

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079954.D
 Acq On : 07 Nov 2023 08:29
 Operator : JC\MD
 Sample : 05107-25
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1049

Quant Time: Nov 07 12:32:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	374002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	750986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	664061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	319613	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	276301	48.490	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.980%
35) Dibromofluoromethane	8.171	113	242404	45.606	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.220%
50) Toluene-d8	10.571	98	951404	48.623	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.240%
62) 4-Bromofluorobenzene	12.853	95	318013	49.005	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.000%

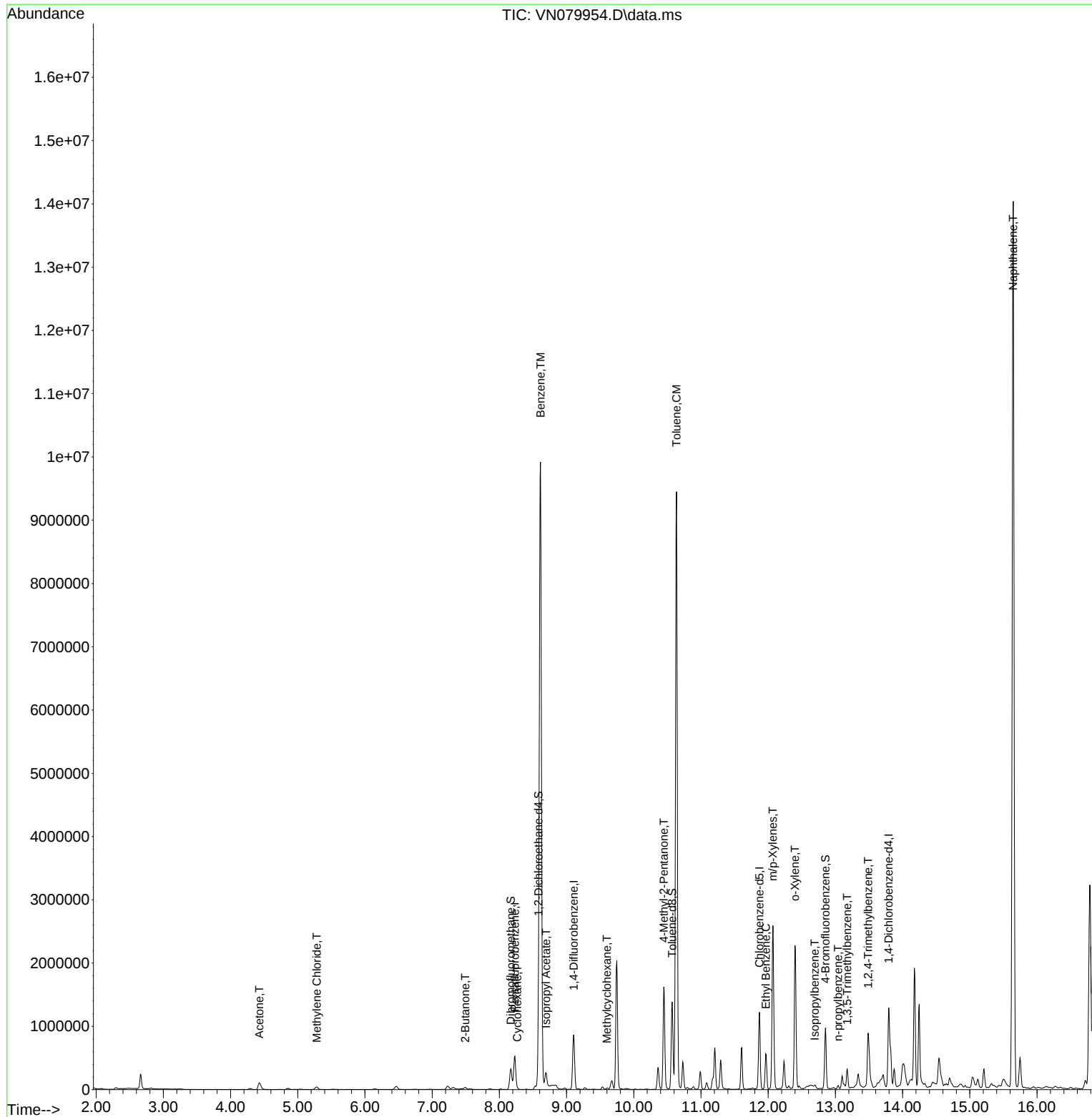
Target Compounds						Qvalue
16) Acetone	4.430	43	202628	101.238	ug/l	95
20) Methylene Chloride	5.283	84	32052	6.347	ug/l	88
25) 2-Butanone	7.494	43	51132	17.446	ug/l #	79
31) Cyclohexane	8.265	56	19592m	2.602	ug/l	
39) Methylcyclohexane	9.600	83	8270	1.158	ug/l	90
40) Benzene	8.612	78	10269331	451.782	ug/l	100
43) Isopropyl Acetate	8.694	43	303394	24.856	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	1084398	157.802	ug/l	93
52) Toluene	10.635	92	4222529	313.343	ug/l	99
67) Ethyl Benzene	11.965	91	396238	15.788	ug/l	94
68) m/p-Xylenes	12.070	106	764396	81.763	ug/l	92
69) o-Xylene	12.400	106	585296	65.014	ug/l	92
73) Isopropylbenzene	12.694	105	24265	1.000	ug/l	99
78) n-propylbenzene	13.041	91	32479	1.169	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	166904	8.844	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	543273	29.259	ug/l	83
95) Naphthalene	15.647	128	12363046	735.160	ug/l	99

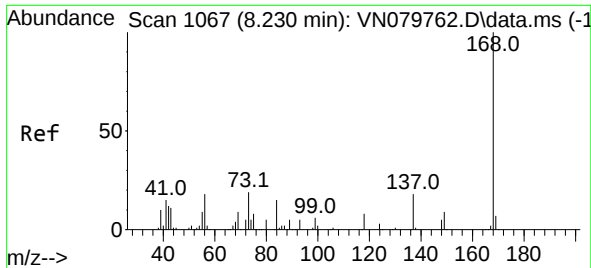
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration

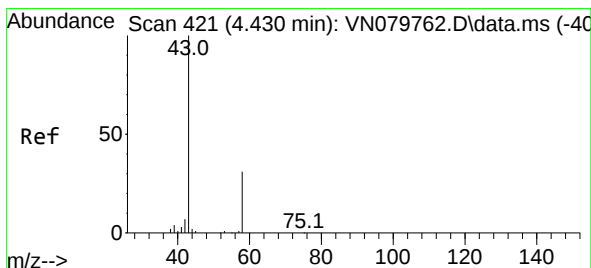
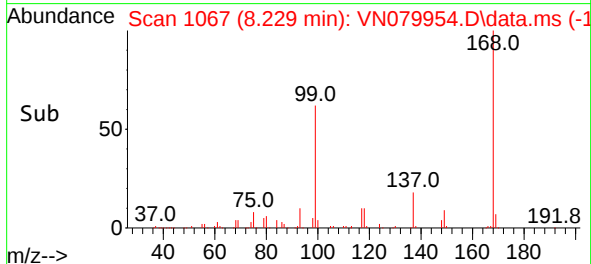
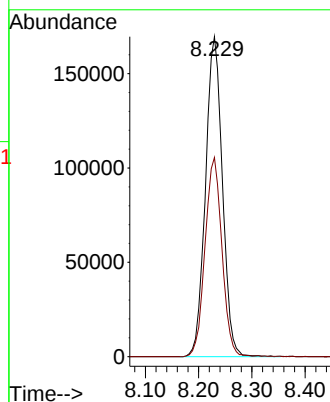
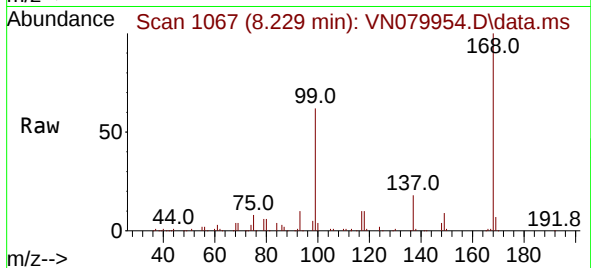




