

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085641.D
 Acq On : 03 Feb 2025 22:49
 Operator : JC\MD
 Sample : Q1219-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LAW-25-0015

Quant Time: Feb 04 01:01:36 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)

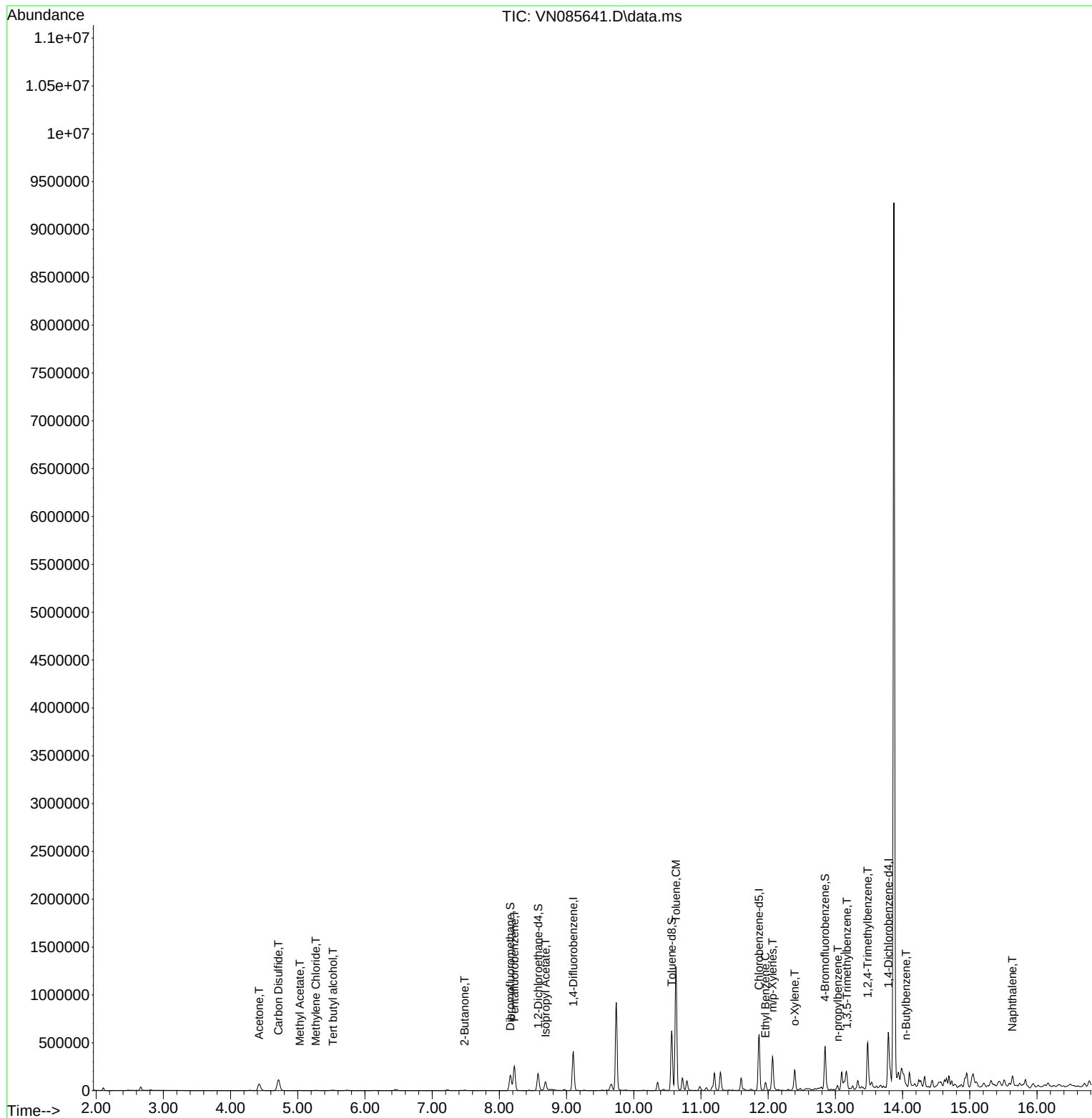
Internal Standards						
1) Pentafluorobenzene	8.224	168	172356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	154550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140183	50.386	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.780%			
35) Dibromofluoromethane	8.165	113	116394	49.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.380%			
50) Toluene-d8	10.565	98	437111	51.988	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.980%			
62) 4-Bromofluorobenzene	12.847	95	158019	54.941	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.880%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	8624	27.070	ug/l #	91
16) Acetone	4.424	43	128052	142.447	ug/l	95
17) Carbon Disulfide	4.712	76	258422	45.374	ug/l	97
18) Methyl Acetate	5.030	43	4910	1.796	ug/l	95
20) Methylene Chloride	5.271	84	2491	1.119	ug/l #	65
25) 2-Butanone	7.483	43	9651	7.295	ug/l #	83
43) Isopropyl Acetate	8.688	43	107992	20.104	ug/l #	87
52) Toluene	10.629	92	573986	99.267	ug/l	100
67) Ethyl Benzene	11.959	91	58630	4.982	ug/l	99
68) m/p-Xylenes	12.065	106	95464	21.948	ug/l	95
69) o-Xylene	12.394	106	55830	13.431	ug/l	98
78) n-propylbenzene	13.035	91	33952	2.750	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	58625	6.804	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	277715	32.340	ug/l	99
89) n-Butylbenzene	14.053	91	12137	1.687	ug/l #	74
95) Naphthalene	15.635	128	110466	15.910	ug/l	97

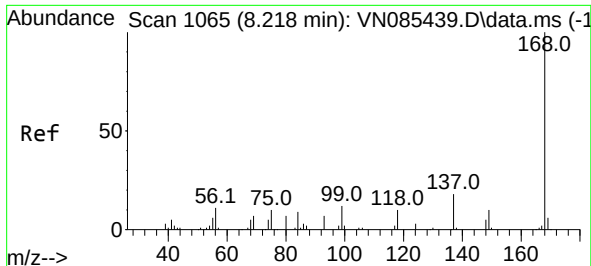
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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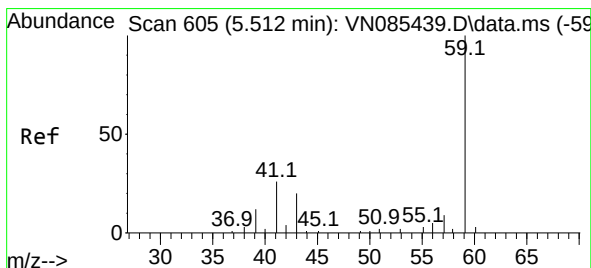
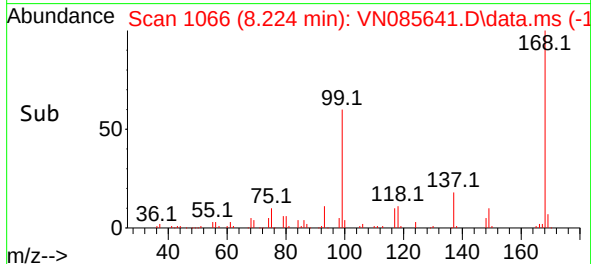
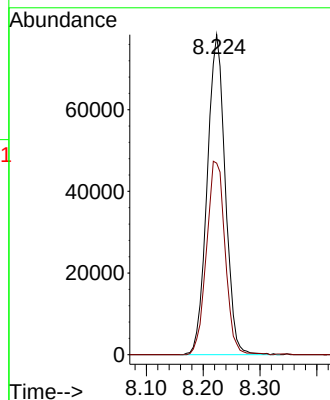
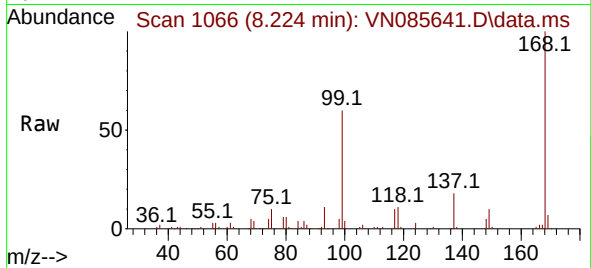




