

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031842.D
 Acq On : 14 Jul 2025 12:00
 Operator : SY/MD
 Sample : Q2503-03
 Misc : 5.93g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP2

Quant Time: Jul 15 02:42:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

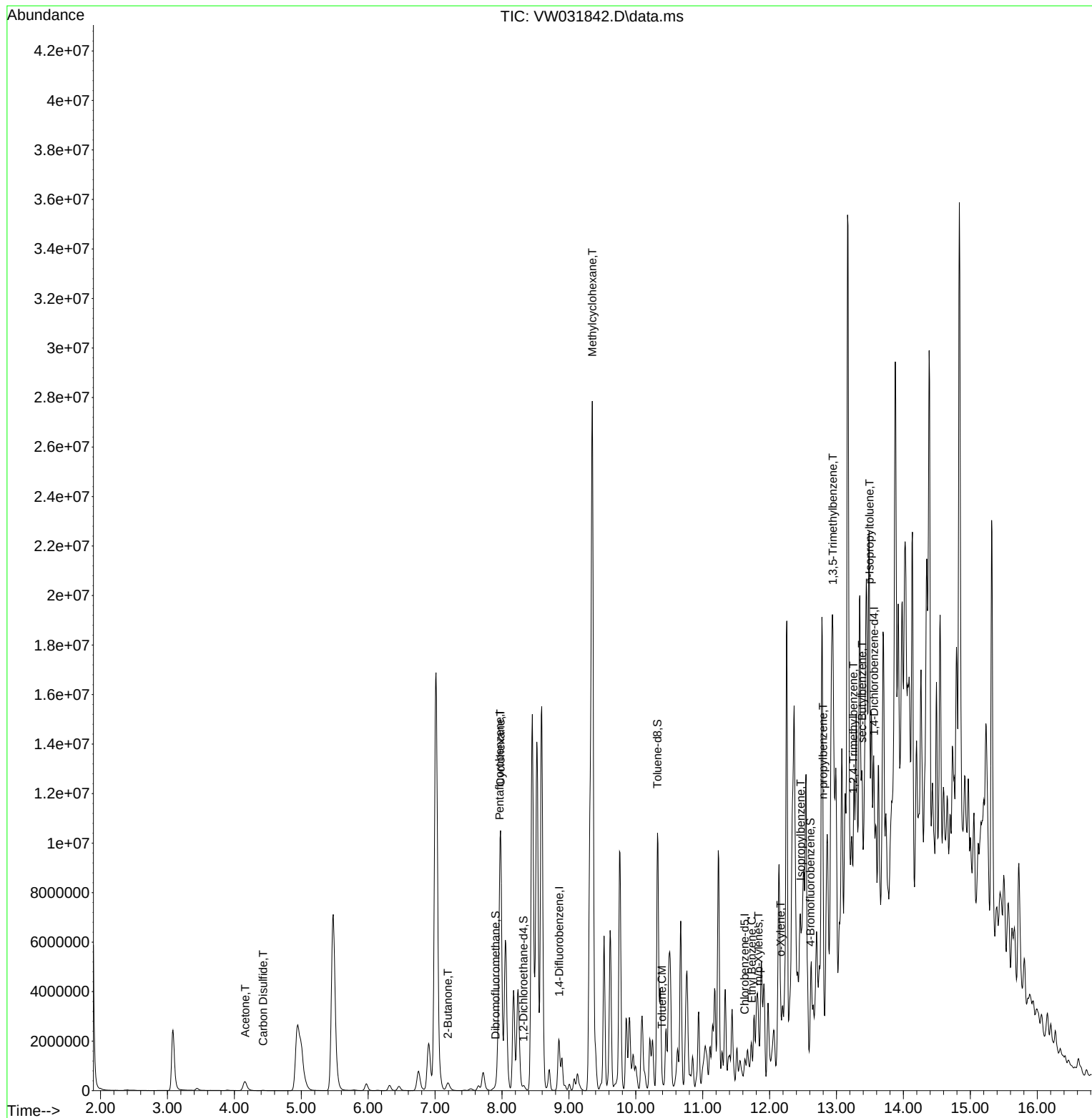
Internal Standards						
1) Pentafluorobenzene	7.965	168	193669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	372714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	325281	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	266911	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	128959	46.399	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	92.800%		
35) Dibromofluoromethane	7.904	113	117861	48.460	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	96.920%		
50) Toluene-d8	10.325	98	869854	96.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	192.220%#		
62) 4-Bromofluorobenzene	12.611	95	363550	109.150	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	218.300%#		
Target Compounds					Qvalue	
16) Acetone	4.161	43	378488	550.949	ug/l #	71
17) Carbon Disulfide	4.429	76	29285	4.742	ug/l	96
25) 2-Butanone	7.191	43	207808	232.517	ug/l #	61
31) Cyclohexane	7.978	56	6967593	1760.636	ug/l	97
39) Methylcyclohexane	9.349	83	14343867	3275.812	ug/l	97
52) Toluene	10.392	92	46919	7.038	ug/l	92
67) Ethyl Benzene	11.733	91	31880	2.562	ug/l	90
68) m/p-Xylenes	11.837	106	146099	30.539	ug/l	100
69) o-Xylene	12.166	106	29941	6.759	ug/l	55
73) Isopropylbenzene	12.465	105	408291	20.110	ug/l	99
78) n-propylbenzene	12.800	91	728394	29.960	ug/l	94
80) 1,3,5-Trimethylbenzene	12.946	105	231040	13.748	ug/l	96
84) 1,2,4-Trimethylbenzene	13.251	105	479752	28.175	ug/l	97
85) sec-Butylbenzene	13.385	105	165724	7.670	ug/l #	72
86) p-Isopropyltoluene	13.495	119	107889	6.059	ug/l	88