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1049
Delta R.T. 0.001 min
Lab File: VN079954.D
Acq: 07 Nov 2023 08:29

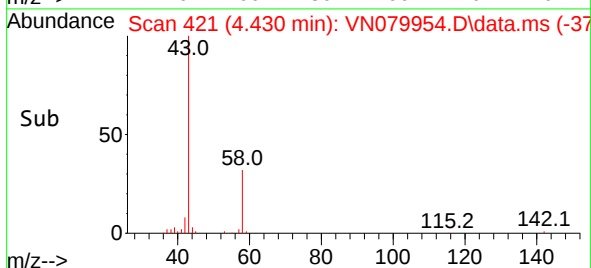
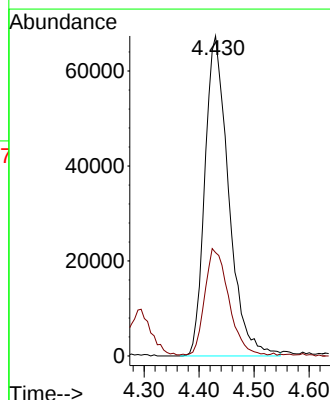
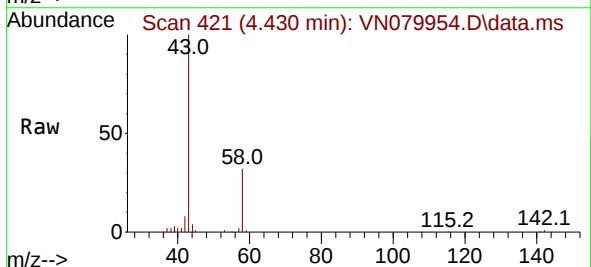
Instrument :
MSVOA_N
ClientSampleId :
1049

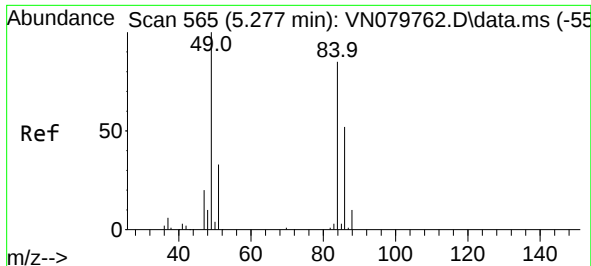
Tgt Ion:168 Resp: 374002
Ion Ratio Lower Upper
168 100
99 62.3 53.0 79.6



#16
Acetone
Concen: 101.238 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN079954.D
Acq: 07 Nov 2023 08:29

Tgt Ion: 43 Resp: 202628
Ion Ratio Lower Upper
43 100
58 31.9 28.0 42.0

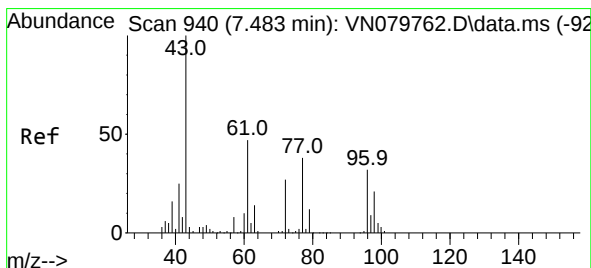
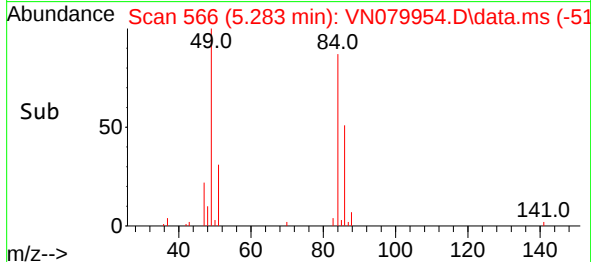
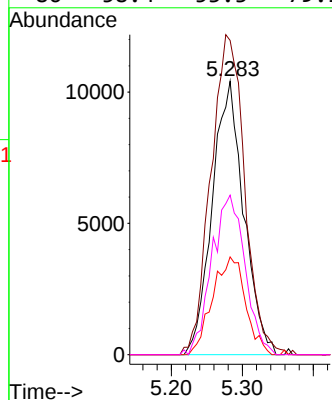
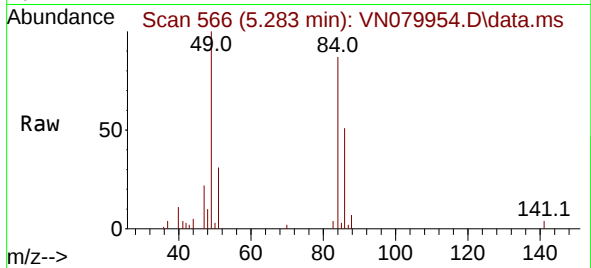




#20
Methylene Chloride
Concen: 6.347 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079954.D
Acq: 07 Nov 2023 08:29

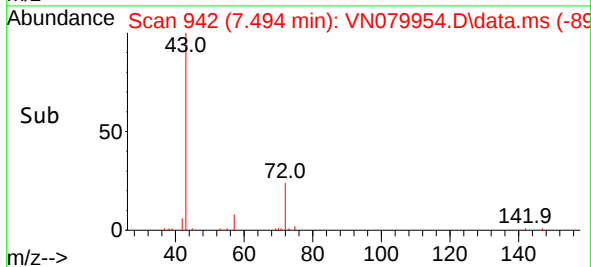
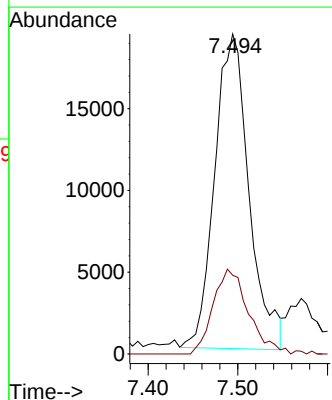
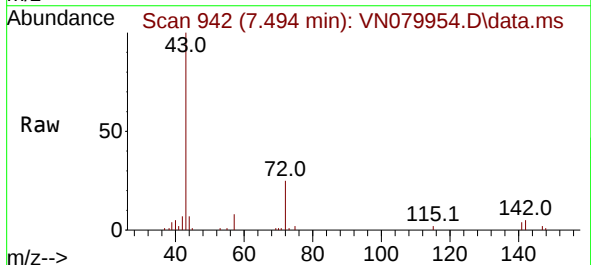
Instrument :
MSVOA_N
ClientSampleId :
1049

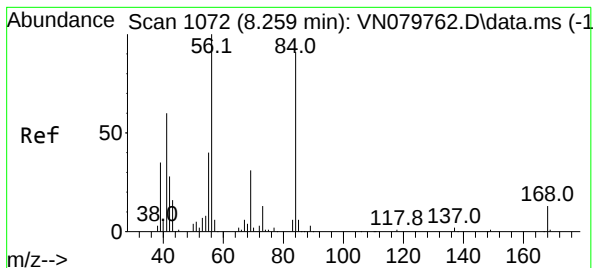
Tgt Ion:	84	Resp:	32052
Ion	Ratio	Lower	Upper
84	100		
49	114.9	79.7	119.5
51	35.8	25.2	37.8
86	58.4	53.3	79.9



#25
2-Butanone
Concen: 17.446 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079954.D
Acq: 07 Nov 2023 08:29

