

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044992.D
 Acq On : 18 Feb 2025 16:54
 Operator : JC/MD
 Sample : Q1376-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW32

Quant Time: Feb 21 22:46:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

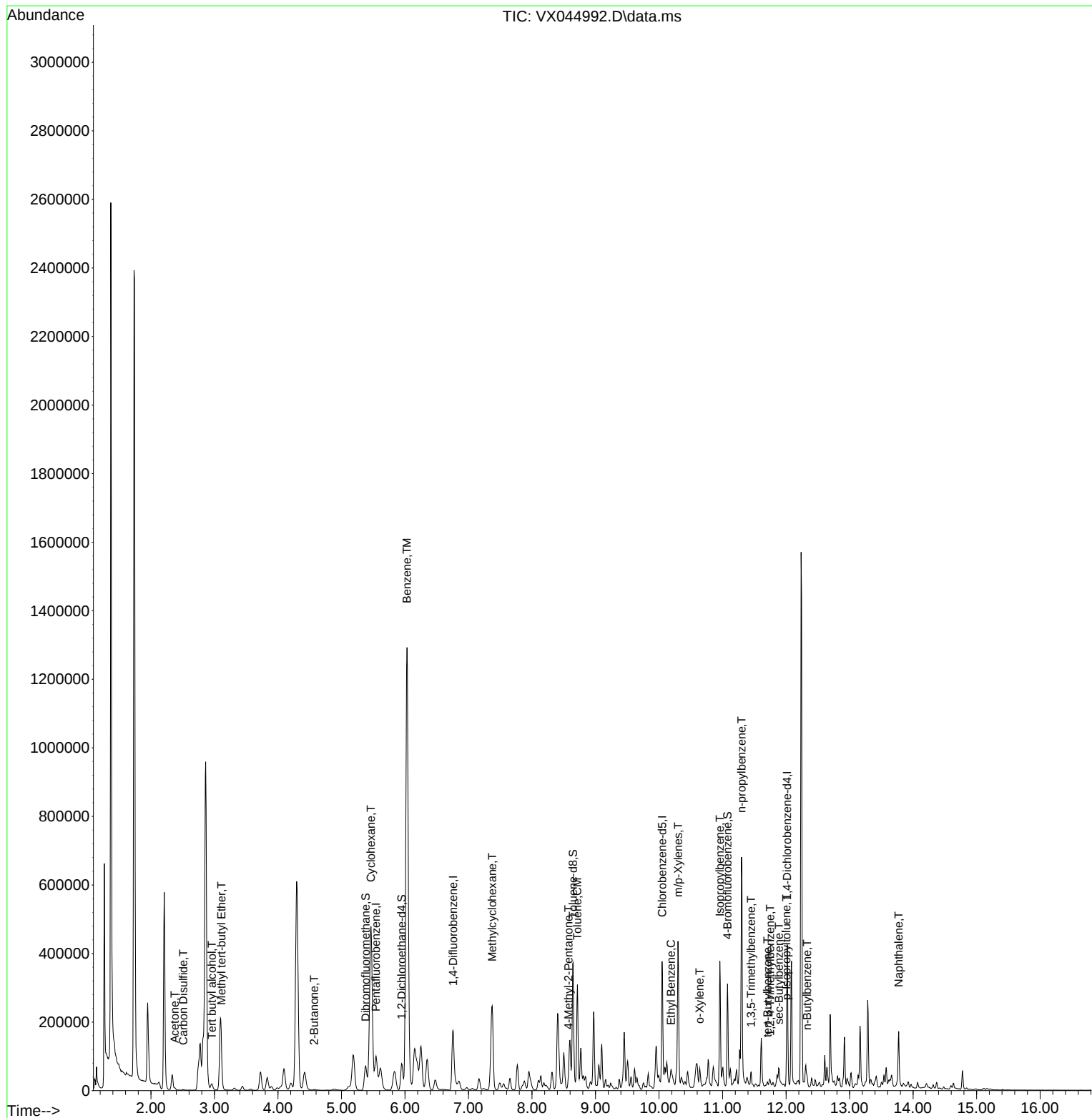
Internal Standards						
1) Pentafluorobenzene	5.544	168	91141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	179653	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	72164	54.090	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.180%	
35) Dibromofluoromethane	5.379	113	61135	52.340	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.680%	
50) Toluene-d8	8.647	98	222767	50.436	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.880%	
62) 4-Bromofluorobenzene	11.079	95	82970	55.722	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	21763	87.929	ug/l #	73
16) Acetone	2.373	43	5389	10.048	ug/l	92
17) Carbon Disulfide	2.508	76	2040	0.633	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	8528	2.282	ug/l #	1
25) 2-Butanone	4.568	43	3338	3.833	ug/l	94
31) Cyclohexane	5.464	56	343918	165.993	ug/l	98
39) Methylcyclohexane	7.373	83	103342	47.434	ug/l	91
40) Benzene	6.031	78	1563555	297.136	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	21021	11.423	ug/l #	82
52) Toluene	8.714	92	111679	35.636	ug/l	100
67) Ethyl Benzene	10.189	91	24291	3.854	ug/l	100
68) m/p-Xylenes	10.299	106	86845	37.353	ug/l	97
69) o-Xylene	10.640	106	8399	3.600	ug/l	97
73) Isopropylbenzene	10.957	105	184014	29.986	ug/l	100
78) n-propylbenzene	11.299	91	404384	57.090	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	17175	3.449	ug/l	100
83) tert-Butylbenzene	11.707	119	2260	0.449	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	2703	0.550	ug/l	82
85) sec-Butylbenzene	11.890	105	14375	2.304	ug/l	92
86) p-Isopropyltoluene	12.006	119	5753	1.147	ug/l #	76
89) n-Butylbenzene	12.329	91	11603	2.614	ug/l #	74
95) Naphthalene	13.774	128	96178	17.486	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

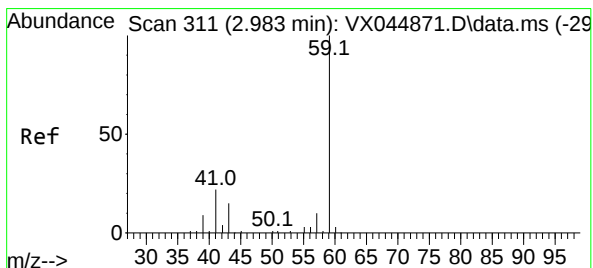
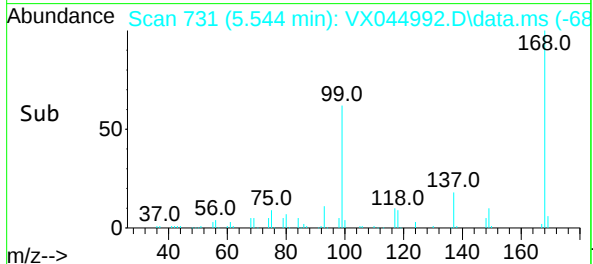
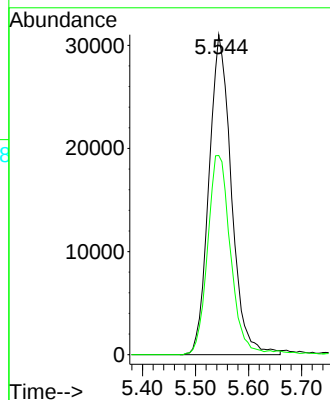
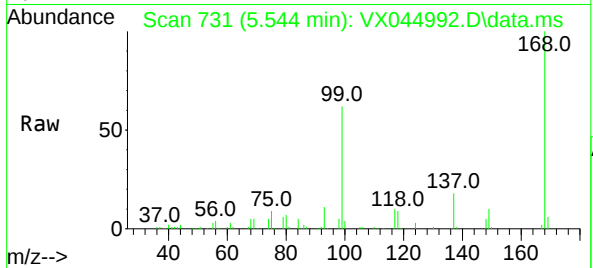




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

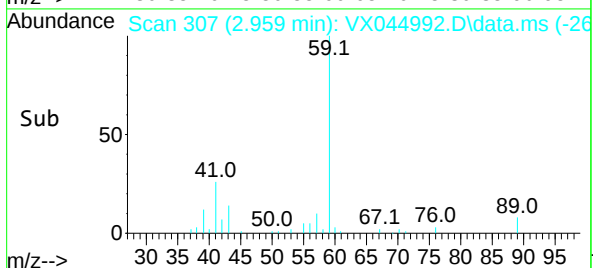
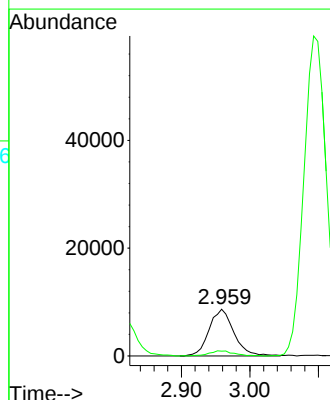
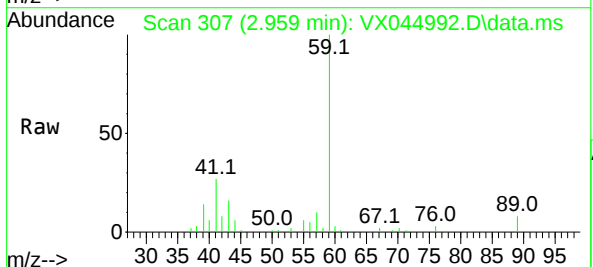
Instrument :
MSVOA_X
ClientSampleId :
MW32