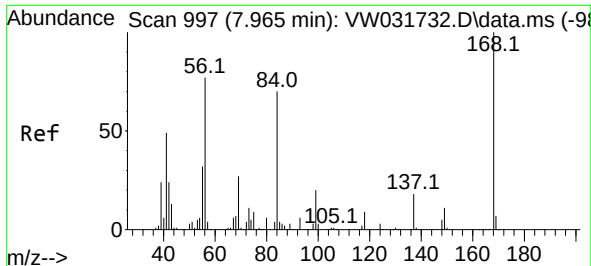
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031842.D
Acq On : 14 Jul 2025 12:00
Operator : SY/MD
Sample : Q2503-03
Misc : 5.93g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Quant Time: Jul 15 02:42:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

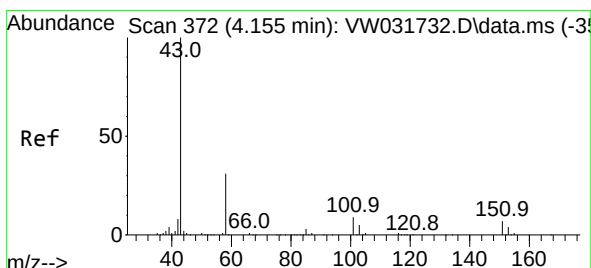
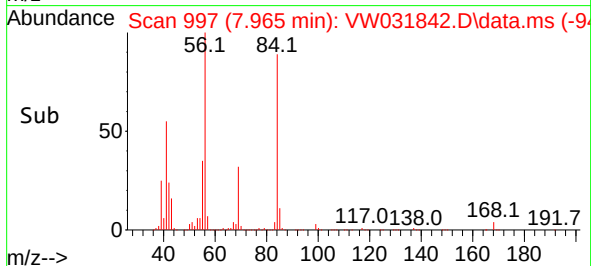
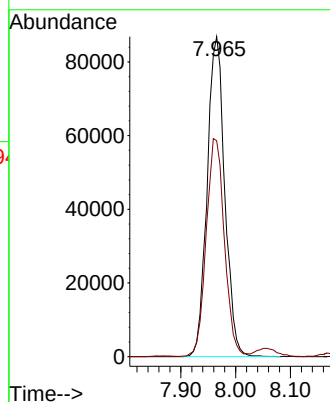
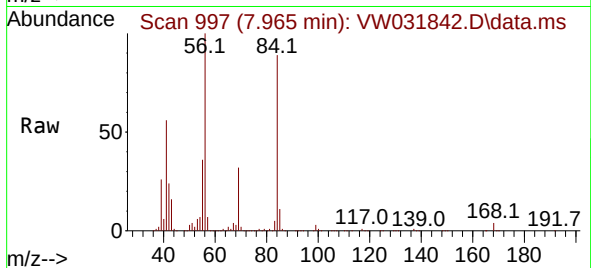




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

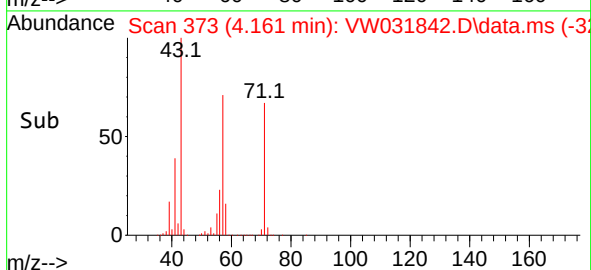
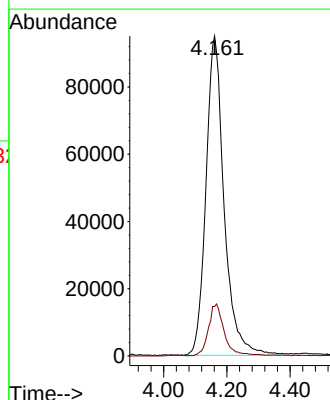
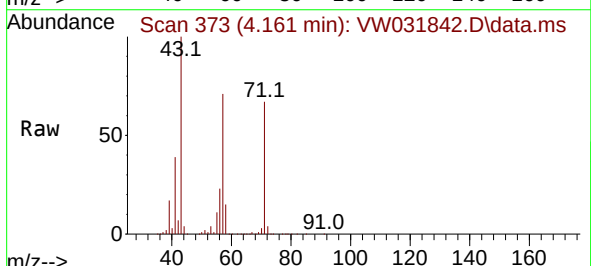
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

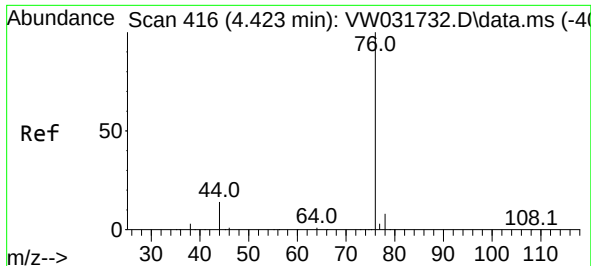
Tgt Ion:168 Resp: 193669
Ion Ratio Lower Upper
168 100
99 67.4 49.4 74.2



#16
Acetone
Concen: 550.949 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