Tgt Ion:	43	Resp:	51132
Ion	Ratio	Lower	Upper
43	100		
72	25.1	30.2	45.2#





#31

Cyclohexane

Concen: 2.602 ug/l m

RT: 8.265 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

Instrument :

MSVOA_N

ClientSampleId :

1049

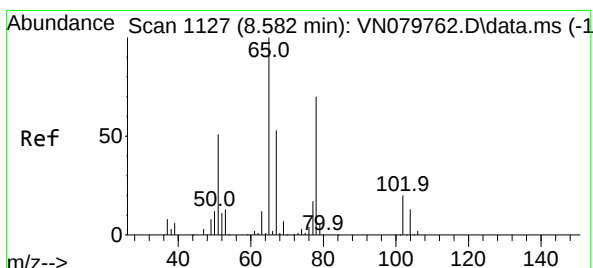
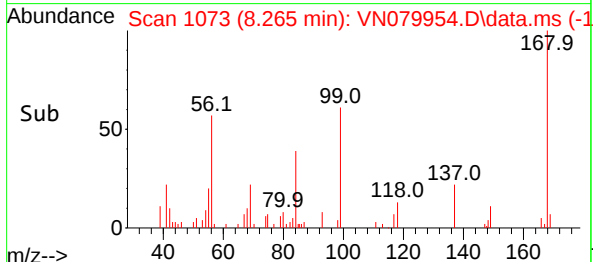
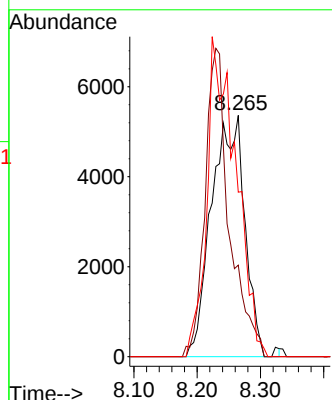
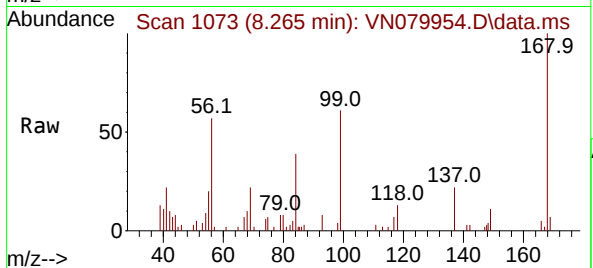
Tgt Ion: 56 Resp: 19592

Ion Ratio Lower Upper

56 100

69 37.9 26.8 40.2

84 68.2 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 48.490 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079954.D

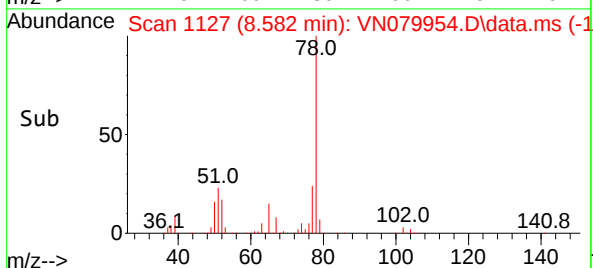
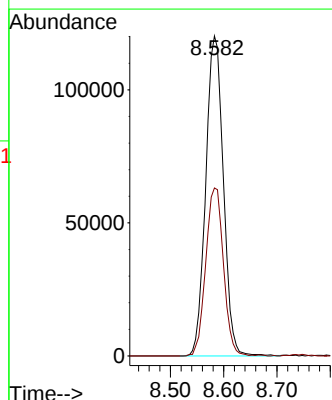
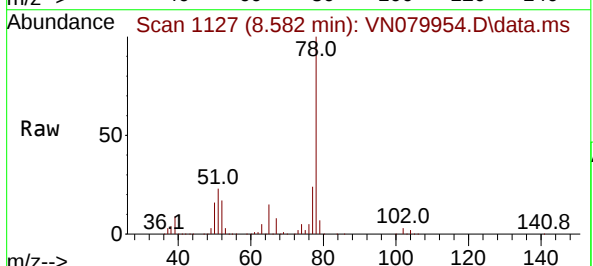
Acq: 07 Nov 2023 08:29

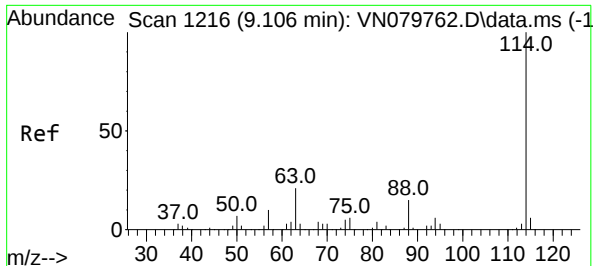
Tgt Ion: 65 Resp: 276301

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

Instrument :

MSVOA_N

ClientSampleId :

1049

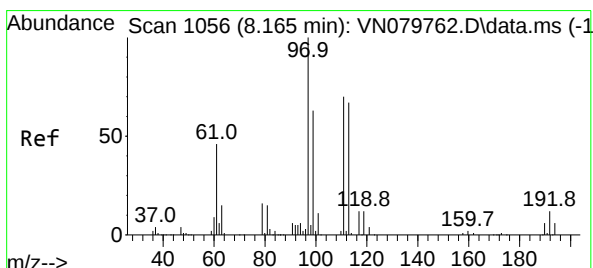
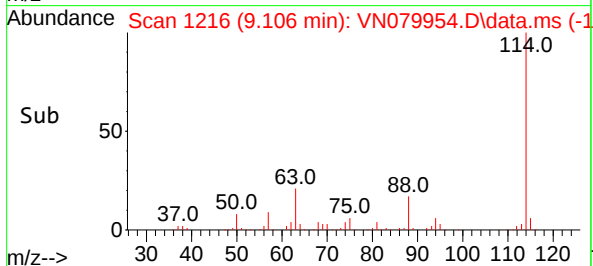
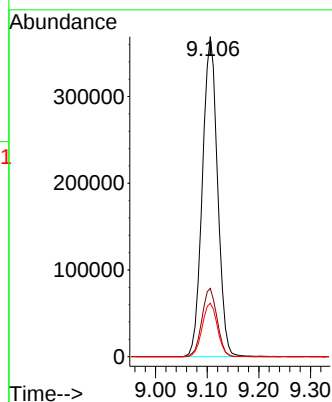
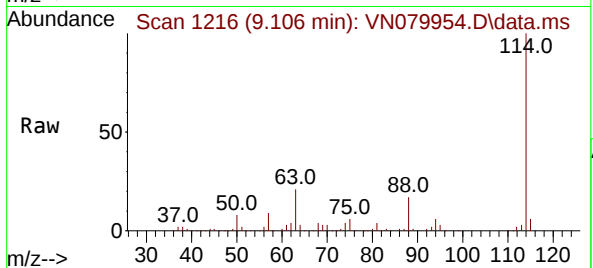
Tgt Ion:114 Resp: 750986

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 16.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.606 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

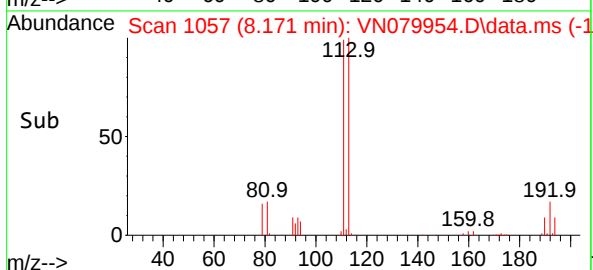
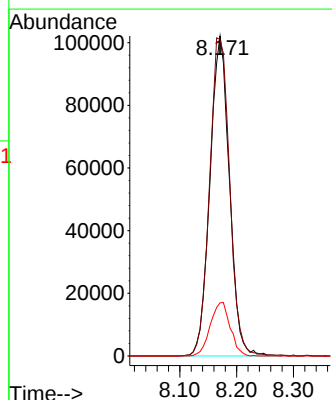
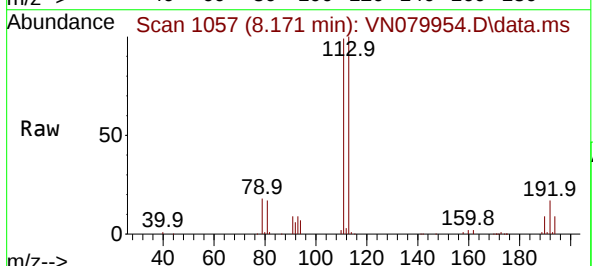
Tgt Ion:113 Resp: 242404