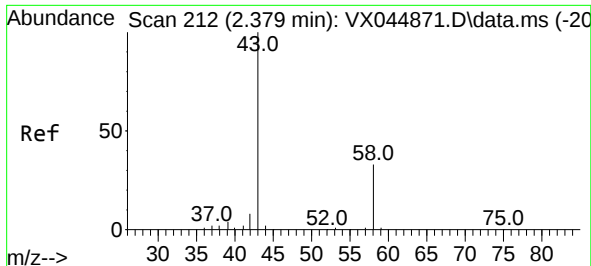
Tgt Ion:168 Resp: 91141
Ion Ratio Lower Upper
168 100
99 62.2 51.2 76.8



#11
Tert butyl alcohol
Concen: 87.929 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 59 Resp: 21763
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

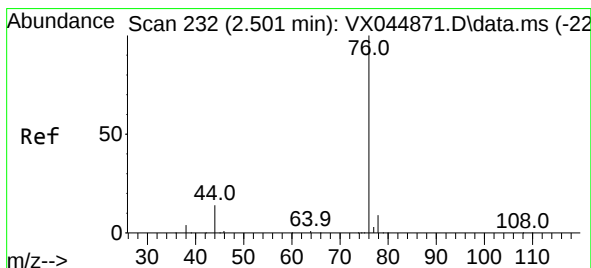
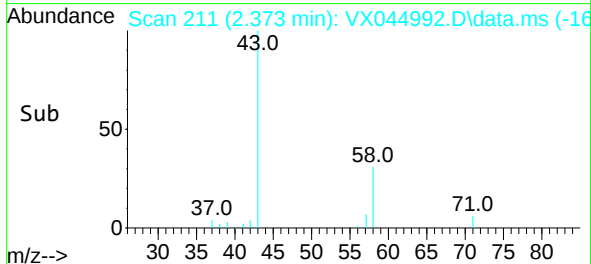
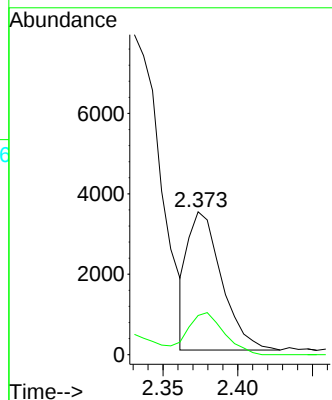
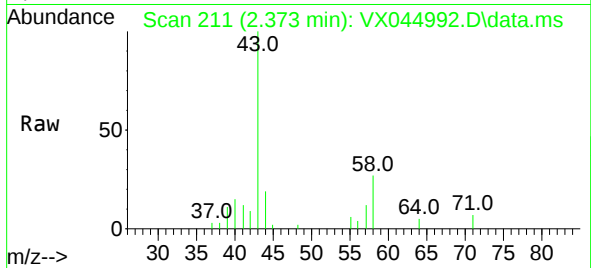




#16
Acetone
Concen: 10.048 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

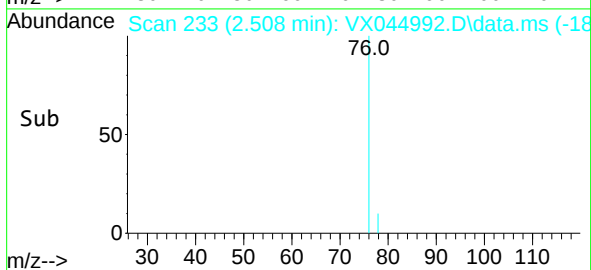
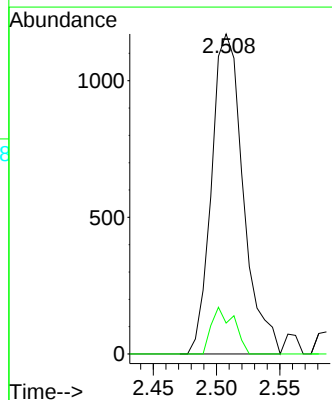
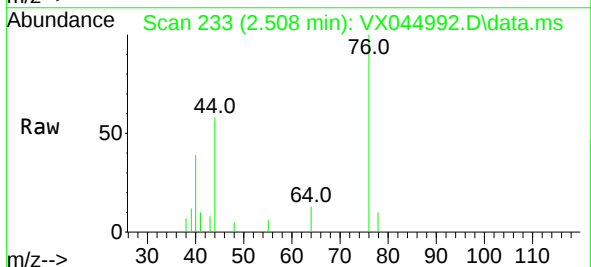
Instrument :
MSVOA_X
ClientSampleId :
MW32

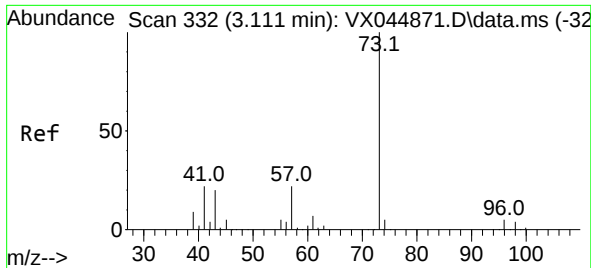
Tgt Ion: 43 Resp: 5389
Ion Ratio Lower Upper
43 100
58 28.4 26.5 39.7



#17
Carbon Disulfide
Concen: 0.633 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 76 Resp: 2040
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4

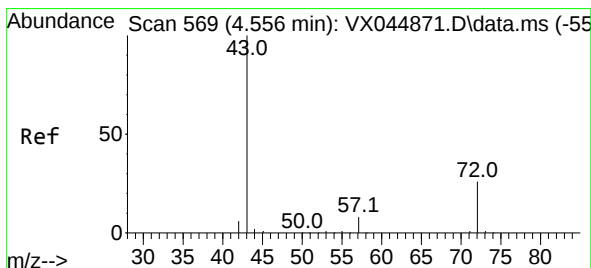
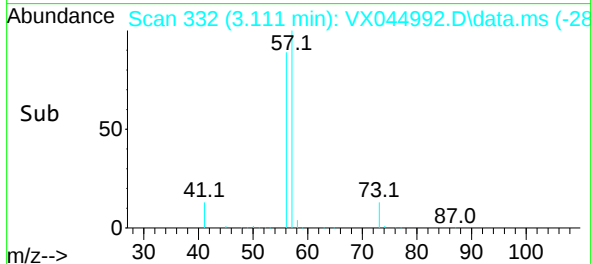
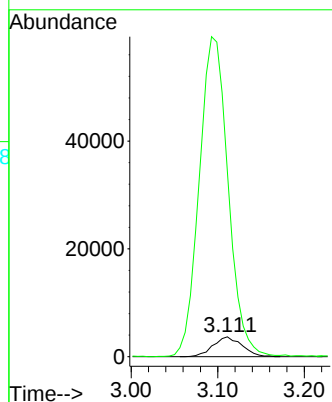
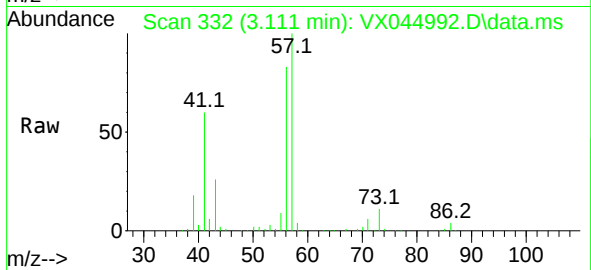




#19
Methyl tert-butyl Ether
Concen: 2.282 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

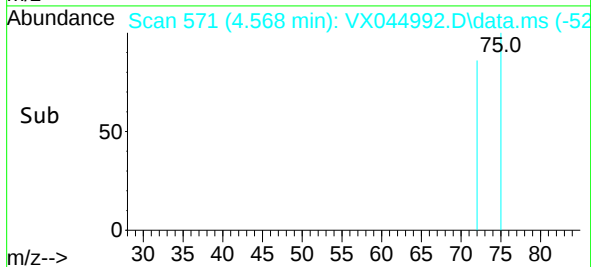
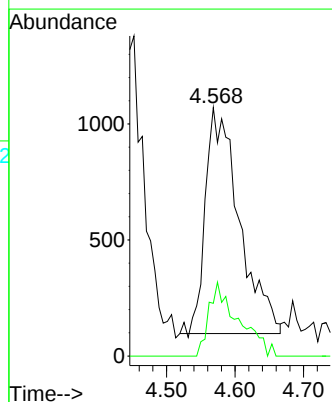
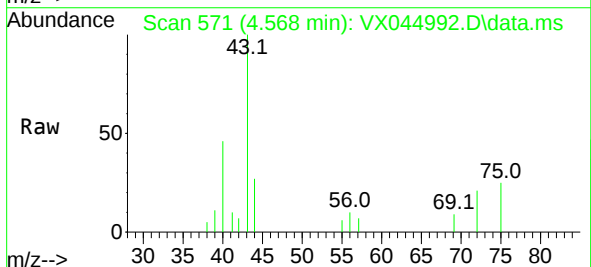
Instrument :
MSVOA_X
ClientSampleId :
MW32