Tgt Ion: 43 Resp: 378488
Ion Ratio Lower Upper
43 100
58 15.3 24.8 37.2#

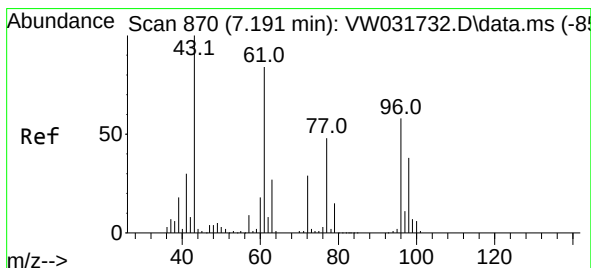
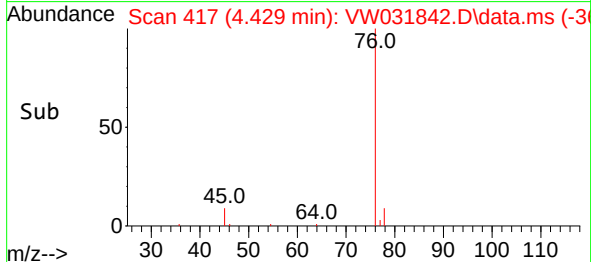
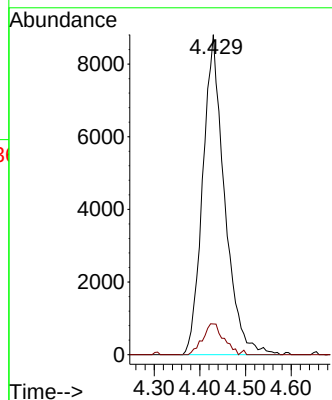
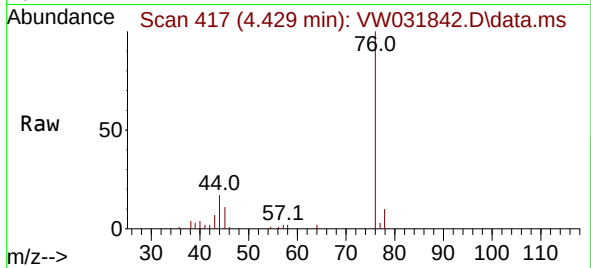




#17
Carbon Disulfide
Concen: 4.742 ug/l
RT: 4.429 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

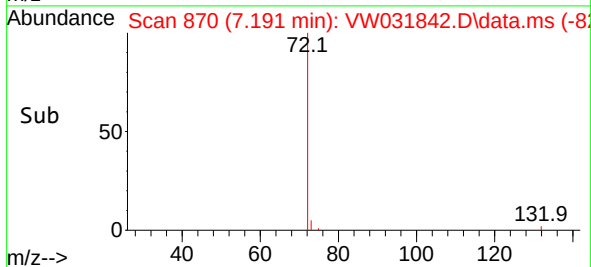
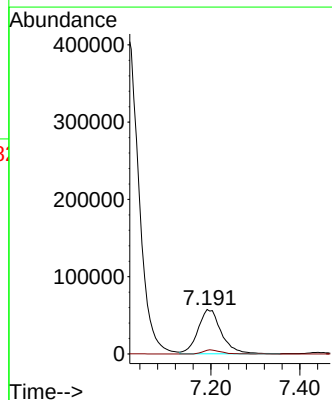
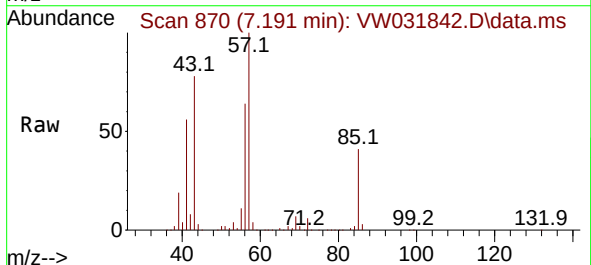
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

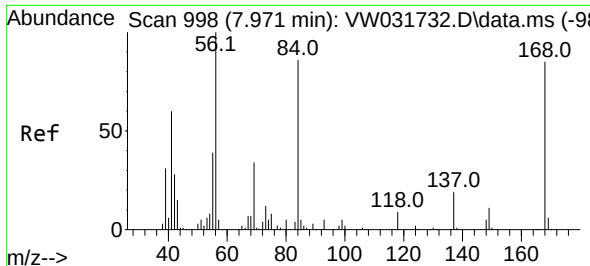
Tgt Ion: 76 Resp: 29285
Ion Ratio Lower Upper
76 100
78 9.6 6.6 10.0



#25
2-Butanone
Concen: 232.517 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

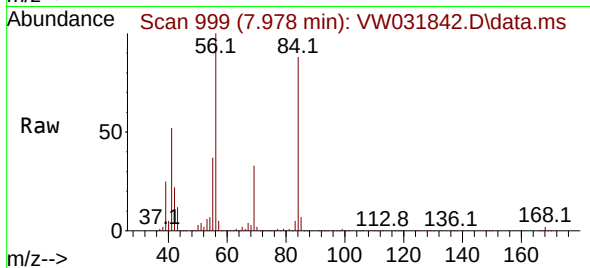
Tgt Ion: 43 Resp: 207808
Ion Ratio Lower Upper
43 100
72 8.3 23.0 34.6#





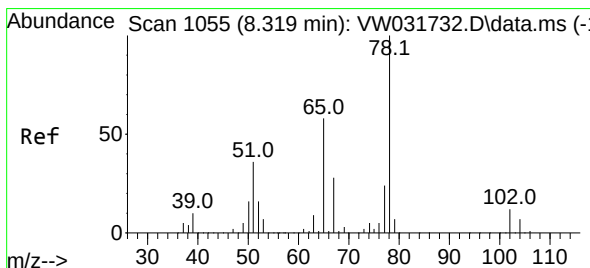
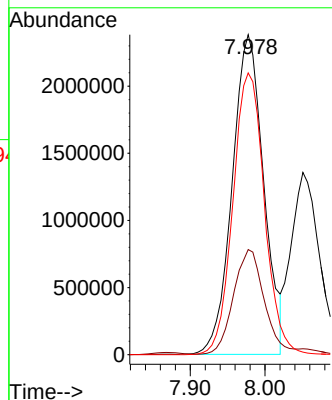
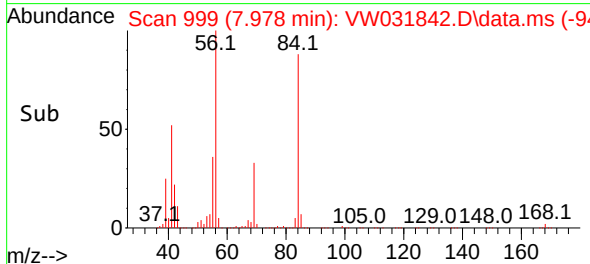
#31
Cyclohexane
Concen: 1760.636 ug/l
RT: 7.978 min Scan# 998
Delta R.T. 0.006 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
GCAP2