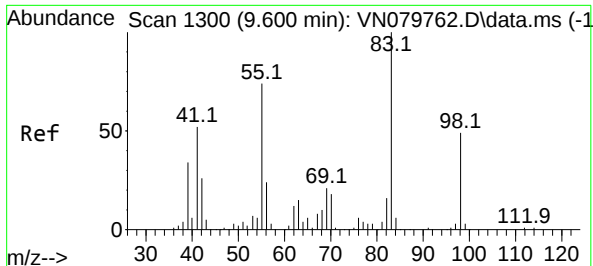
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 17.1 12.7 19.1





#39

Methylcyclohexane

Concen: 1.158 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

Instrument :

MSVOA_N

ClientSampleId :

1049

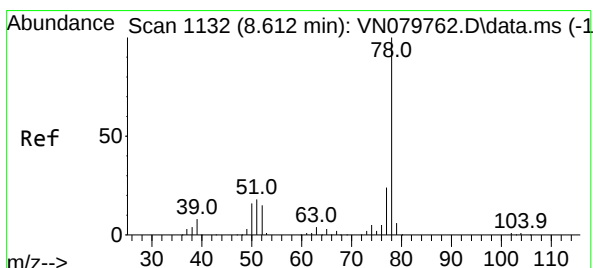
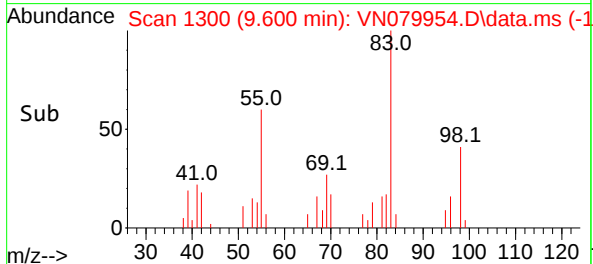
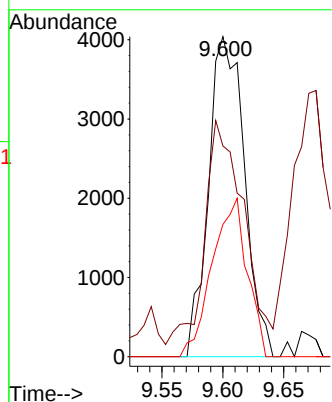
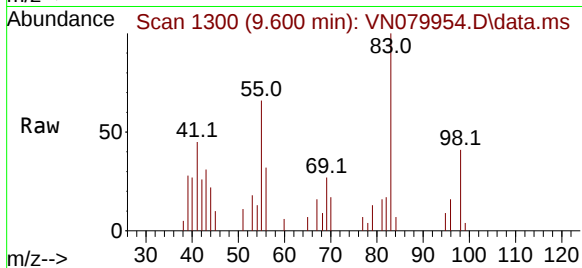
Tgt Ion: 83 Resp: 8270

Ion Ratio Lower Upper

83 100

55 55.7 49.1 73.7

98 41.4 40.6 61.0



#40

Benzene

Concen: 451.782 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079954.D

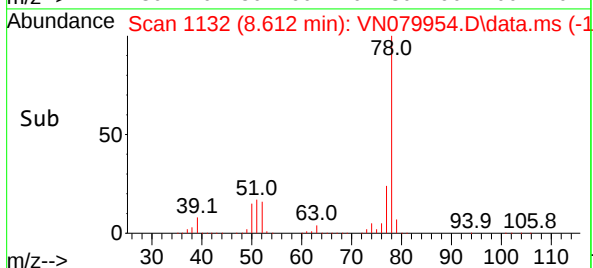
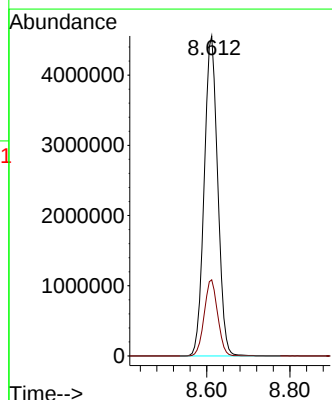
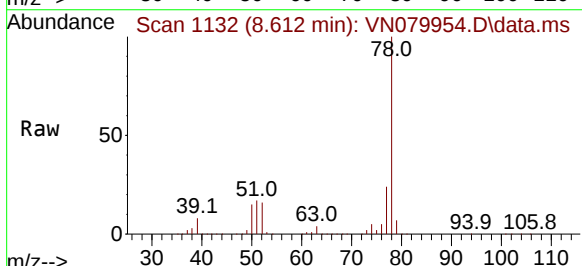
Acq: 07 Nov 2023 08:29

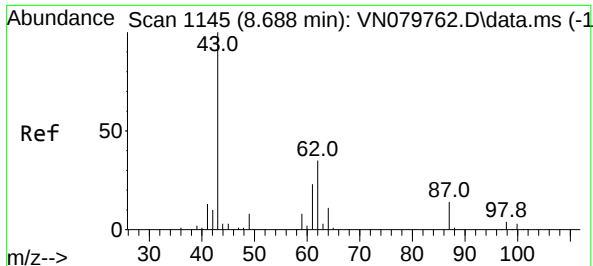
Tgt Ion: 78 Resp:10269331

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6





#43

Isopropyl Acetate

Concen: 24.856 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

Instrument :

MSVOA_N

ClientSampleId :

1049

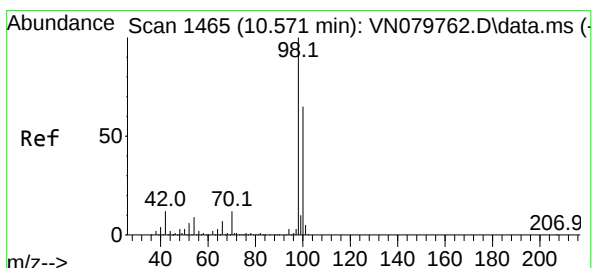
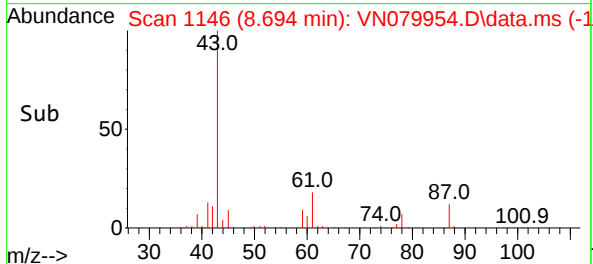
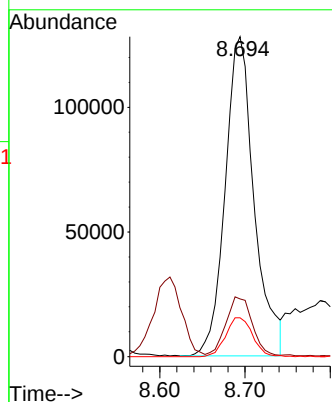
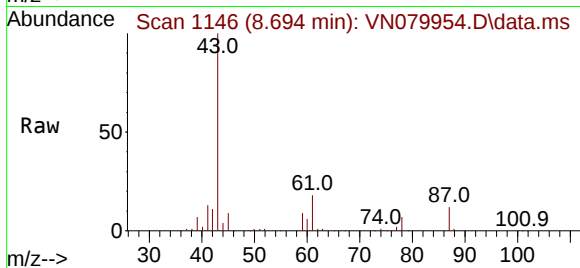
Tgt Ion: 43 Resp: 303394

