

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085731.D
 Acq On : 10 Feb 2025 18:11
 Operator : JC\MD
 Sample : Q1332-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

Quant Time: Feb 11 03:27:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	247634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	449721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	407986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	197417	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	182475	45.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.300%
35) Dibromofluoromethane	8.165	113	151983	48.713	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.420%
50) Toluene-d8	10.565	98	586747	52.931	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.860%
62) 4-Bromofluorobenzene	12.847	95	210390	55.483	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.960%

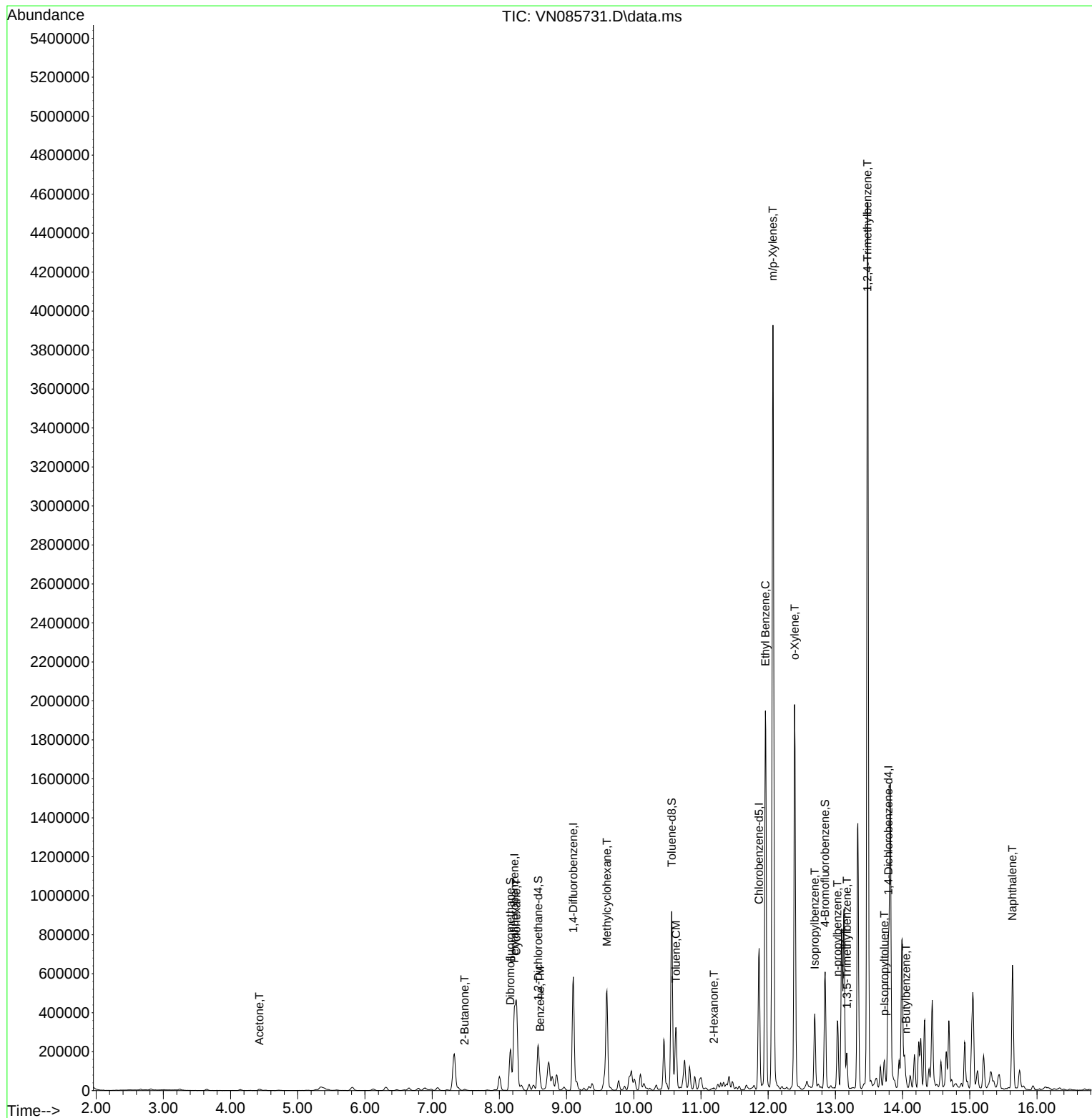
Target Compounds						Qvalue
16) Acetone	4.430	43	13633	10.555	ug/l	96
25) 2-Butanone	7.482	43	9508	5.002	ug/l	93
31) Cyclohexane	8.253	56	237463	46.809	ug/l	92
39) Methylcyclohexane	9.600	83	216393	52.589	ug/l	97
40) Benzene	8.606	78	40500	3.078	ug/l	100
52) Toluene	10.629	92	139288	18.271	ug/l	100
59) 2-Hexanone	11.194	43	6517	2.254	ug/l	65
67) Ethyl Benzene	11.959	91	1398077	96.041	ug/l	99
68) m/p-Xylenes	12.070	106	1222370	227.205	ug/l	97
69) o-Xylene	12.394	106	524660	102.044	ug/l	98
73) Isopropylbenzene	12.694	105	252081	18.919	ug/l	99
78) n-propylbenzene	13.029	91	276431	17.525	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	78174	7.103	ug/l	89
84) 1,2,4-Trimethylbenzene	13.476	105	2644466	241.083	ug/l	98
86) p-Isopropyltoluene	13.729	119	46408	4.551	ug/l	99
89) n-Butylbenzene	14.053	91	24290	2.643	ug/l #	84
95) Naphthalene	15.635	128	583530	65.796	ug/l	99

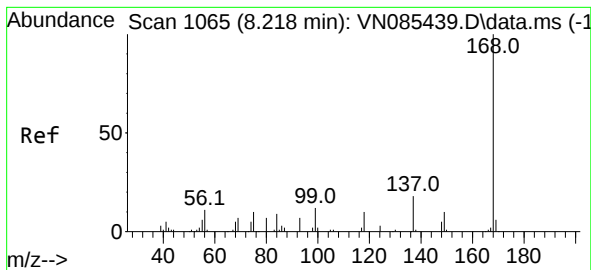
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085731.D

Acq: 10 Feb 2025 18:11

Instrument :

MSVOA_N

ClientSampleId :

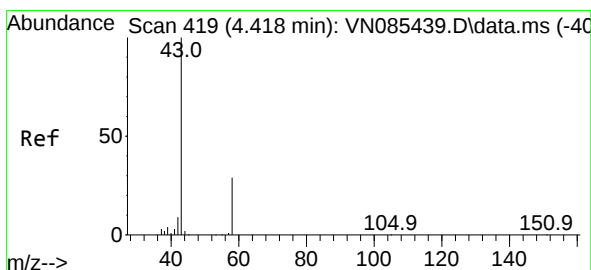
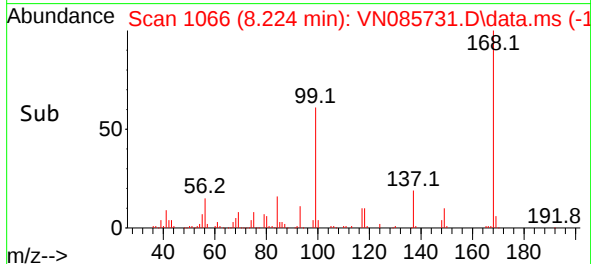
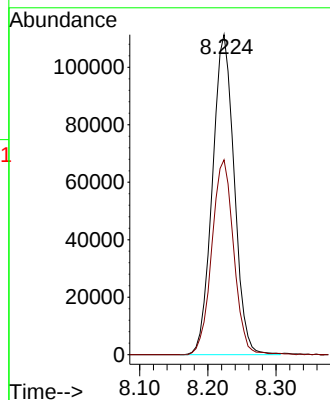
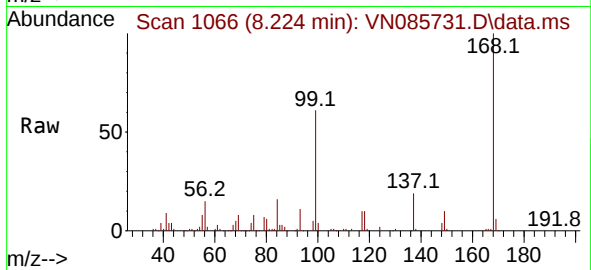
MW1