Tgt Ion: 56 Resp: 6967593

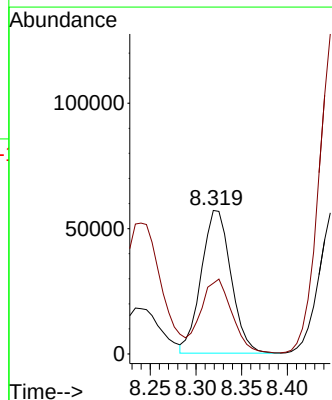
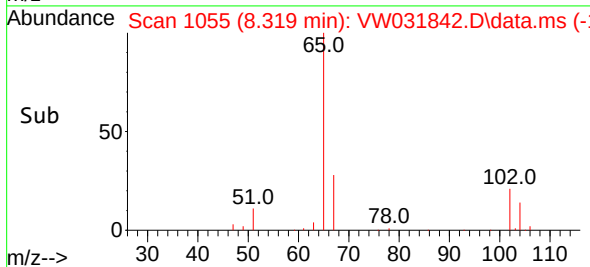
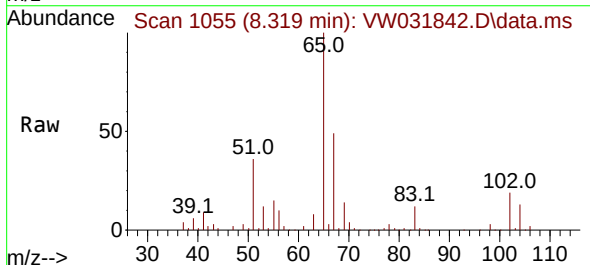
Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.2	40.8
84	88.1	68.5	102.7

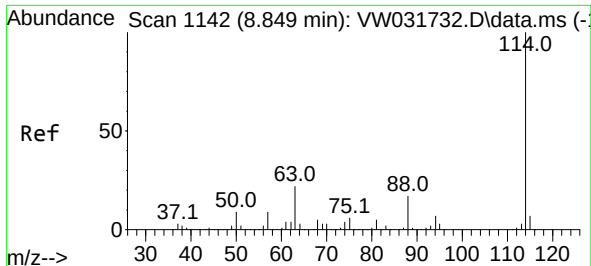


#33
1,2-Dichloroethane-d4
Concen: 46.399 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

Tgt Ion: 65 Resp: 128959

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	99.4

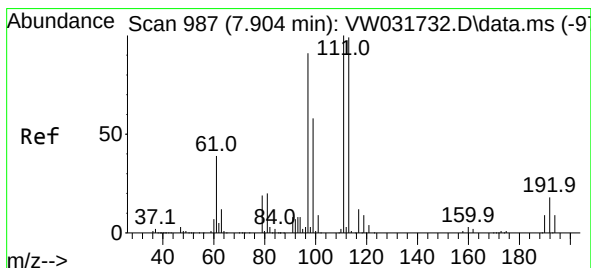
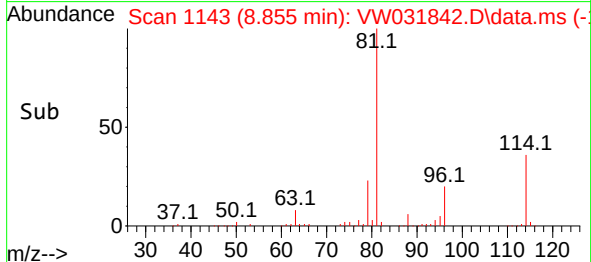
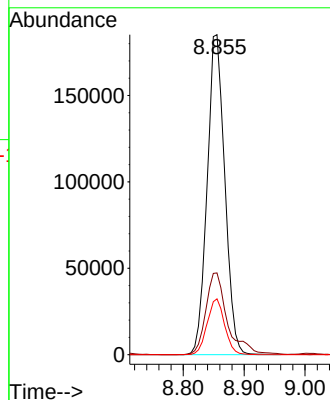
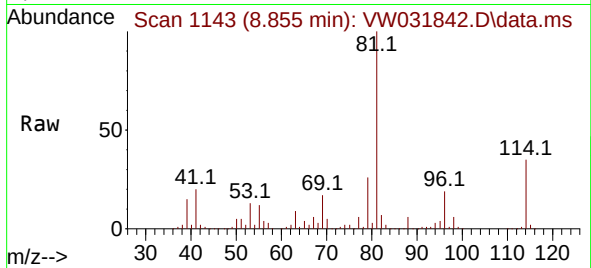