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

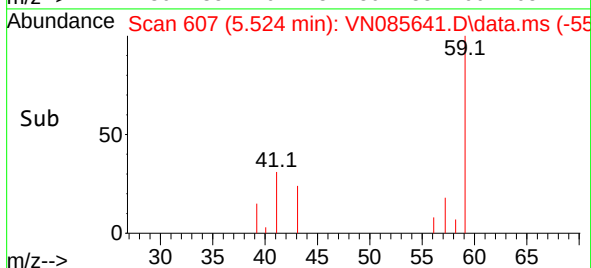
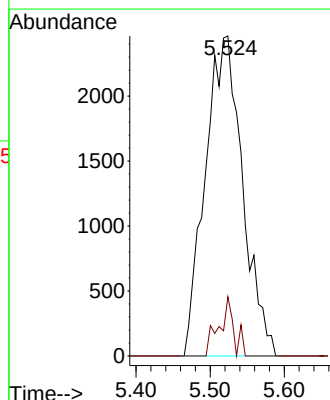
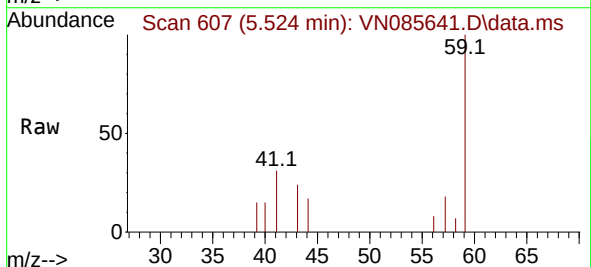
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0015

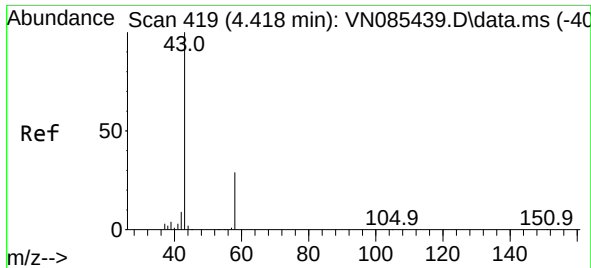
Tgt Ion:168 Resp: 172356
Ion Ratio Lower Upper
168 100
99 59.9 53.6 80.4



#11
Tert butyl alcohol
Concen: 27.070 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

Tgt Ion: 59 Resp: 8624
Ion Ratio Lower Upper
59 100
57 7.4 8.6 13.0#

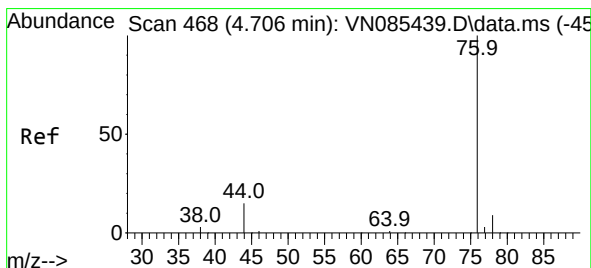
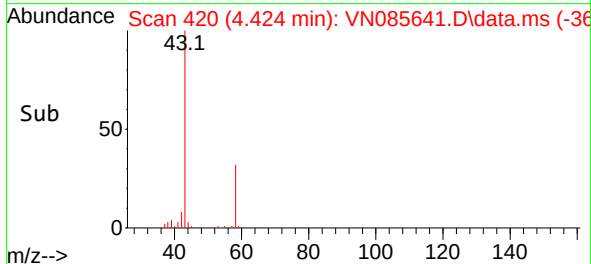
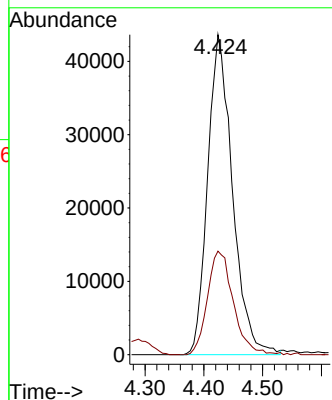
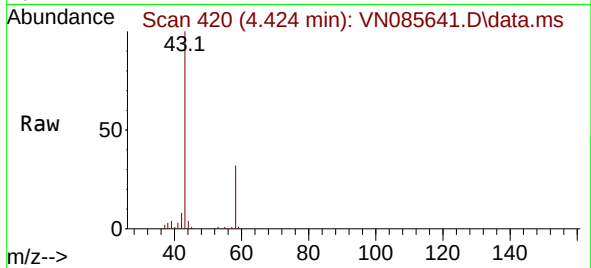




#16
Acetone
Concen: 142.447 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

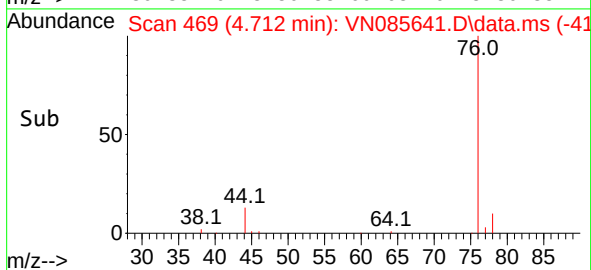
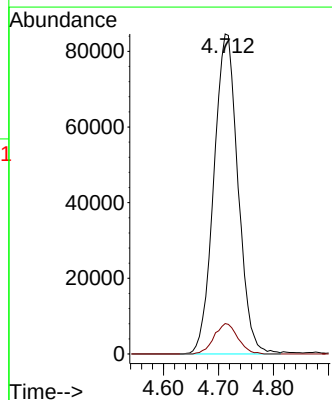
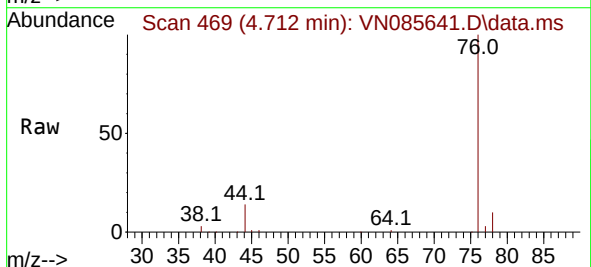
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0015

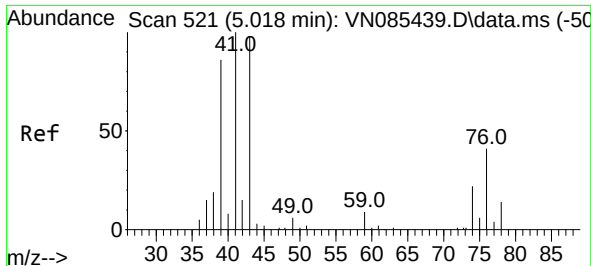
Tgt Ion: 43 Resp: 128052
Ion Ratio Lower Upper
43 100
58 32.4 23.8 35.6



