

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031925\
 Data File : VN086020.D
 Acq On : 19 Mar 2025 19:39
 Operator : JC\MD
 Sample : Q1592-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 257952

Quant Time: Mar 20 01:37:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

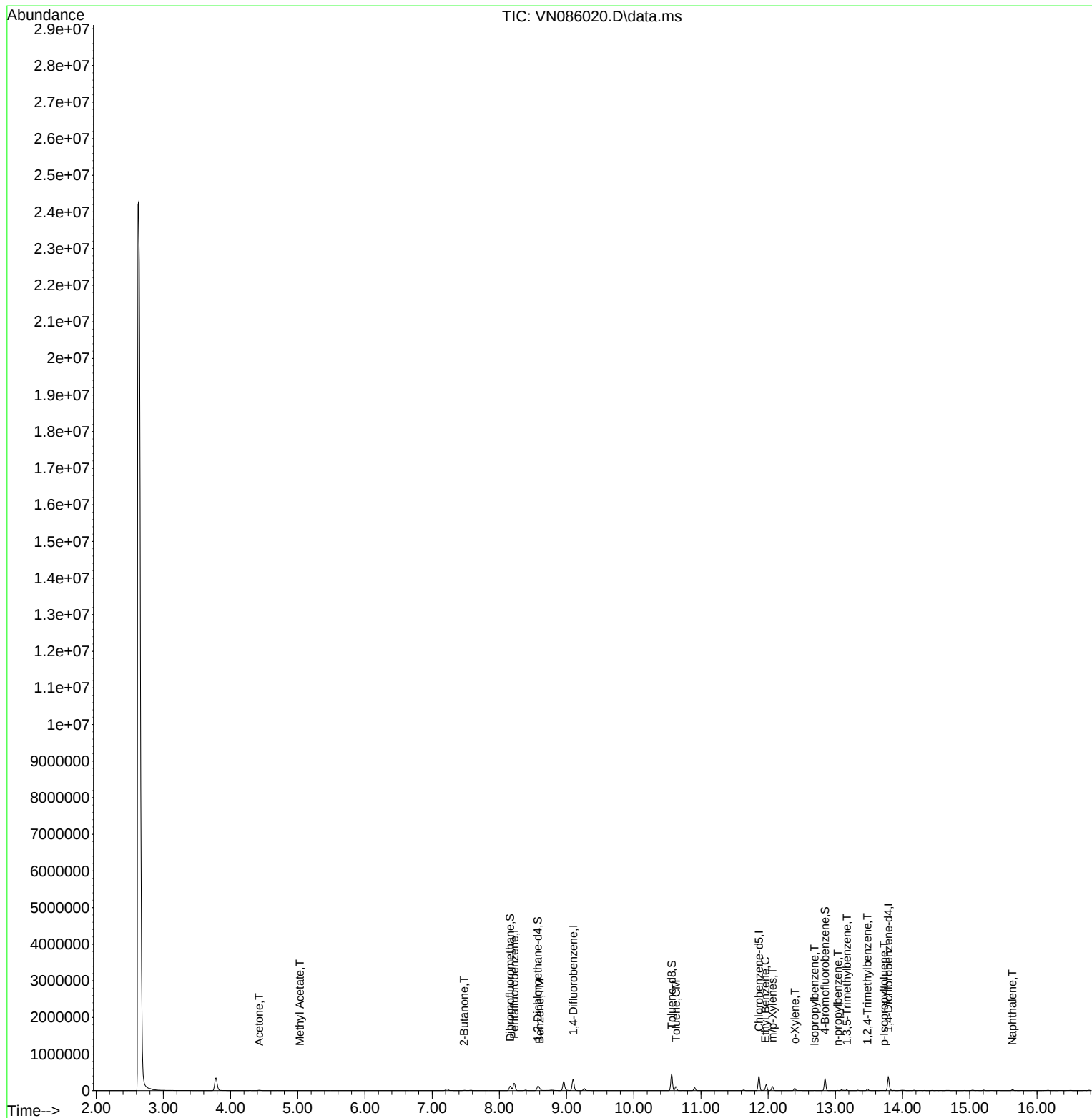
Internal Standards						
1) Pentafluorobenzene	8.224	168	145847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	103141	51.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.280%			
35) Dibromofluoromethane	8.159	113	87436	45.715	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.420%			
50) Toluene-d8	10.565	98	313564	45.172	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.340%			
62) 4-Bromofluorobenzene	12.847	95	115096	46.493	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.980%			
Target Compounds					Qvalue	
16) Acetone	4.424	43	22268	36.496	ug/l	98
18) Methyl Acetate	5.030	43	3139	2.079	ug/l #	82
25) 2-Butanone	7.477	43	14341	16.289	ug/l #	86
40) Benzene	8.600	78	41636	5.266	ug/l	96
52) Toluene	10.629	92	50286	10.363	ug/l	100
67) Ethyl Benzene	11.959	91	20359	2.362	ug/l	93
68) m/p-Xylenes	12.065	106	35797	10.568	ug/l	98
69) o-Xylene	12.400	106	16841	5.417	ug/l	98
73) Isopropylbenzene	12.688	105	3890	0.552	ug/l	98
78) n-propylbenzene	13.035	91	5984	0.750	ug/l	91
80) 1,3,5-Trimethylbenzene	13.170	105	13614	2.289	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	26556	4.427	ug/l	98
86) p-Isopropyltoluene	13.723	119	1650	0.294	ug/l	90
95) Naphthalene	15.635	128	26355	5.142	ug/l	100

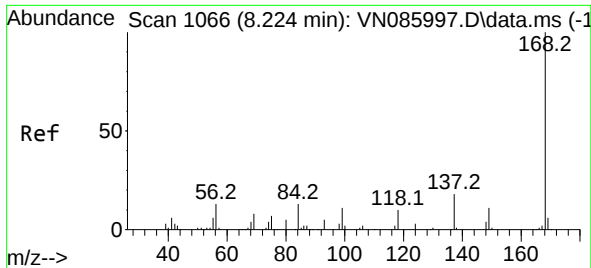
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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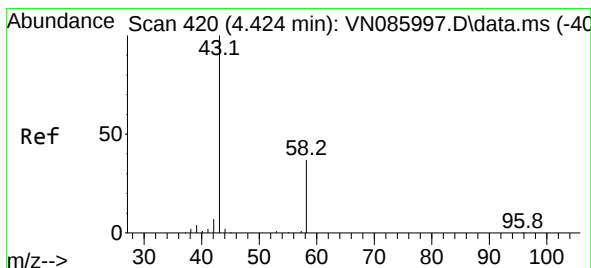
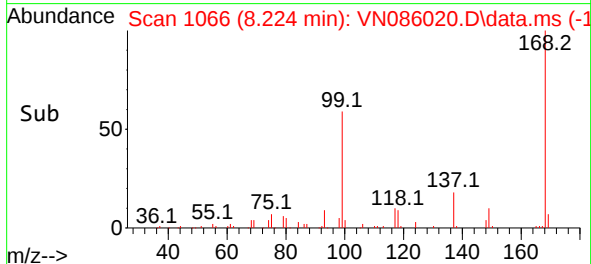
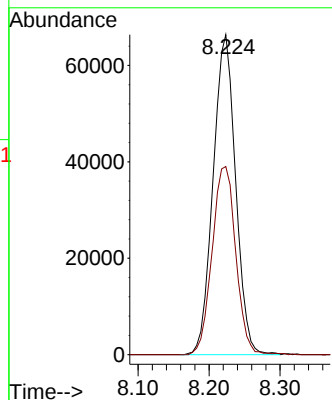
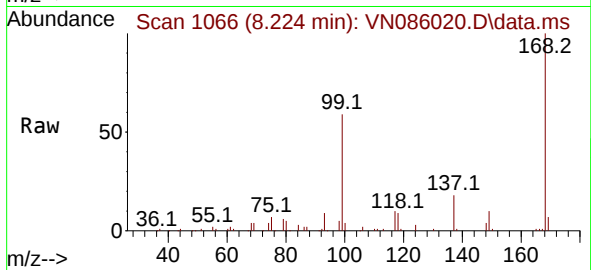