Ion Ratio Lower Upper

43 100

61 17.6 24.7 37.1#

87 11.3 14.6 21.8#



#50

Toluene-d8

Concen: 48.623 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079954.D

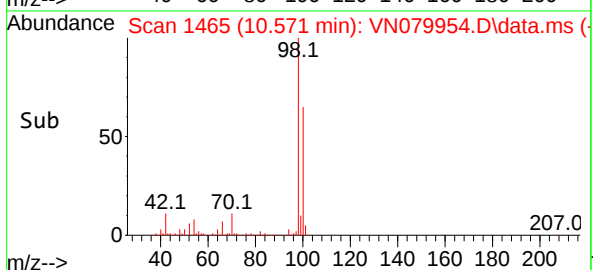
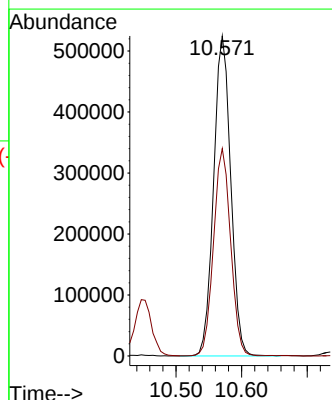
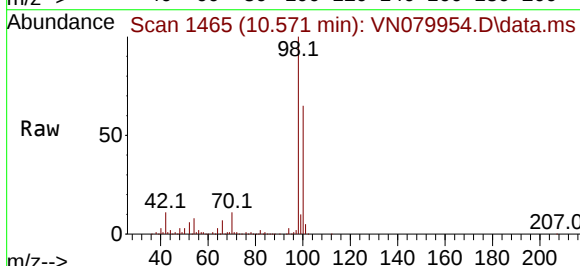
Acq: 07 Nov 2023 08:29

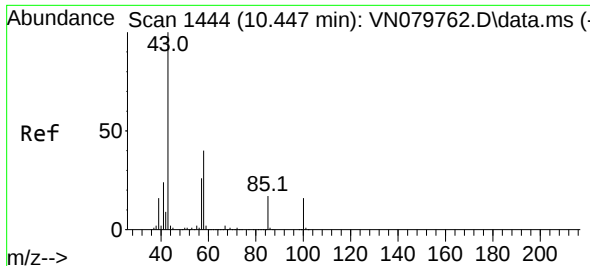
Tgt Ion: 98 Resp: 951404

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

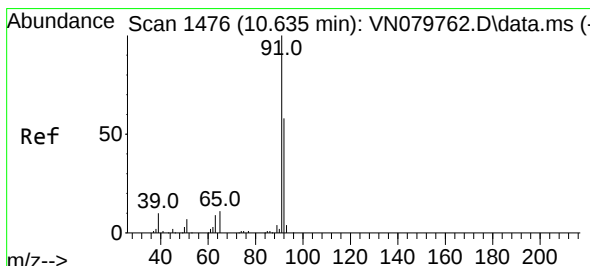
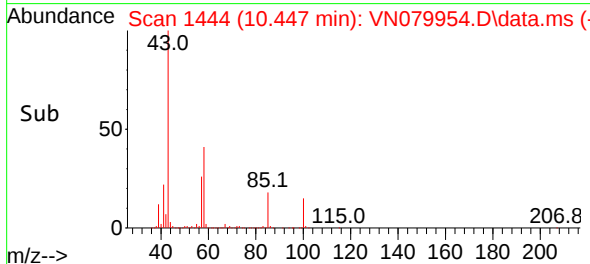
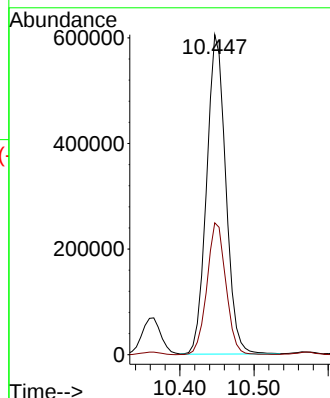
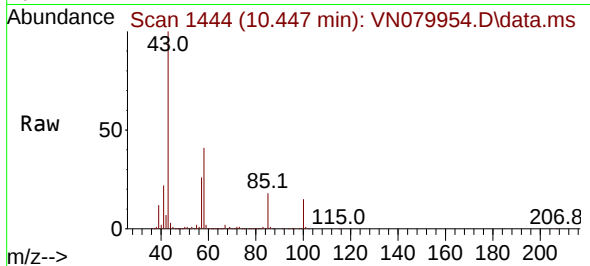




#51
4-Methyl-2-Pentanone
Concen: 157.802 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079954.D
Acq: 07 Nov 2023 08:29

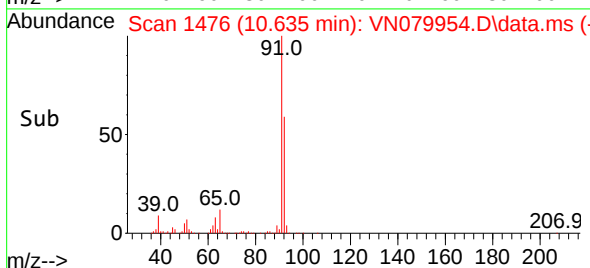
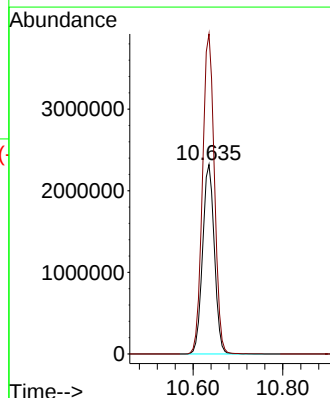
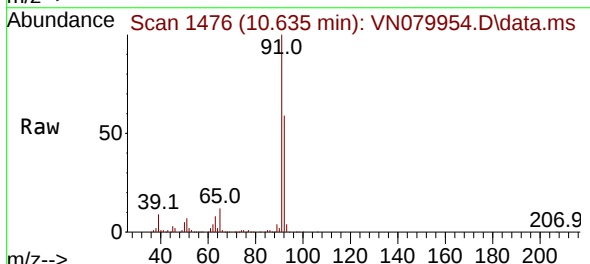
Instrument :
MSVOA_N
ClientSampleId :
1049

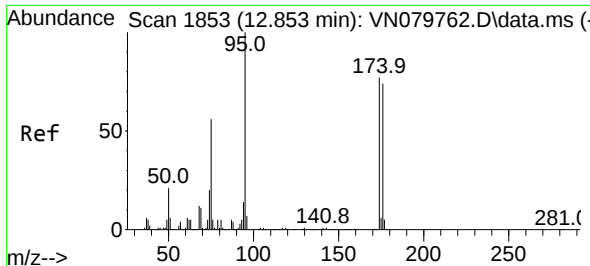
Tgt Ion: 43 Resp: 1084398
Ion Ratio Lower Upper
43 100
58 41.0 36.6 54.8



#52
Toluene
Concen: 313.343 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079954.D
Acq: 07 Nov 2023 08:29

