

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020325\
 Data File : VX044813.D
 Acq On : 03 Feb 2025 14:36
 Operator : JC/MD
 Sample : Q1218-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BELL-25-002

Quant Time: Feb 04 02:09:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

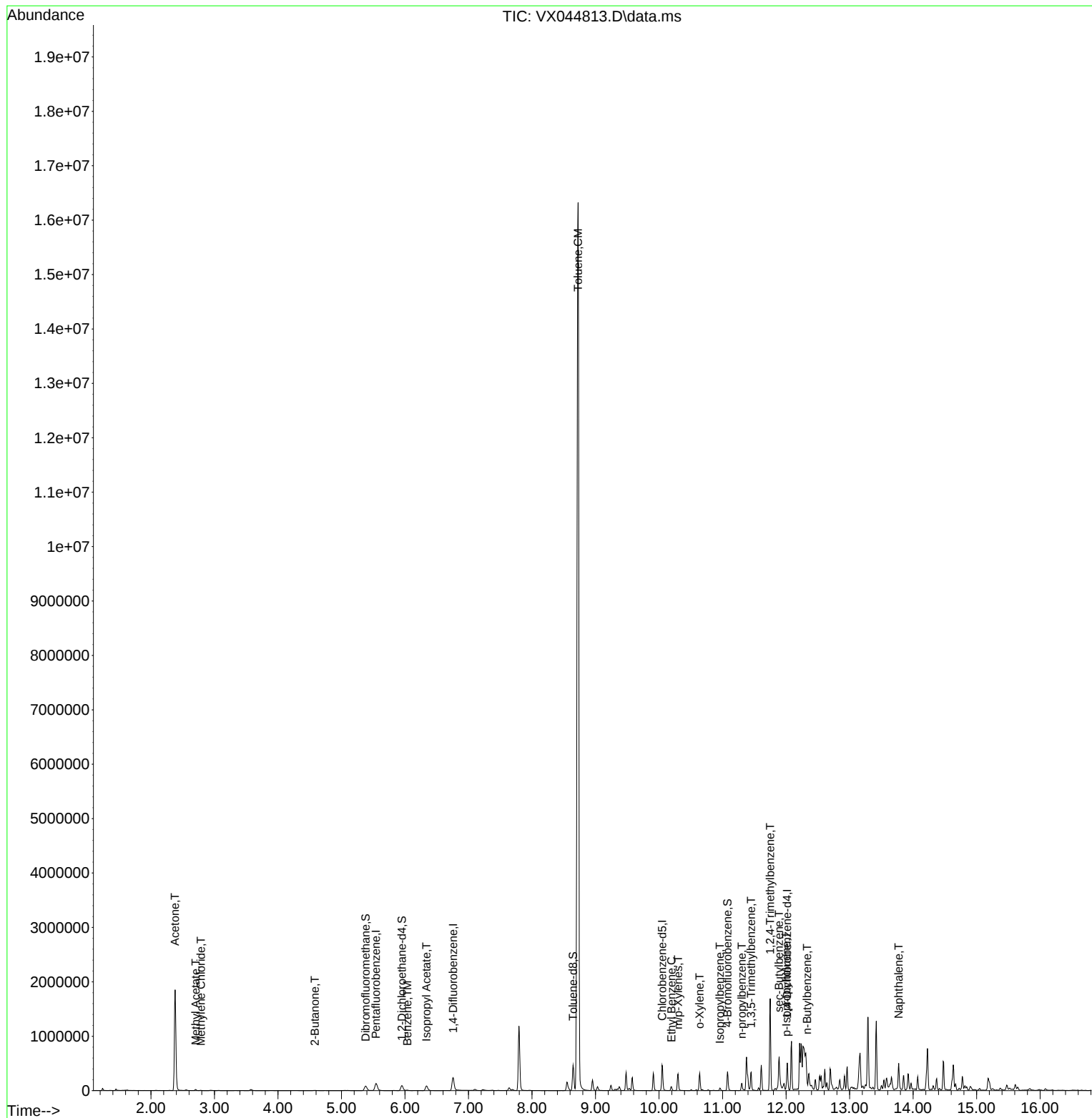
Internal Standards						
1) Pentafluorobenzene	5.544	168	122554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	244537	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85426	46.180	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.360%		
35) Dibromofluoromethane	5.379	113	75480	48.587	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.180%		
50) Toluene-d8	8.647	98	289439	53.434	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.860%		
62) 4-Bromofluorobenzene	11.079	95	96884	47.979	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.960%		
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	1954861	2671.011	ug/l	97
18) Methyl Acetate	2.703	43	22748	10.075	ug/l	100
20) Methylene Chloride	2.788	84	2631	1.544	ug/l	95
25) 2-Butanone	4.580	43	9690	8.905	ug/l	96
40) Benzene	6.038	78	10294	1.536	ug/l	99
43) Isopropyl Acetate	6.336	43	121388	28.653	ug/l	98
52) Toluene	8.726	92	7645940	1864.176	ug/l	91
67) Ethyl Benzene	10.195	91	45984	6.111	ug/l	100
68) m/p-Xylenes	10.299	106	71995	25.781	ug/l	97
69) o-Xylene	10.640	106	64593	22.872	ug/l	99
73) Isopropylbenzene	10.957	105	23792	3.071	ug/l	100
78) n-propylbenzene	11.305	91	86637	10.140	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	145429	23.058	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	706395	110.217	ug/l	99
85) sec-Butylbenzene	11.890	105	31174	4.060	ug/l	91
86) p-Isopropyltoluene	12.006	119	21632	3.428	ug/l	97
89) n-Butylbenzene	12.329	91	57718	10.649	ug/l #	37
95) Naphthalene	13.774	128	284427	38.249	ug/l	99

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

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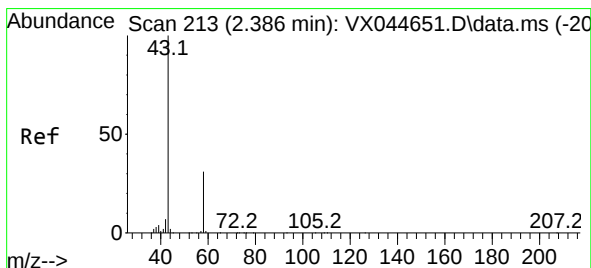
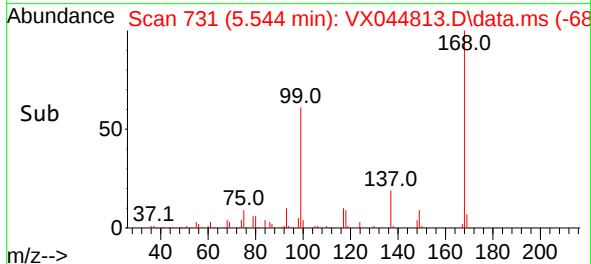
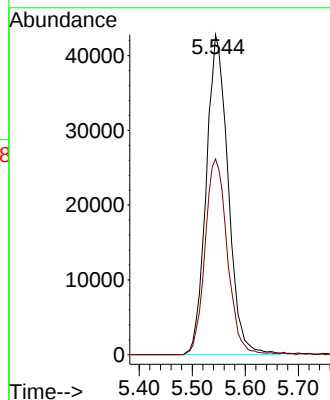
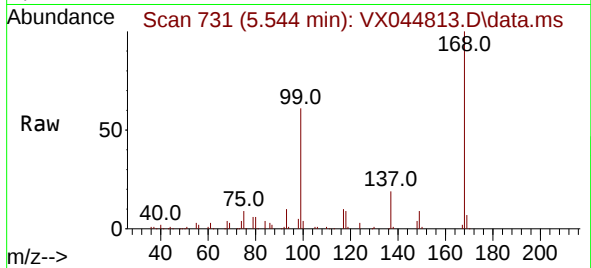




