resp: 61671
Ion Ratio Lower Upper
91 100
106 31.0 25.6 38.4





#67

m/p-Xylenes

Concen: 3.011 ug/l

RT: 12.070 min Scan# 1721

Delta R.T. -0.006 min

Lab File: VN078378.D

Acq: 23 Jun 2023 15:15

Instrument :

MSVOA_N

ClientSampleId :

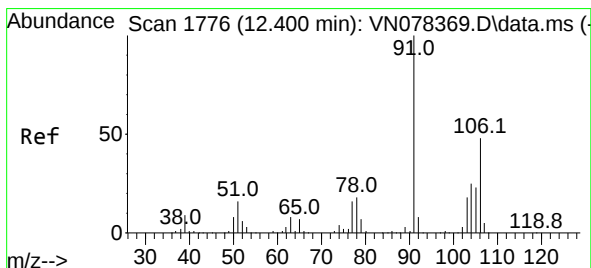
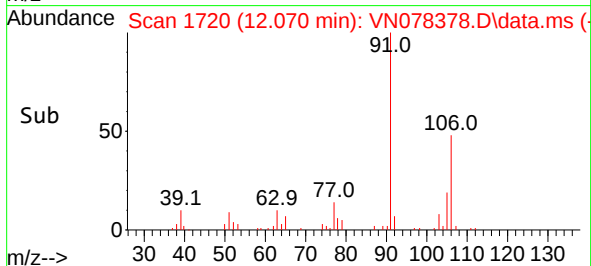
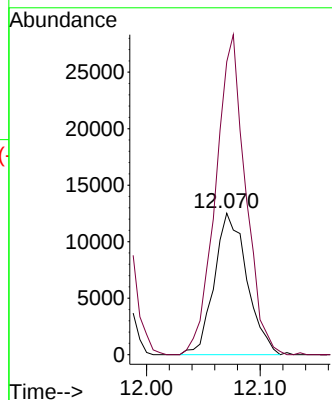
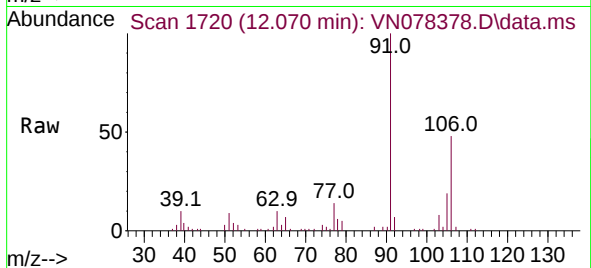
230621028-02-VOA

Tgt Ion:106 Resp: 25006

Ion Ratio Lower Upper

106 100

91 207.4 162.5 243.7



#68

o-Xylene

Concen: 2.176 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VN078378.D

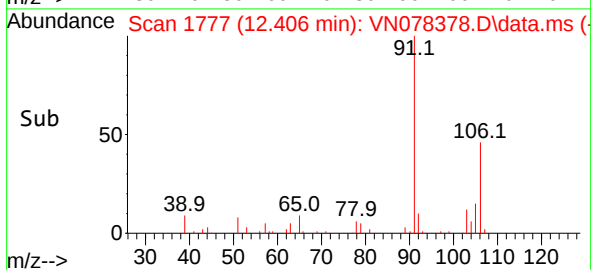
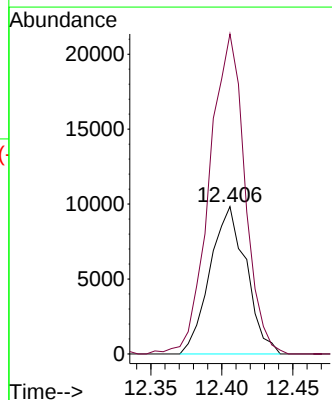
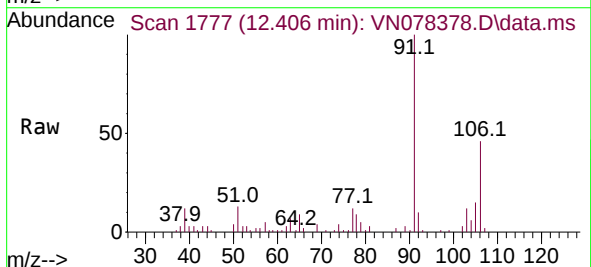
Acq: 23 Jun 2023 15:15