Tgt Ion: 92 Resp: 4222529
Ion Ratio Lower Upper
92 100
91 170.6 137.4 206.0

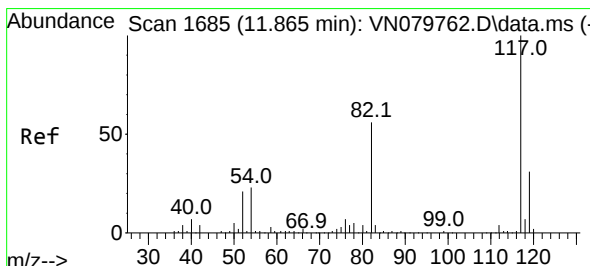
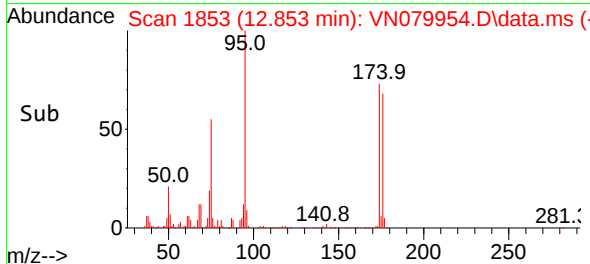
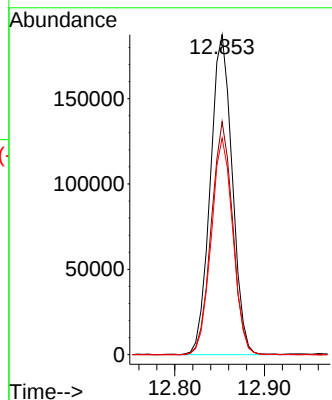
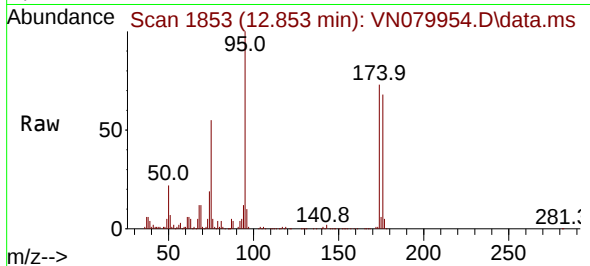




#62
4-Bromofluorobenzene
Concen: 49.005 ug/l
RT: 12.853 min Scan# 11049
Delta R.T. 0.000 min
Lab File: VN079954.D
Acq: 07 Nov 2023 08:29

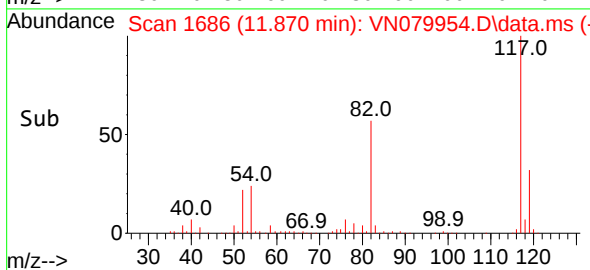
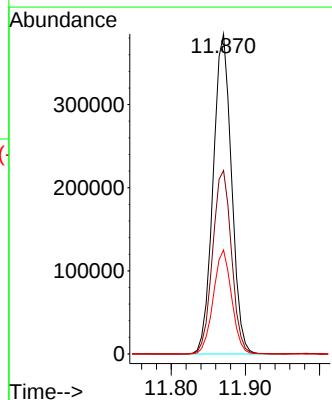
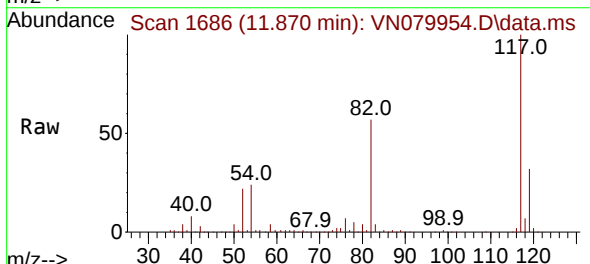
Instrument :
MSVOA_N
ClientSampleId :
1049

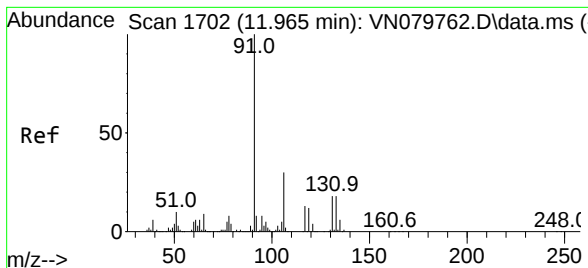
Tgt Ion: 95 Resp: 318013
Ion Ratio Lower Upper
95 100
174 71.1 0.0 143.8
176 66.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079954.D
Acq: 07 Nov 2023 08:29

Tgt Ion: 117 Resp: 664061
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 32.5 25.6 38.4





#67

Ethyl Benzene

Concen: 15.788 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

Instrument :

MSVOA_N

ClientSampleId :

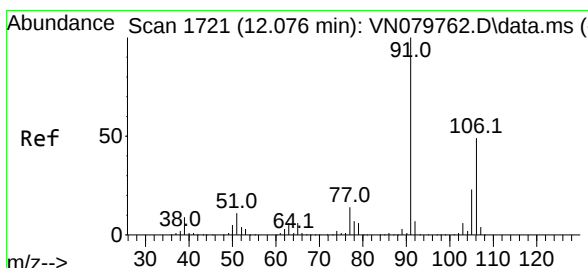
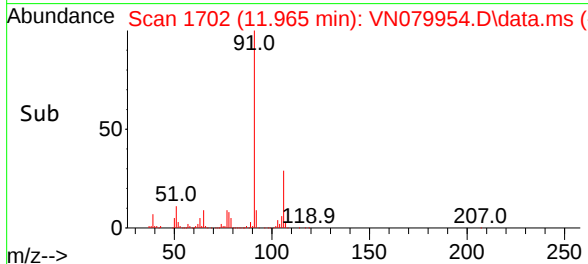
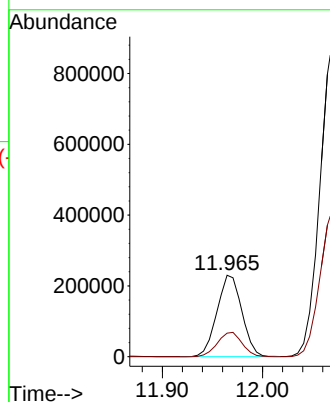
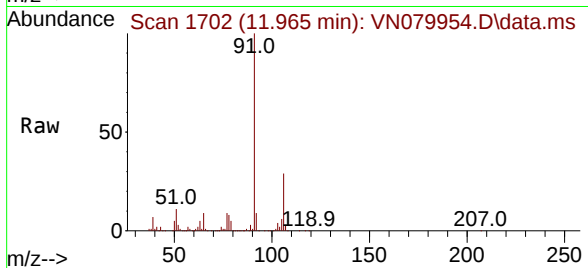
1049

Tgt Ion: 91 Resp: 396238

Ion Ratio Lower Upper

91 100

106 28.9 25.6 38.4



#68

m/p-Xylenes

Concen: 81.763 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN079954.D

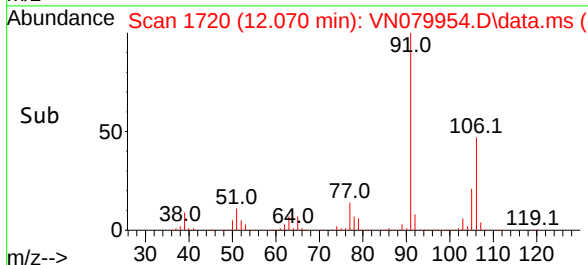
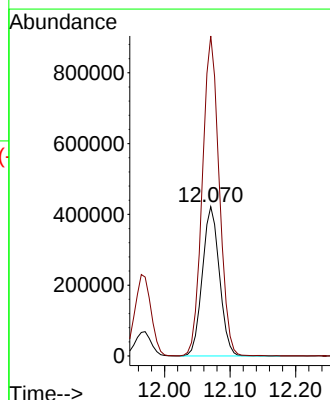
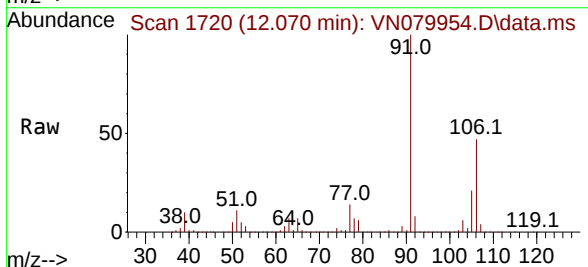
Acq: 07 Nov 2023 08:29