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

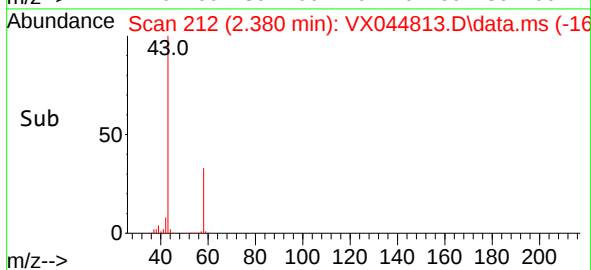
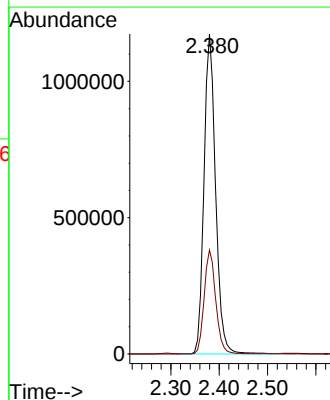
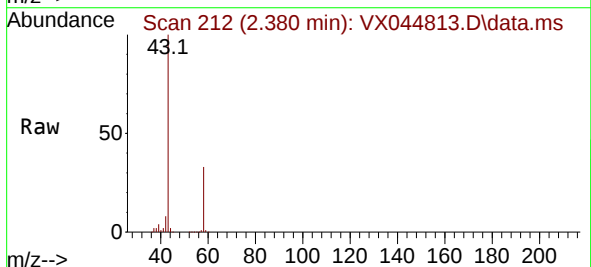
Instrument :
MSVOA_X
ClientSampleId :
BELL-25-002

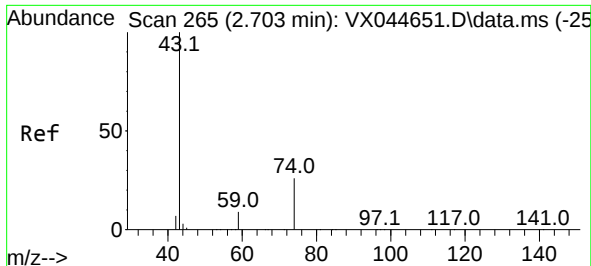
Tgt Ion:168 Resp: 122554
Ion Ratio Lower Upper
168 100
99 61.2 51.1 76.7



#16
Acetone
Concen: 2671.011 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion: 43 Resp: 1954861
Ion Ratio Lower Upper
43 100
58 32.5 24.6 37.0

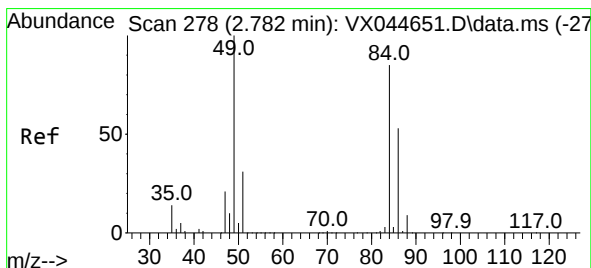
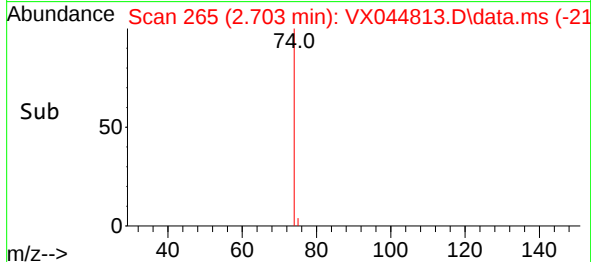
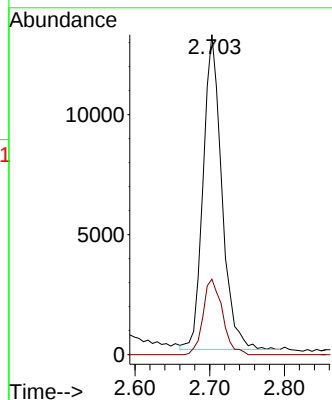
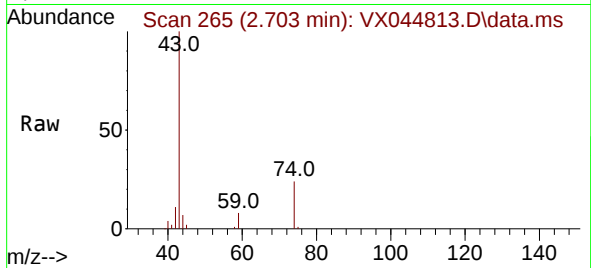




#18
Methyl Acetate
Concen: 10.075 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

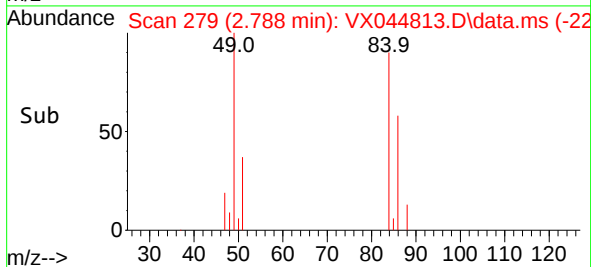
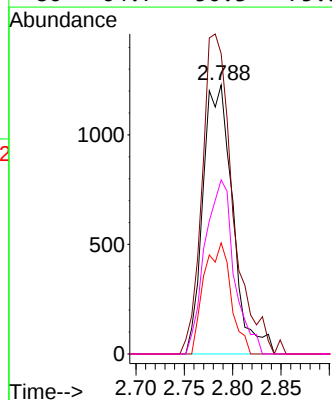
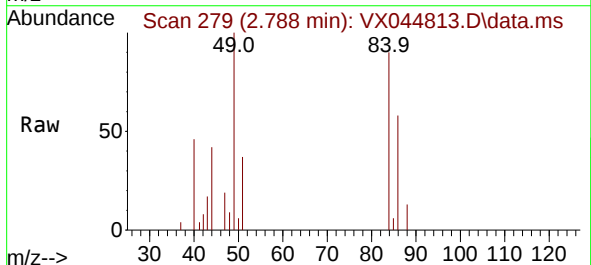
Instrument :
MSVOA_X
ClientSampleId :
BELL-25-002

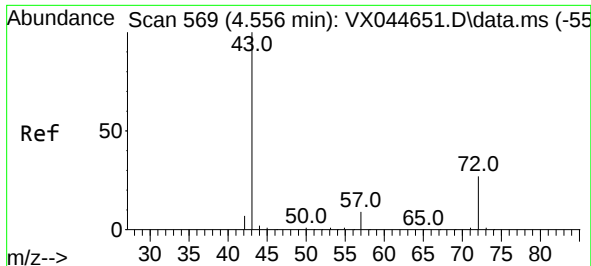
Tgt Ion: 43 Resp: 22748
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.8



#20
Methylene Chloride
Concen: 1.544 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion: 84 Resp: 2631
Ion Ratio Lower Upper
84 100
49 111.6 94.2 141.4
51 41.3 28.8 43.2
86 64.7 50.3 75.5