#17
Carbon Disulfide
Concen: 45.374 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

Tgt Ion: 76 Resp: 258422
Ion Ratio Lower Upper
76 100
78 9.5 6.9 10.3

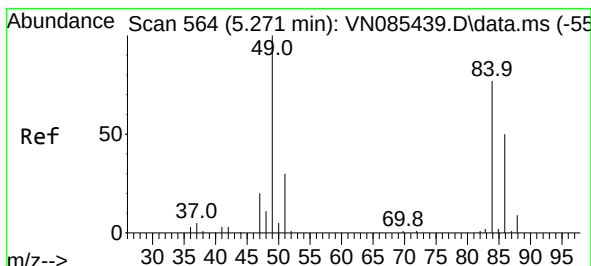
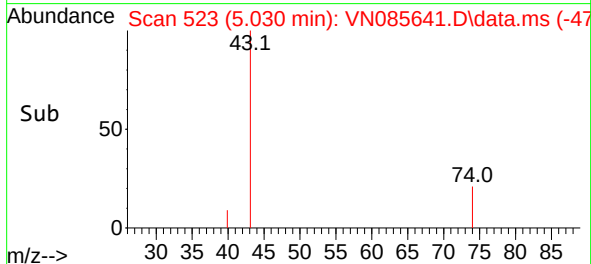
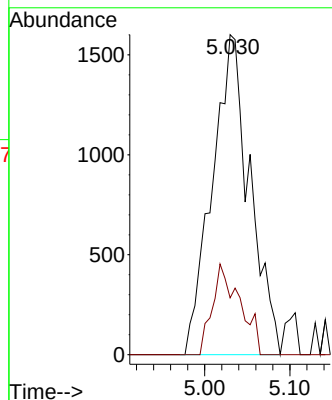
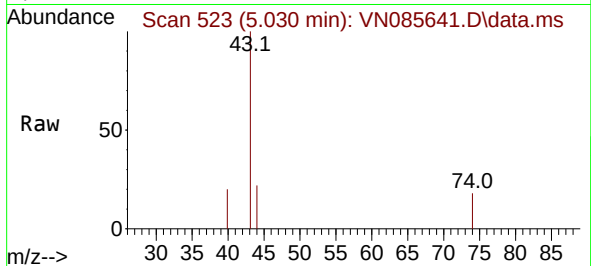




#18
Methyl Acetate
Concen: 1.796 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

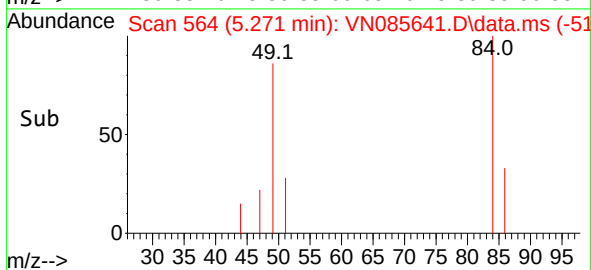
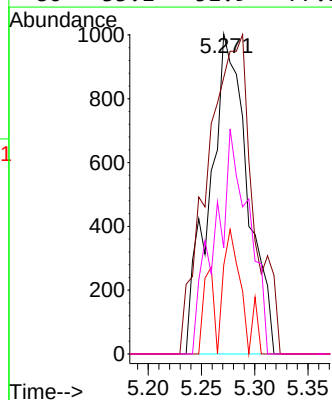
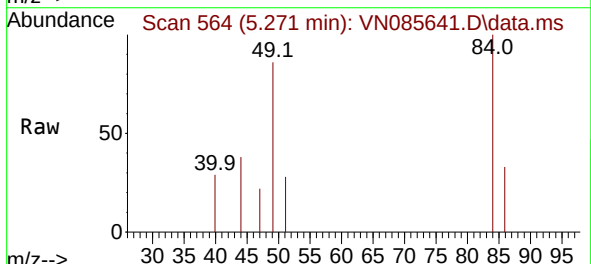
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0015

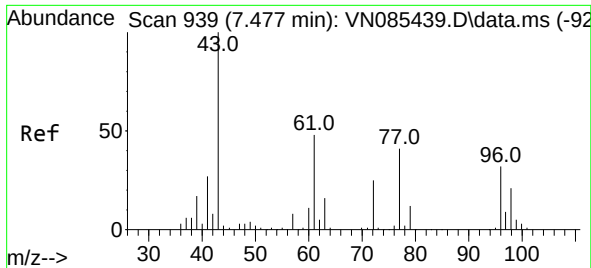
Tgt Ion: 43 Resp: 4910
Ion Ratio Lower Upper
43 100
74 20.7 18.6 28.0



#20
Methylene Chloride
Concen: 1.119 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

Tgt Ion: 84 Resp: 2491
Ion Ratio Lower Upper
84 100
49 86.3 104.1 156.1#
51 27.7 31.0 46.4#
86 33.1 51.9 77.9#

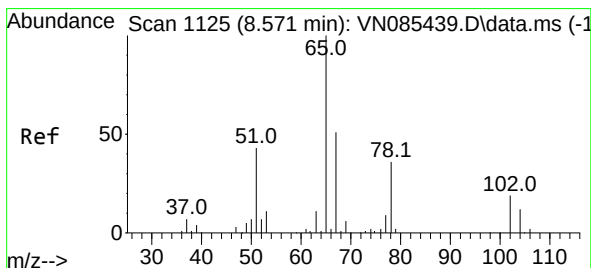
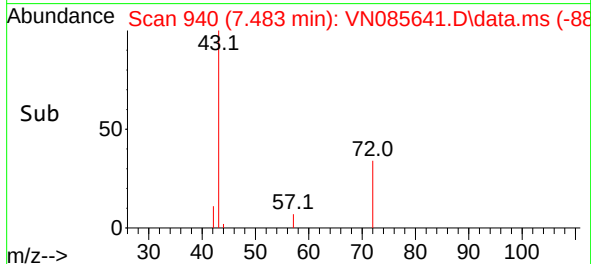
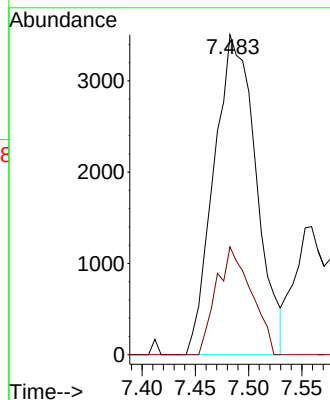
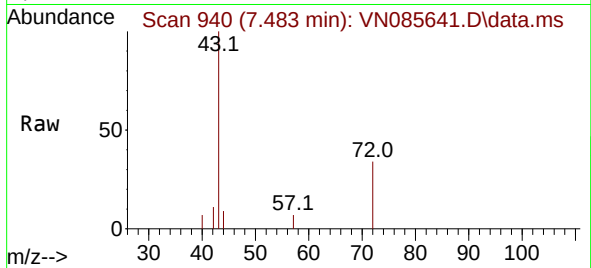




#25
2-Butanone
Concen: 7.295 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