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

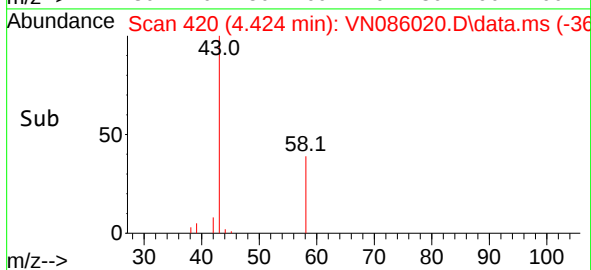
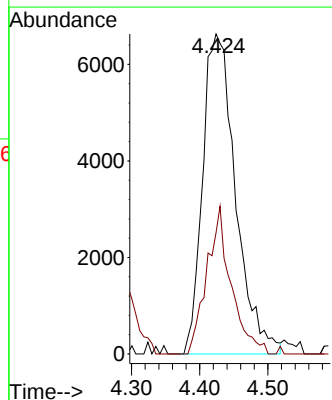
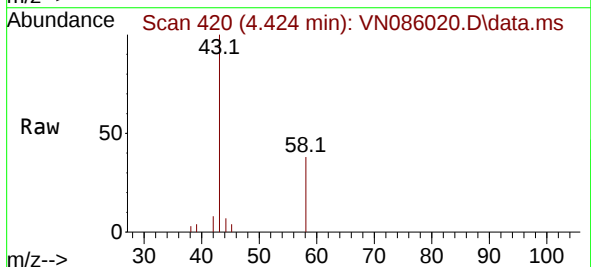
Instrument :
MSVOA_N
ClientSampleId :
257952

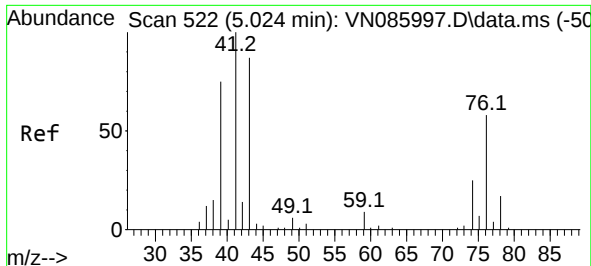
Tgt Ion:168 Resp: 145847
Ion Ratio Lower Upper
168 100
99 58.8 49.4 74.2



#16
Acetone
Concen: 36.496 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

Tgt Ion: 43 Resp: 22268
Ion Ratio Lower Upper
43 100
58 37.9 29.4 44.2





#18

Methyl Acetate

Concen: 2.079 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN086020.D

Acq: 19 Mar 2025 19:39

Instrument :

MSVOA_N

ClientSampleId :

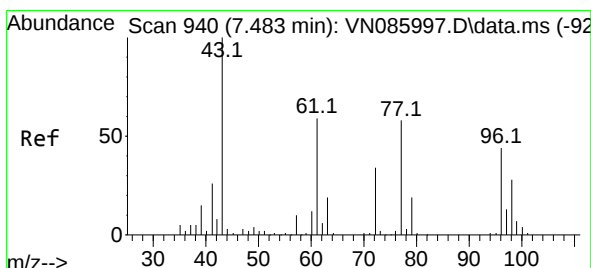
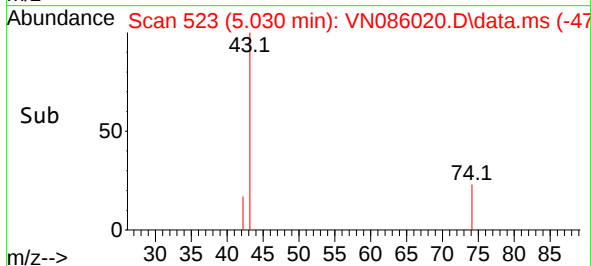
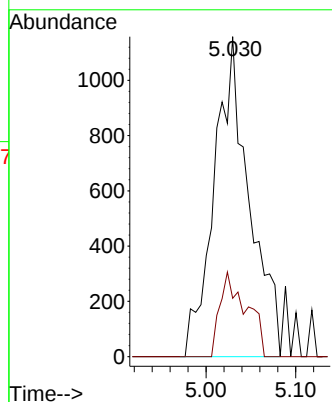
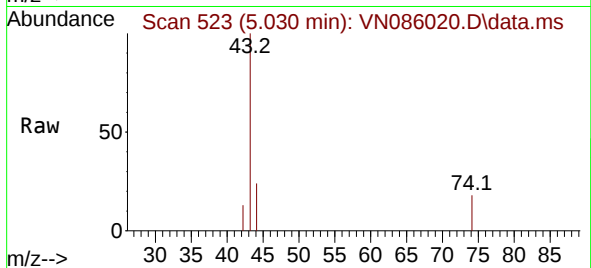
257952