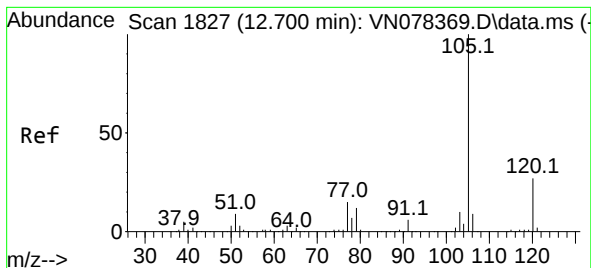
Tgt Ion:106 Resp: 17522

Ion Ratio Lower Upper

106 100

91 211.9 106.1 318.3

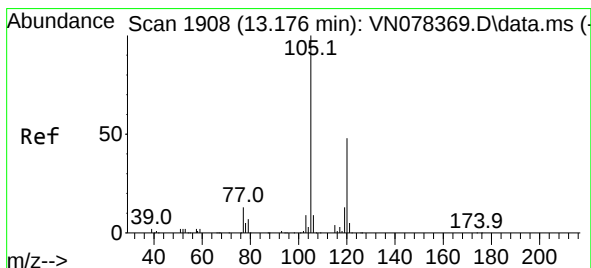
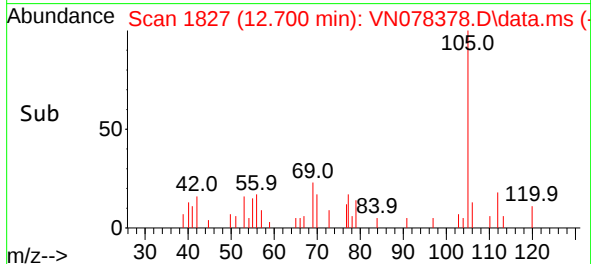
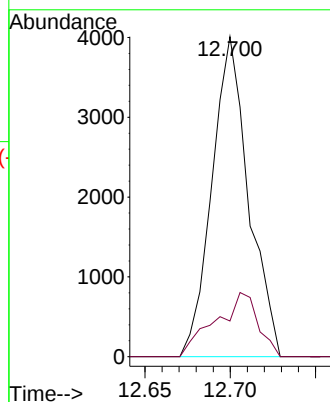
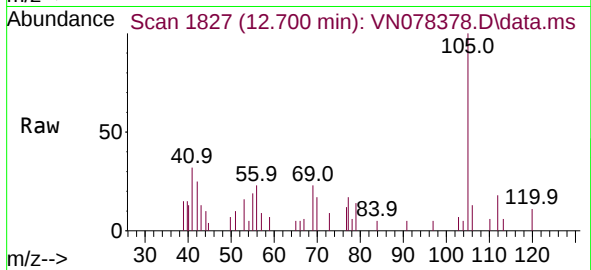




#70
Isopropylbenzene
Concen: 0.303 ug/l
RT: 12.700 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

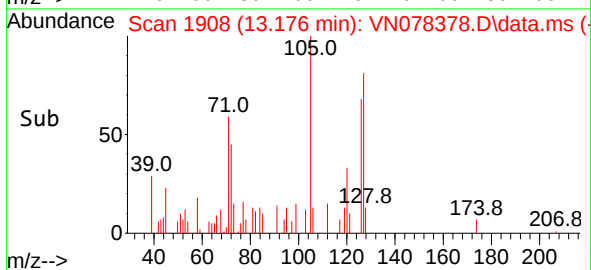
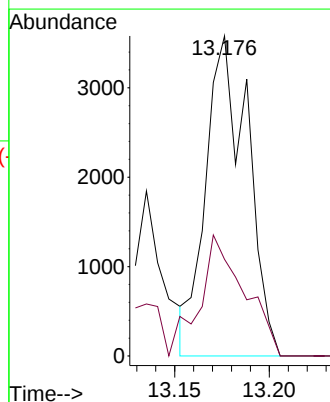
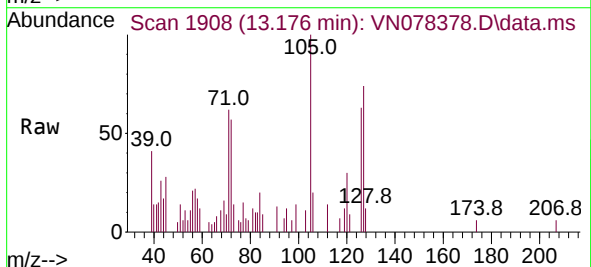
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