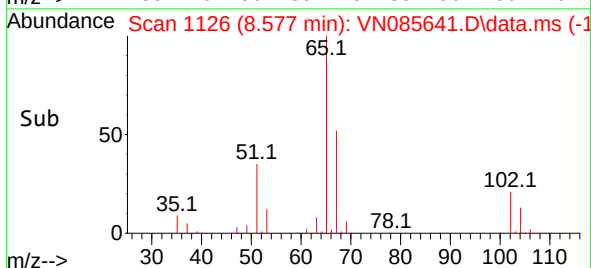
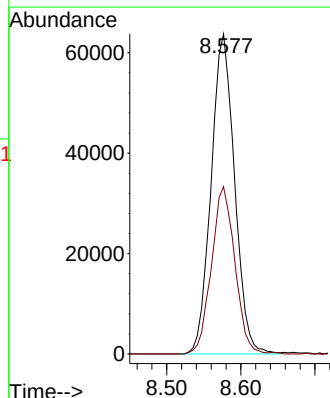
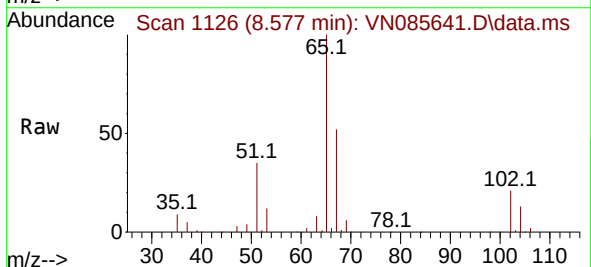
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0015

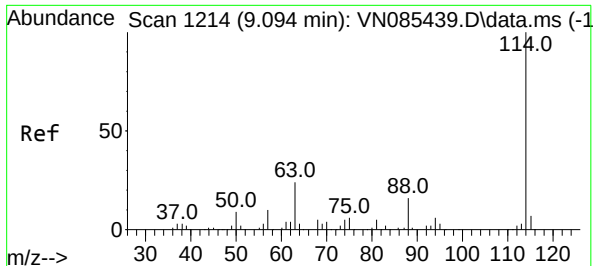
Tgt Ion: 43 Resp: 9651
Ion Ratio Lower Upper
43 100
72 33.7 20.2 30.4#



#33
1,2-Dichloroethane-d4
Concen: 50.386 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

Tgt Ion: 65 Resp: 140183
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085641.D

Acq: 03 Feb 2025 22:49

Instrument :

MSVOA_N

ClientSampleId :

LAW-25-0015

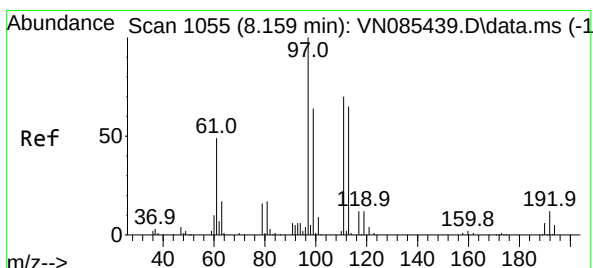
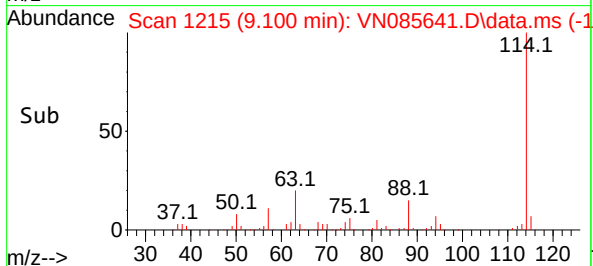
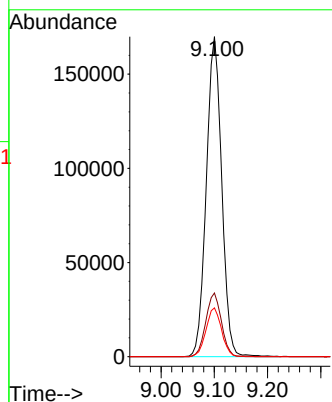
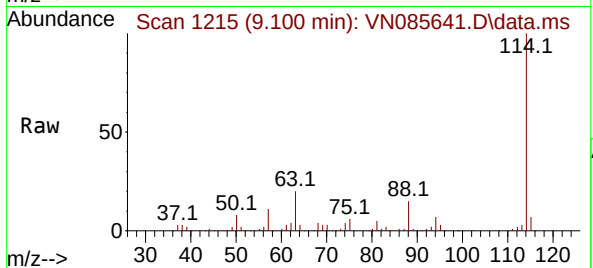
Tgt Ion:114 Resp: 341108

Ion Ratio Lower Upper

114 100

63 19.9 0.0 47.6

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.185 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085641.D

Acq: 03 Feb 2025 22:49

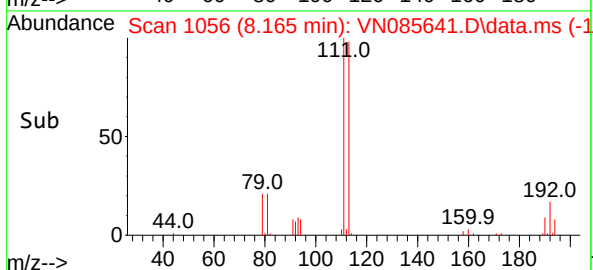
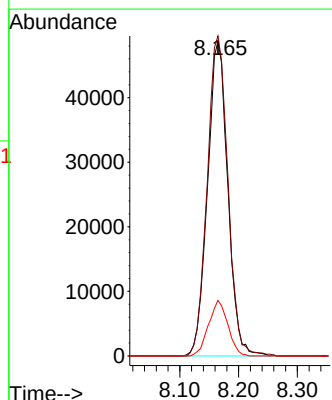
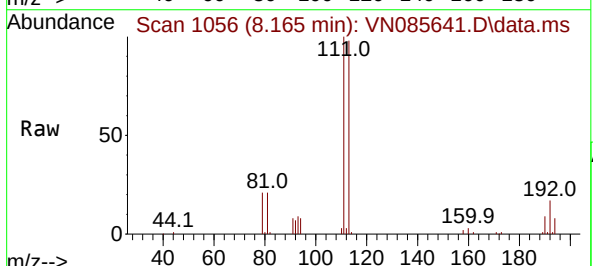
Tgt Ion:113 Resp: 116394

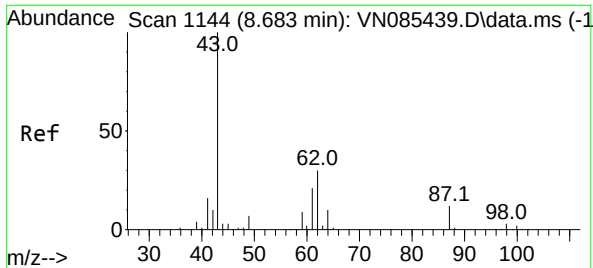
Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