Tgt Ion: 43 Resp: 3139

Ion Ratio Lower Upper

43 100

74 19.9 23.9 35.9#



#25

2-Butanone

Concen: 16.289 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.006 min

Lab File: VN086020.D

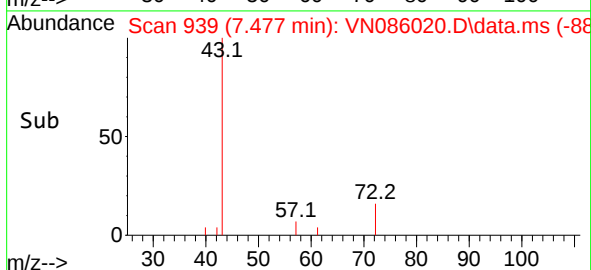
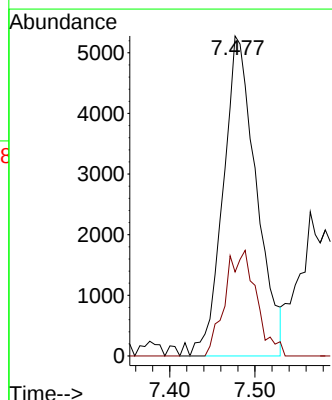
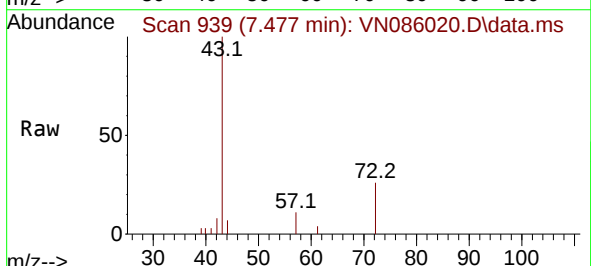
Acq: 19 Mar 2025 19:39

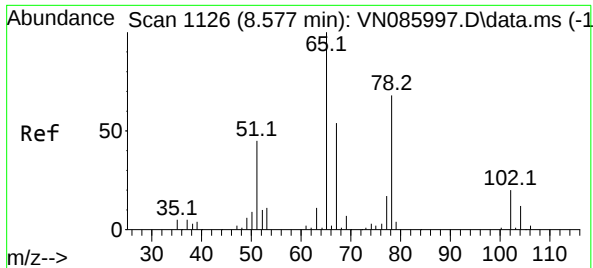
Tgt Ion: 43 Resp: 14341

Ion Ratio Lower Upper

43 100

72 26.3 27.4 41.0#

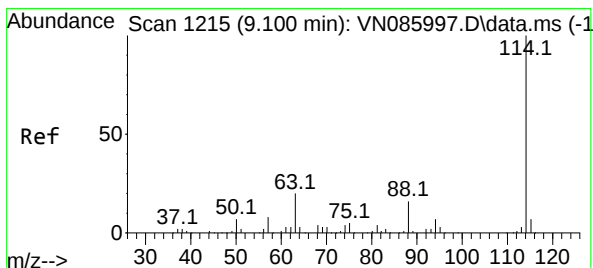
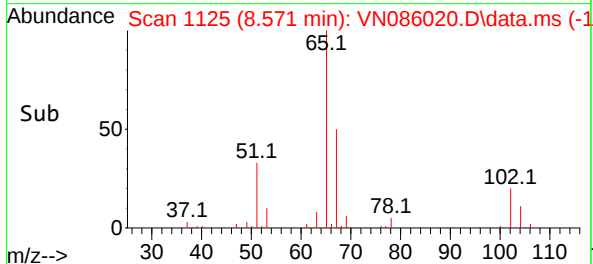
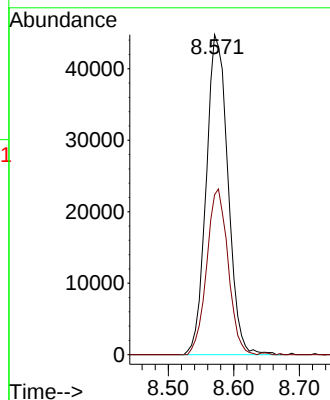
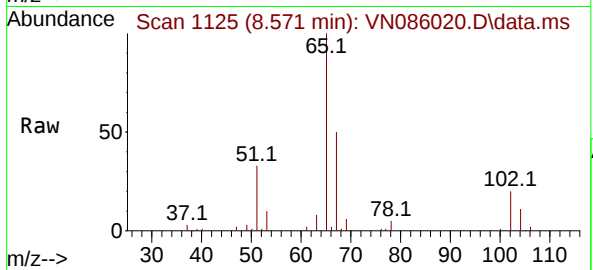




#33
 1,2-Dichloroethane-d4
 Concen: 51.644 ug/l
 RT: 8.571 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN086020.D
 Acq: 19 Mar 2025 19:39

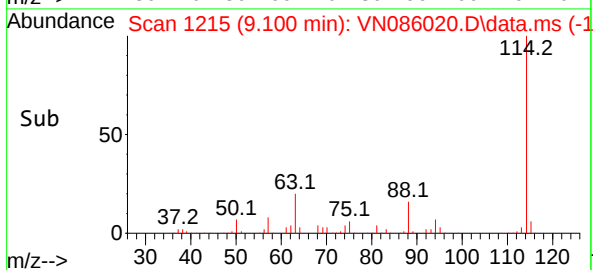
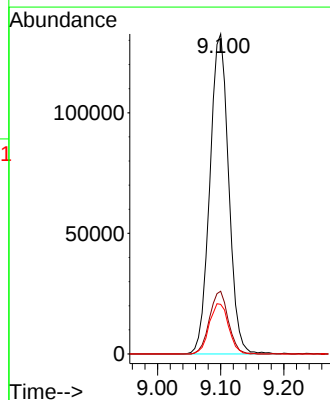
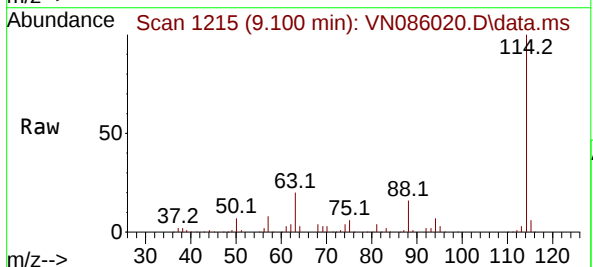
Instrument :
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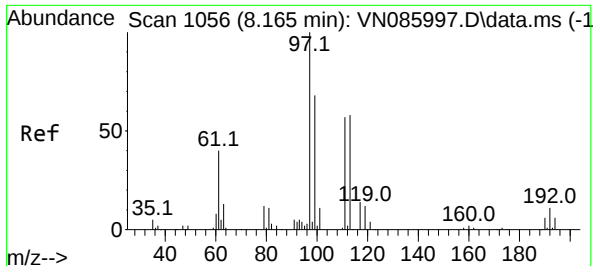
Tgt Ion: 65 Resp: 103141
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086020.D
 Acq: 19 Mar 2025 19:39

Tgt Ion: 114 Resp: 274022
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.6
 88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.715 ug/l

RT: 8.159 min Scan# 110

Delta R.T. -0.006 min

Lab File: VN086020.D

Acq: 19 Mar 2025 19:39

Instrument :

MSVOA_N

ClientSampleId :