Tgt Ion:168 Resp: 247634

Ion Ratio Lower Upper

168 100

99 60.9 53.6 80.4



#16

Acetone

Concen: 10.555 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.012 min

Lab File: VN085731.D

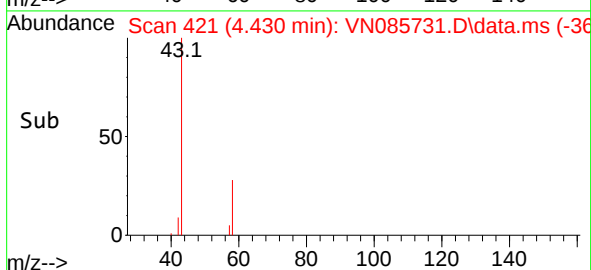
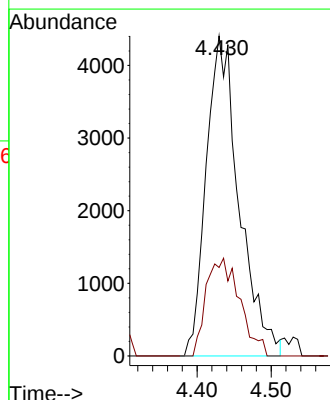
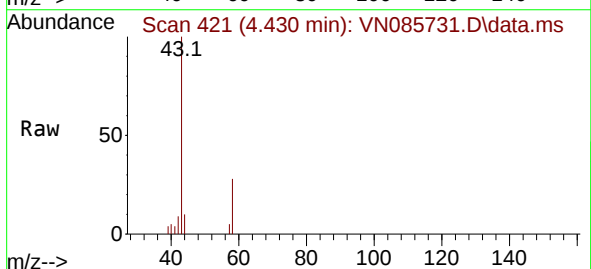
Acq: 10 Feb 2025 18:11

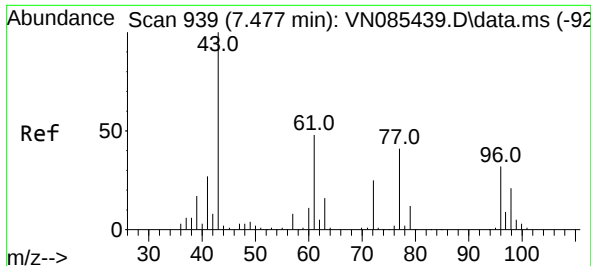
Tgt Ion: 43 Resp: 13633

Ion Ratio Lower Upper

43 100

58 27.6 23.8 35.6

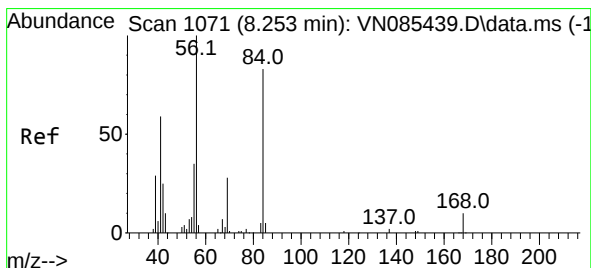
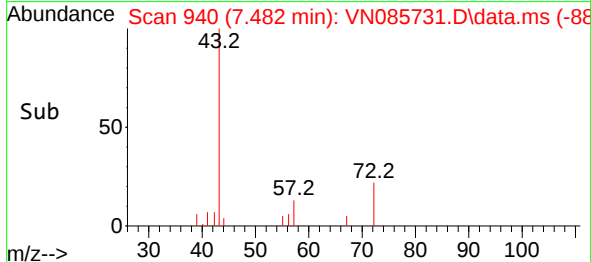
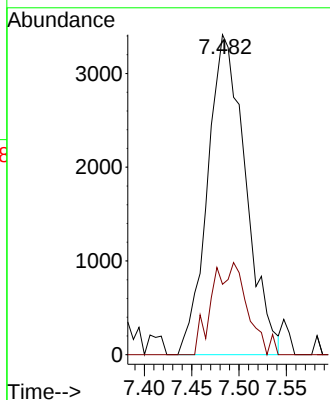
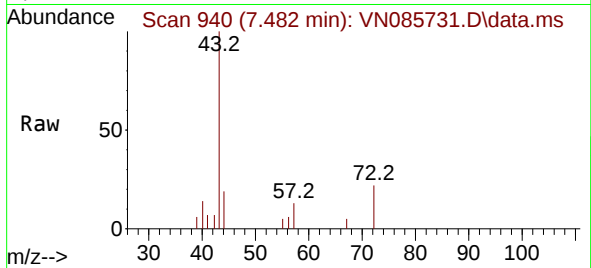




#25
2-Butanone
Concen: 5.002 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

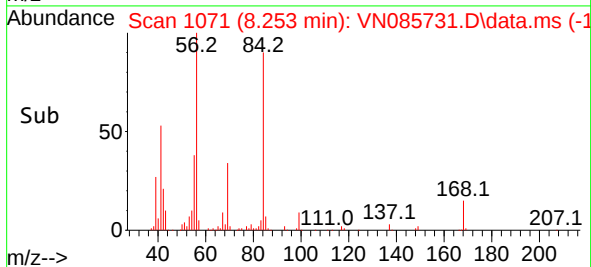
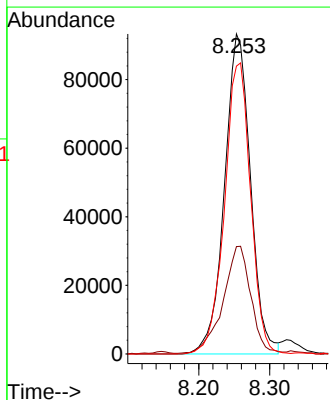
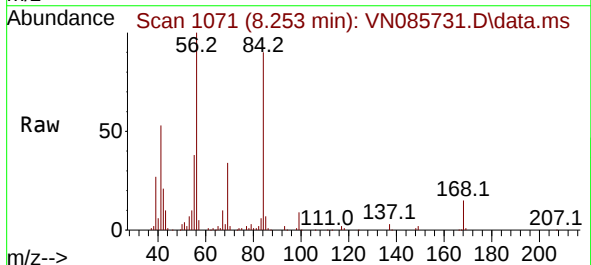
Instrument :
MSVOA_N
ClientSampleId :
MW1

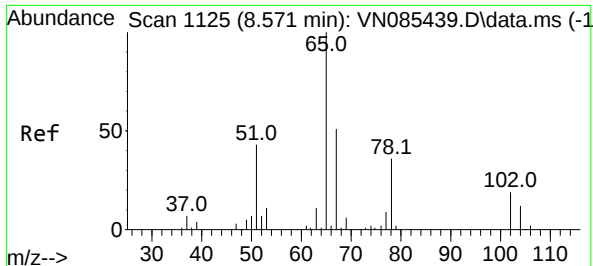
Tgt Ion: 43 Resp: 9508
Ion Ratio Lower Upper
43 100
72 22.0 20.2 30.4



#31
Cyclohexane
Concen: 46.809 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

Tgt Ion: 56 Resp: 237463
Ion Ratio Lower Upper
56 100
69 33.3 22.2 33.4
84 90.0 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 45.649 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085731.D

Acq: 10 Feb 2025 18:11

Instrument :