192 16.9 14.3 21.5

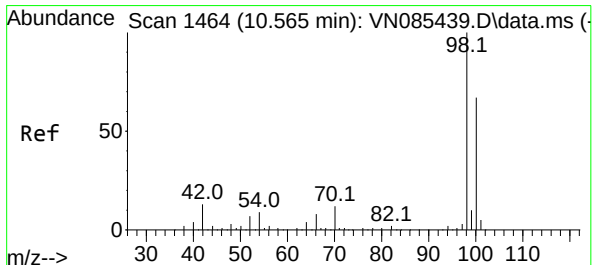
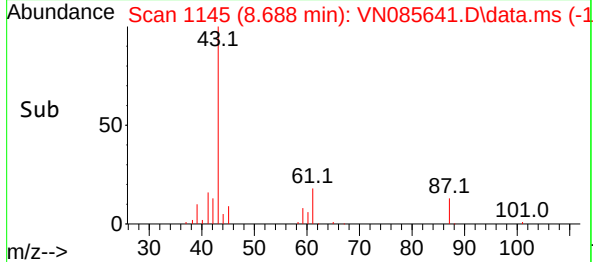
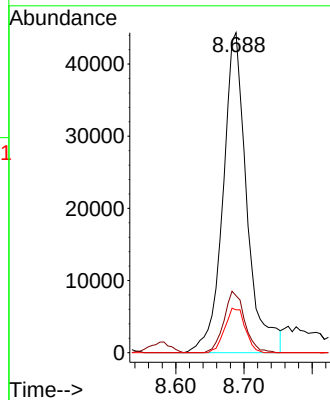
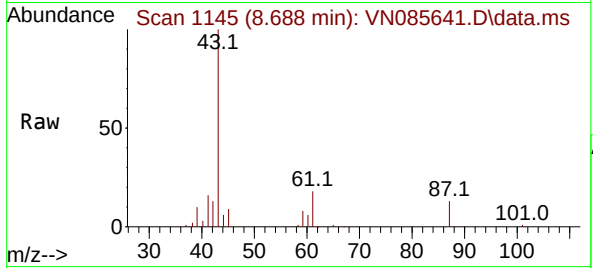




#43
Isopropyl Acetate
Concen: 20.104 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

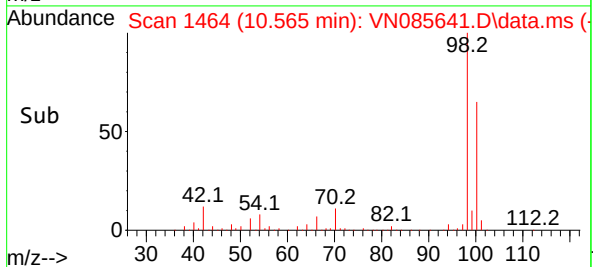
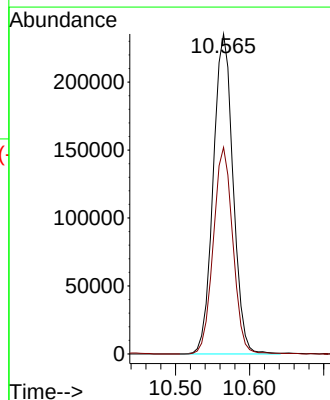
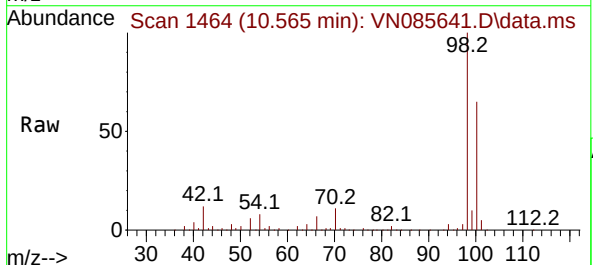
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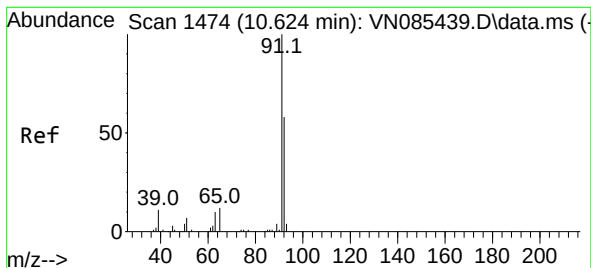
Tgt Ion: 43 Resp: 107992
Ion Ratio Lower Upper
43 100
61 16.7 20.7 31.1#
87 11.9 9.8 14.8



#50
Toluene-d8
Concen: 51.988 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

Tgt Ion: 98 Resp: 437111
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.4





#52

Toluene

Concen: 99.267 ug/l

RT: 10.629 min Scan# 1474

Delta R.T. 0.005 min

Lab File: VN085641.D

Acq: 03 Feb 2025 22:49

Instrument :

MSVOA_N

ClientSampleId :

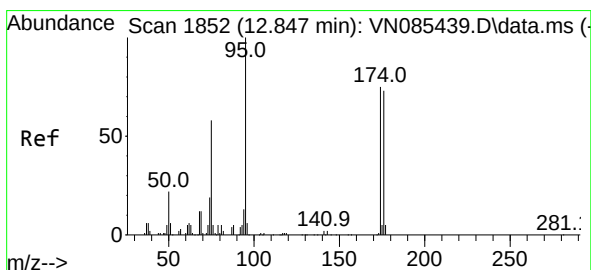
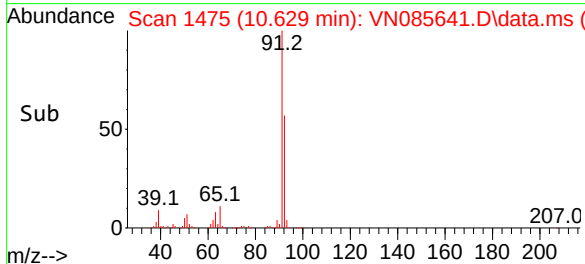
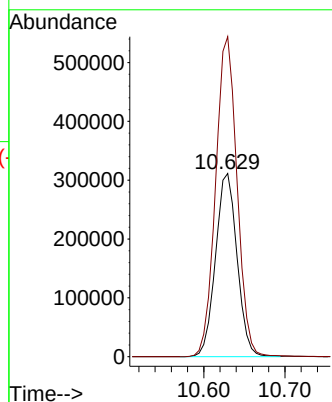
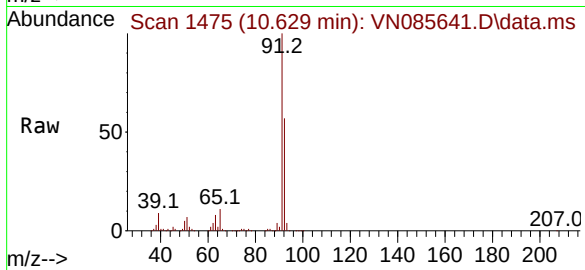
LAW-25-0015

Tgt Ion: 92 Resp: 573986

Ion Ratio Lower Upper

92 100

91 174.1 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 54.941 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085641.D

Acq: 03 Feb 2025 22:49

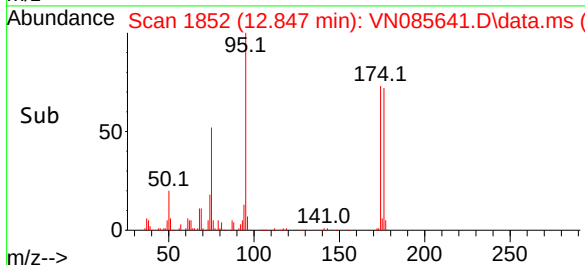
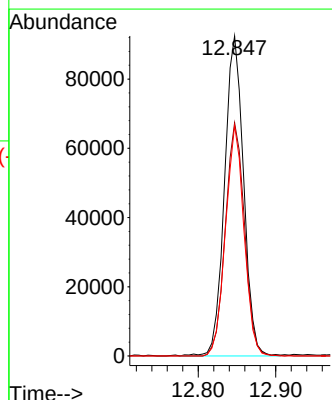
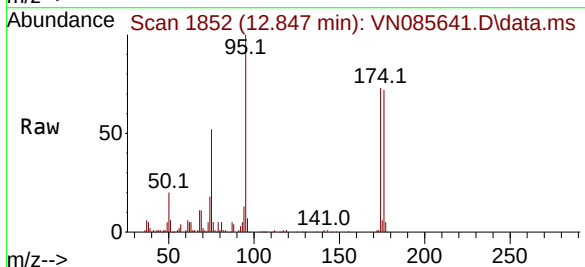
Tgt Ion: 95 Resp: 158019