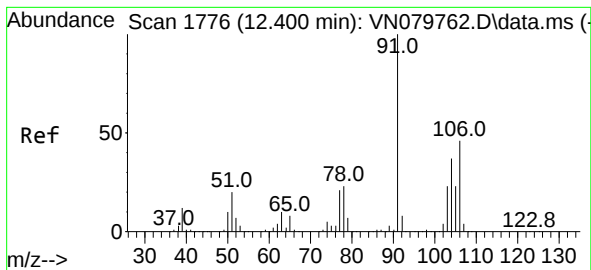
Tgt Ion: 106 Resp: 764396

Ion Ratio Lower Upper

106 100

91 211.5 159.6 239.4





#69

o-Xylene

Concen: 65.014 ug/l

RT: 12.400 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

Instrument :

MSVOA_N

ClientSampleId :

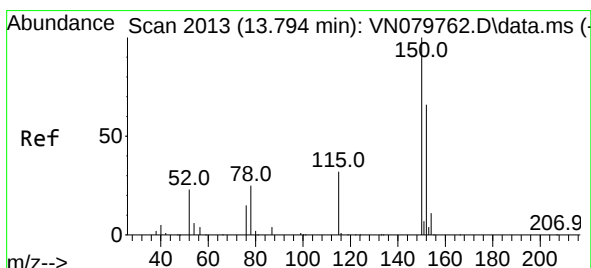
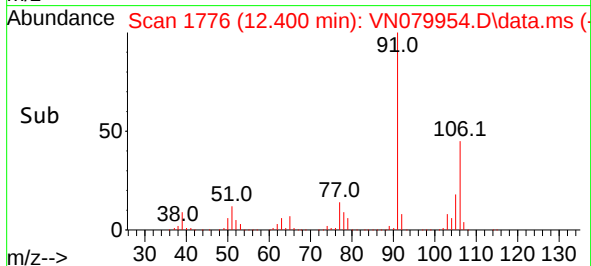
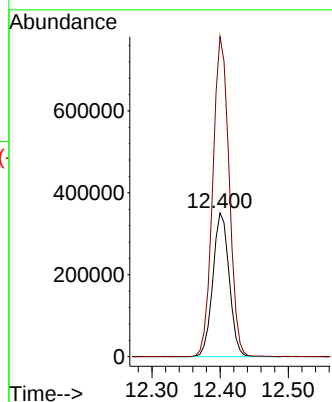
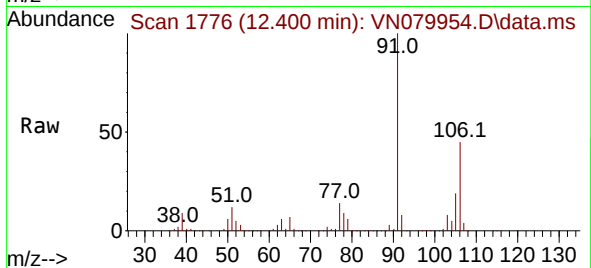
1049

Tgt Ion:106 Resp: 585296

Ion Ratio Lower Upper

106 100

91 223.4 105.2 315.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

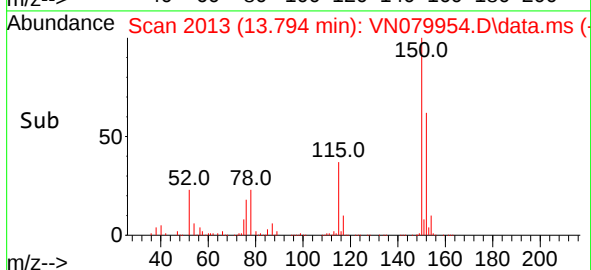
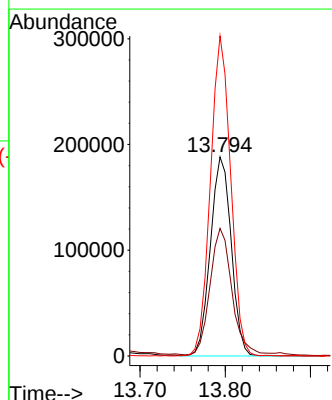
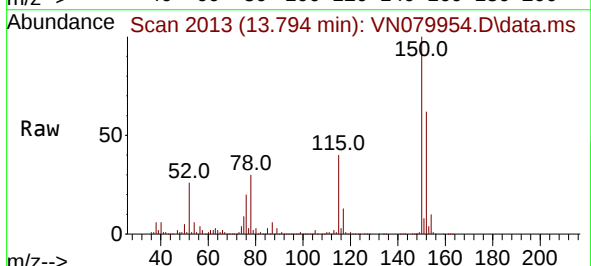
Tgt Ion:152 Resp: 319613

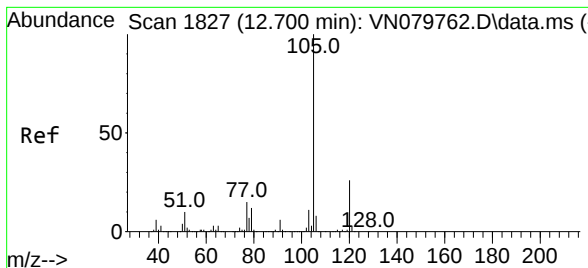
Ion Ratio Lower Upper

152 100

115 66.5 32.3 96.8

150 156.6 0.0 355.8





#73

Isopropylbenzene

Concen: 1.000 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.006 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

Instrument :

MSVOA_N

ClientSampleId :

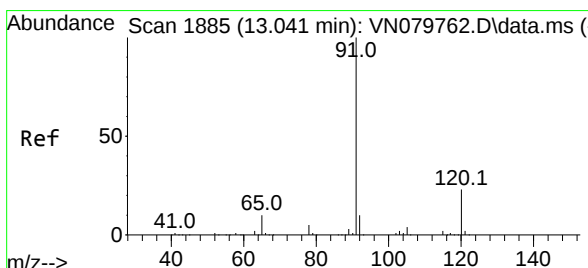
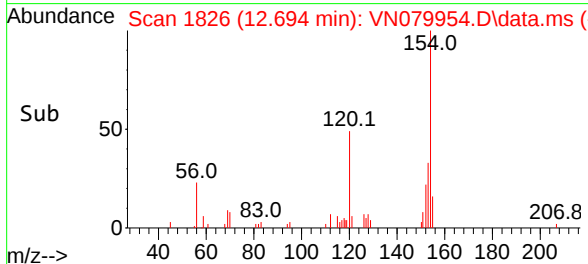
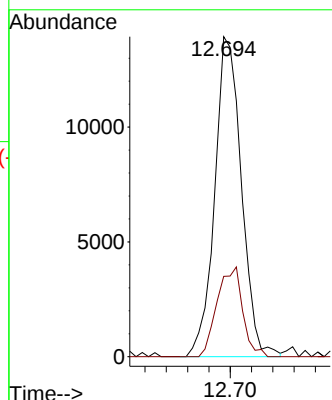
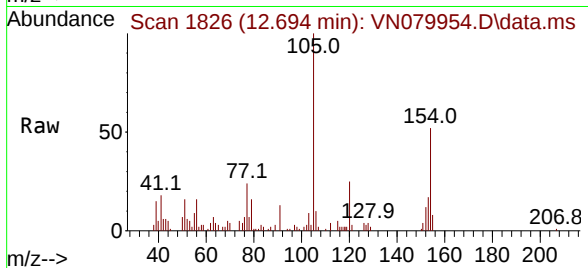
1049