MSVOA_N

ClientSampleId :

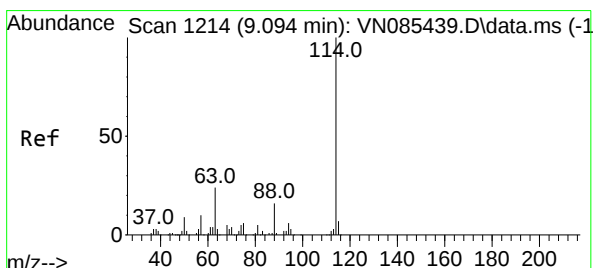
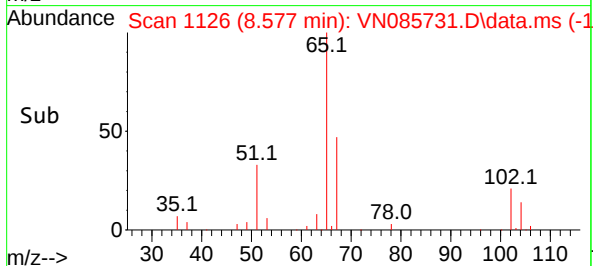
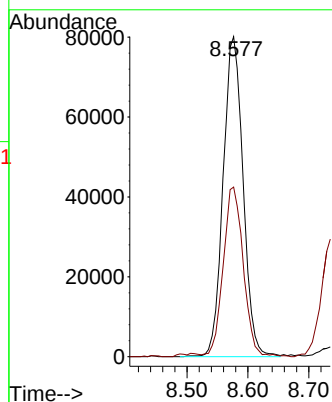
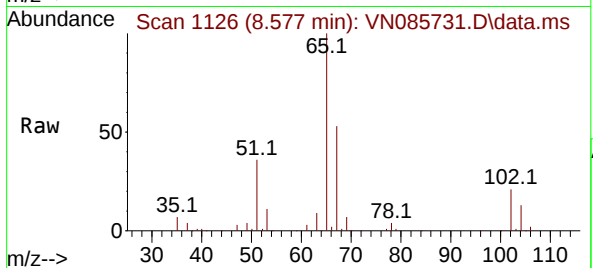
MW1

Tgt Ion: 65 Resp: 182475

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085731.D

Acq: 10 Feb 2025 18:11

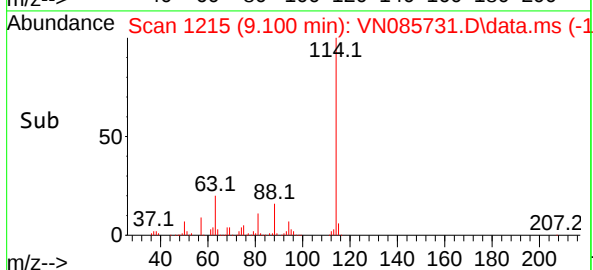
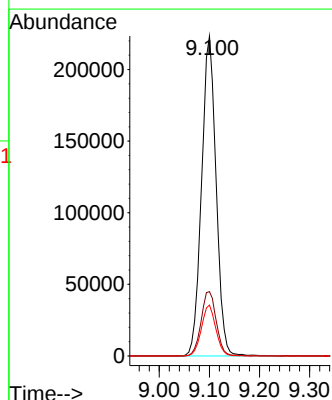
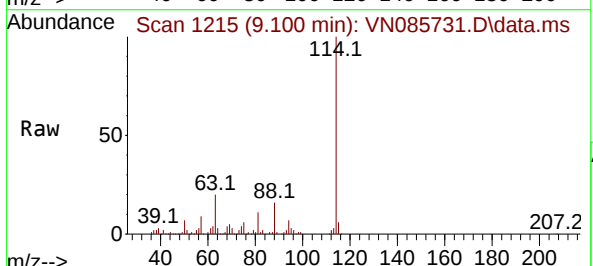
Tgt Ion: 114 Resp: 449721

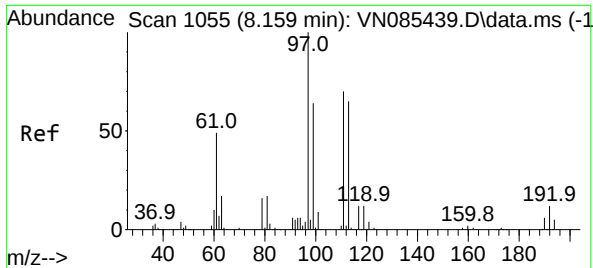
Ion Ratio Lower Upper

114 100

63 20.1 0.0 47.6

88 15.9 0.0 32.6

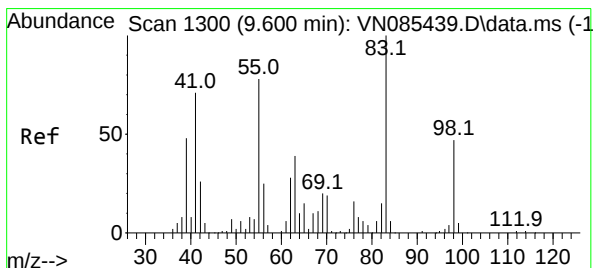
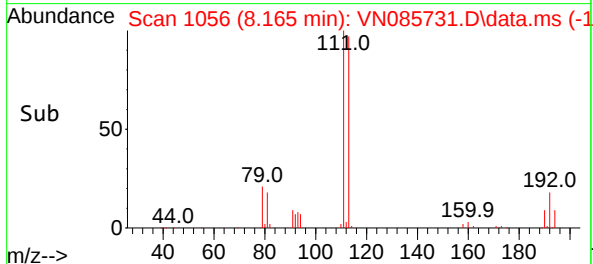
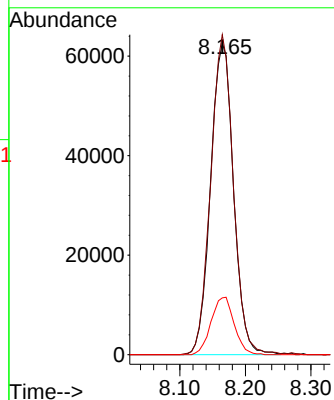
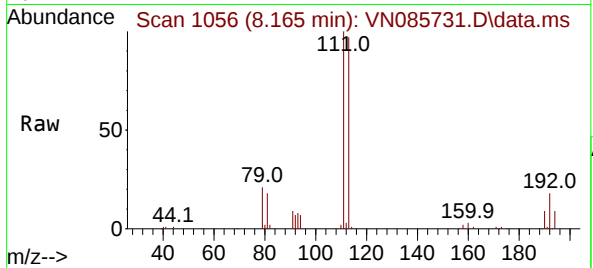




#35
Dibromofluoromethane
Concen: 48.713 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

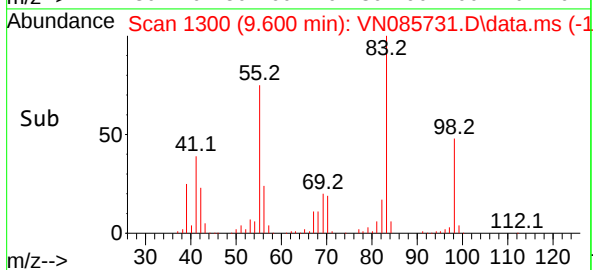
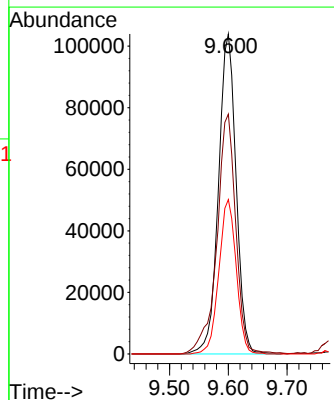
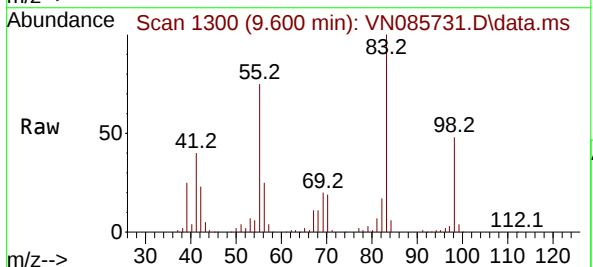
Instrument :
MSVOA_N
ClientSampleId :
MW1