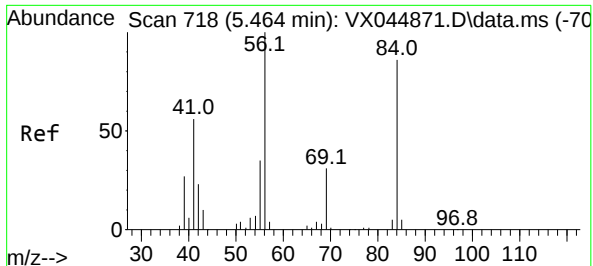
Tgt Ion: 73 Resp: 8528
Ion Ratio Lower Upper
73 100
57 923.0 17.9 26.9#



#25
2-Butanone
Concen: 3.833 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 43 Resp: 3338
Ion Ratio Lower Upper
43 100
72 23.3 21.2 31.8

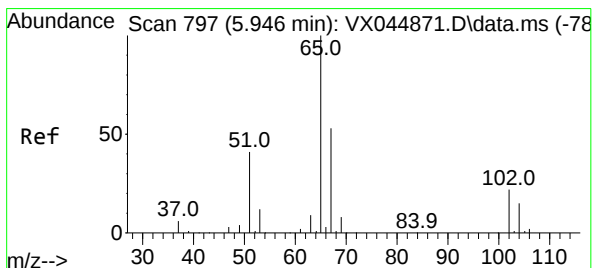
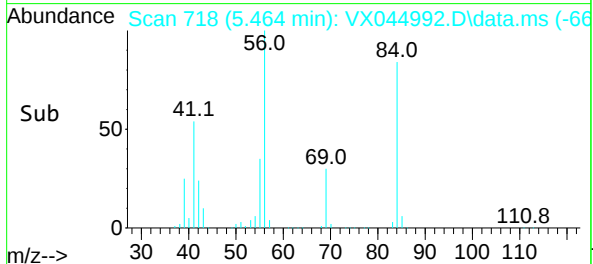
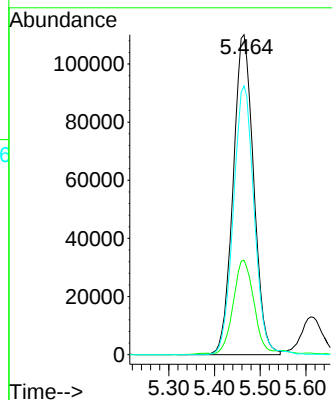
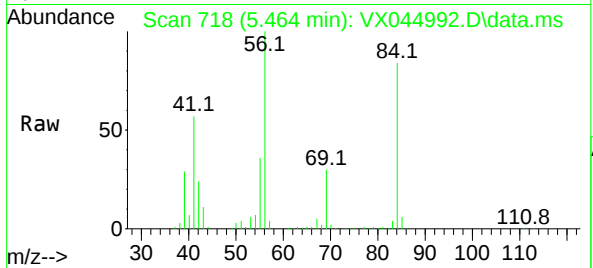




#31
Cyclohexane
Concen: 165.993 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

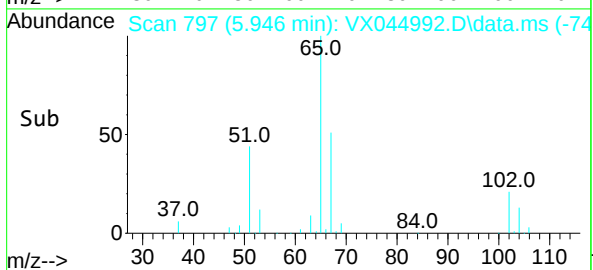
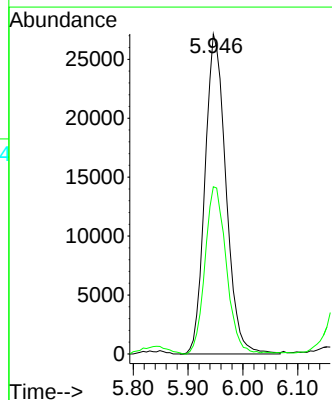
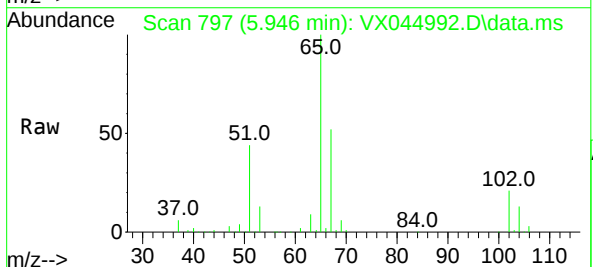
Instrument :
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ClientSampleId :
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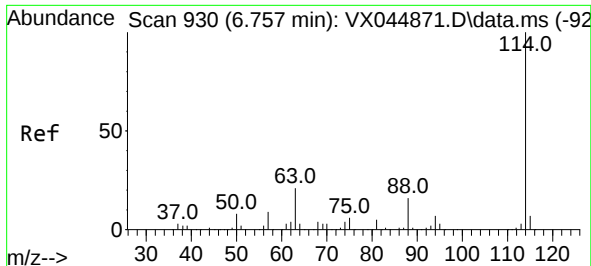
Tgt Ion: 56 Resp: 343918
Ion Ratio Lower Upper
56 100
69 29.6 24.4 36.6
84 84.0 69.0 103.6



#33
1,2-Dichloroethane-d4
Concen: 54.090 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 65 Resp: 72164
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.2

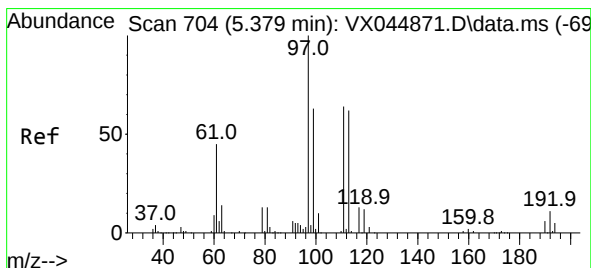
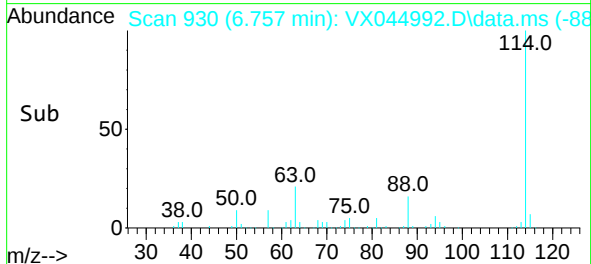
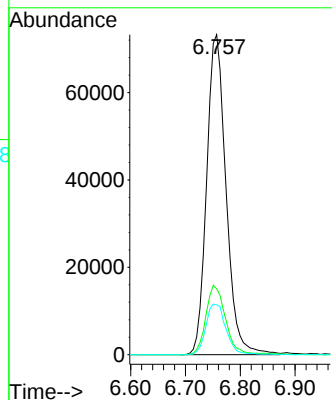
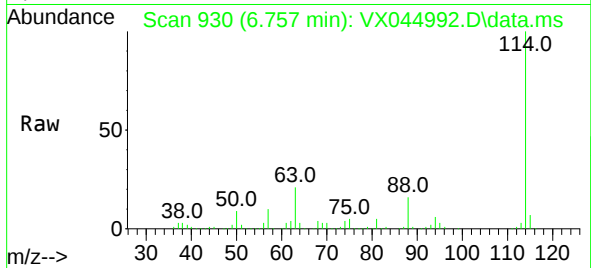