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

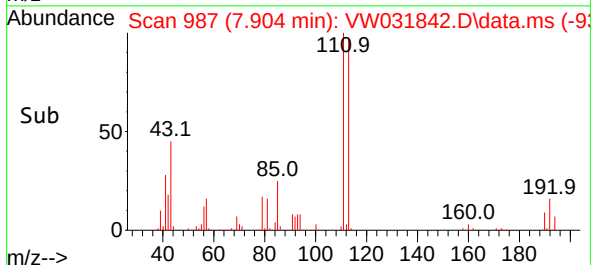
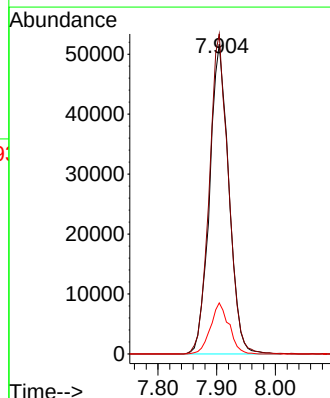
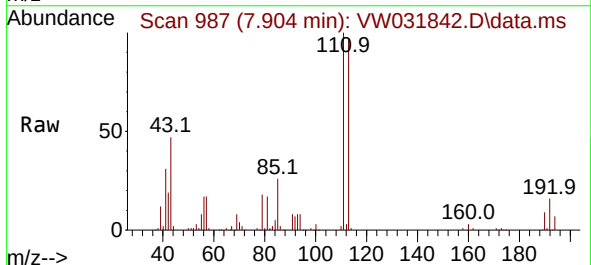
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

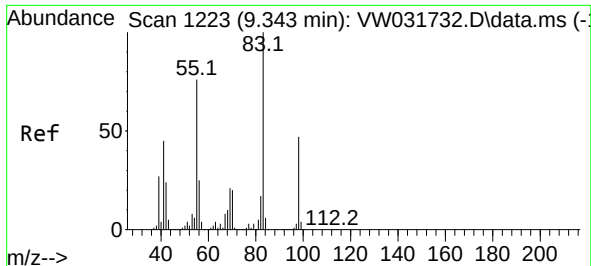
Tgt Ion:114 Resp: 372714
Ion Ratio Lower Upper
114 100
63 25.5 0.0 43.6
88 17.5 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.460 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

Tgt Ion:113 Resp: 117861
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 15.8 13.8 20.6

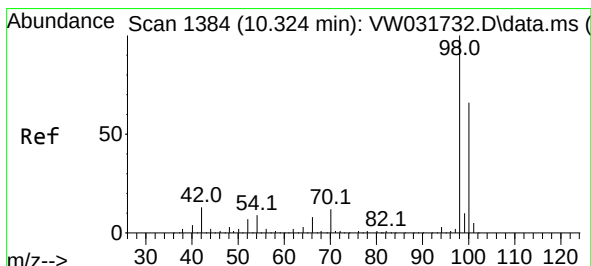
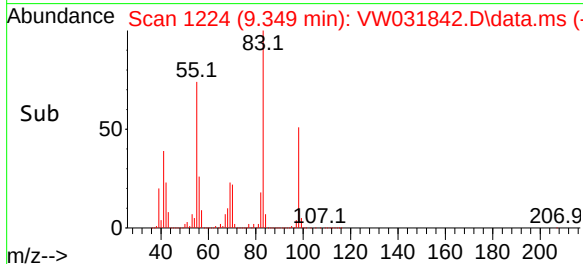
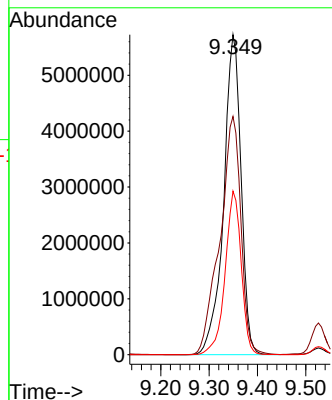
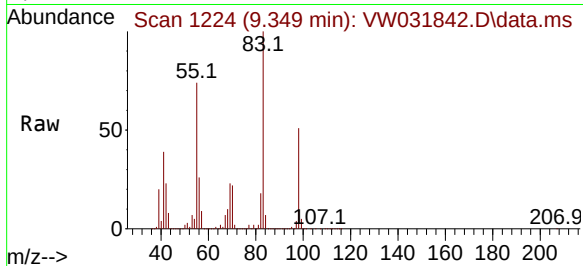




#39
Methylcyclohexane
Concen: 3275.812 ug/l
RT: 9.349 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

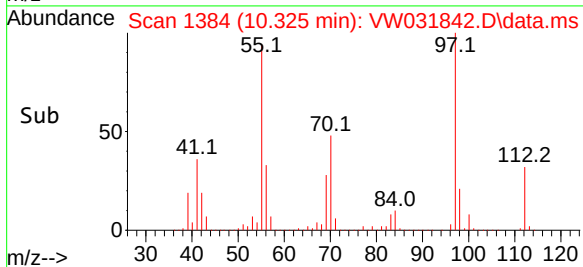
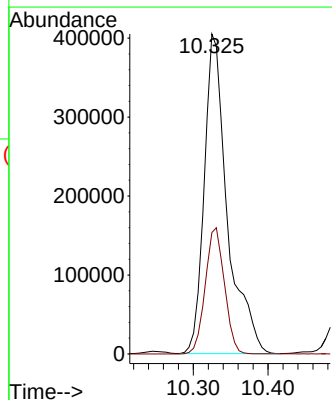
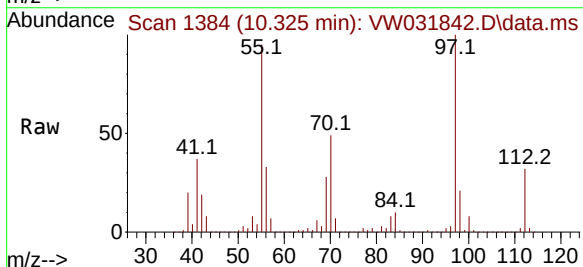
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