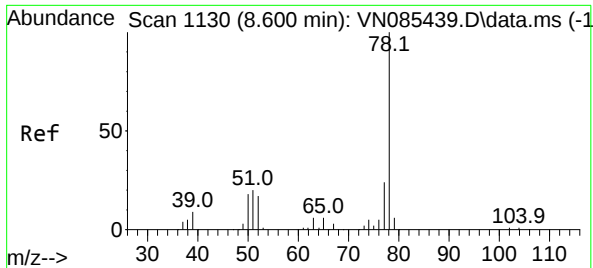
Tgt Ion:113 Resp: 151983
Ion Ratio Lower Upper
113 100
111 101.4 82.7 124.1
192 18.6 14.3 21.5



#39
Methylcyclohexane
Concen: 52.589 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

Tgt Ion: 83 Resp: 216393
Ion Ratio Lower Upper
83 100
55 74.9 62.6 94.0
98 48.2 37.7 56.5





#40

Benzene

Concen: 3.078 ug/l

RT: 8.606 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN085731.D

Acq: 10 Feb 2025 18:11

Instrument :

MSVOA_N

ClientSampleId :

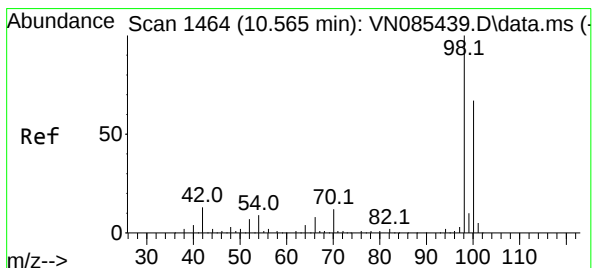
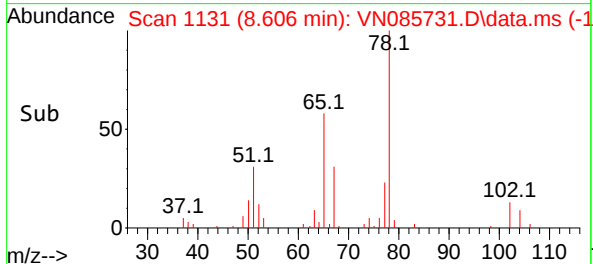
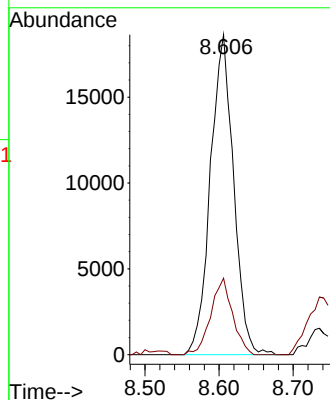
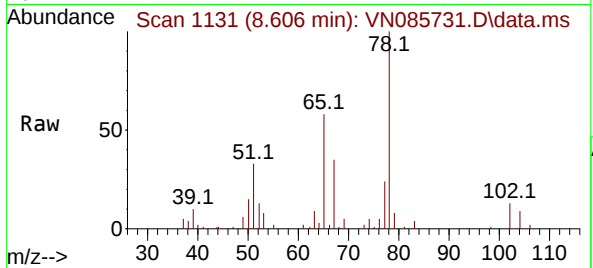
MW1

Tgt Ion: 78 Resp: 40500

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6



#50

Toluene-d8

Concen: 52.931 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085731.D

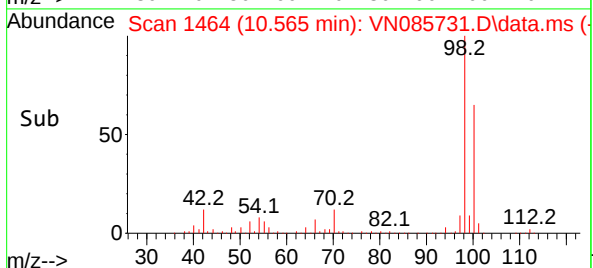
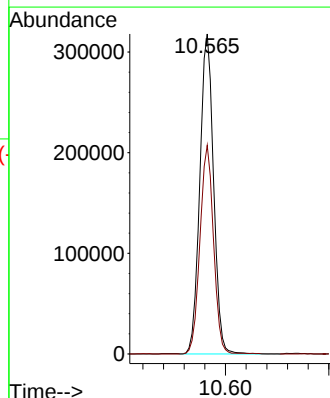
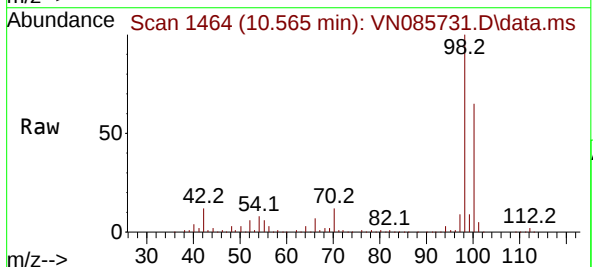
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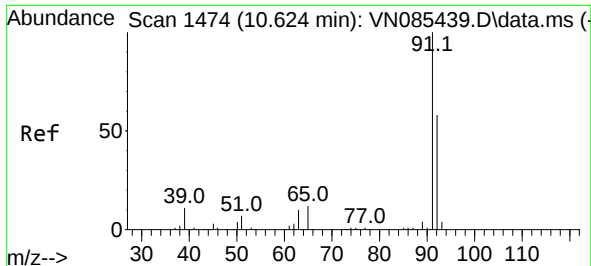
Tgt Ion: 98 Resp: 586747

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4

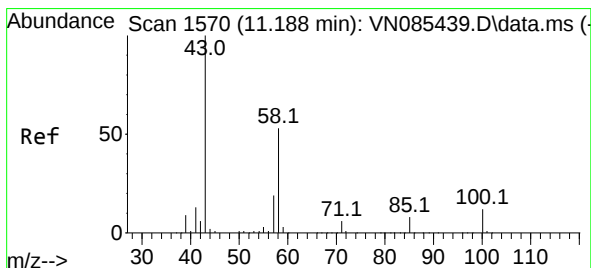
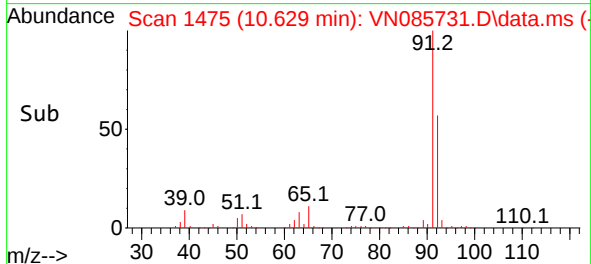
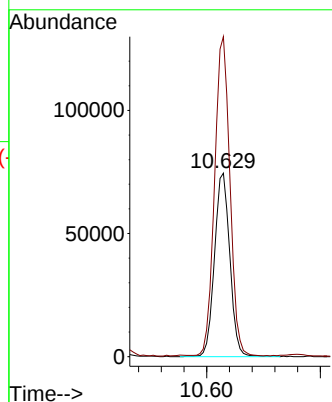
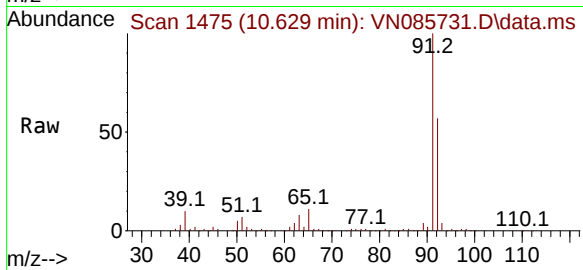