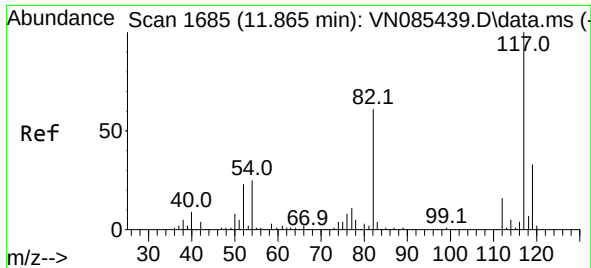
Ion Ratio Lower Upper

95 100

174 73.4 0.0 145.0

176 70.0 0.0 142.4

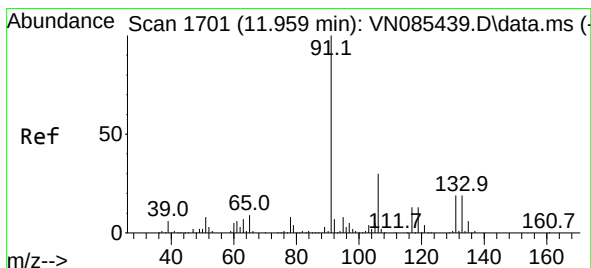
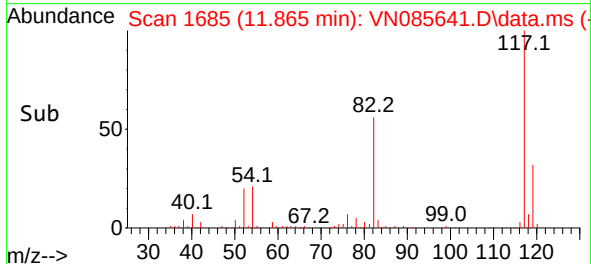
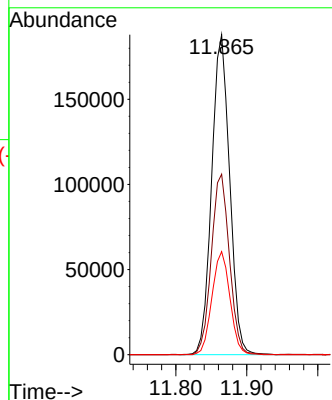
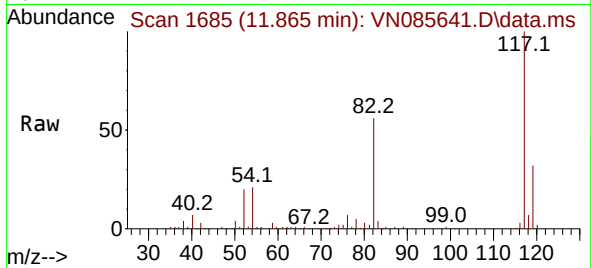




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

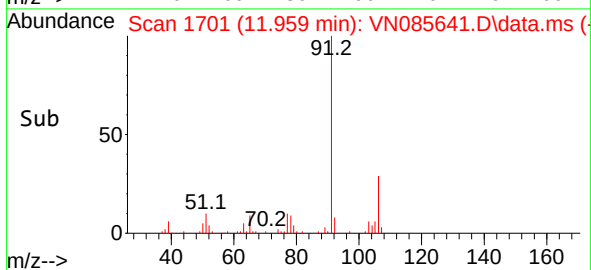
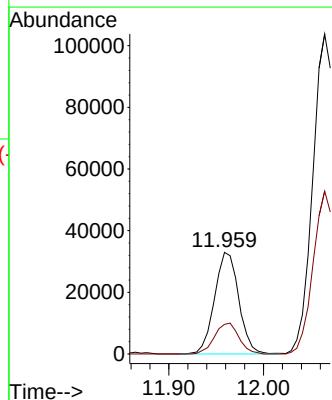
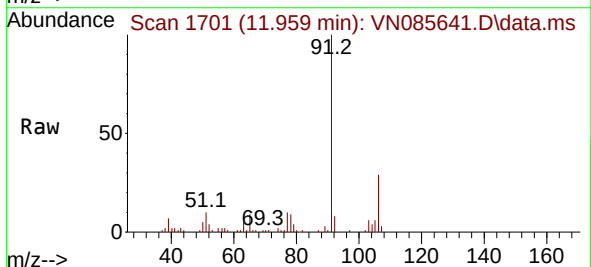
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0015

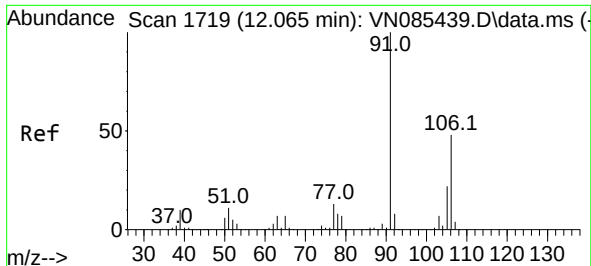
Tgt Ion:117 Resp: 329846
Ion Ratio Lower Upper
117 100
82 56.4 48.6 72.8
119 32.2 26.6 39.8



#67
Ethyl Benzene
Concen: 4.982 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

Tgt Ion: 91 Resp: 58630
Ion Ratio Lower Upper
91 100
106 29.1 23.8 35.8

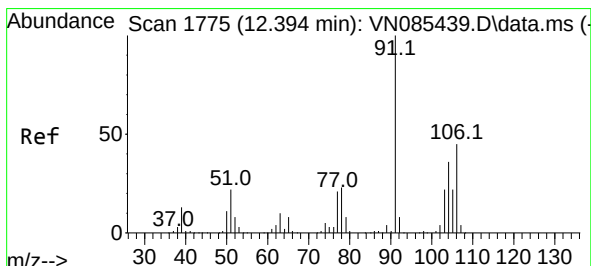
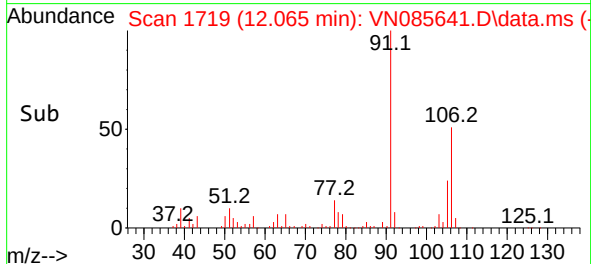
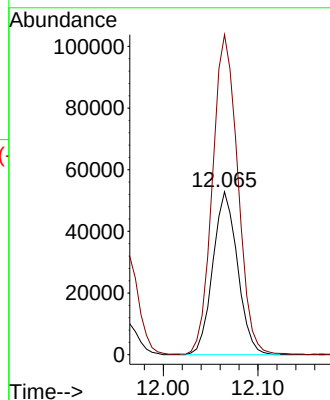
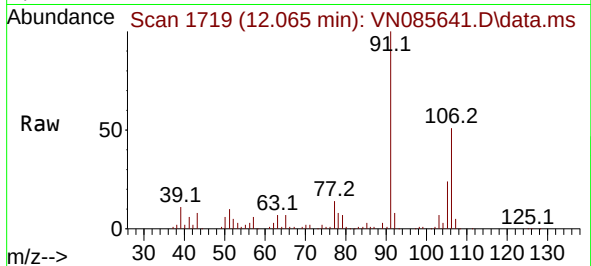