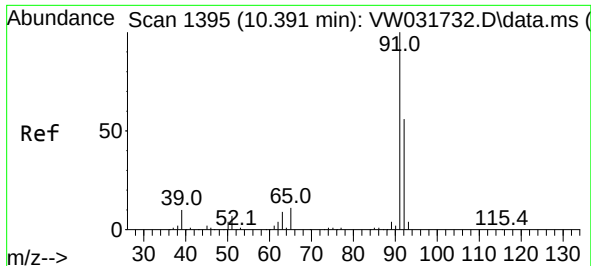
Tgt Ion: 83 Resp:14343867
Ion Ratio Lower Upper
83 100
55 74.4 61.0 91.4
98 51.1 37.9 56.9



#50
Toluene-d8
Concen: 96.107 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

Tgt Ion: 98 Resp: 869854
Ion Ratio Lower Upper
98 100
100 32.8 53.0 79.4#

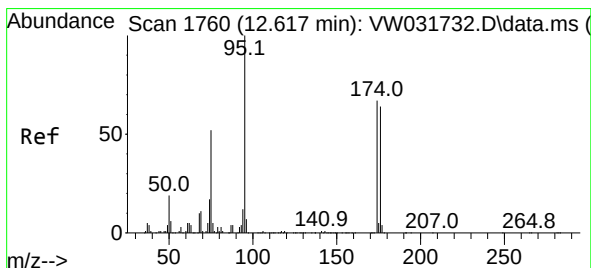
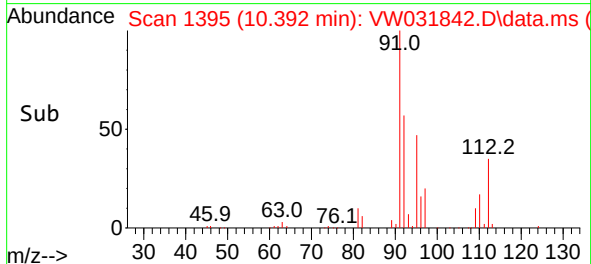
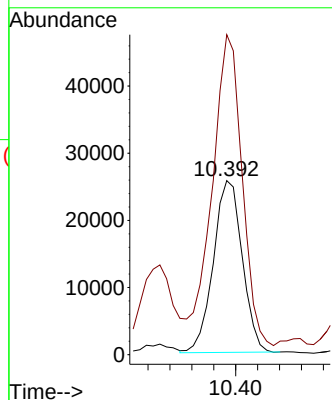
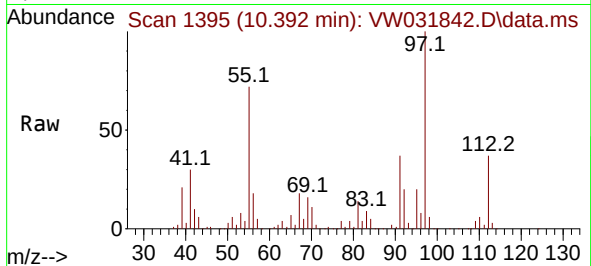




#52
Toluene
Concen: 7.038 ug/l
RT: 10.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

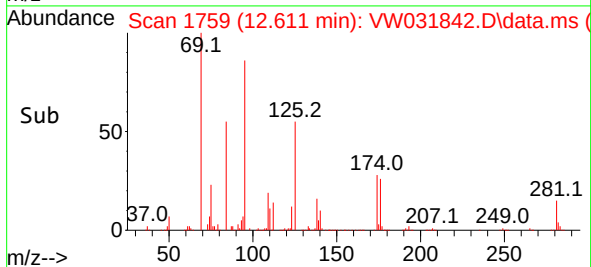
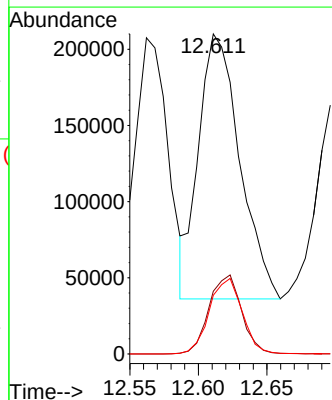
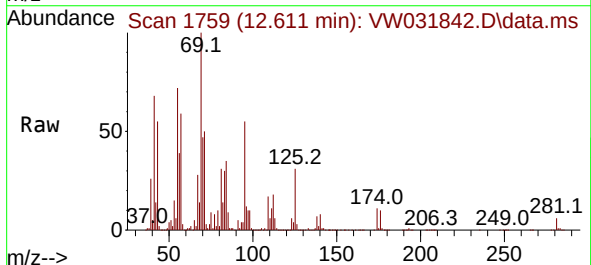
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

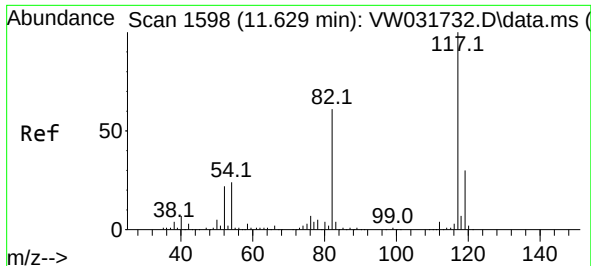
Tgt Ion: 92 Resp: 46919
Ion Ratio Lower Upper
92 100
91 186.2 139.5 209.3



#62
4-Bromofluorobenzene
Concen: 109.150 ug/l
RT: 12.611 min Scan# 1759
Delta R.T. -0.006 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

Tgt Ion: 95 Resp: 363550
Ion Ratio Lower Upper
95 100
174 23.8 0.0 133.8
176 22.8 0.0 126.0