#52
Toluene
Concen: 18.271 ug/l
RT: 10.629 min Scan# 1474
Delta R.T. 0.005 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

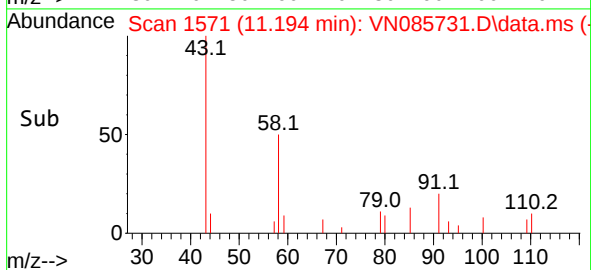
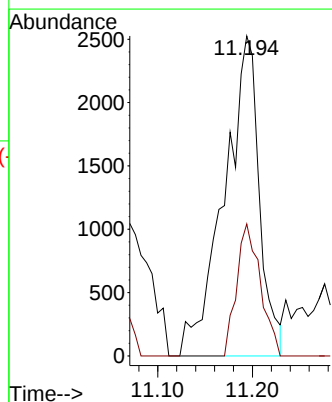
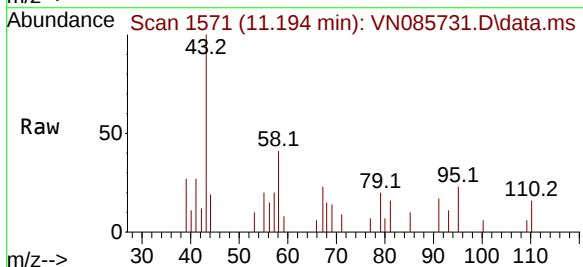
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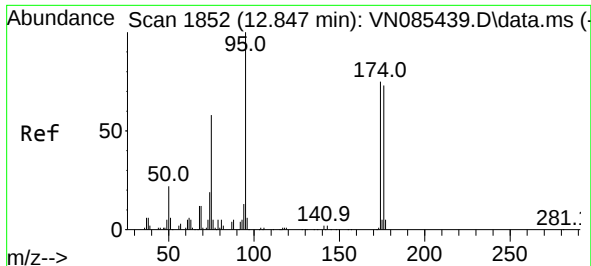
Tgt Ion: 92 Resp: 139288
Ion Ratio Lower Upper
92 100
91 173.6 139.2 208.8



#59
2-Hexanone
Concen: 2.254 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

Tgt Ion: 43 Resp: 6517
Ion Ratio Lower Upper
43 100
58 27.8 26.2 78.6

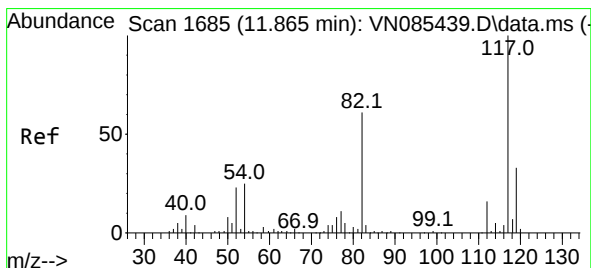
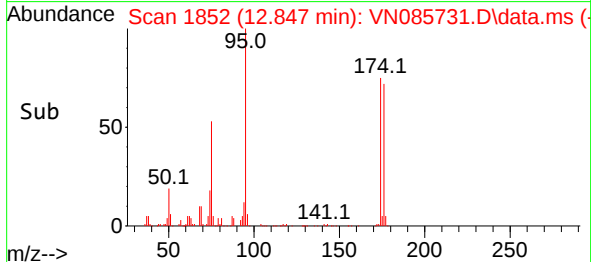
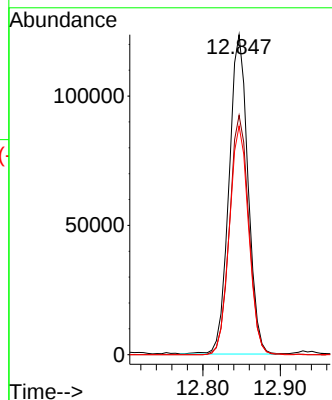
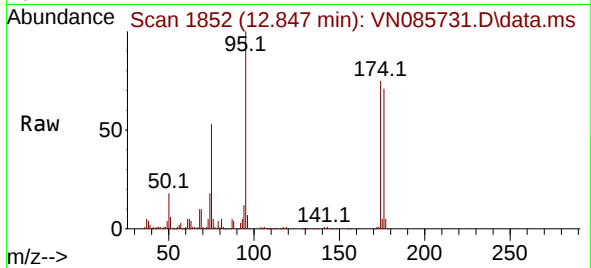




#62
4-Bromofluorobenzene
Concen: 55.483 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

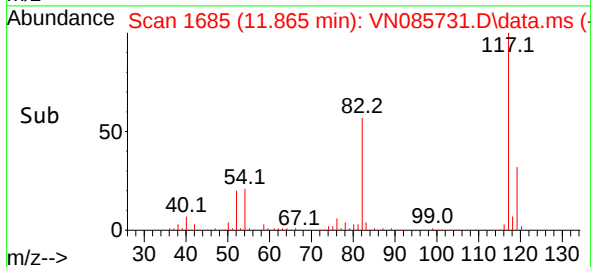
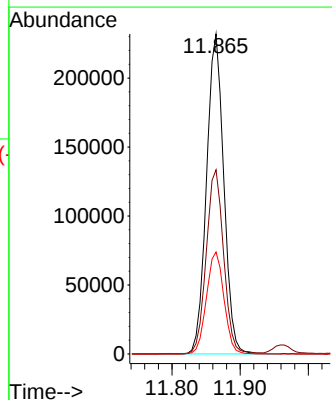
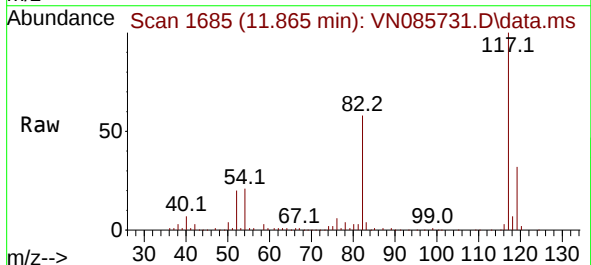
Instrument :
MSVOA_N
ClientSampleId :
MW1

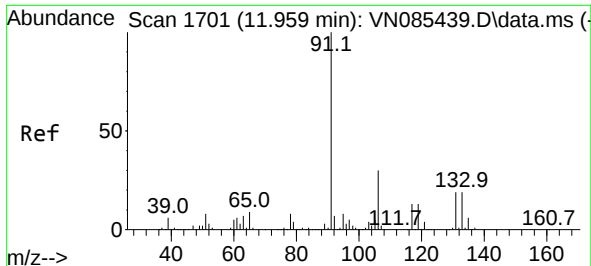
Tgt Ion: 95 Resp: 210390
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.0
176 72.7 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

Tgt Ion: 117 Resp: 407986
Ion Ratio Lower Upper
117 100
82 57.4 48.6 72.8
119 31.8 26.6 39.8