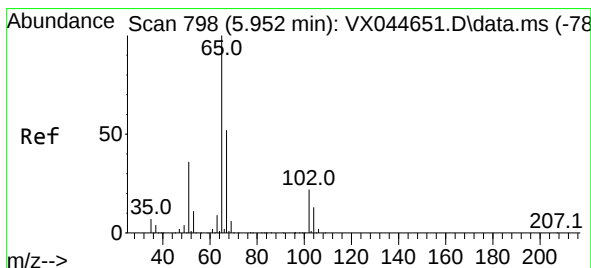
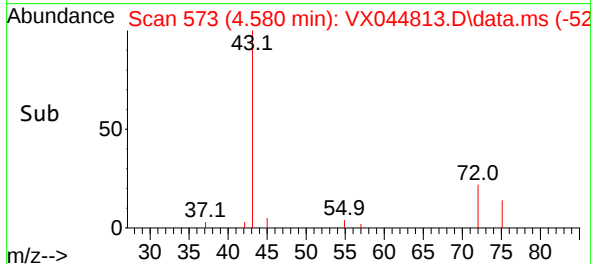
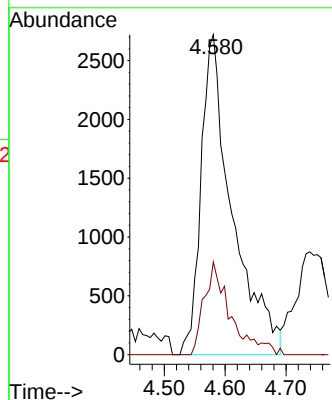
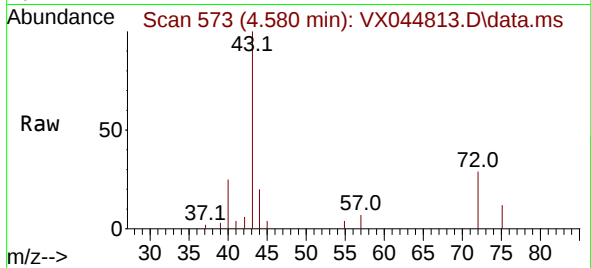




#25
2-Butanone
Concen: 8.905 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

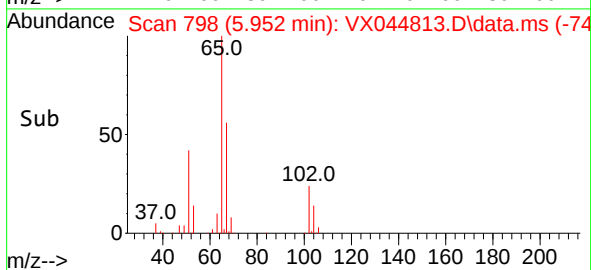
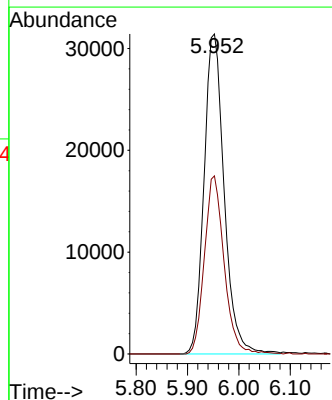
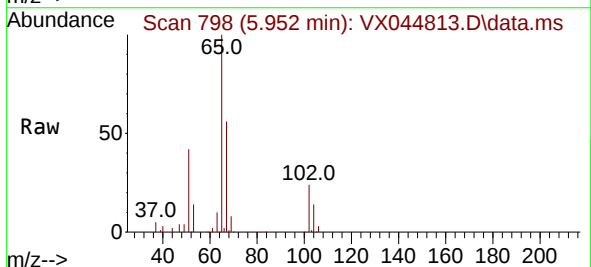
Instrument :
MSVOA_X
ClientSampleId :
BELL-25-002

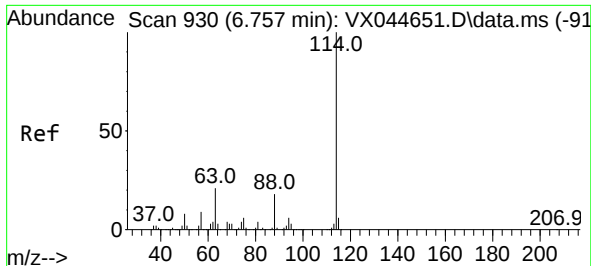
Tgt Ion: 43 Resp: 9690
Ion Ratio Lower Upper
43 100
72 29.0 21.7 32.5



#33
1,2-Dichloroethane-d4
Concen: 46.180 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion: 65 Resp: 85426
Ion Ratio Lower Upper
65 100
67 54.5 0.0 103.4

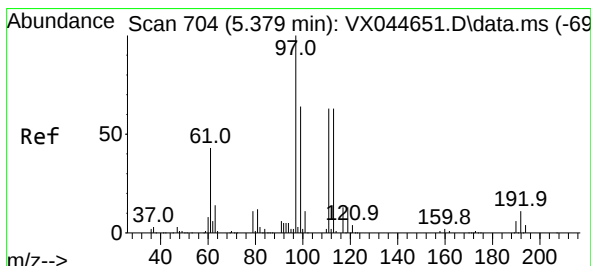
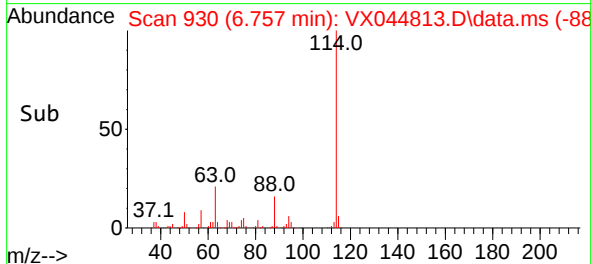
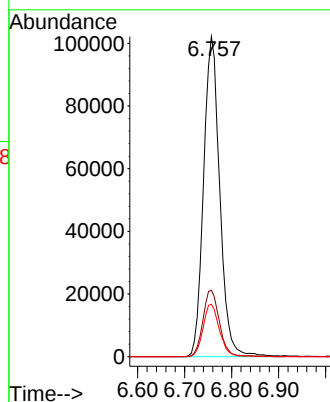
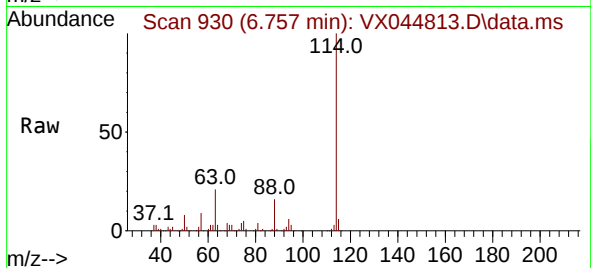




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

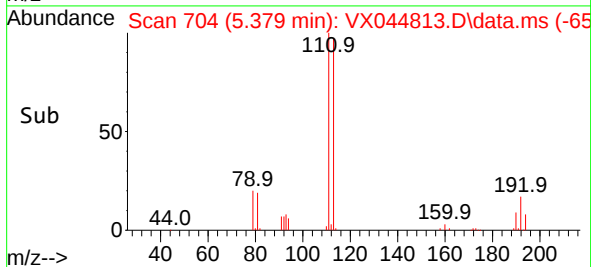
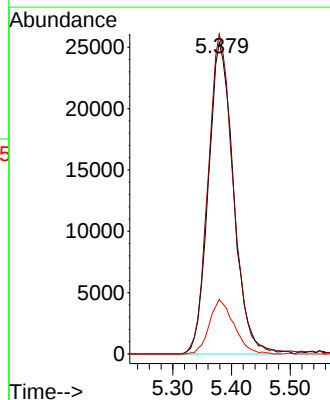
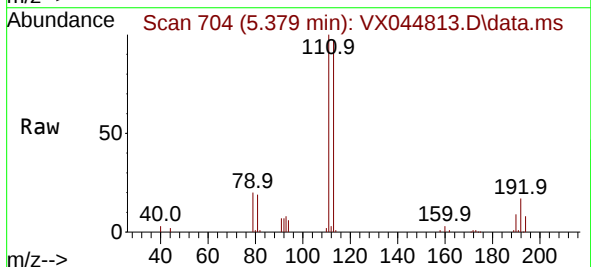
Instrument :
MSVOA_X
ClientSampleId :
BELL-25-002

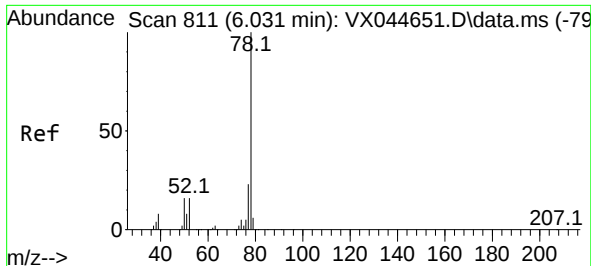
Tgt Ion:114 Resp: 244537
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.0
88 16.4 0.0 35.4