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

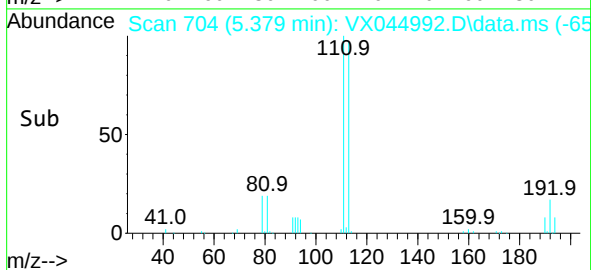
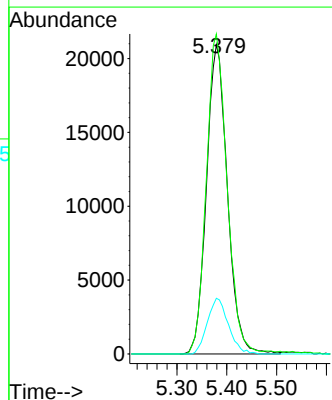
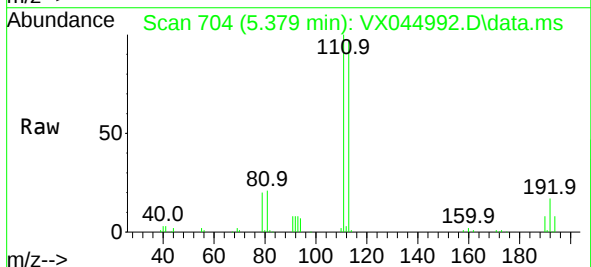
Instrument :
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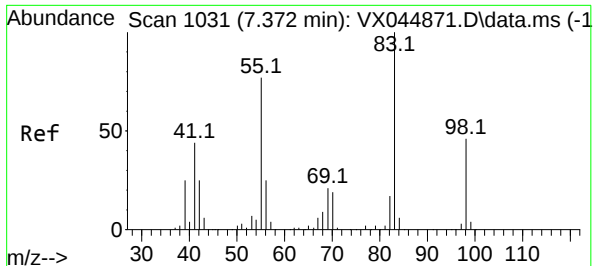
Tgt Ion:114 Resp: 179653
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.4
88 15.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.340 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:113 Resp: 61135
Ion Ratio Lower Upper
113 100
111 102.2 83.5 125.3
192 18.0 14.4 21.6





#39

Methylcyclohexane

Concen: 47.434 ug/l

RT: 7.373 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044992.D

Acq: 18 Feb 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

MW32

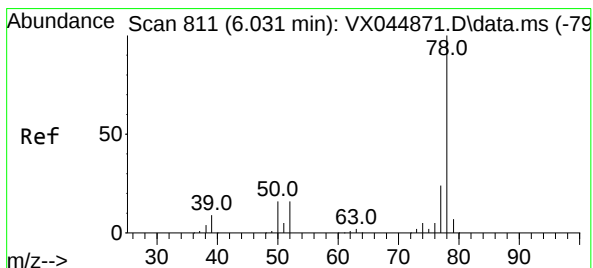
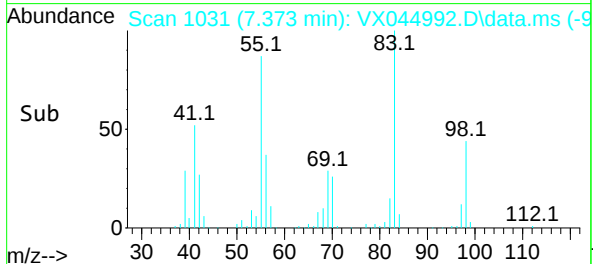
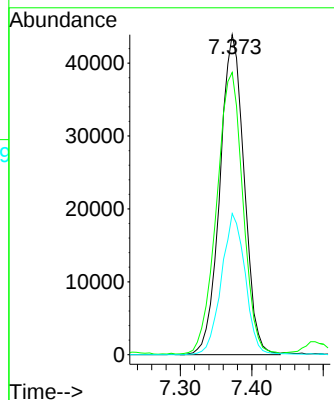
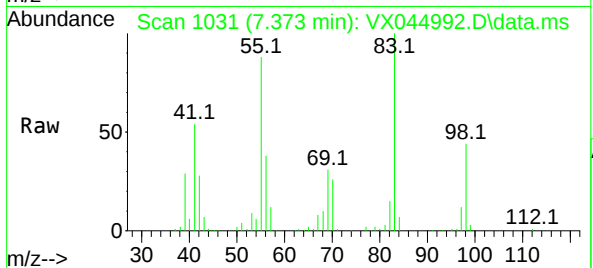
Tgt Ion: 83 Resp: 103342

Ion Ratio Lower Upper

83 100

55 87.9 61.3 91.9

98 44.1 37.0 55.6



#40

Benzene

Concen: 297.136 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044992.D

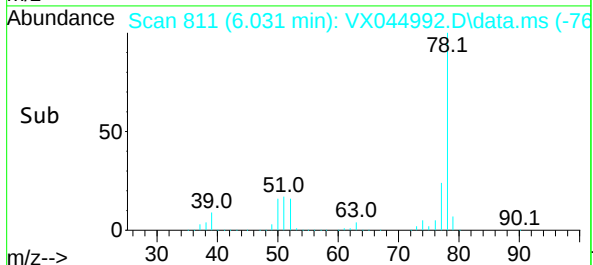
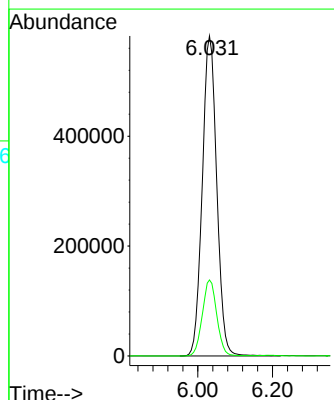
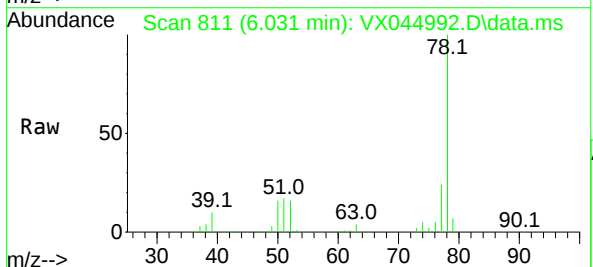
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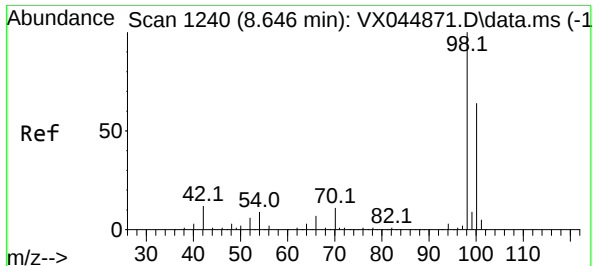
Tgt Ion: 78 Resp: 1563555

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

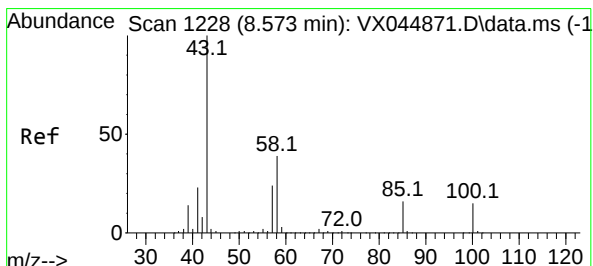
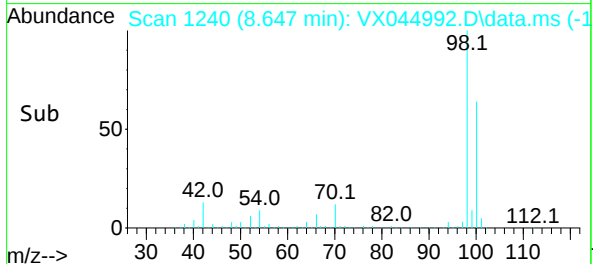
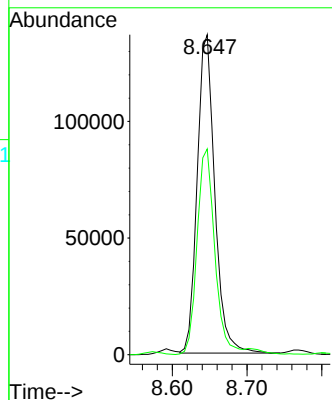
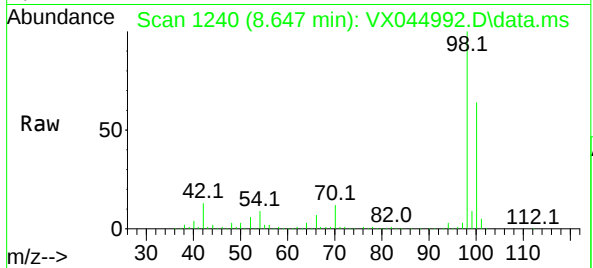




#50
Toluene-d8
Concen: 50.436 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