257952

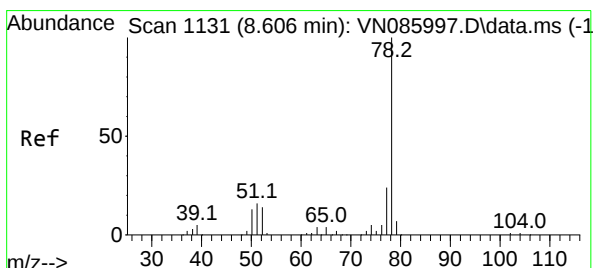
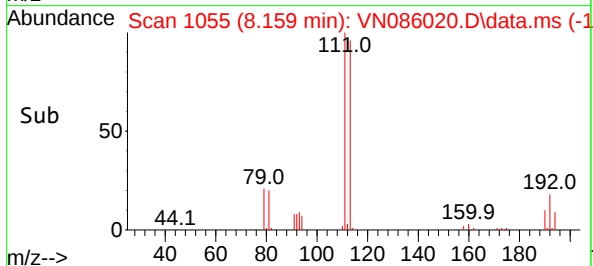
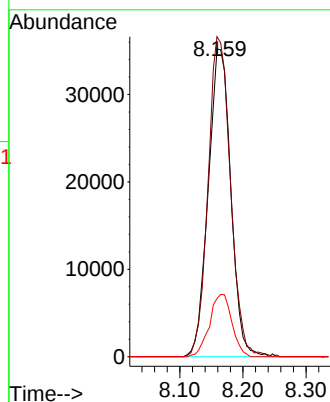
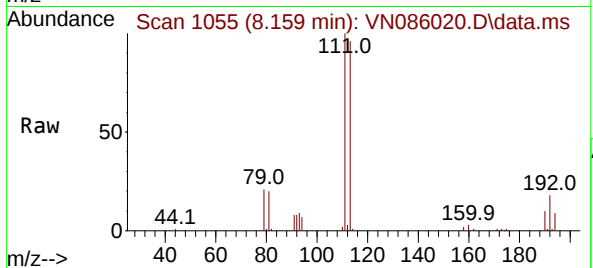
Tgt Ion:113 Resp: 87436

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 20.0 15.9 23.9



#40

Benzene

Concen: 5.266 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086020.D

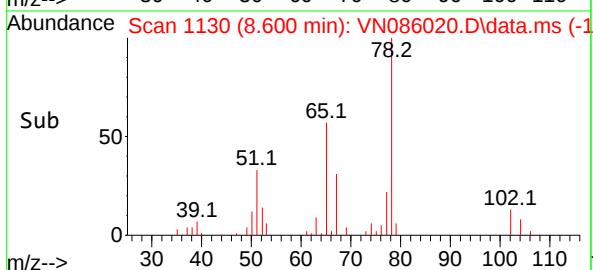
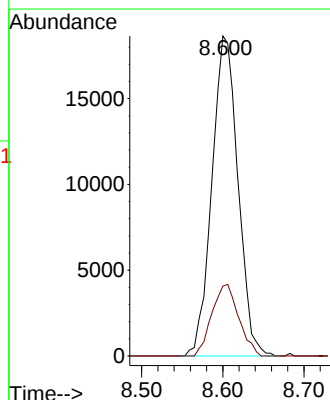
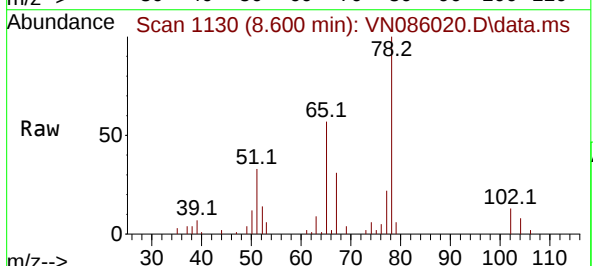
Acq: 19 Mar 2025 19:39

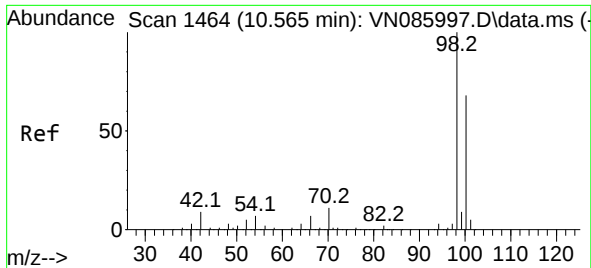
Tgt Ion: 78 Resp: 41636

Ion Ratio Lower Upper

78 100

77 21.9 18.9 28.3

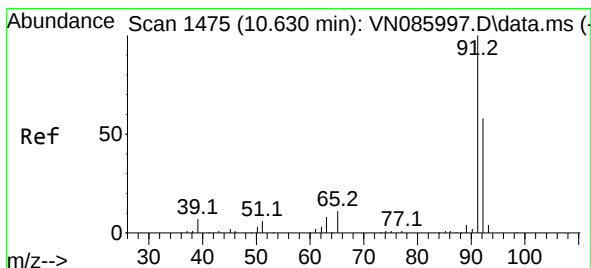
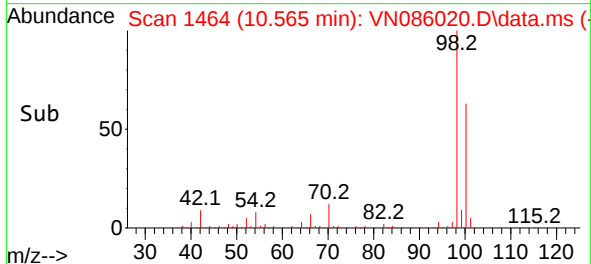
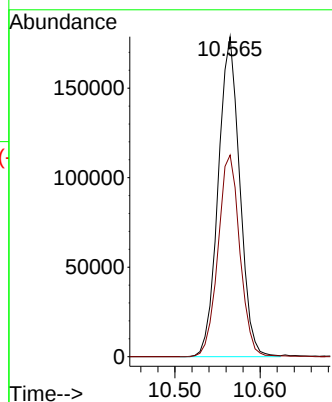
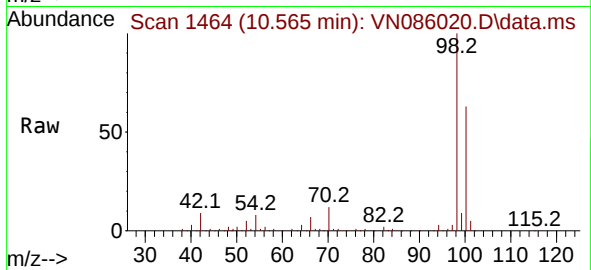




#50
Toluene-d8
Concen: 45.172 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