#35
Dibromofluoromethane
Concen: 48.587 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion:113 Resp: 75480
Ion Ratio Lower Upper
113 100
111 103.1 81.6 122.4
192 17.1 14.4 21.6





#40

Benzene

Concen: 1.536 ug/l

RT: 6.038 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044813.D

Acq: 03 Feb 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

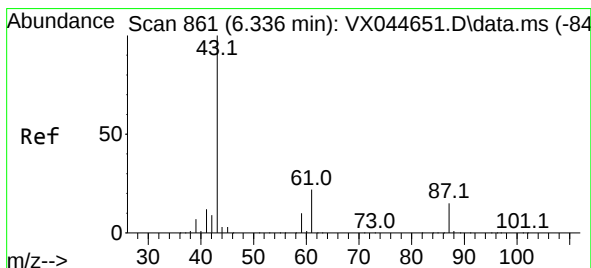
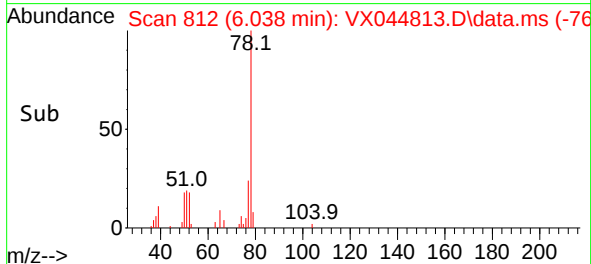
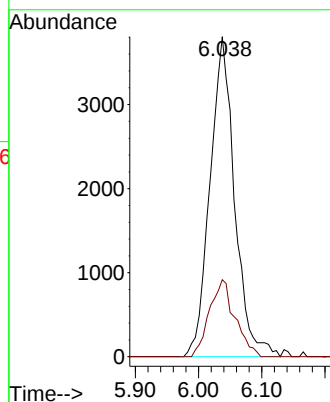
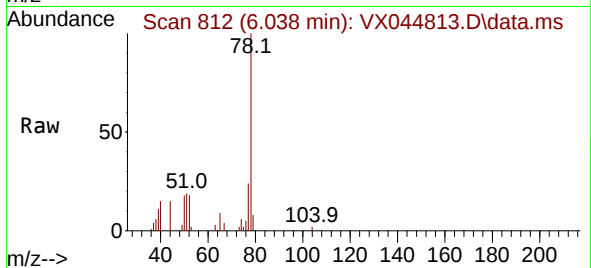
BELL-25-002

Tgt Ion: 78 Resp: 10294

Ion Ratio Lower Upper

78 100

77 24.1 18.7 28.1



#43

Isopropyl Acetate

Concen: 28.653 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044813.D

Acq: 03 Feb 2025 14:36

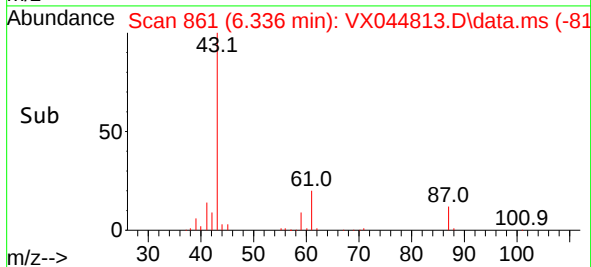
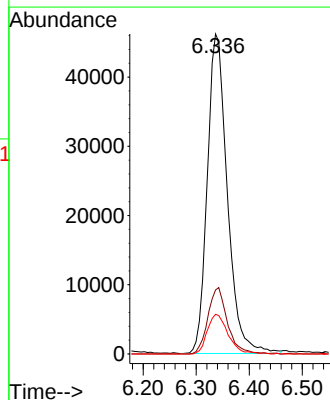
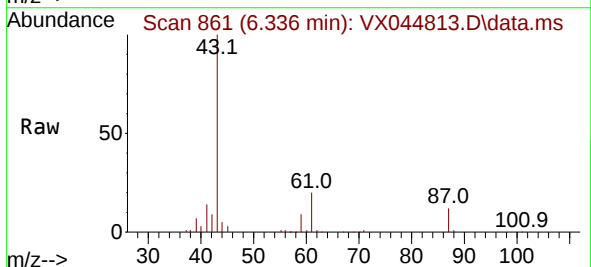
Tgt Ion: 43 Resp: 121388

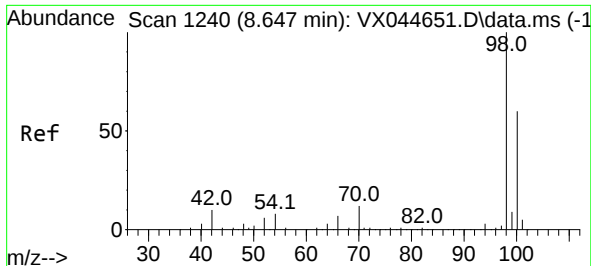
Ion Ratio Lower Upper

43 100

61 20.2 16.6 24.8

87 12.8 11.0 16.6

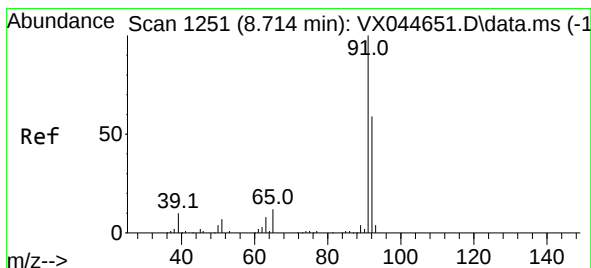
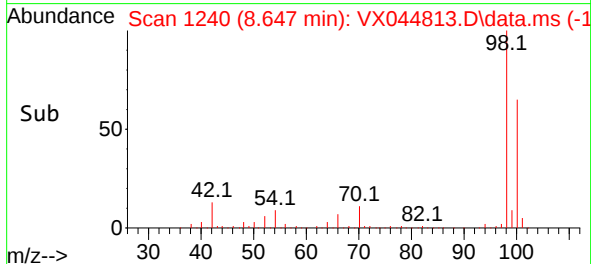
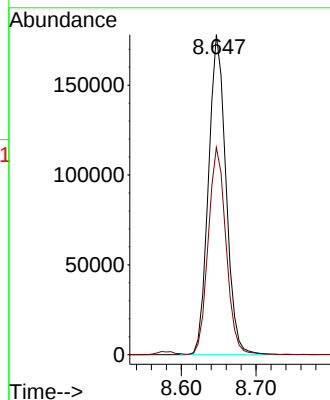
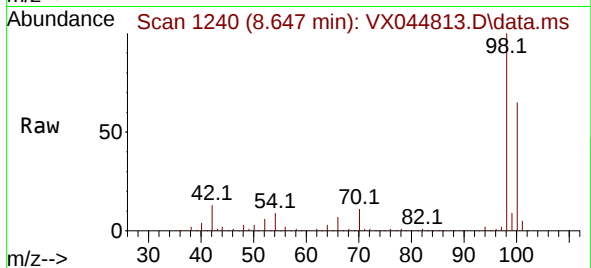




#50
Toluene-d8
Concen: 53.434 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