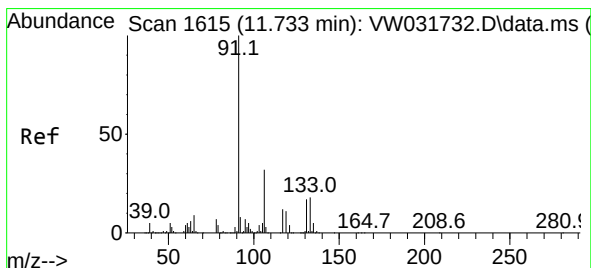
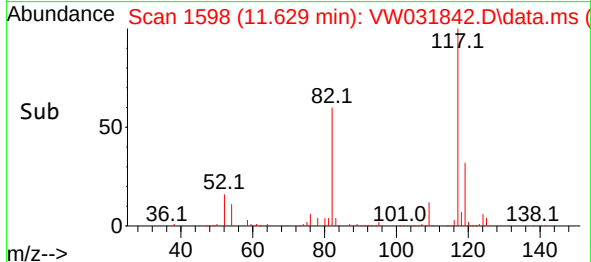
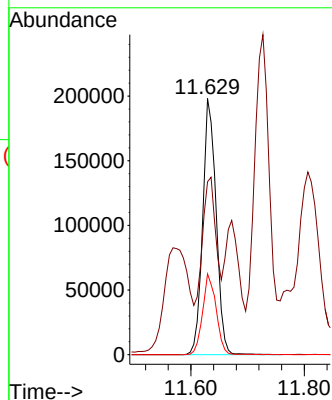
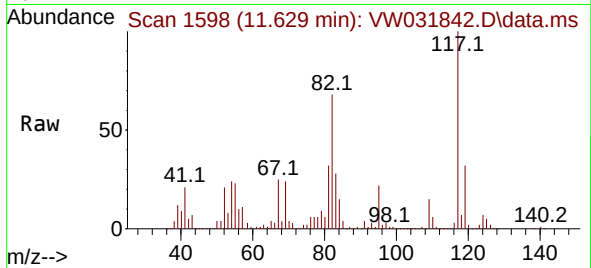




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

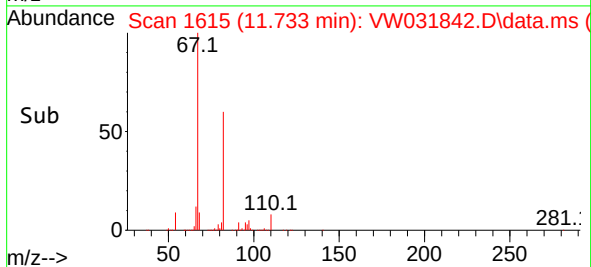
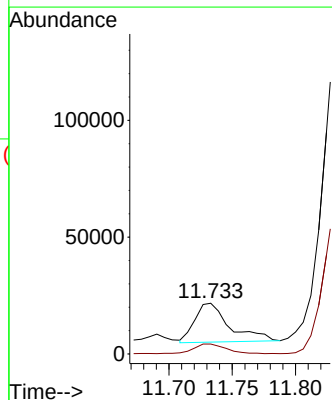
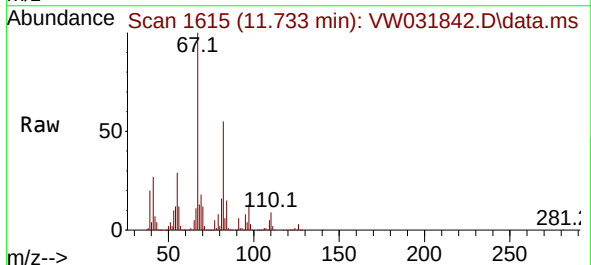
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

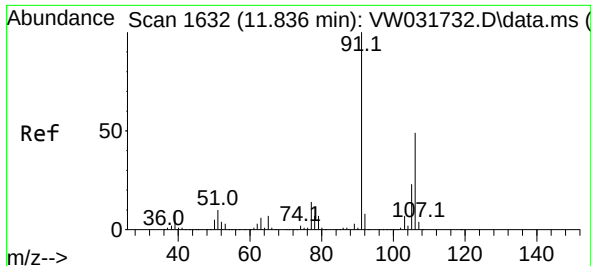
Tgt Ion:117 Resp: 325281
Ion Ratio Lower Upper
117 100
82 46.5 48.6 72.8#
119 31.6 23.9 35.9



#67
Ethyl Benzene
Concen: 2.562 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

Tgt Ion: 91 Resp: 31880
Ion Ratio Lower Upper
91 100
106 26.0 25.4 38.2

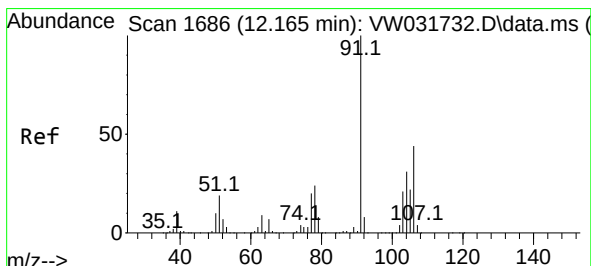
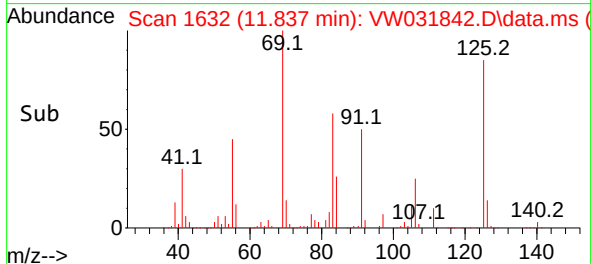
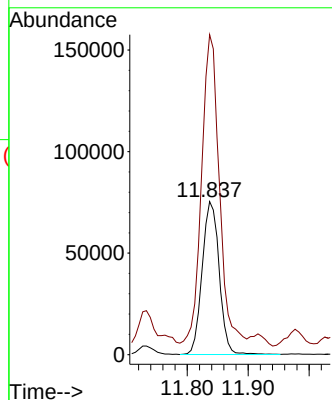
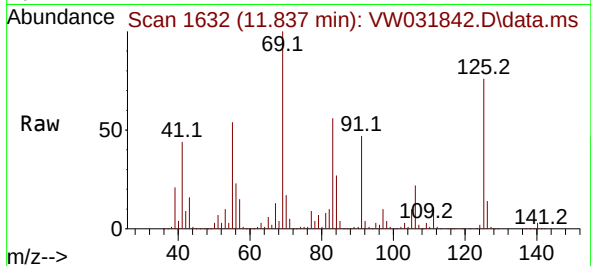