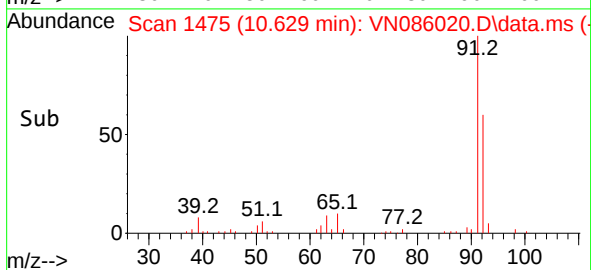
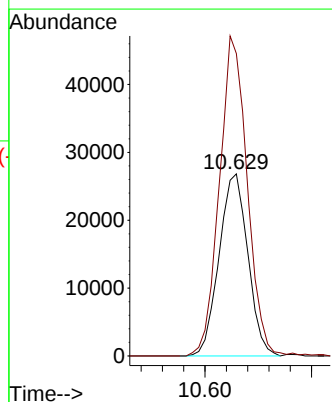
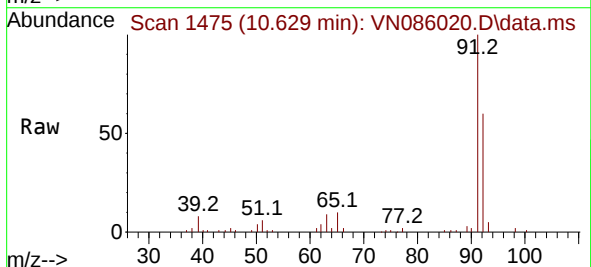
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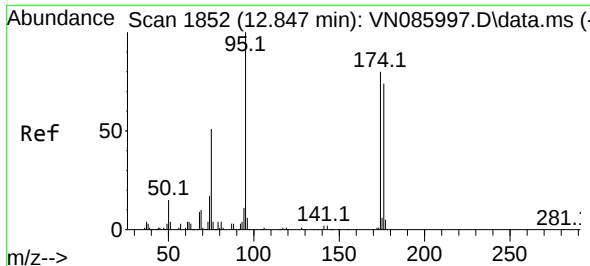
Tgt Ion: 98 Resp: 313564
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#52
Toluene
Concen: 10.363 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

Tgt Ion: 92 Resp: 50286
Ion Ratio Lower Upper
92 100
91 170.4 136.2 204.4

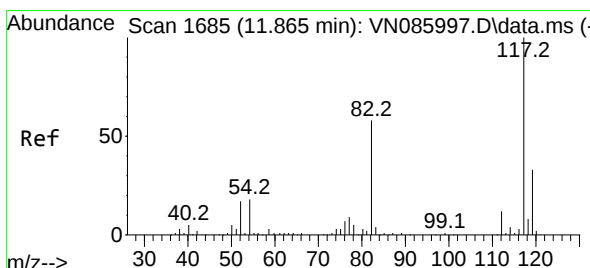
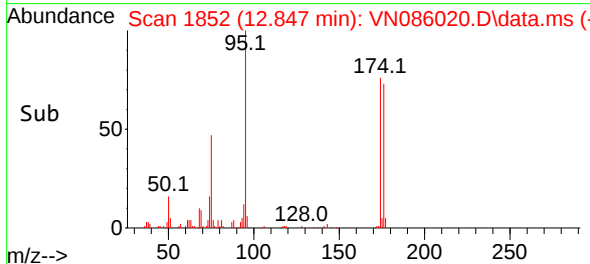
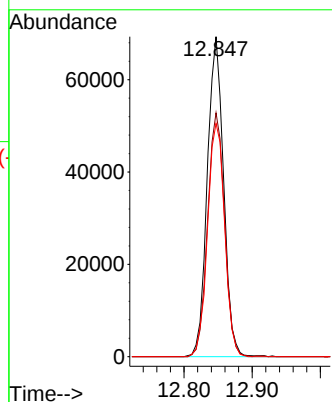
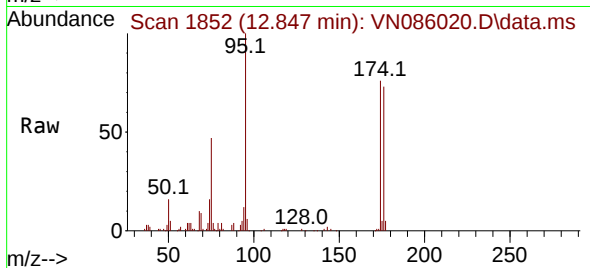




#62
4-Bromofluorobenzene
Concen: 46.493 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

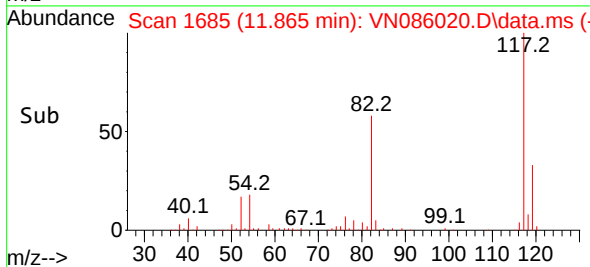
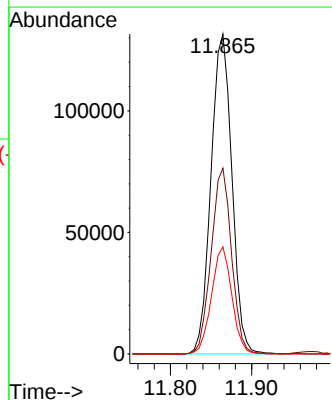
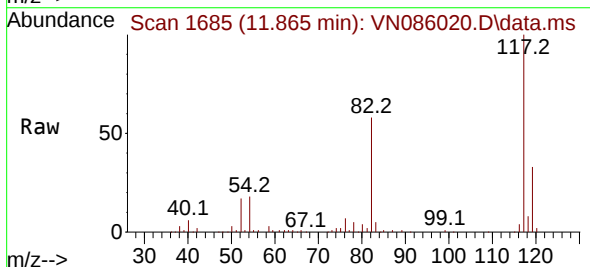
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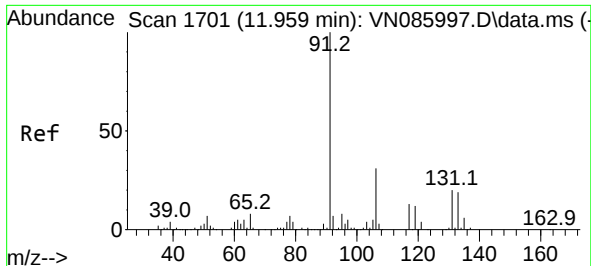
Tgt Ion: 95 Resp: 115096
Ion Ratio Lower Upper
95 100
174 79.4 0.0 156.8
176 76.4 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

Tgt Ion: 117 Resp: 235432
Ion Ratio Lower Upper
117 100
82 58.1 46.7 70.1
119 33.4 26.5 39.7