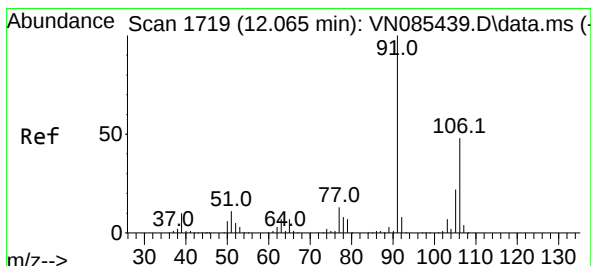
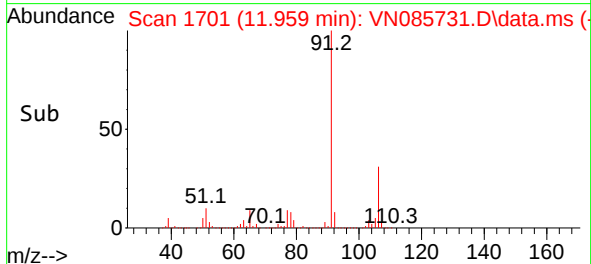
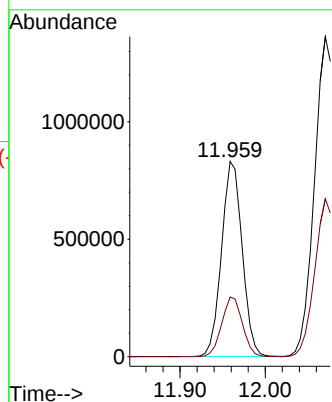
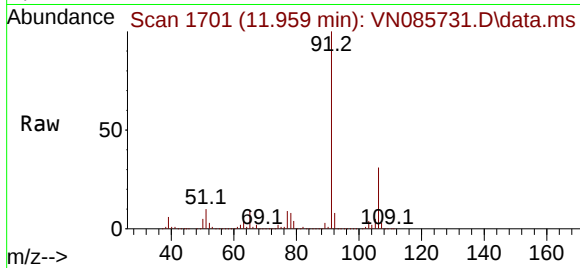




#67
Ethyl Benzene
Concen: 96.041 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

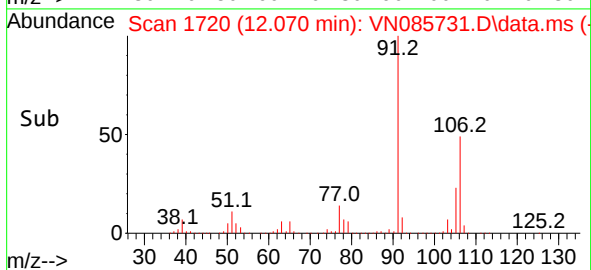
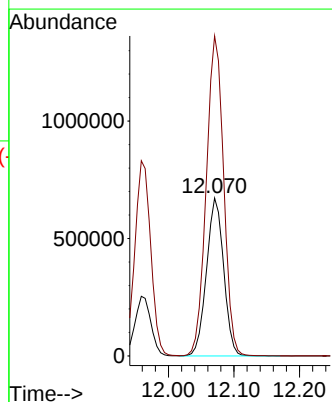
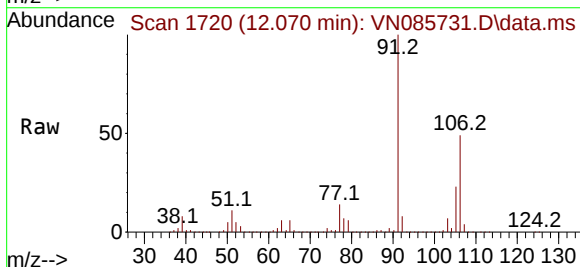
Instrument :
MSVOA_N
ClientSampleId :
MW1

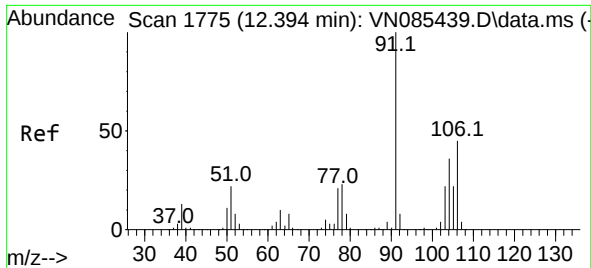
Tgt Ion: 91 Resp: 1398077
Ion Ratio Lower Upper
91 100
106 30.6 23.8 35.8



#68
m/p-Xylenes
Concen: 227.205 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

Tgt Ion:106 Resp: 1222370
Ion Ratio Lower Upper
106 100
91 205.2 167.7 251.5

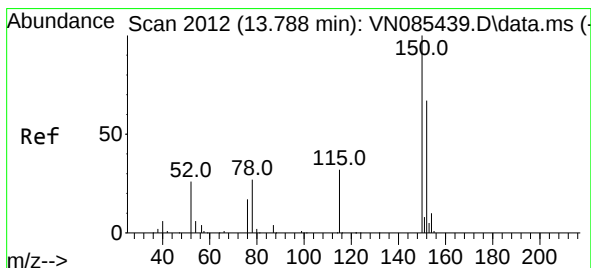
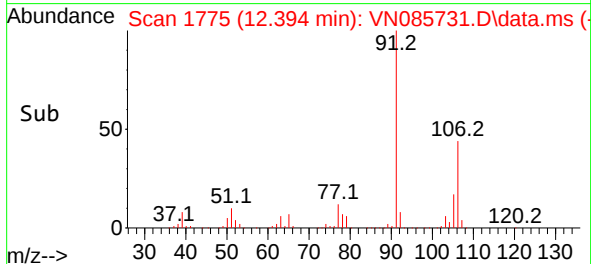
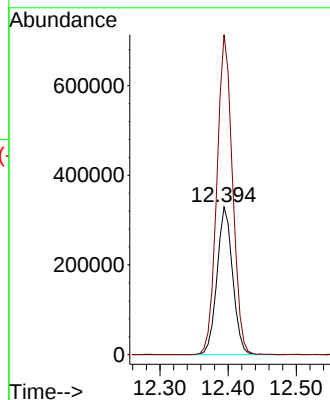
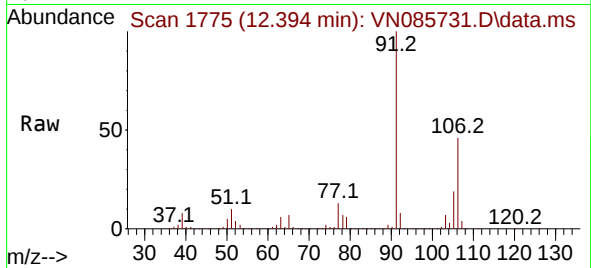




#69
o-Xylene
Concen: 102.044 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

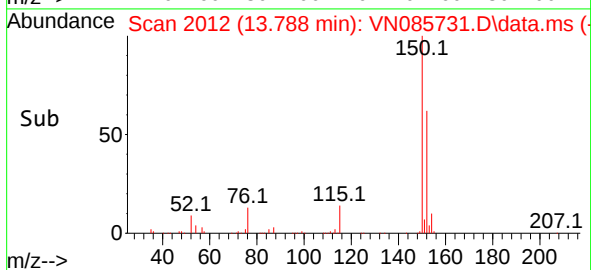
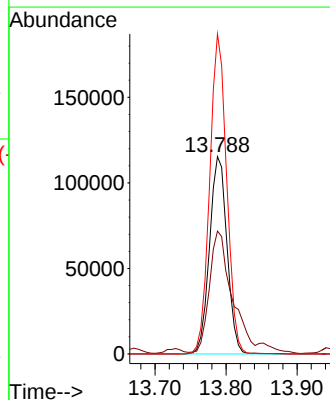
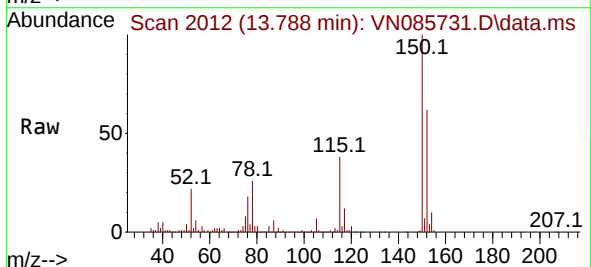
Instrument :
MSVOA_N
ClientSampleId :
MW1