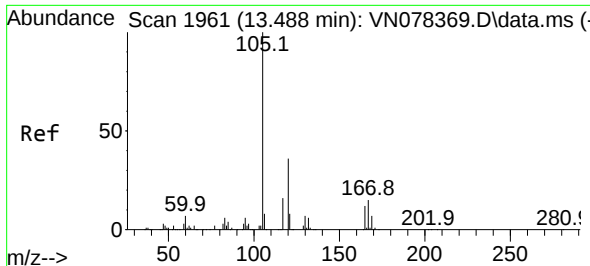
Tgt Ion:105 Resp: 5992
Ion Ratio Lower Upper
105 100
120 12.1 18.3 34.1#



#76
1,3,5-Trimethylbenzene
Concen: 0.333 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion:105 Resp: 5471
Ion Ratio Lower Upper
105 100
120 35.4 0.0 97.2

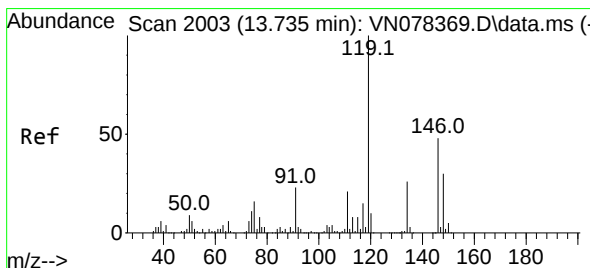
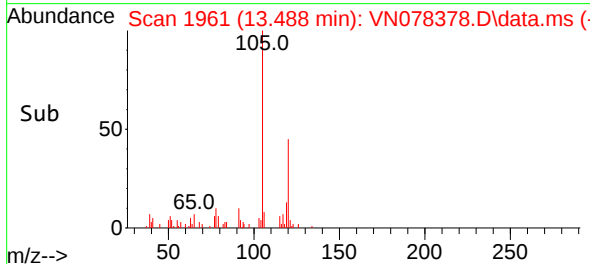
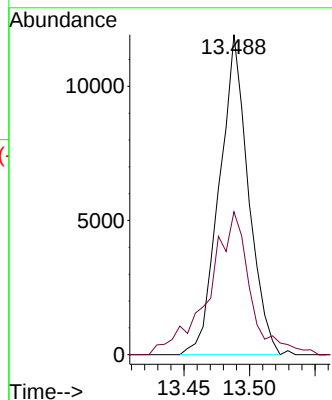
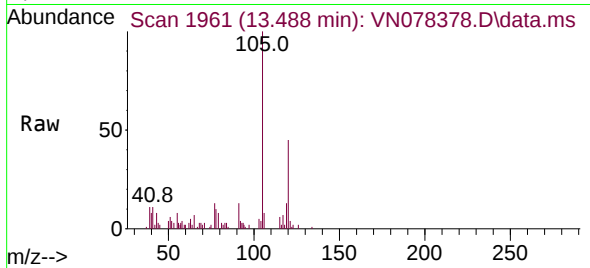




#80
1,2,4-Trimethylbenzene
Concen: 1.180 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

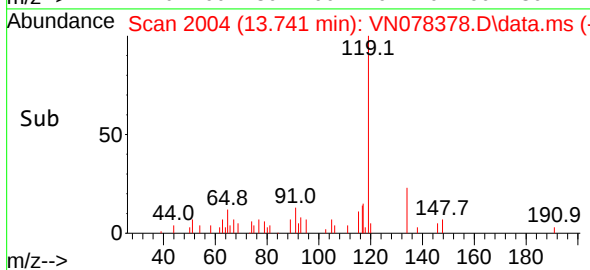
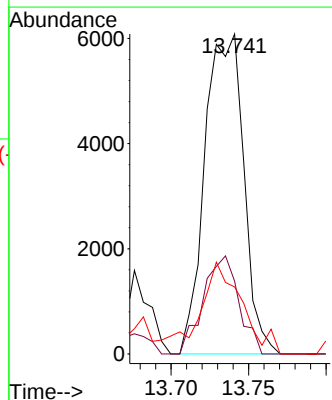
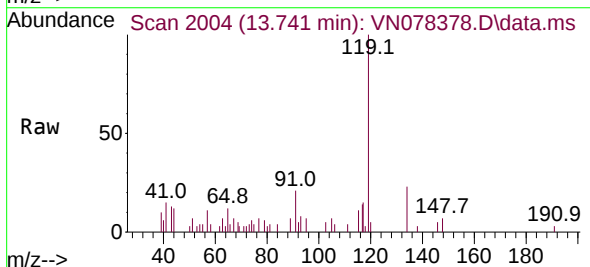
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