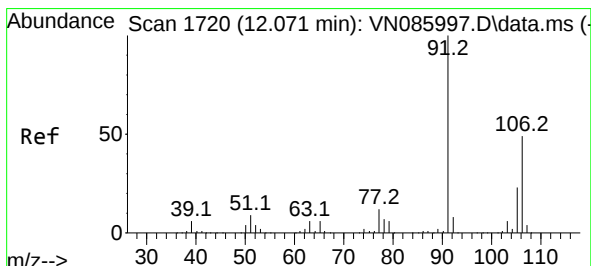
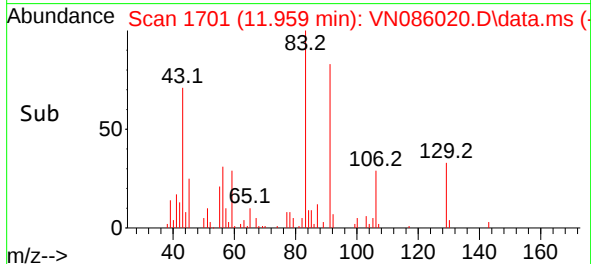
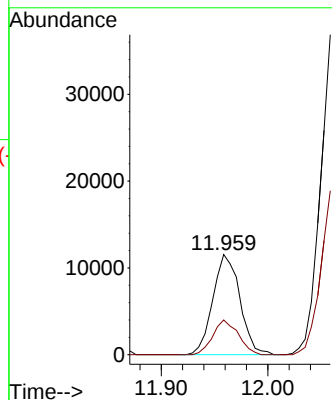
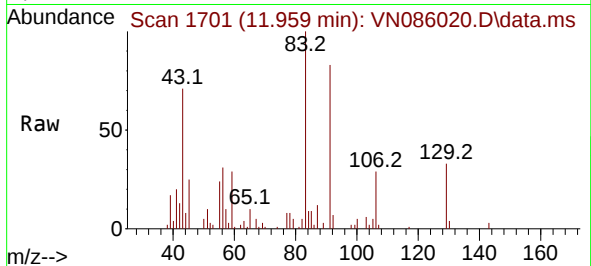




#67
Ethyl Benzene
Concen: 2.362 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

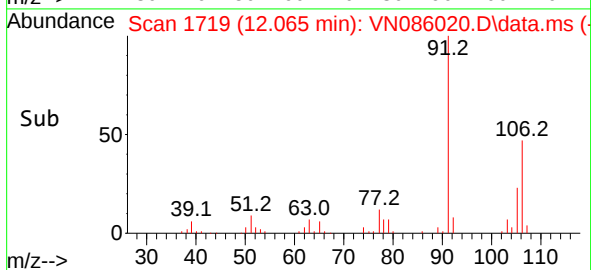
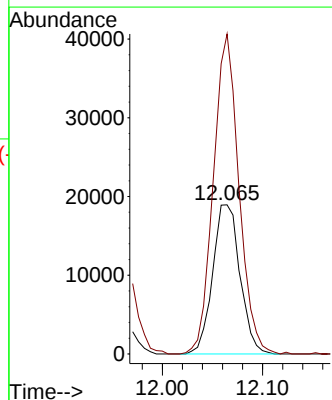
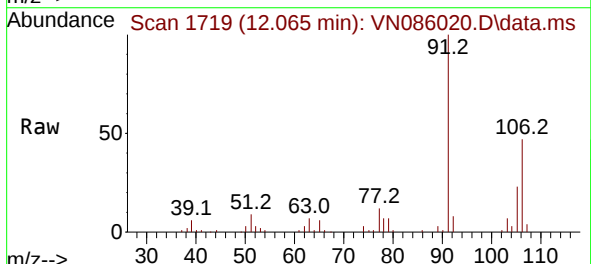
Instrument :
MSVOA_N
ClientSampleId :
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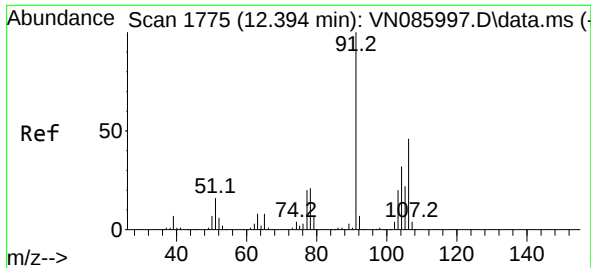
Tgt Ion: 91 Resp: 20359
Ion Ratio Lower Upper
91 100
106 34.6 24.5 36.7



#68
m/p-Xylenes
Concen: 10.568 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

Tgt Ion: 106 Resp: 35797
Ion Ratio Lower Upper
106 100
91 201.2 163.9 245.9

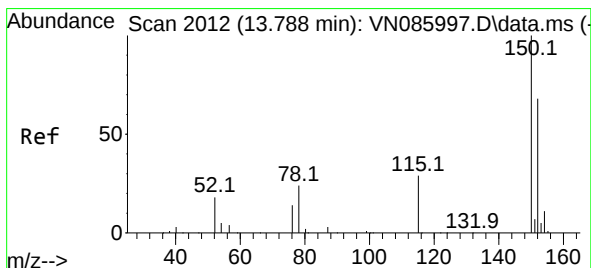
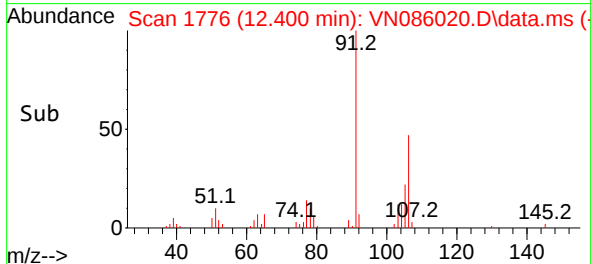
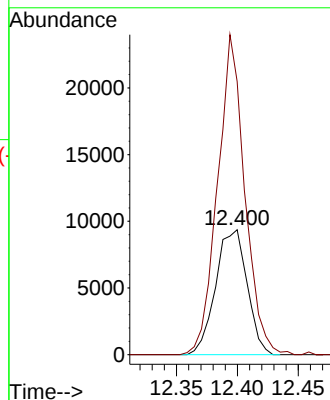
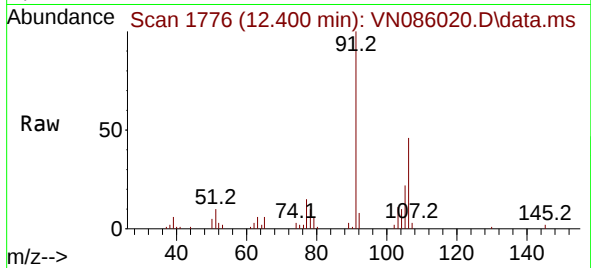