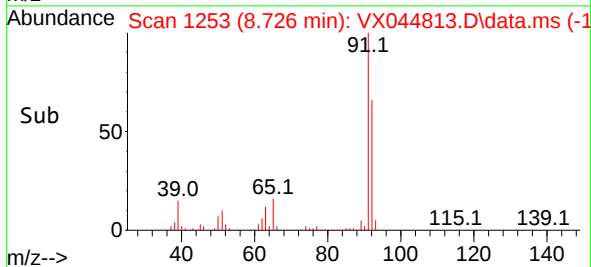
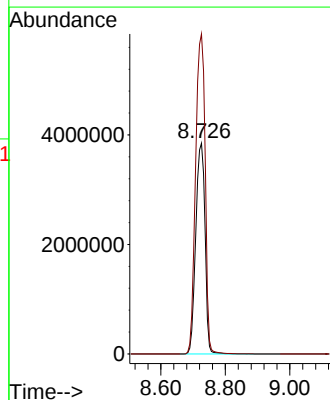
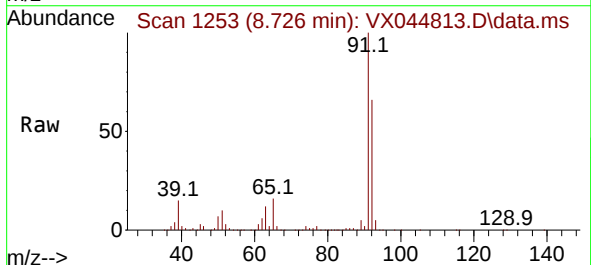
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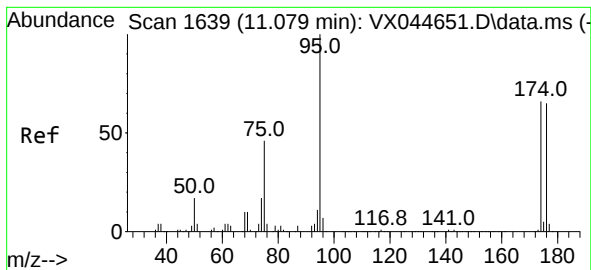
Tgt Ion: 98 Resp: 289439
Ion Ratio Lower Upper
98 100
100 65.9 53.2 79.8



#52
Toluene
Concen: 1864.176 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion: 92 Resp: 7645940
Ion Ratio Lower Upper
92 100
91 157.8 135.7 203.5

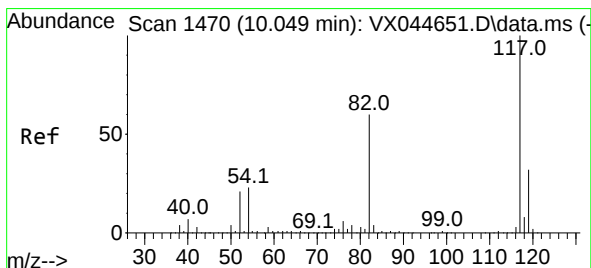
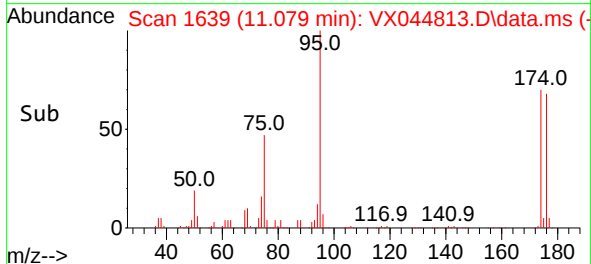
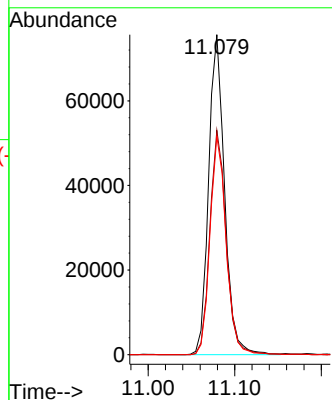
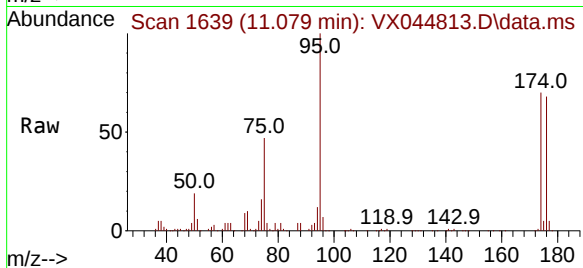




#62
4-Bromofluorobenzene
Concen: 47.979 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

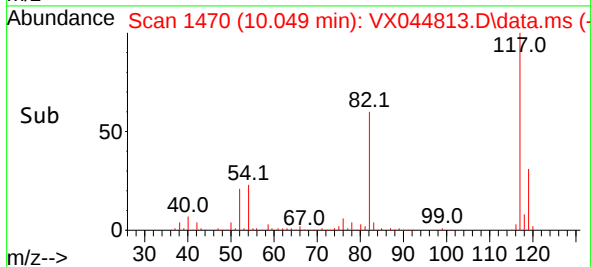
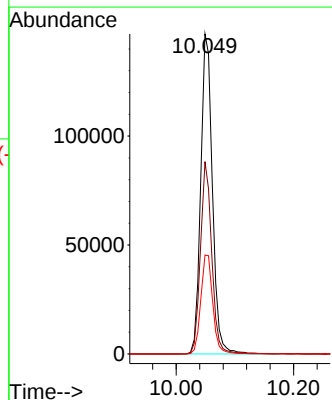
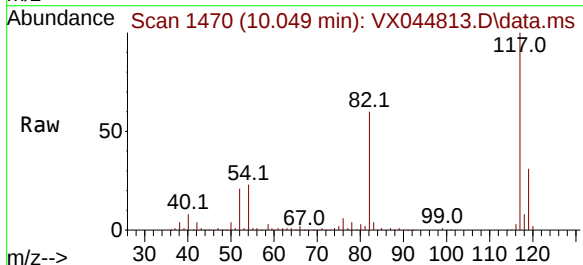
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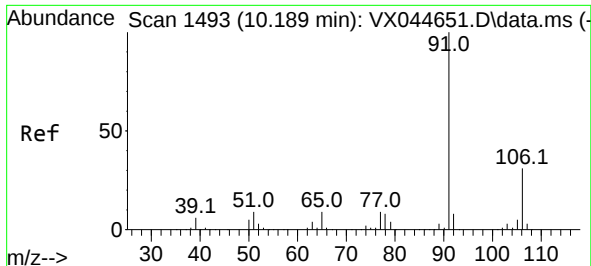
Tgt Ion: 95 Resp: 96884
Ion Ratio Lower Upper
95 100
174 71.6 0.0 133.0
176 69.0 0.0 129.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion: 117 Resp: 203047
Ion Ratio Lower Upper
117 100
82 60.1 47.6 71.4
119 30.9 25.4 38.2

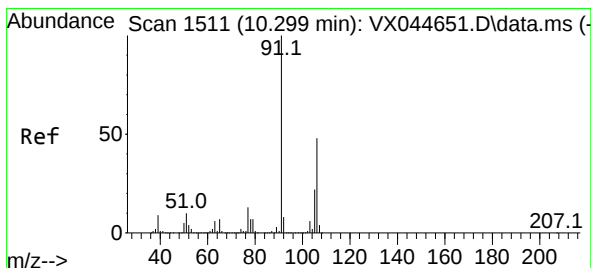
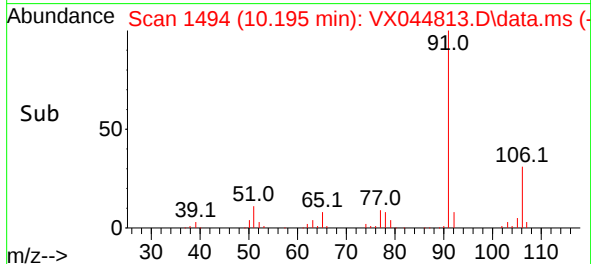
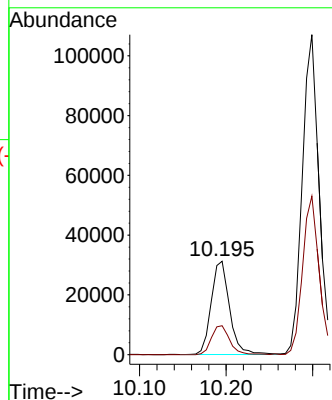
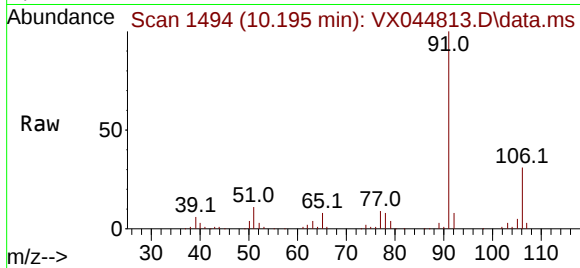