#68
m/p-Xylenes
Concen: 21.948 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

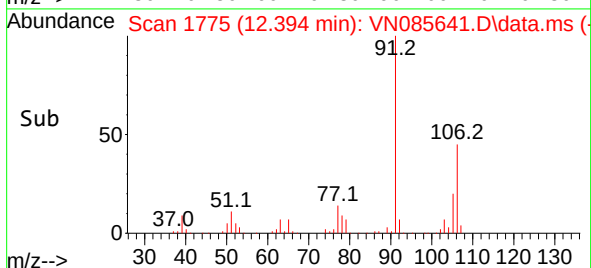
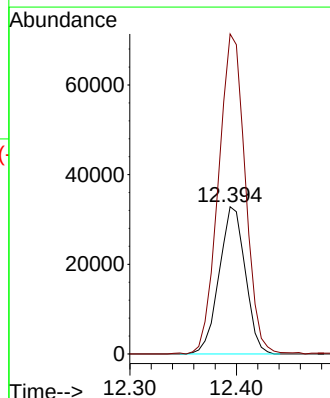
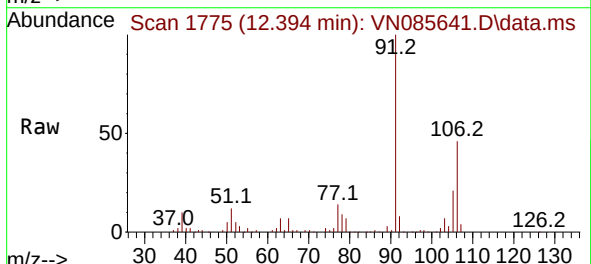
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0015

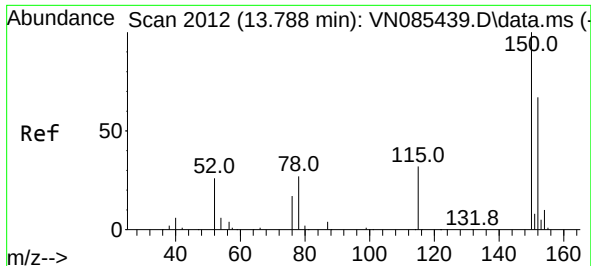
Tgt Ion:106 Resp: 95464
Ion Ratio Lower Upper
106 100
91 202.6 167.7 251.5



#69
o-Xylene
Concen: 13.431 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

Tgt Ion:106 Resp: 55830
Ion Ratio Lower Upper
106 100
91 223.9 110.4 331.2

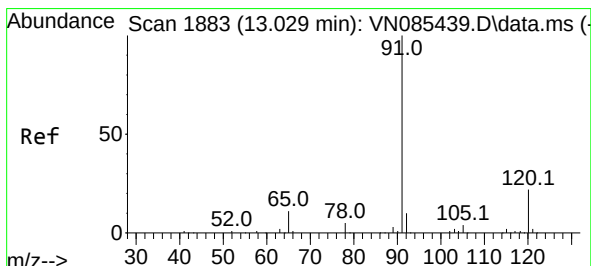
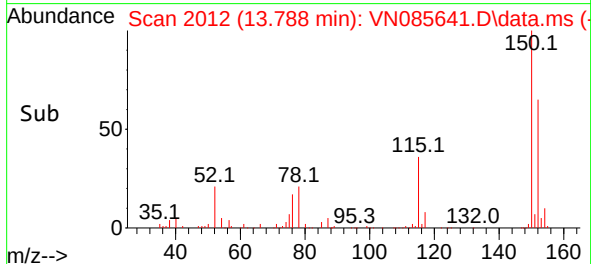
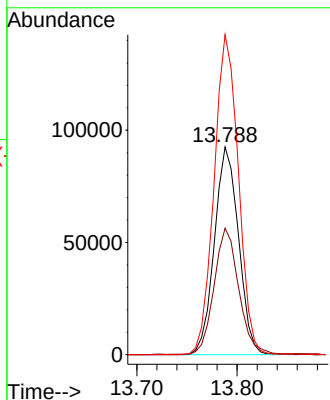
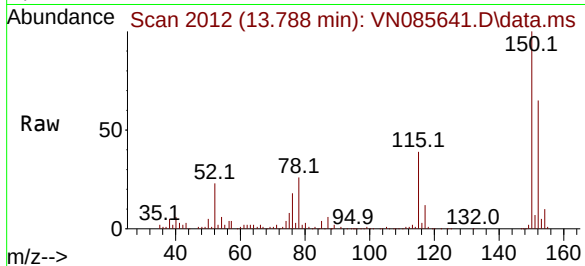




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085641.D
 Acq: 03 Feb 2025 22:49

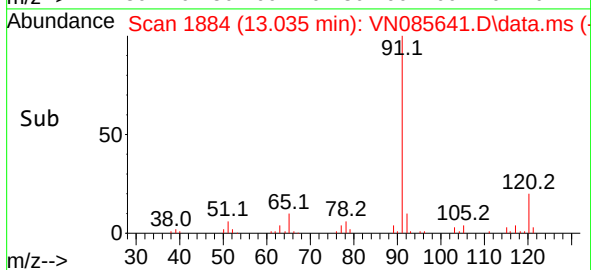
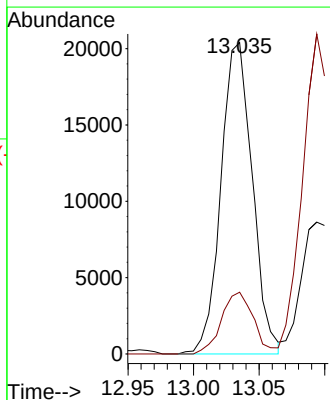
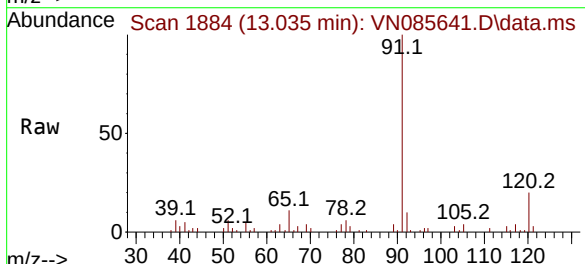
Instrument :
 MSVOA_N
 ClientSampleId :
 LAW-25-0015

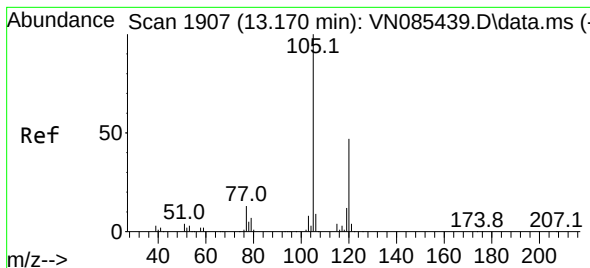
Tgt Ion:152 Resp: 154550
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.1 93.3
 150 155.1 0.0 343.6



#78
 n-propylbenzene
 Concen: 2.750 ug/l
 RT: 13.035 min Scan# 1884
 Delta R.T. 0.006 min
 Lab File: VN085641.D
 Acq: 03 Feb 2025 22:49