#69
o-Xylene
Concen: 5.417 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

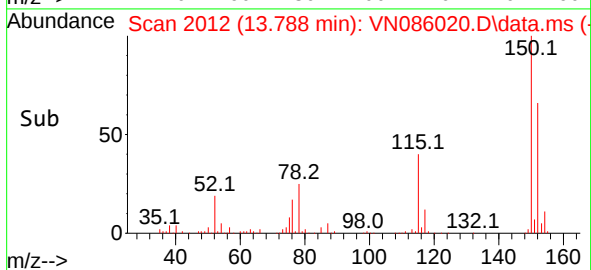
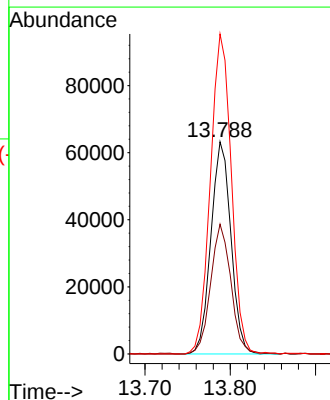
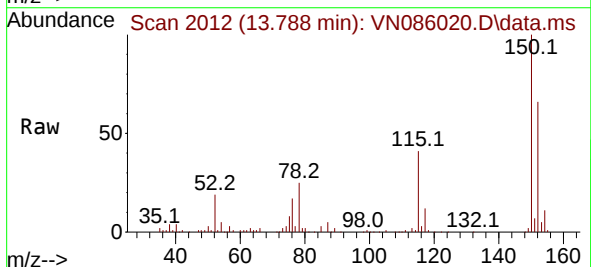
Instrument :
MSVOA_N
ClientSampleId :
257952

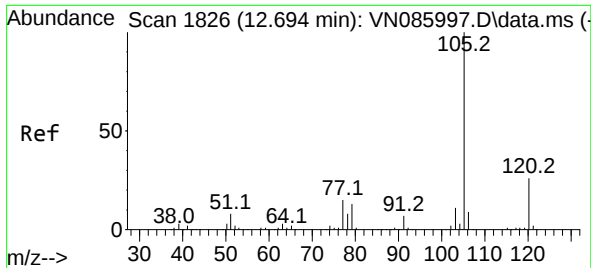
Tgt Ion:106 Resp: 16841
Ion Ratio Lower Upper
106 100
91 222.1 109.1 327.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

Tgt Ion:152 Resp: 103166
Ion Ratio Lower Upper
152 100
115 62.0 31.1 93.2
150 157.5 0.0 359.6

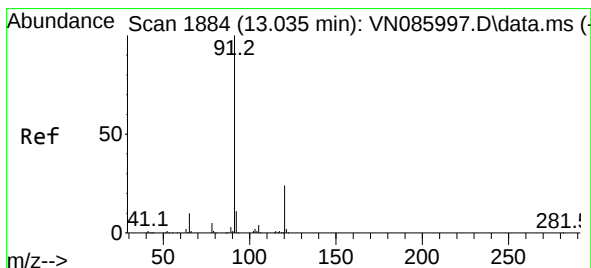
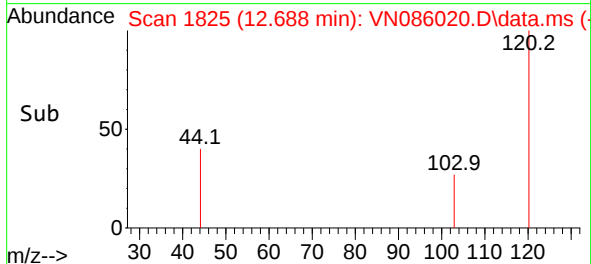
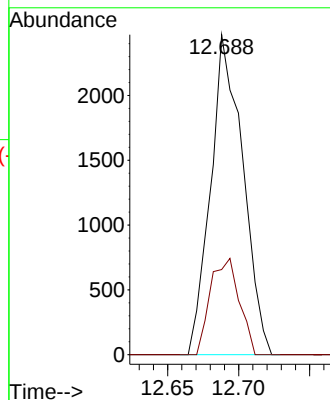
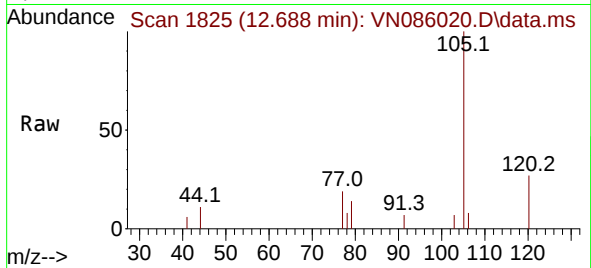




#73
Isopropylbenzene
Concen: 0.552 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

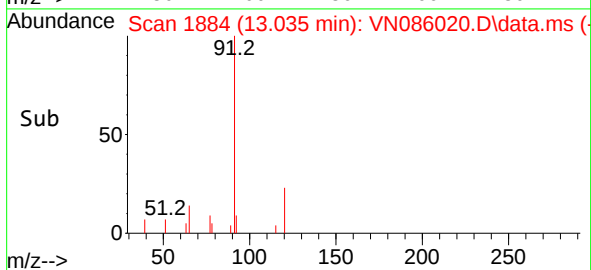
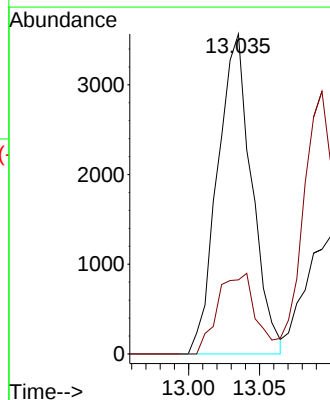
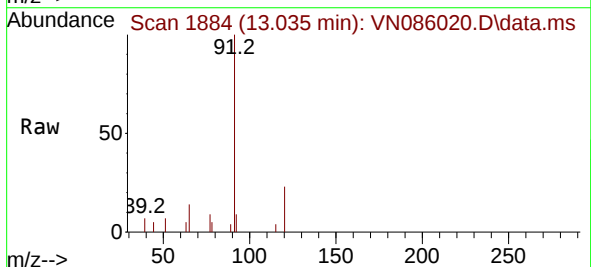
Instrument :
MSVOA_N
ClientSampleId :
257952

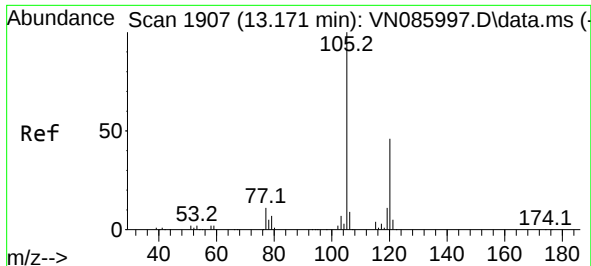
Tgt Ion:105 Resp: 3890
Ion Ratio Lower Upper
105 100
120 27.0 13.0 39.0



#78
n-propylbenzene
Concen: 0.750 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086020.D
Acq: 19 Mar 2025 19:39