#67
Ethyl Benzene
Concen: 6.111 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

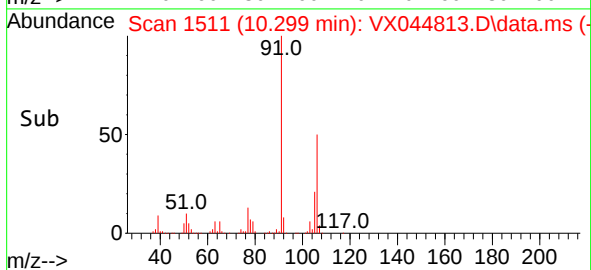
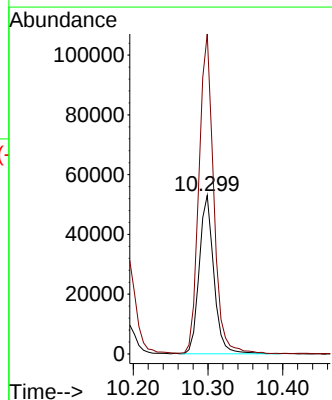
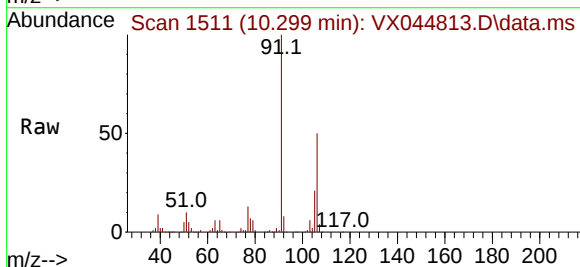
Instrument :
MSVOA_X
ClientSampleId :
BELL-25-002

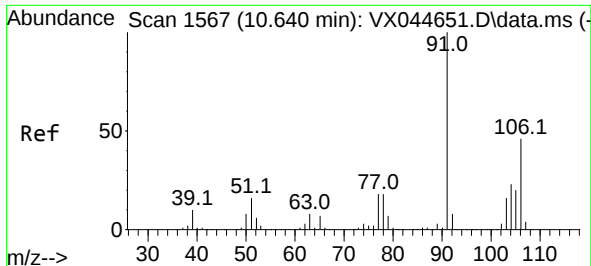
Tgt Ion: 91 Resp: 45984
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



#68
m/p-Xylenes
Concen: 25.781 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion: 106 Resp: 71995
Ion Ratio Lower Upper
106 100
91 202.7 166.4 249.6

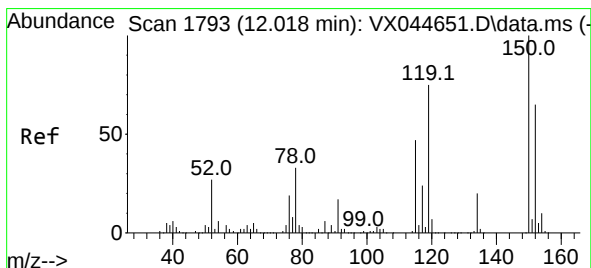
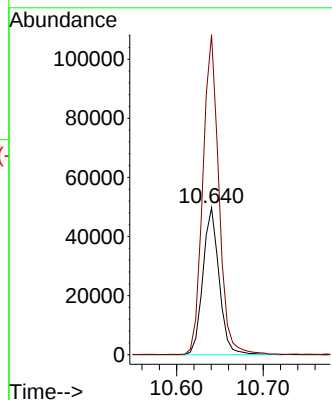
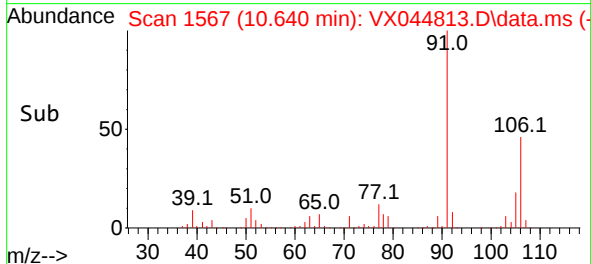
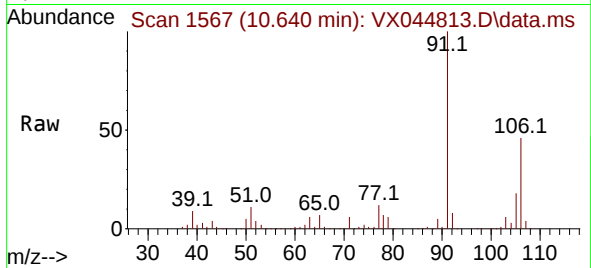




#69
o-Xylene
Concen: 22.872 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

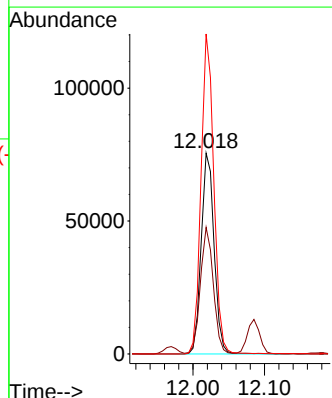
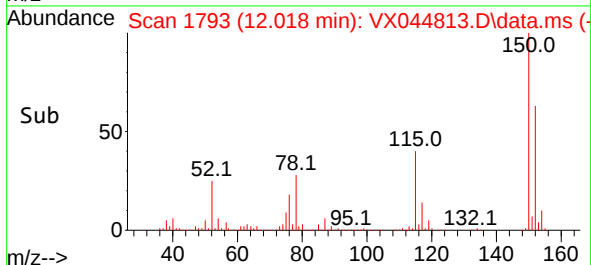
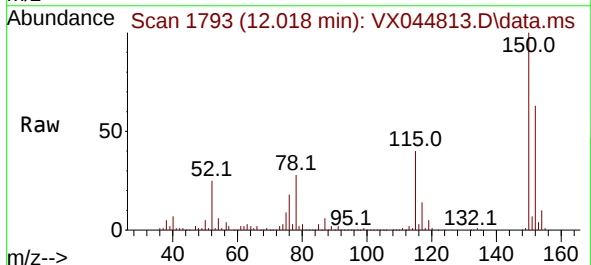
Instrument :
MSVOA_X
ClientSampleId :
BELL-25-002

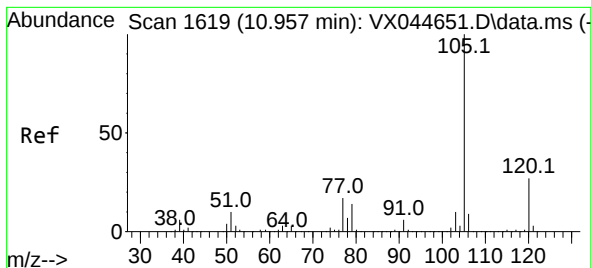
Tgt Ion:106 Resp: 64593
Ion Ratio Lower Upper
106 100
91 215.7 108.7 326.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion:152 Resp: 94837
Ion Ratio Lower Upper
152 100
115 63.0 43.8 131.4
150 156.9 0.0 347.8