Tgt Ion:105 Resp: 24265

Ion Ratio Lower Upper

105 100

120 26.7 13.1 39.1



#78

n-propylbenzene

Concen: 1.169 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN079954.D

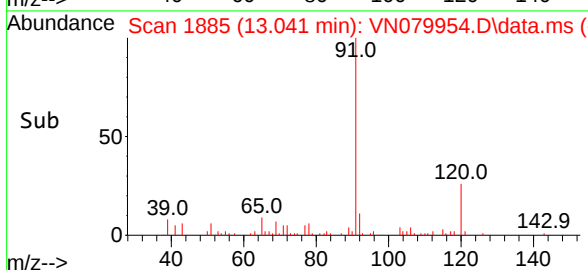
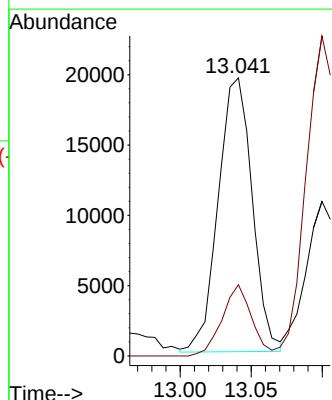
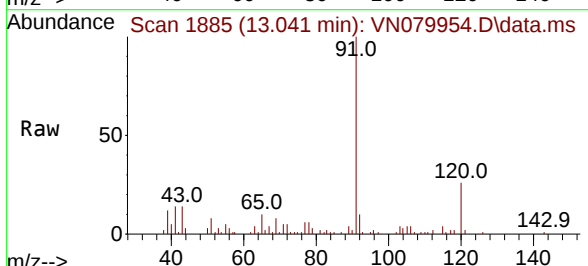
Acq: 07 Nov 2023 08:29

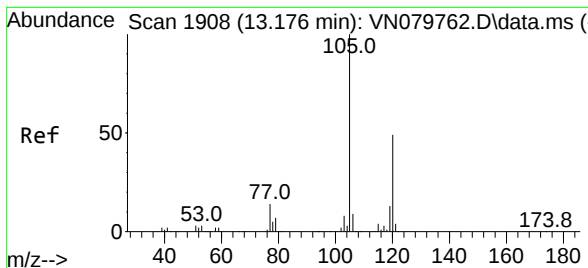
Tgt Ion: 91 Resp: 32479

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 8.844 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079954.D

Acq: 07 Nov 2023 08:29

Instrument :

MSVOA_N

ClientSampleId :

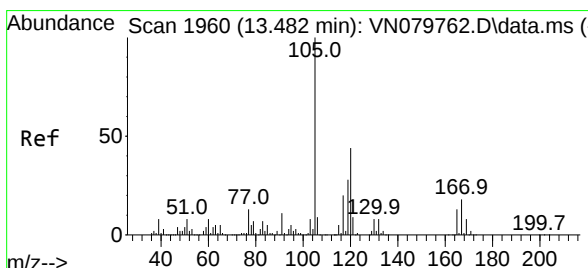
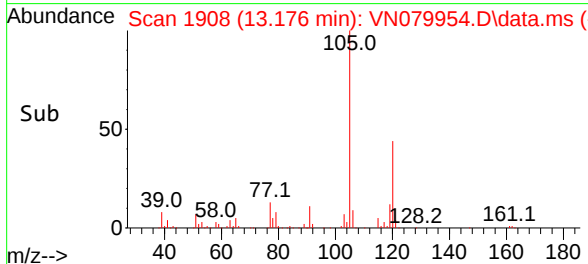
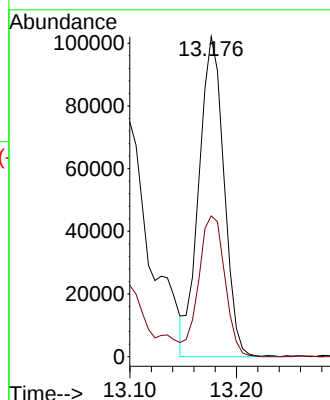
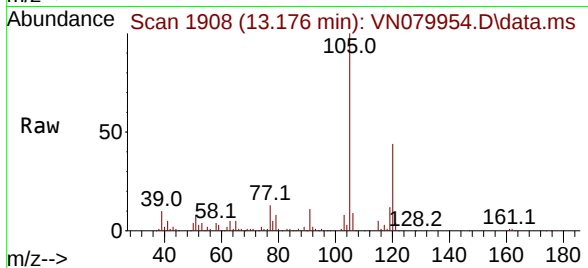
1049

Tgt Ion:105 Resp: 166904

Ion Ratio Lower Upper

105 100

120 46.2 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 29.259 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN079954.D

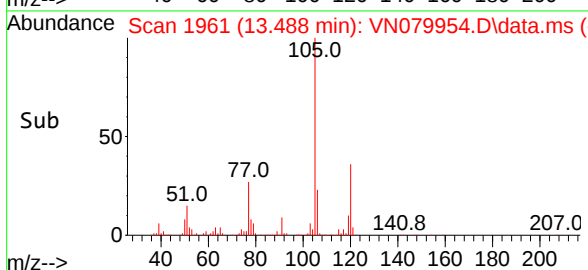
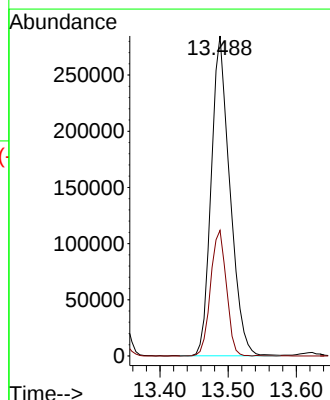
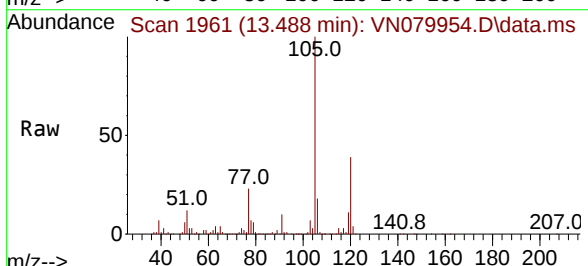
Acq: 07 Nov 2023 08:29

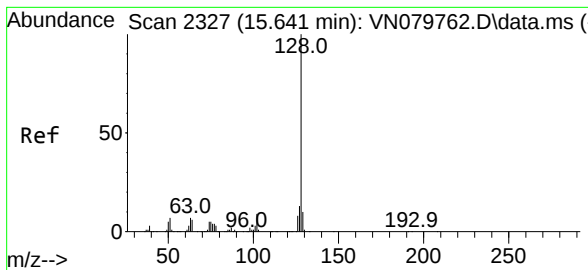
Tgt Ion:105 Resp: 543273

Ion Ratio Lower Upper

105 100

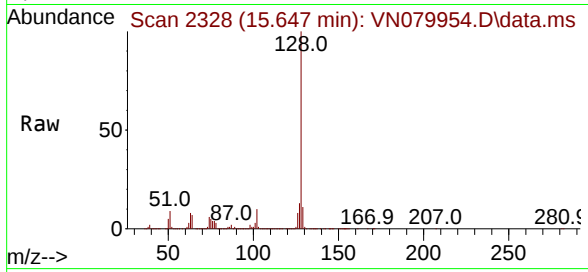
120 33.2 22.0 66.0





#95
 Naphthalene
 Concen: 735.160 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN079954.D
 Acq: 07 Nov 2023 08:29

Instrument :
 MSVOA_N
 ClientSampleId :
 1049



Tgt Ion:128 Resp:12363046

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.0	15.0
129	11.1	8.7	13.1