Tgt Ion: 91 Resp: 5984
Ion Ratio Lower Upper
91 100
120 27.6 11.7 35.0

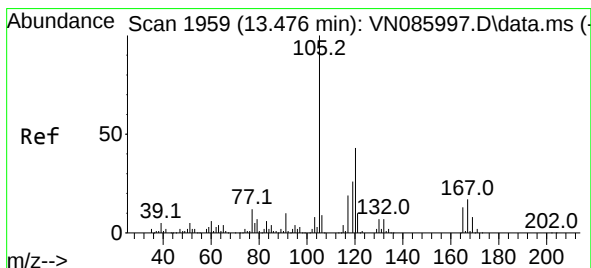
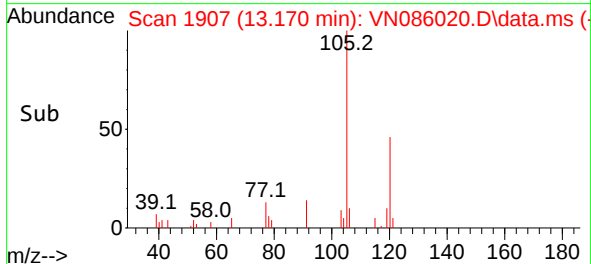
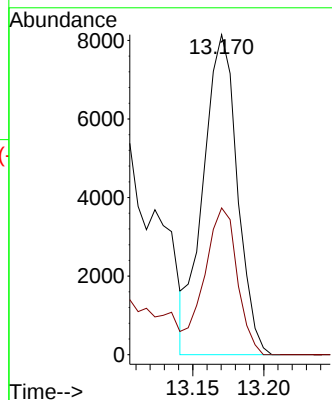
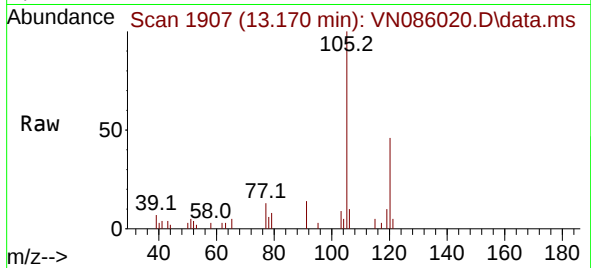




#80
 1,3,5-Trimethylbenzene
 Concen: 2.289 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN086020.D
 Acq: 19 Mar 2025 19:39

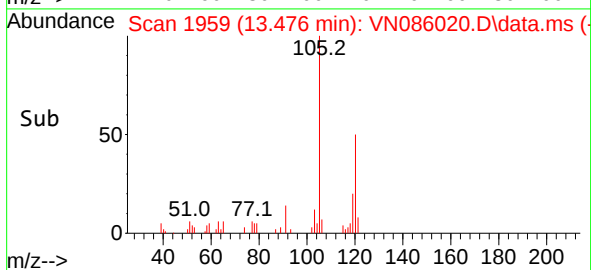
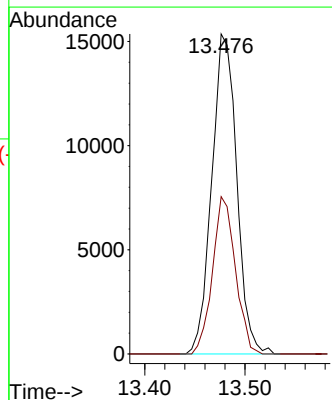
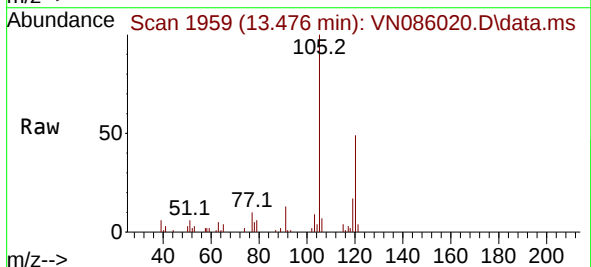
Instrument :
 MSVOA_N
 ClientSampleId :
 257952

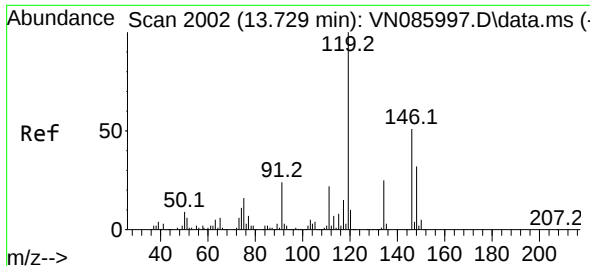
Tgt Ion:105 Resp: 13614
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.427 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086020.D
 Acq: 19 Mar 2025 19:39

Tgt Ion:105 Resp: 26556
 Ion Ratio Lower Upper
 105 100
 120 45.2 21.9 65.8

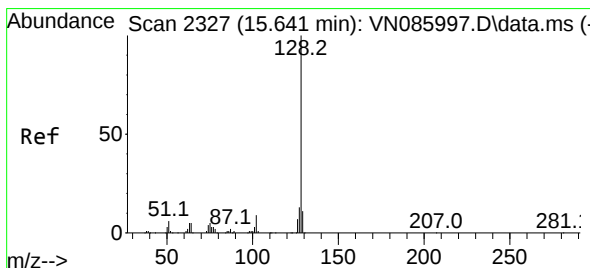
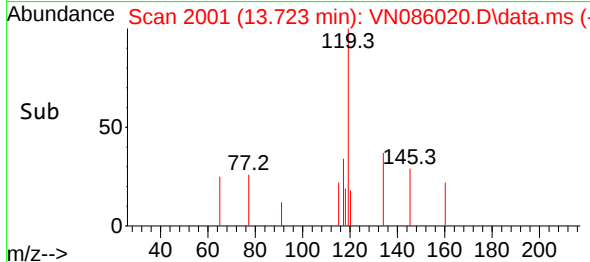
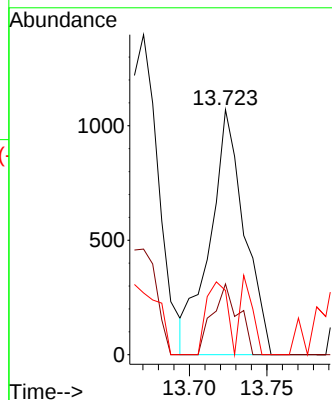
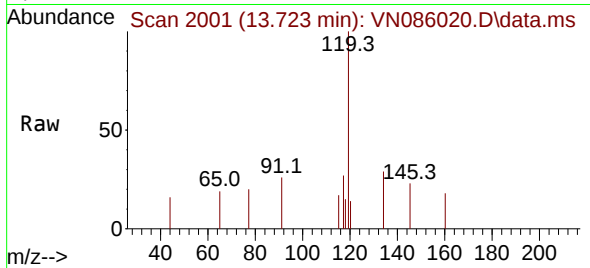




#86
 p-Isopropyltoluene
 Concen: 0.294 ug/l
 RT: 13.723 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN086020.D
 Acq: 19 Mar 2025 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 257952

Tgt Ion:	119	Resp:	1650
Ion	Ratio	Lower	Upper
119	100		
134	21.8	12.6	37.8
91	18.2	12.3	36.8



#95
 Naphthalene
 Concen: 5.142 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.006 min
 Lab File: VN086020.D
 Acq: 19 Mar 2025 19:39

Tgt Ion:	128	Resp:	26355
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.1	9.0	13.6