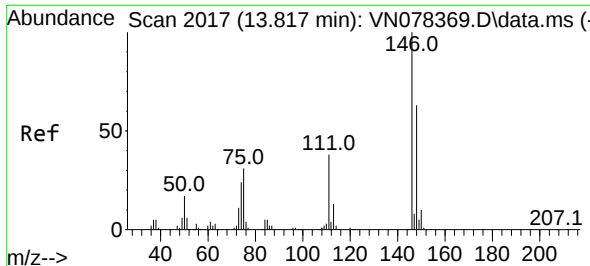
Tgt Ion:105 Resp: 18301
Ion Ratio Lower Upper
105 100
120 63.5 0.0 88.2



#82
p-Isopropyltoluene
Concen: 0.782 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion:119 Resp: 10589
Ion Ratio Lower Upper
119 100
134 28.2 0.0 52.4
91 23.8 0.0 48.2

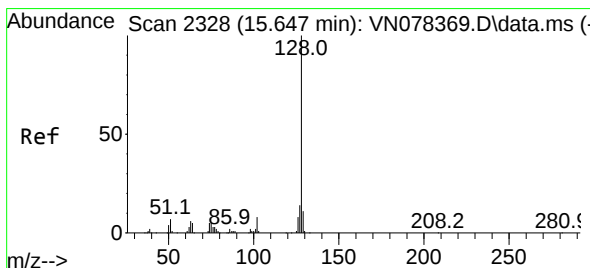
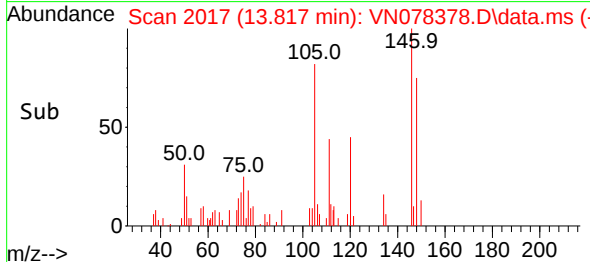
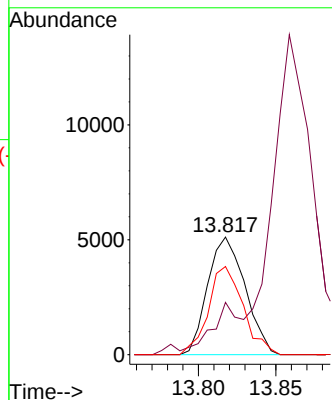
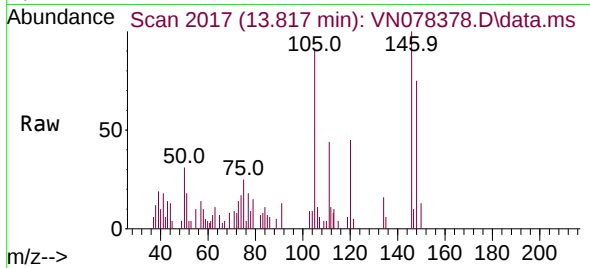




#84
1,4-Dichlorobenzene
Concen: 1.187 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

Tgt Ion:146 Resp: 8603
Ion Ratio Lower Upper
146 100
111 34.6 19.4 58.2
148 69.7 31.4 94.3



#91
Naphthalene
Concen: 13.855 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.000 min
Lab File: VN078378.D
Acq: 23 Jun 2023 15:15

Tgt Ion:128 Resp: 102887
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 11.1 9.0 13.4