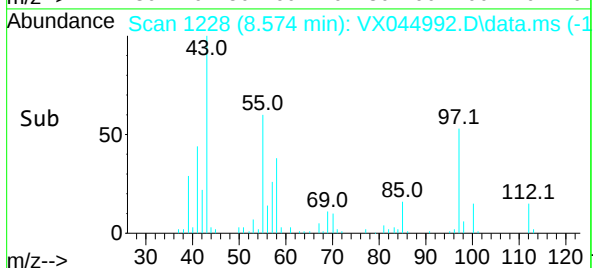
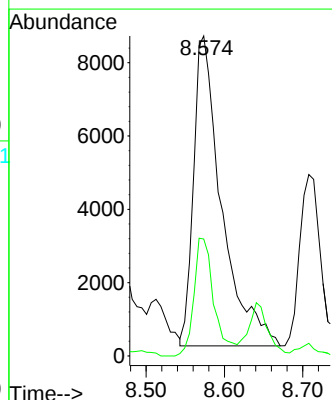
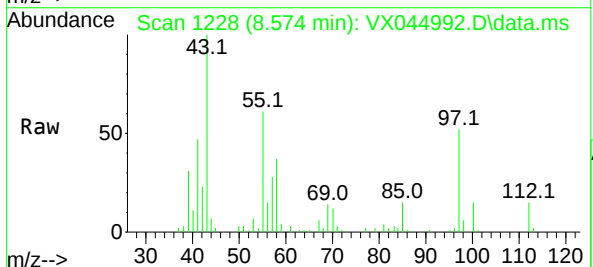
Instrument :
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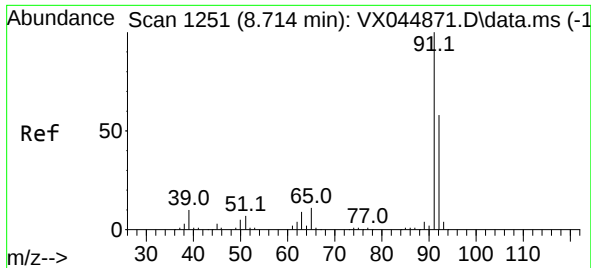
Tgt Ion: 98 Resp: 222767
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 11.423 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 43 Resp: 21021
Ion Ratio Lower Upper
43 100
58 27.4 30.8 46.2#

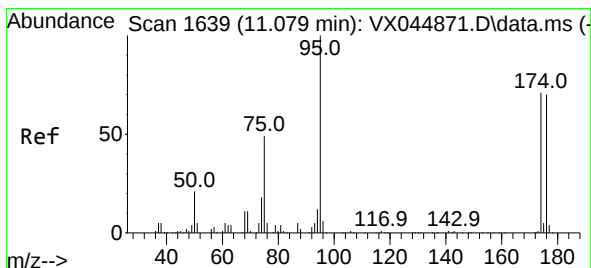
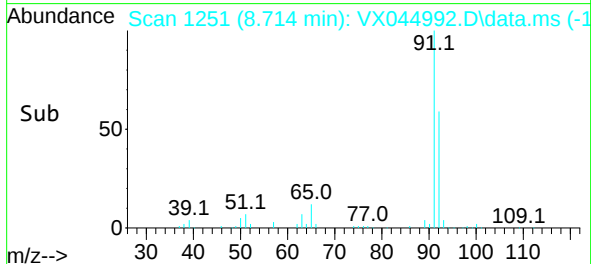
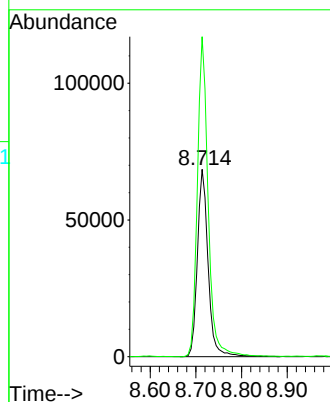
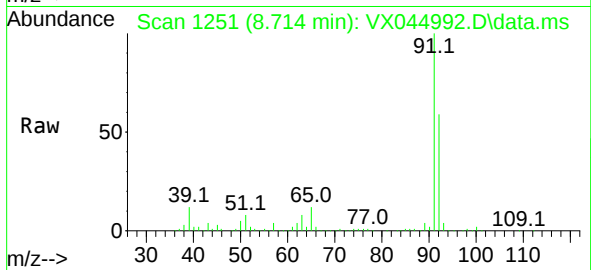




#52
Toluene
Concen: 35.636 ug/l
RT: 8.714 min Scan# 111679
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

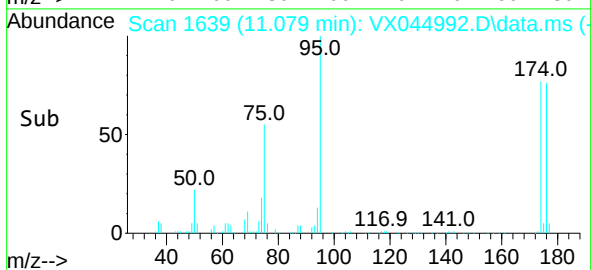
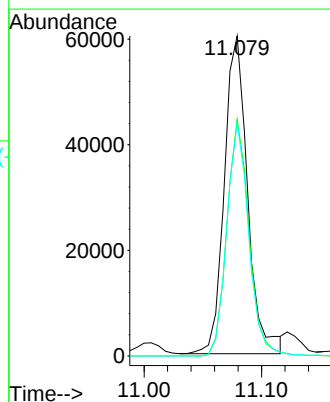
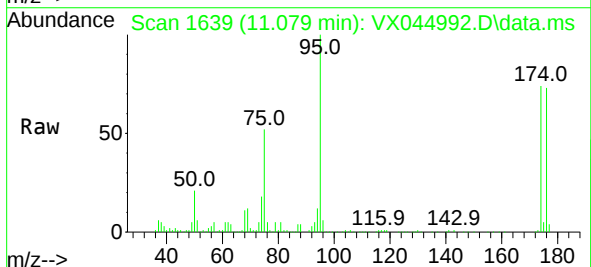
Instrument :
MSVOA_X
ClientSampleId :
MW32

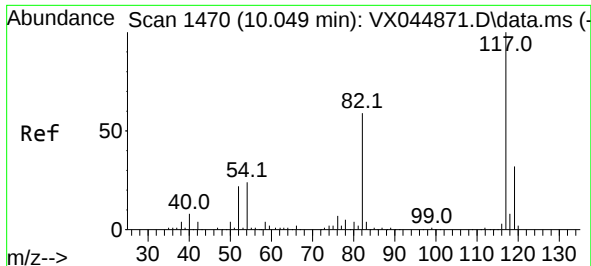
Tgt Ion: 92 Resp: 111679
Ion Ratio Lower Upper
92 100
91 171.4 137.4 206.2



#62
4-Bromofluorobenzene
Concen: 55.722 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 95 Resp: 82970
Ion Ratio Lower Upper
95 100
174 70.9 0.0 142.6
176 69.1 0.0 141.6

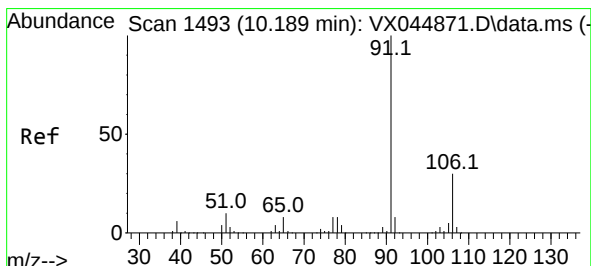
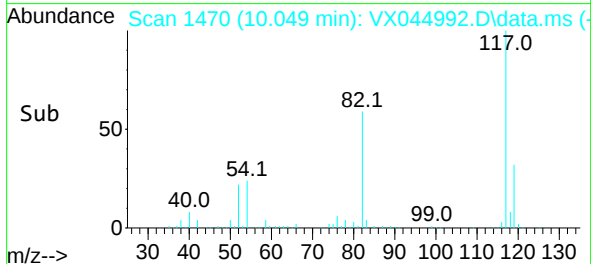
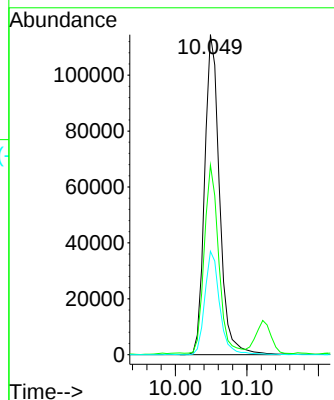
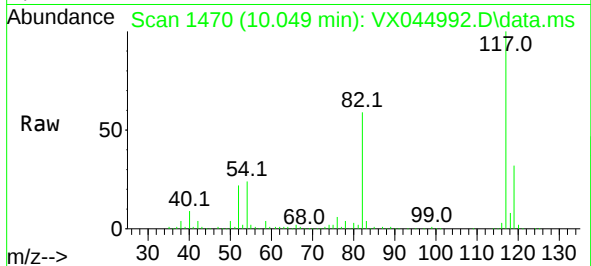




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

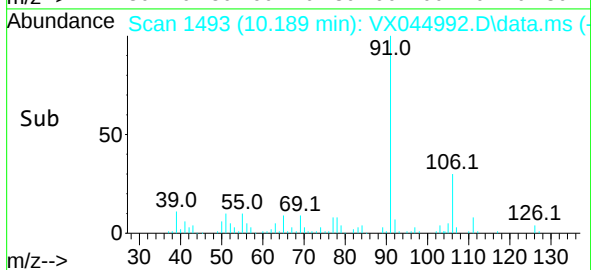
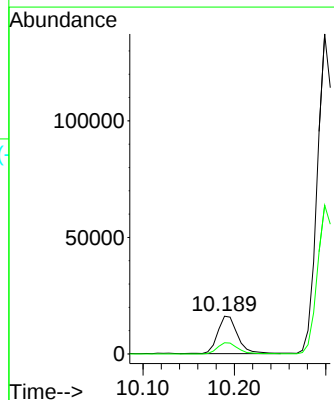
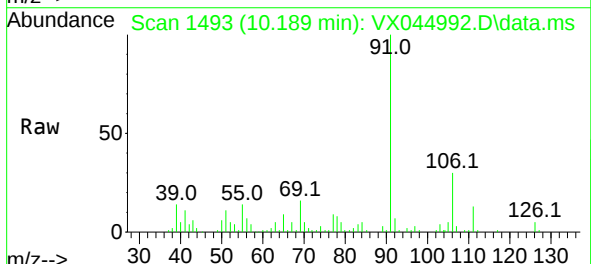
Instrument :
MSVOA_X
ClientSampleId :
MW32