#73

Isopropylbenzene

Concen: 3.071 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX044813.D

Acq: 03 Feb 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

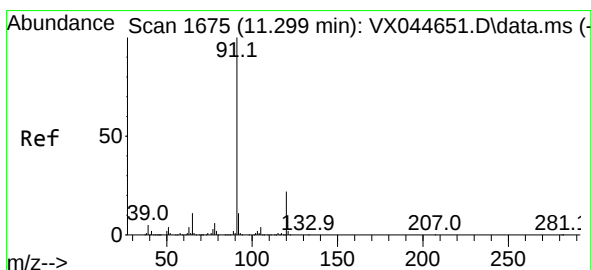
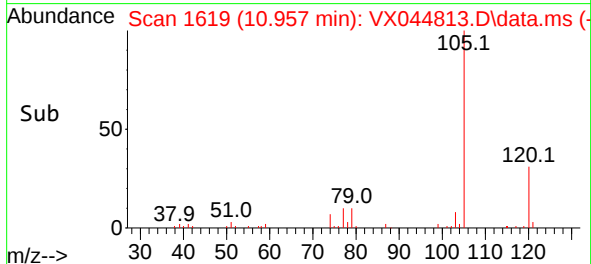
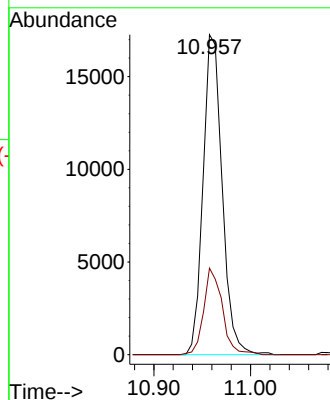
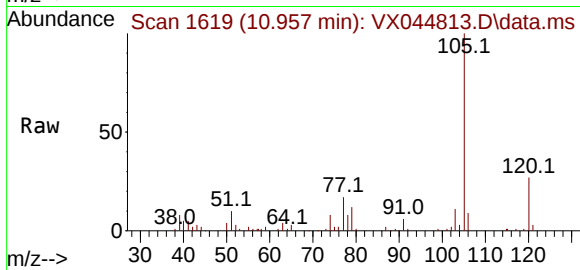
BELL-25-002

Tgt Ion:105 Resp: 23792

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#78

n-propylbenzene

Concen: 10.140 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044813.D

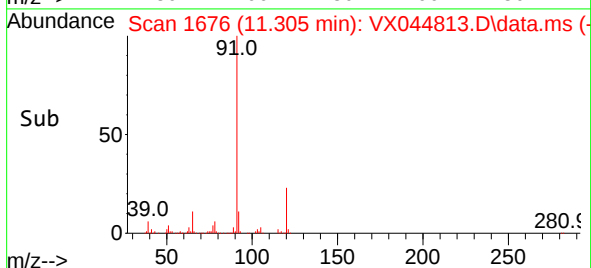
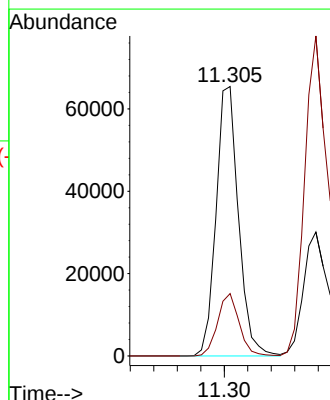
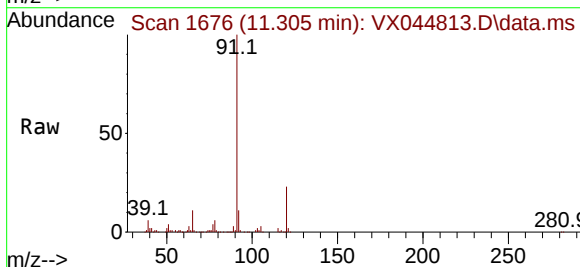
Acq: 03 Feb 2025 14:36

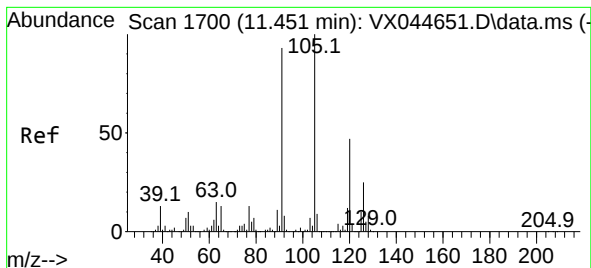
Tgt Ion: 91 Resp: 86637

Ion Ratio Lower Upper

91 100

120 22.4 11.4 34.1

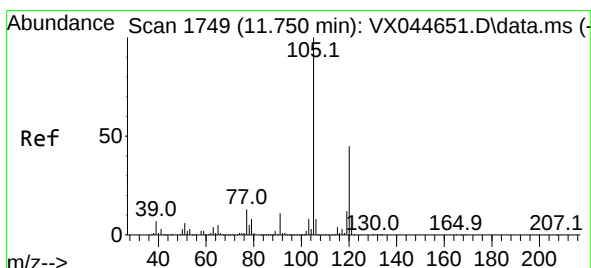
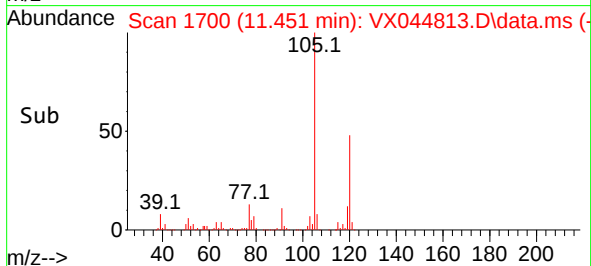
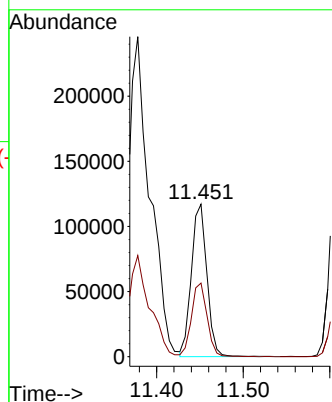
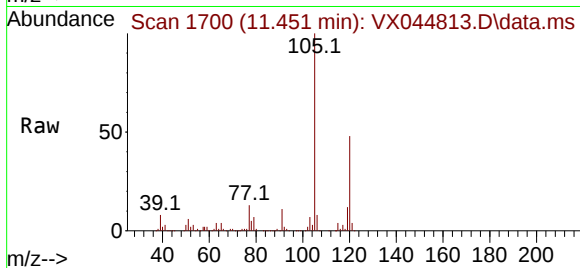




#80
1,3,5-Trimethylbenzene
Concen: 23.058 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

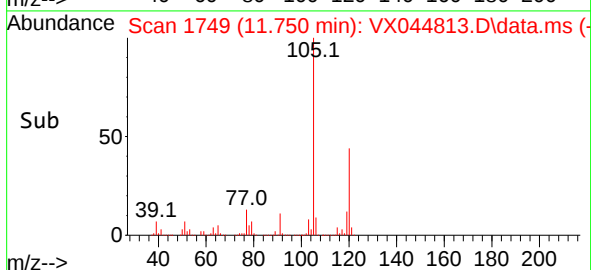
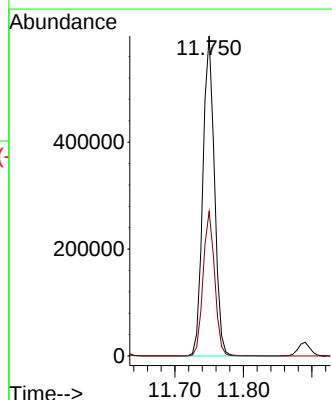
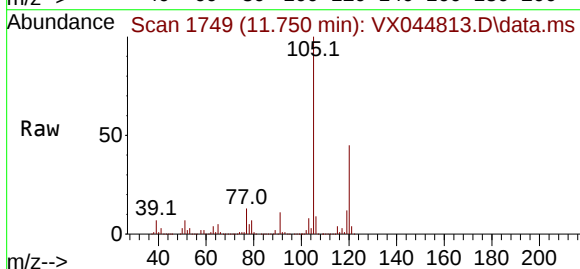
Instrument :
MSVOA_X
ClientSampleId :
BELL-25-002