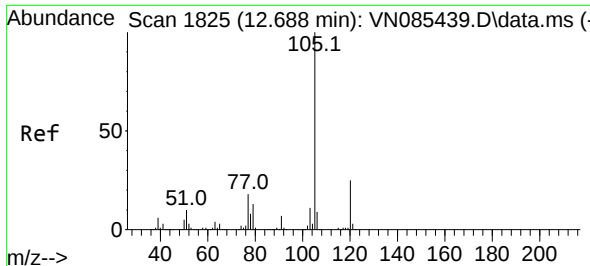
Tgt Ion:106 Resp: 524660
Ion Ratio Lower Upper
106 100
91 217.3 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

Tgt Ion:152 Resp: 197417
Ion Ratio Lower Upper
152 100
115 78.0 31.1 93.3
150 157.2 0.0 343.6

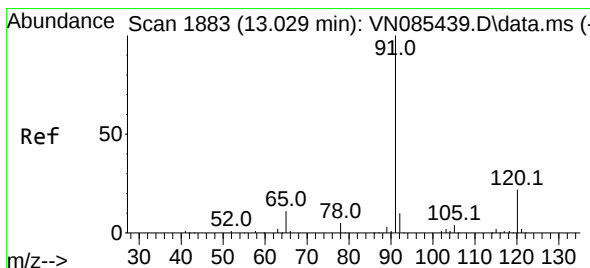
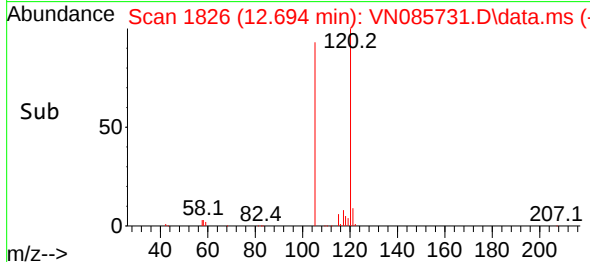
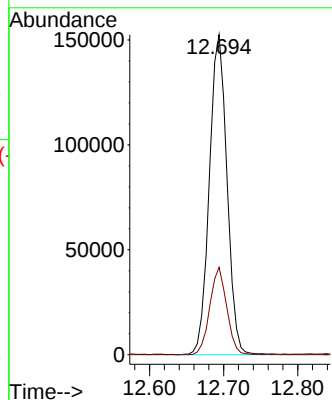
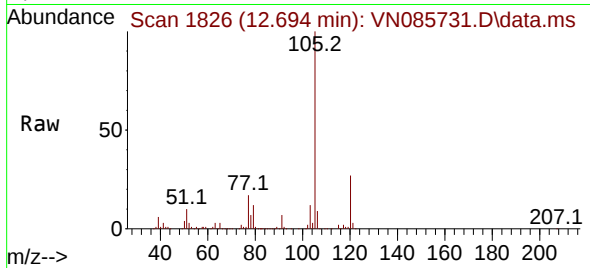




#73
Isopropylbenzene
Concen: 18.919 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

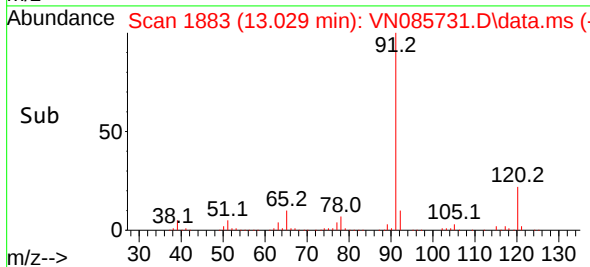
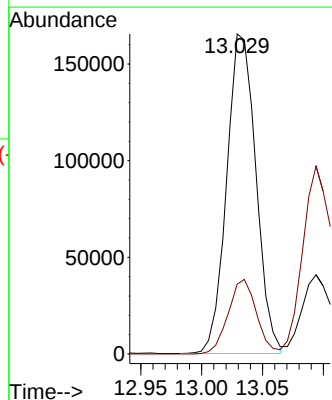
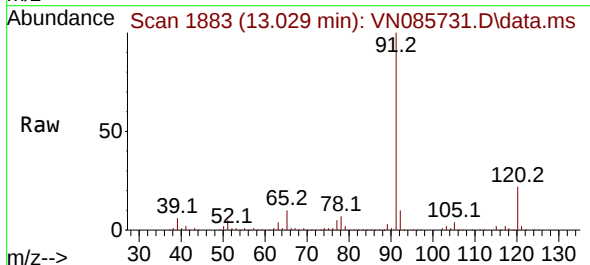
Instrument :
MSVOA_N
ClientSampleId :
MW1

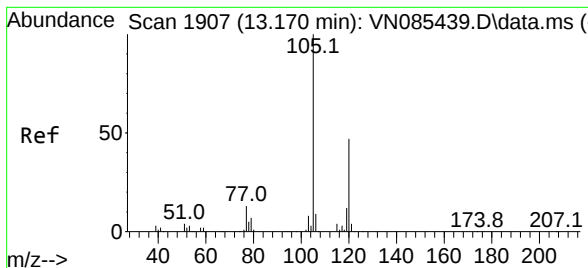
Tgt Ion:105 Resp: 252081
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.3



#78
n-propylbenzene
Concen: 17.525 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

Tgt Ion: 91 Resp: 276431
Ion Ratio Lower Upper
91 100
120 22.6 10.9 32.6





#80

1,3,5-Trimethylbenzene

Concen: 7.103 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085731.D

Acq: 10 Feb 2025 18:11

Instrument :

MSVOA_N

ClientSampleId :

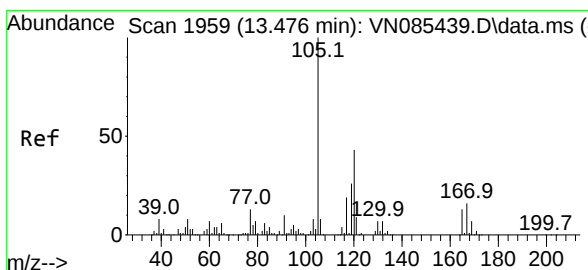
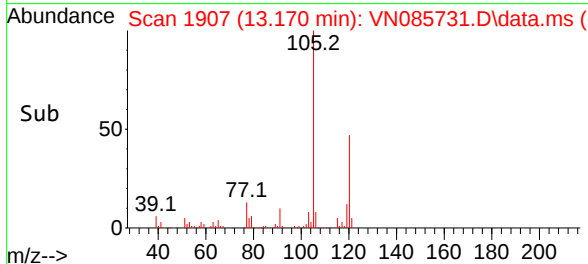
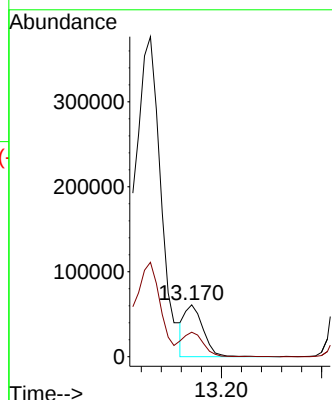
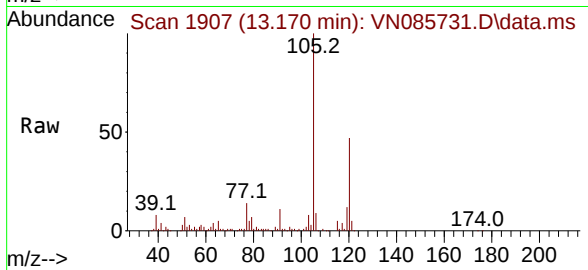
MW1

Tgt Ion:105 Resp: 78174

Ion Ratio Lower Upper

105 100

120 55.0 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 241.083 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN085731.D