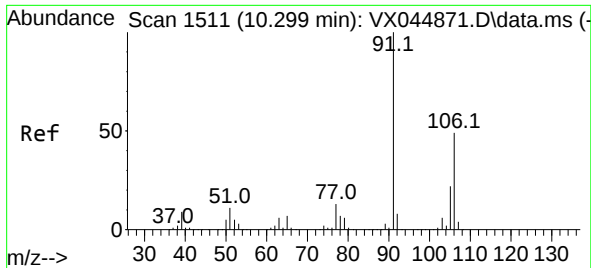
Tgt Ion:117 Resp: 166286
Ion Ratio Lower Upper
117 100
82 58.7 47.5 71.3
119 32.3 25.4 38.0



#67
Ethyl Benzene
Concen: 3.854 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 91 Resp: 24291
Ion Ratio Lower Upper
91 100
106 29.8 23.9 35.9

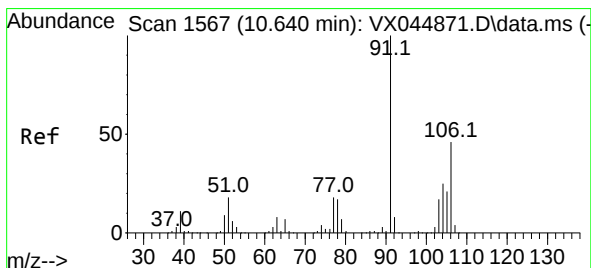
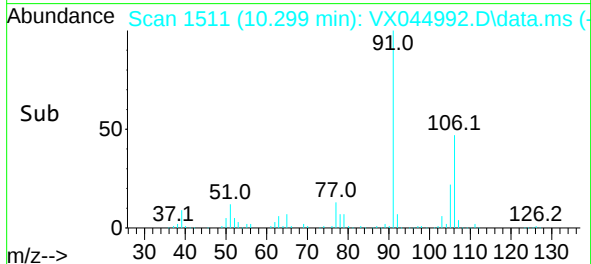
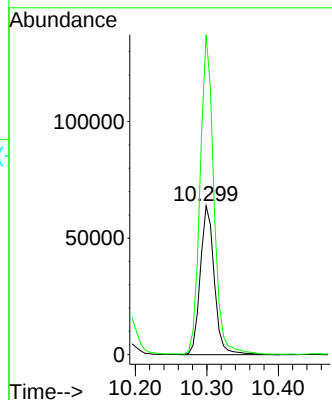
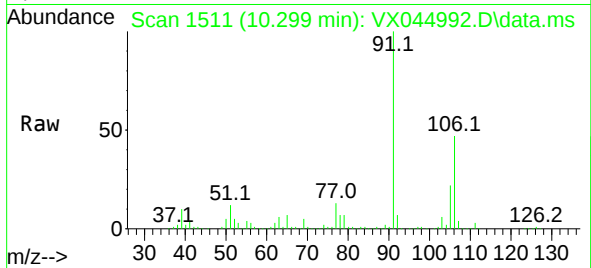




#68
m/p-Xylenes
Concen: 37.353 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

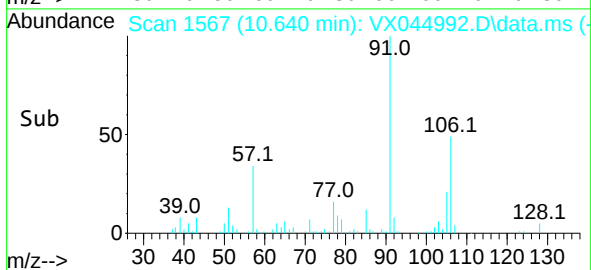
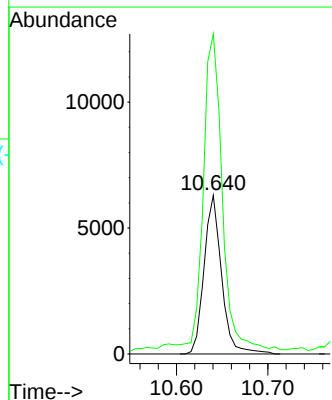
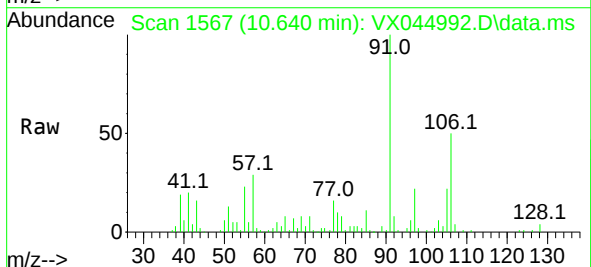
Instrument :
MSVOA_X
ClientSampleId :
MW32

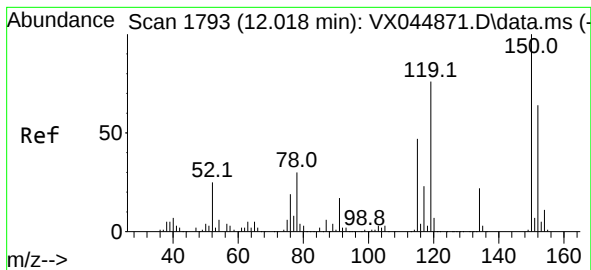
Tgt Ion:106 Resp: 86845
Ion Ratio Lower Upper
106 100
91 209.7 164.3 246.5



#69
o-Xylene
Concen: 3.600 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:106 Resp: 8399
Ion Ratio Lower Upper
106 100
91 212.5 108.5 325.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044992.D

Acq: 18 Feb 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

MW32

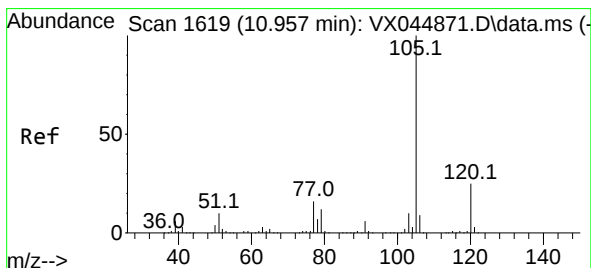
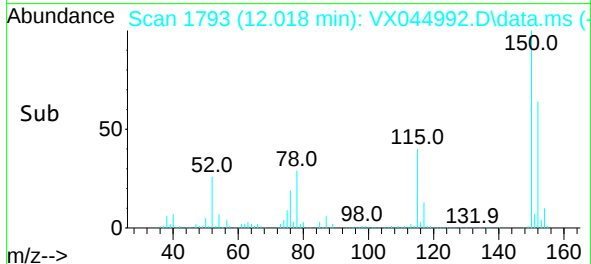
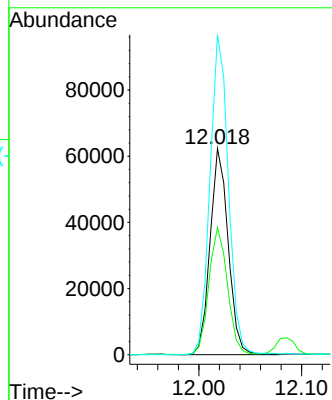
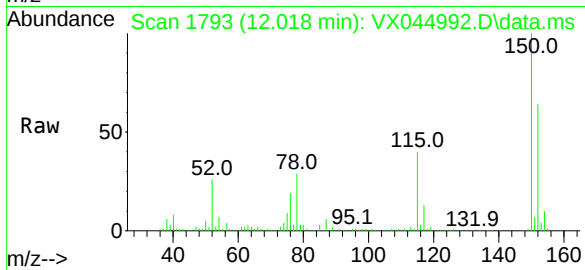
Tgt Ion:152 Resp: 76215