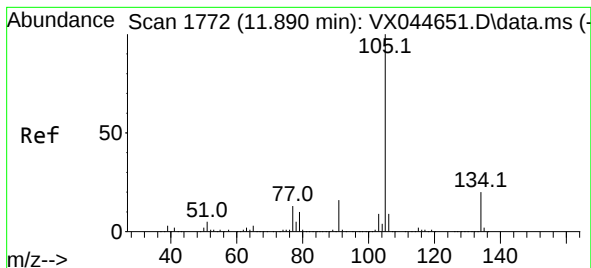
Tgt Ion:105 Resp: 145429
Ion Ratio Lower Upper
105 100
120 48.8 23.7 71.1



#84
1,2,4-Trimethylbenzene
Concen: 110.217 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion:105 Resp: 706395
Ion Ratio Lower Upper
105 100
120 45.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 4.060 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044813.D

Acq: 03 Feb 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

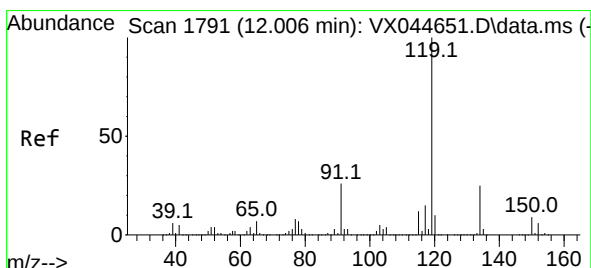
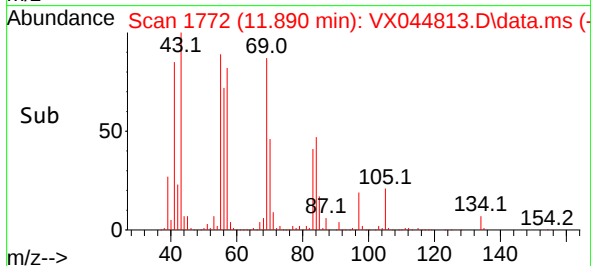
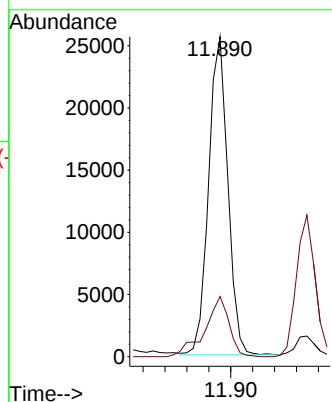
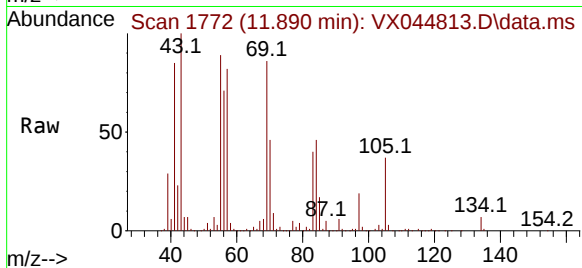
BELL-25-002

Tgt Ion:105 Resp: 31174

Ion Ratio Lower Upper

105 100

134 23.9 9.8 29.5



#86

p-Isopropyltoluene

Concen: 3.428 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044813.D

Acq: 03 Feb 2025 14:36

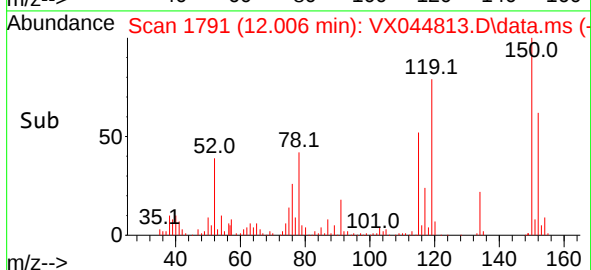
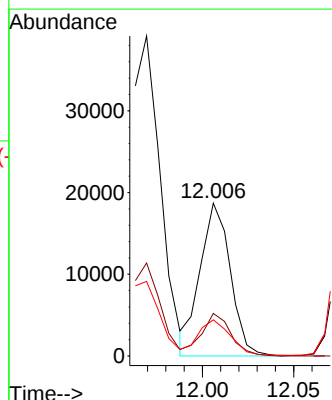
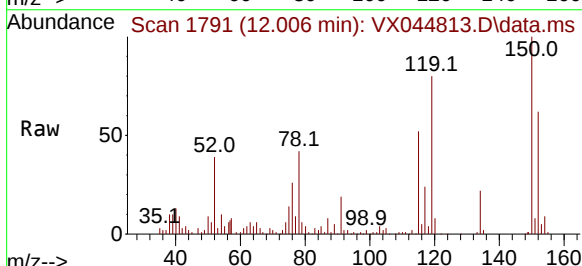
Tgt Ion:119 Resp: 21632

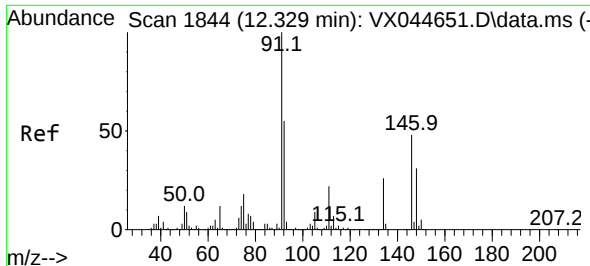
Ion Ratio Lower Upper

119 100

134 27.2 12.8 38.4

91 24.4 12.7 38.1

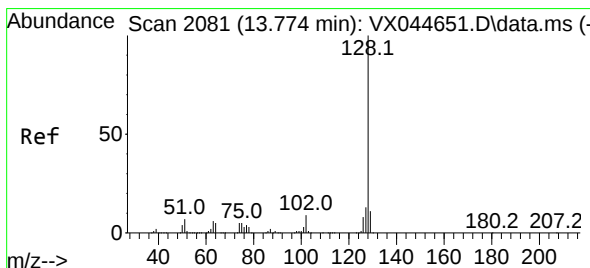
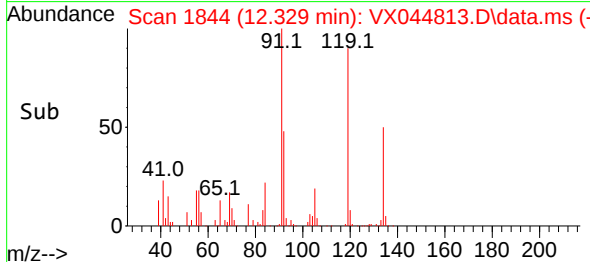
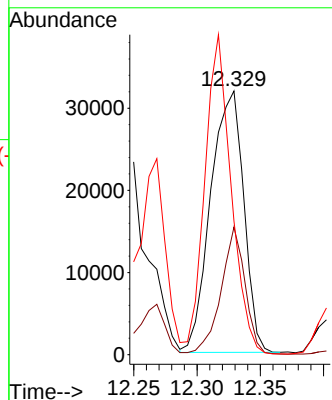
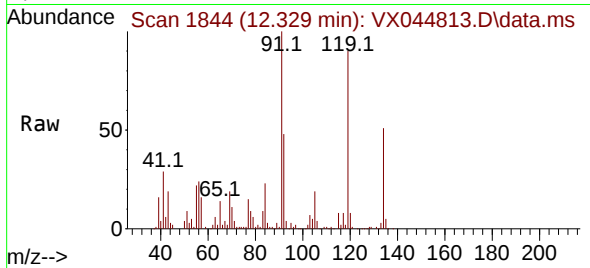




#89
n-Butylbenzene
Concen: 10.649 ug/l
RT: 12.329 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Instrument :
MSVOA_X
ClientSampleId :
BELL-25-002

Tgt Ion: 91 Resp: 57718
Ion Ratio Lower Upper
91 100
92 35.8 27.4 82.0
134 97.7 12.8 38.3#



#95
Naphthalene
Concen: 38.249 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044813.D
Acq: 03 Feb 2025 14:36

Tgt Ion:128 Resp: 284427
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.3 8.7 13.1