Tgt Ion: 91 Resp: 33952
 Ion Ratio Lower Upper
 91 100
 120 20.4 10.9 32.6

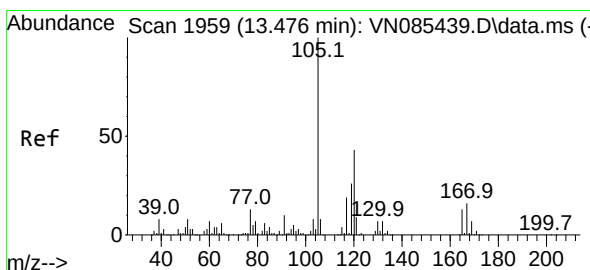
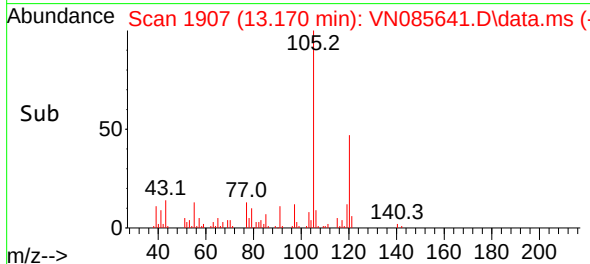
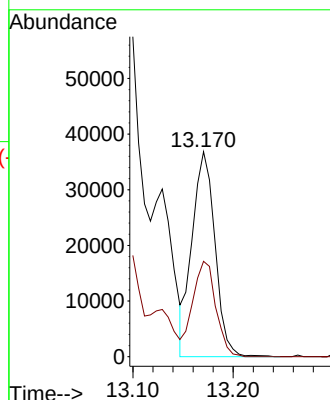
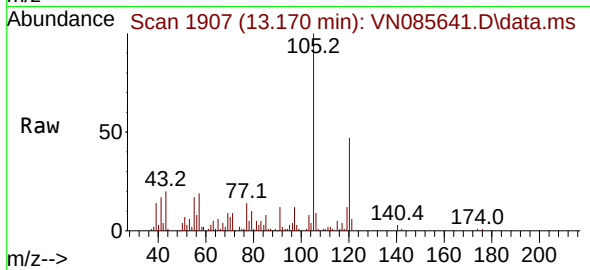




#80
 1,3,5-Trimethylbenzene
 Concen: 6.804 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN085641.D
 Acq: 03 Feb 2025 22:49

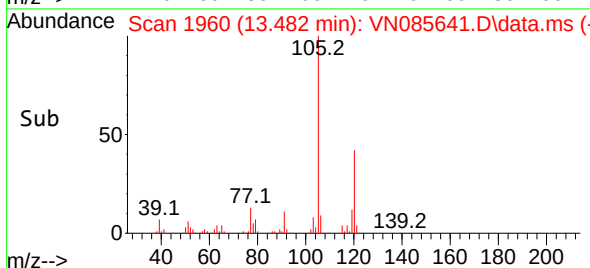
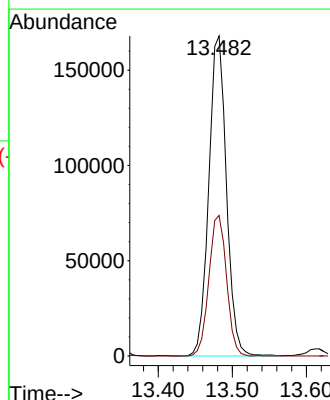
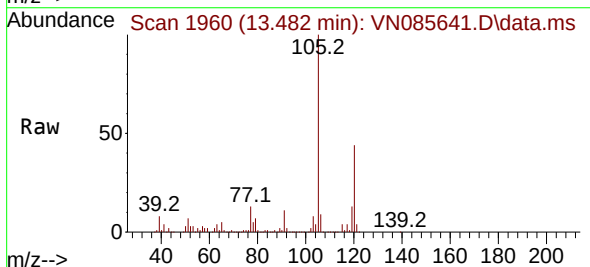
Instrument :
 MSVOA_N
 ClientSampleId :
 LAW-25-0015

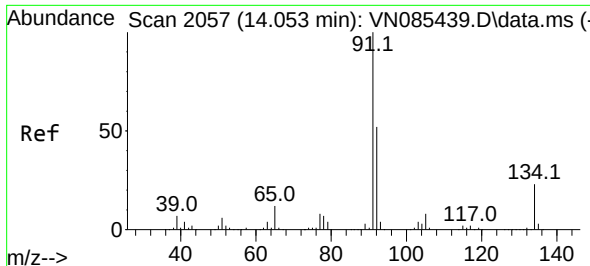
Tgt Ion:105 Resp: 58625
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.9 71.7



#84
 1,2,4-Trimethylbenzene
 Concen: 32.340 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.006 min
 Lab File: VN085641.D
 Acq: 03 Feb 2025 22:49

Tgt Ion:105 Resp: 277715
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.6 65.0

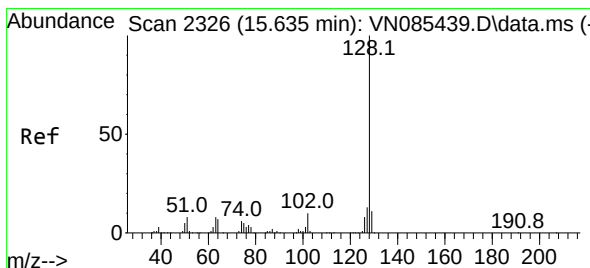
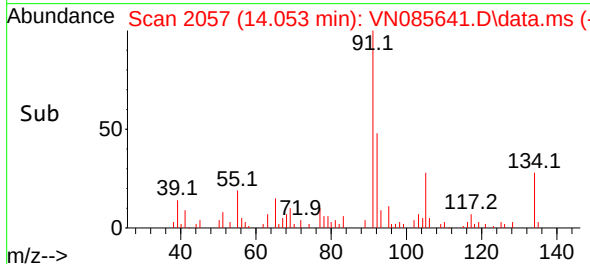
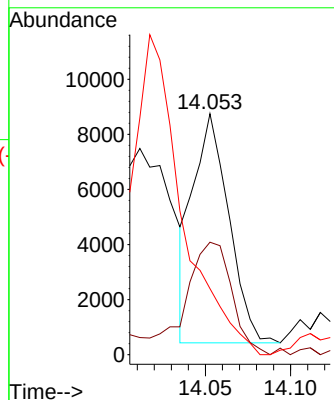
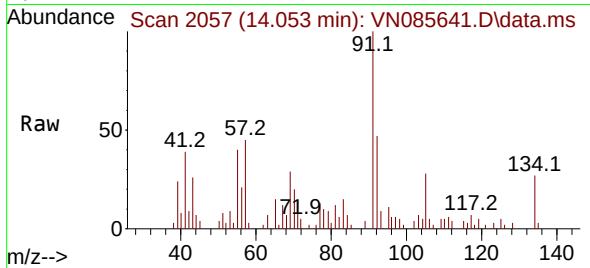




#89
n-Butylbenzene
Concen: 1.687 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0015

Tgt Ion: 91 Resp: 12137
Ion Ratio Lower Upper
91 100
92 62.2 25.8 77.3
134 0.0 11.7 35.1#



#95
Naphthalene
Concen: 15.910 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN085641.D
Acq: 03 Feb 2025 22:49

Tgt Ion:128 Resp: 110466
Ion Ratio Lower Upper
128 100
127 14.2 10.6 16.0
129 12.0 8.8 13.2