Ion Ratio Lower Upper

152 100

115 63.3 43.4 130.1

150 157.8 0.0 350.4



#73

Isopropylbenzene

Concen: 29.986 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX044992.D

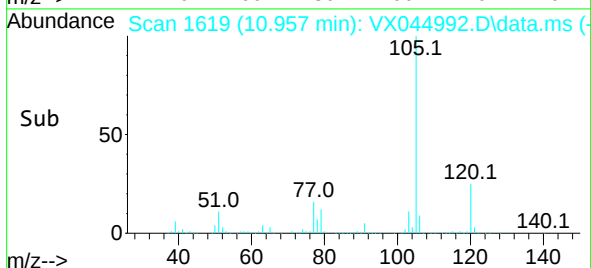
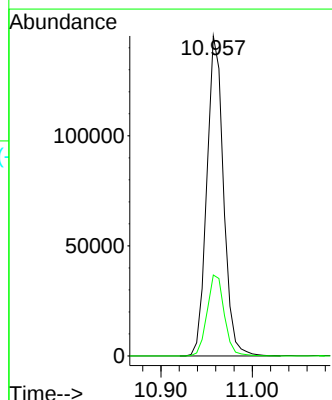
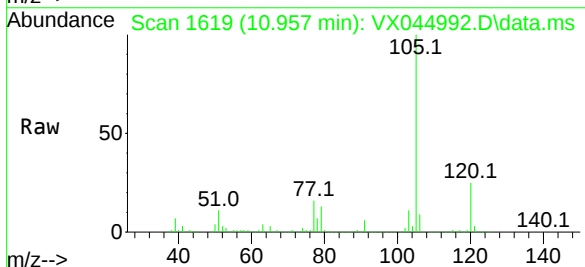
Acq: 18 Feb 2025 16:54

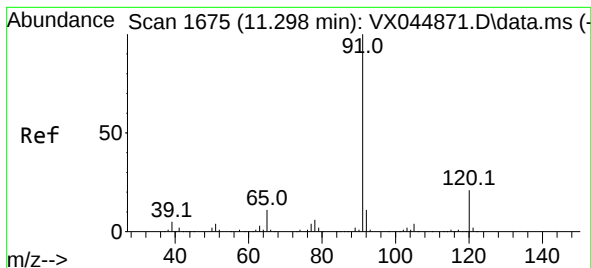
Tgt Ion:105 Resp: 184014

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.5





#78

n-propylbenzene

Concen: 57.090 ug/l

RT: 11.299 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044992.D

Acq: 18 Feb 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

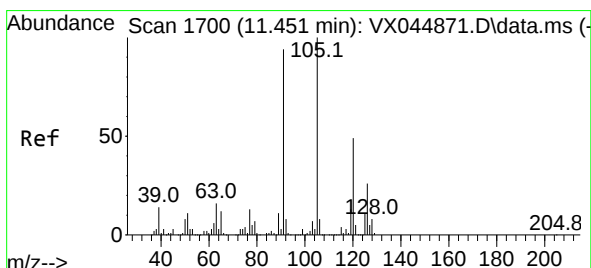
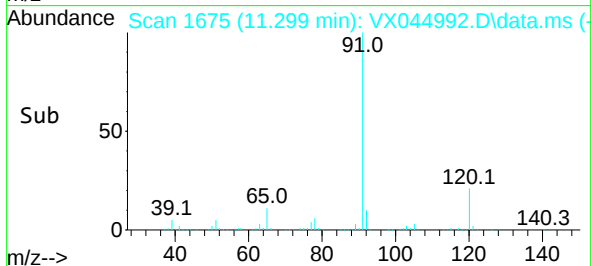
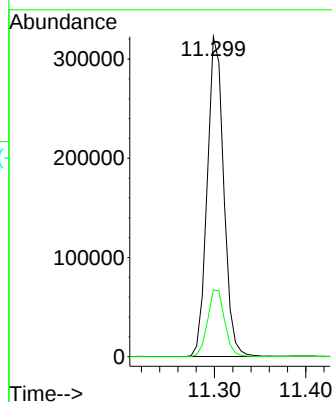
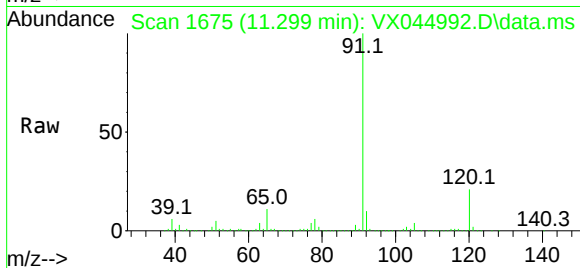
MW32

Tgt Ion: 91 Resp: 404384

Ion Ratio Lower Upper

91 100

120 21.7 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 3.449 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044992.D

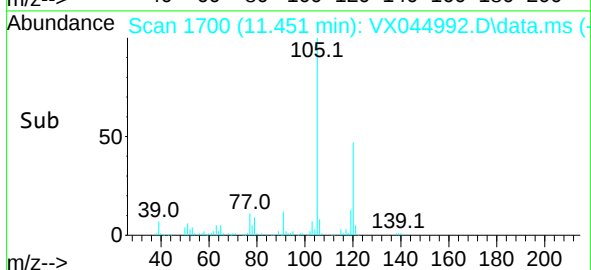
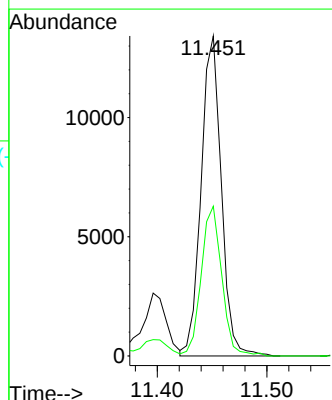
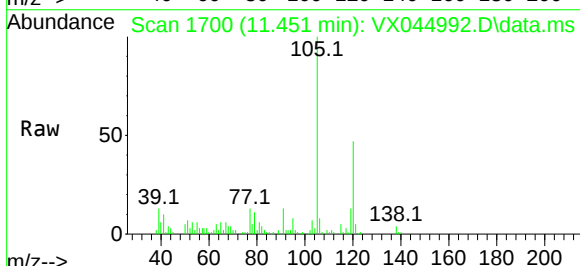
Acq: 18 Feb 2025 16:54

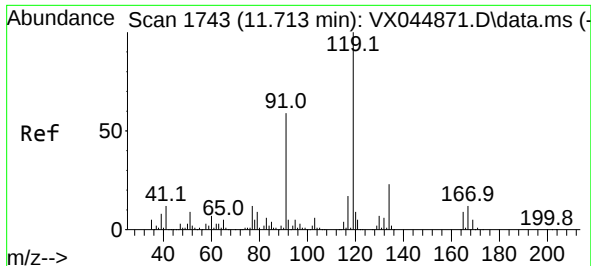
Tgt Ion:105 Resp: 17175

Ion Ratio Lower Upper

105 100

120 47.8 24.0 72.0

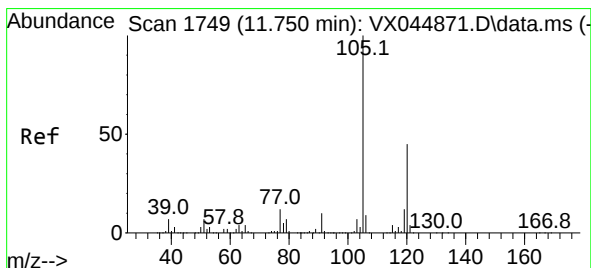
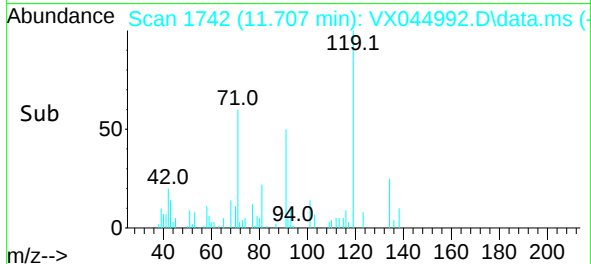
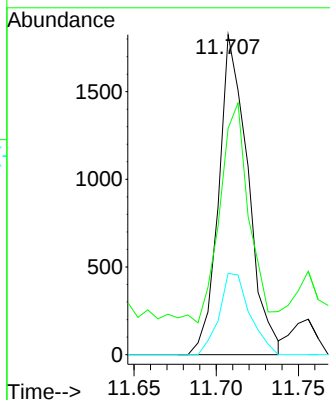
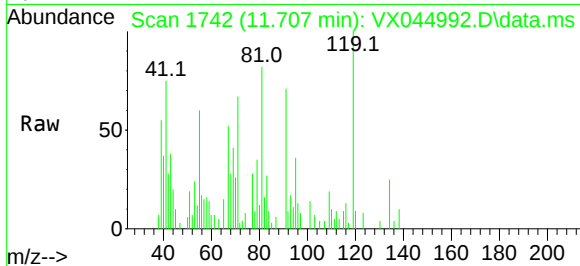




#83
tert-Butylbenzene
Concen: 0.449 ug/l
RT: 11.707 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