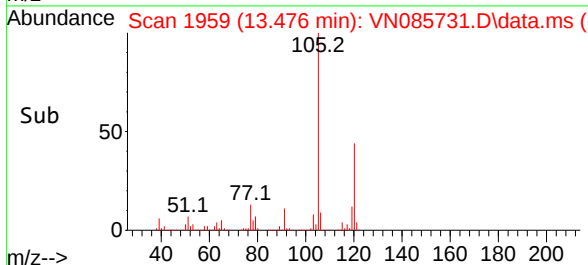
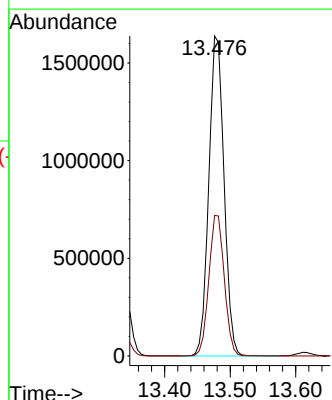
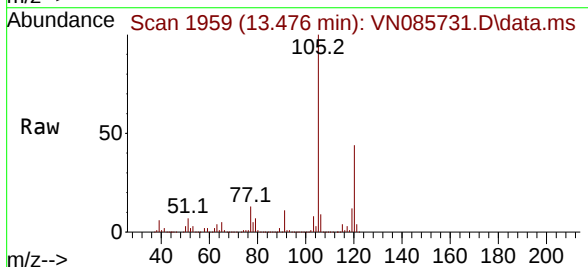
Acq: 10 Feb 2025 18:11

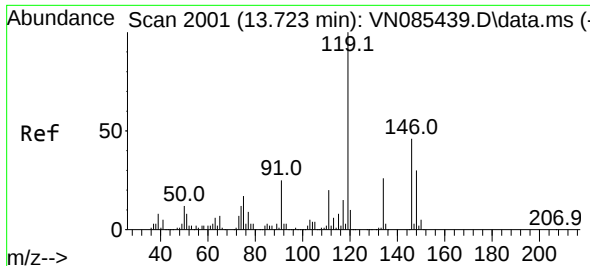
Tgt Ion:105 Resp: 2644466

Ion Ratio Lower Upper

105 100

120 44.6 21.6 65.0

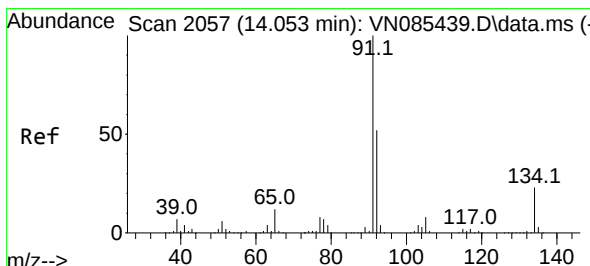
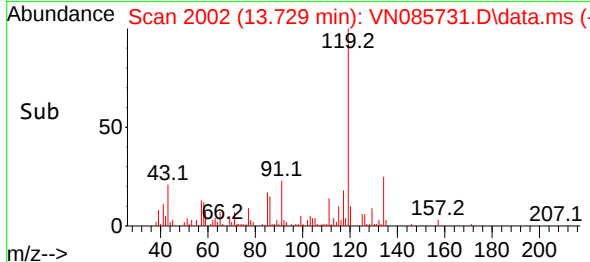
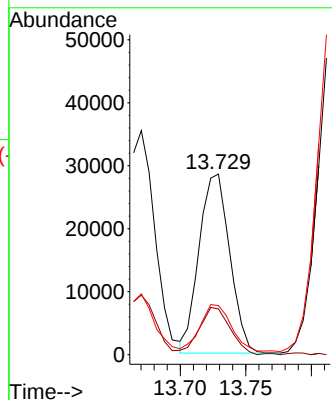
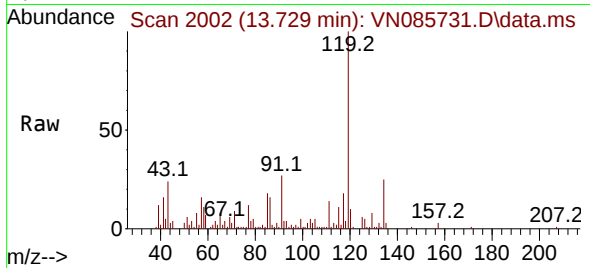




#86
p-Isopropyltoluene
Concen: 4.551 ug/l
RT: 13.729 min Scan# 2001
Delta R.T. 0.006 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

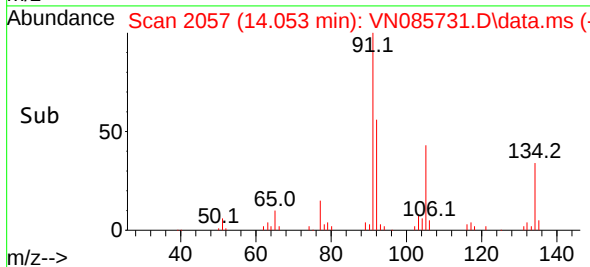
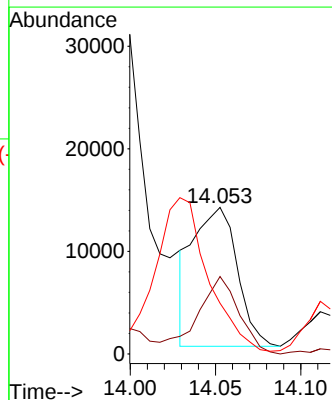
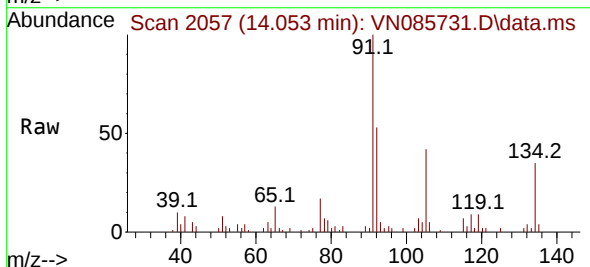
Instrument :
MSVOA_N
ClientSampleId :
MW1

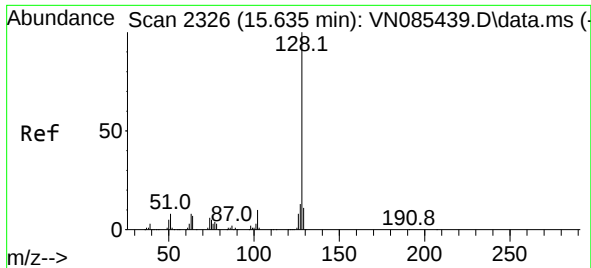
Tgt Ion:119 Resp: 46408
Ion Ratio Lower Upper
119 100
134 25.9 12.7 38.0
91 25.7 12.7 38.1



#89
n-Butylbenzene
Concen: 2.643 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085731.D
Acq: 10 Feb 2025 18:11

Tgt Ion: 91 Resp: 24290
Ion Ratio Lower Upper
91 100
92 52.7 25.8 77.3
134 0.0 11.7 35.1#





#95

Naphthalene

Concen: 65.796 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085731.D

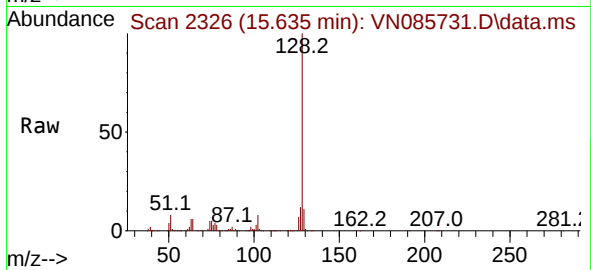
Acq: 10 Feb 2025 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW1



Tgt Ion:128 Resp: 583530

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.6 8.8 13.2