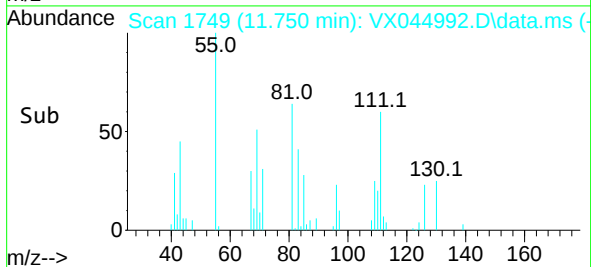
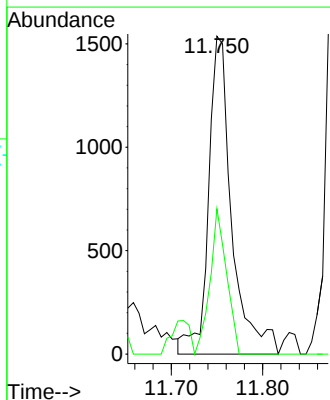
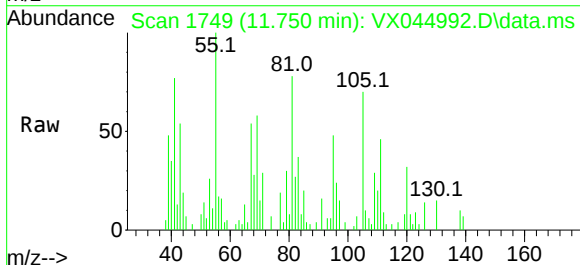
Instrument :
MSVOA_X
ClientSampleId :
MW32

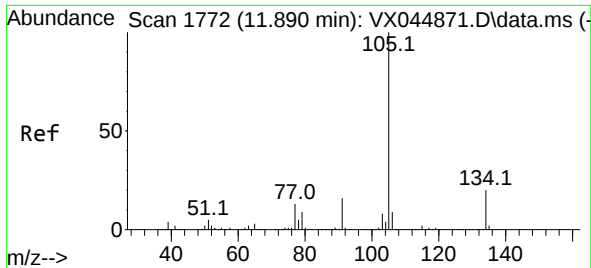
Tgt Ion:	119	Resp:	2260
Ion	Ratio	Lower	Upper
119	100		
91	63.9	29.1	87.4
134	26.5	11.5	34.5



#84
1,2,4-Trimethylbenzene
Concen: 0.550 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:	105	Resp:	2703
Ion	Ratio	Lower	Upper
105	100		
120	32.7	22.4	67.0

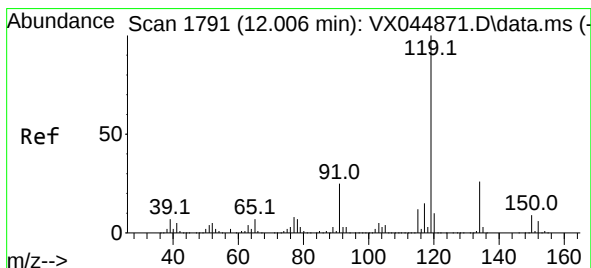
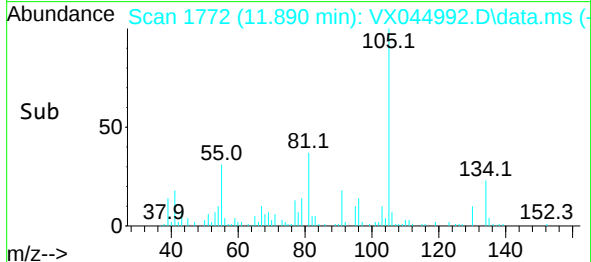
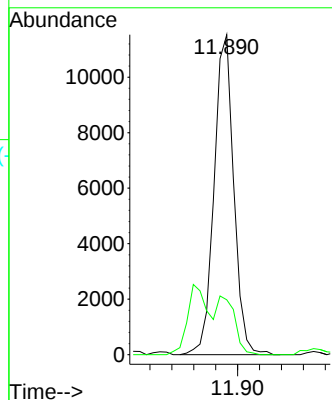
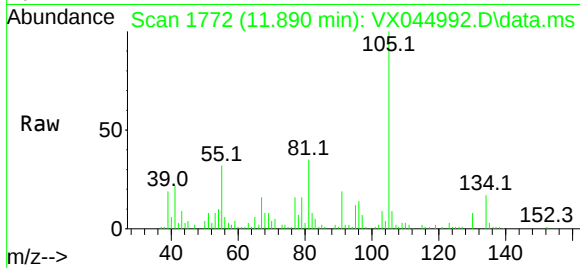




#85
sec-Butylbenzene
Concen: 2.304 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

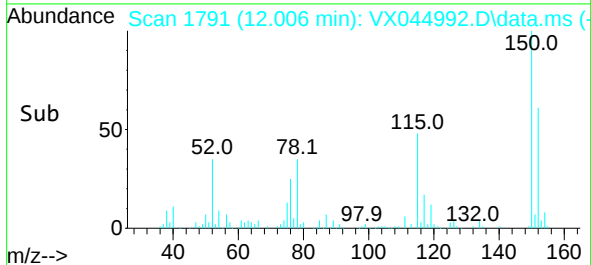
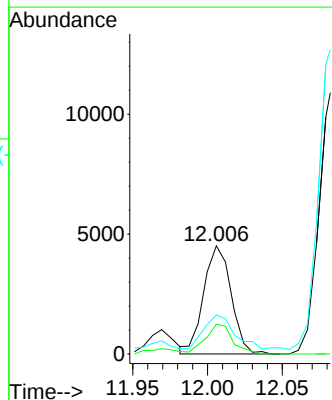
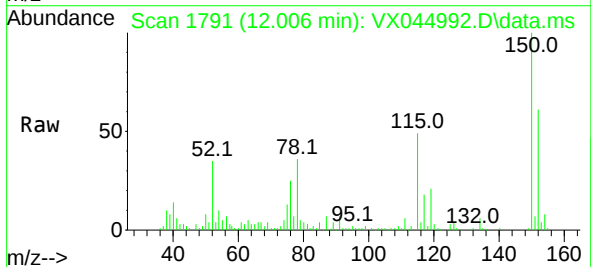
Instrument :
MSVOA_X
ClientSampleId :
MW32

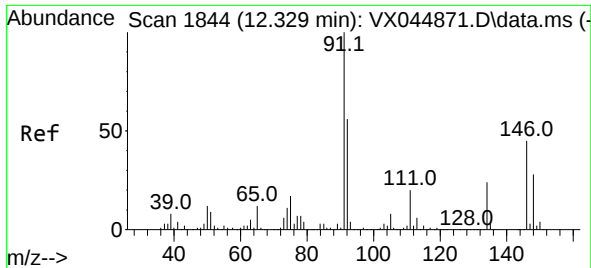
Tgt Ion:105 Resp: 14375
Ion Ratio Lower Upper
105 100
134 16.1 9.8 29.3



#86
p-Isopropyltoluene
Concen: 1.147 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:119 Resp: 5753
Ion Ratio Lower Upper
119 100
134 26.7 13.0 38.9
91 0.0 12.1 36.3#

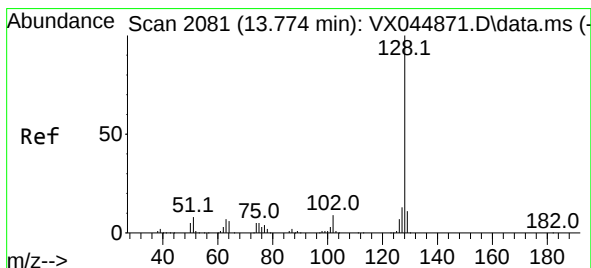
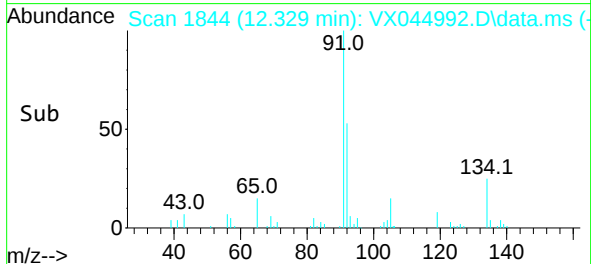
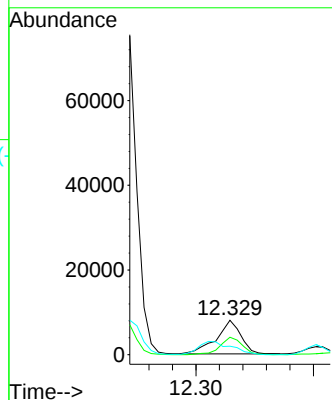
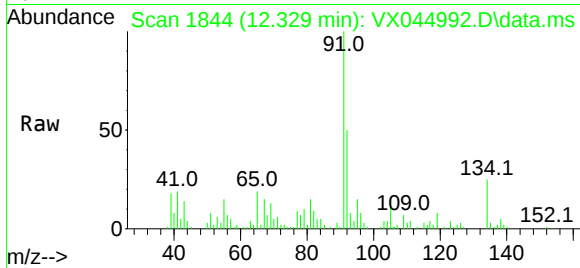




#89
n-Butylbenzene
Concen: 2.614 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion: 91 Resp: 11603
Ion Ratio Lower Upper
91 100
92 46.2 27.2 81.6
134 52.6 12.1 36.3#



#95
Naphthalene
Concen: 17.486 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:128 Resp: 96178
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 12.4 8.9 13.3