#68
m/p-Xylenes
Concen: 30.539 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

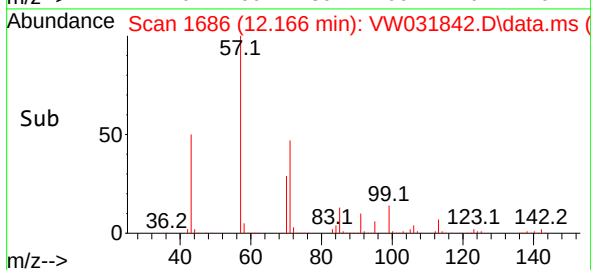
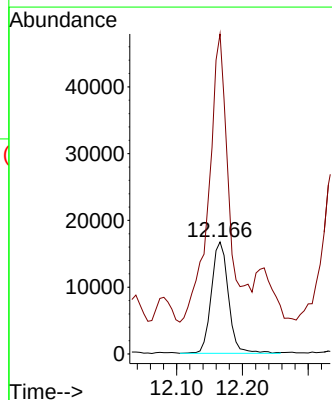
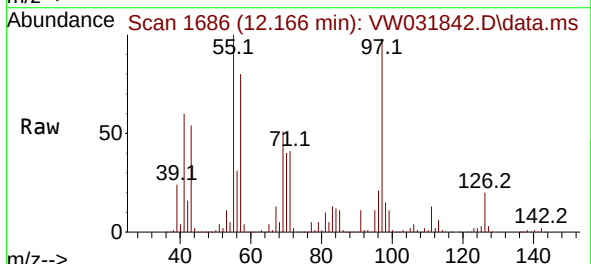
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

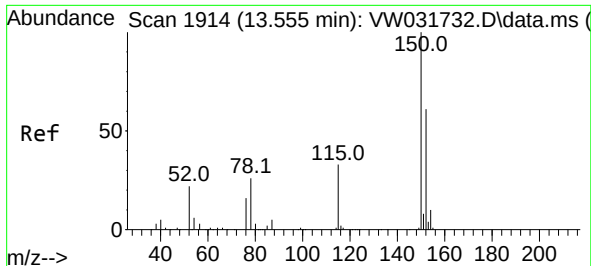
Tgt Ion:106 Resp: 146099
Ion Ratio Lower Upper
106 100
91 208.5 166.4 249.6



#69
o-Xylene
Concen: 6.759 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

Tgt Ion:106 Resp: 29941
Ion Ratio Lower Upper
106 100
91 295.1 111.5 334.4

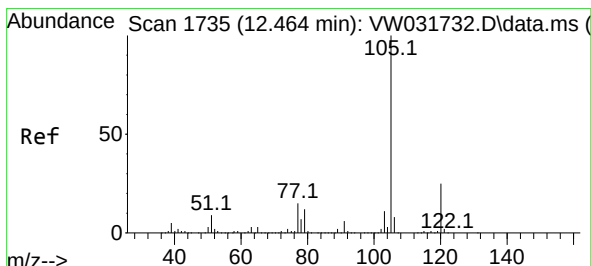
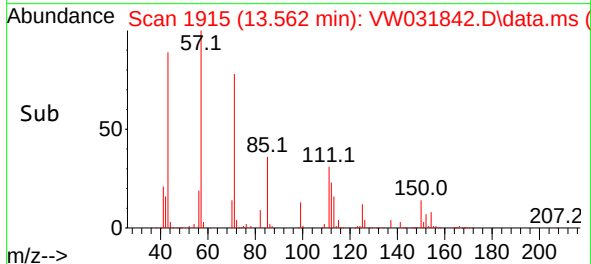
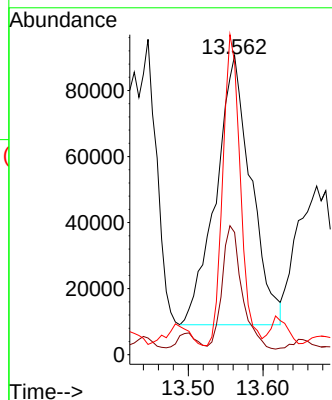
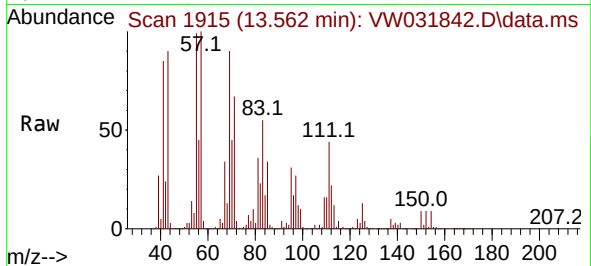




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.562 min Scan# 1914
Delta R.T. 0.006 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

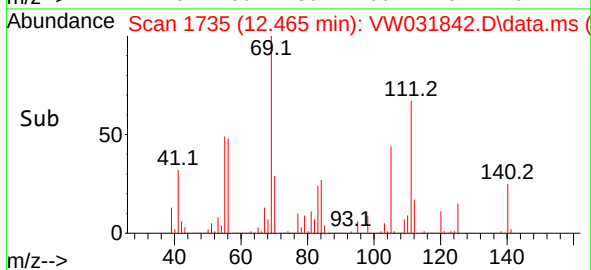
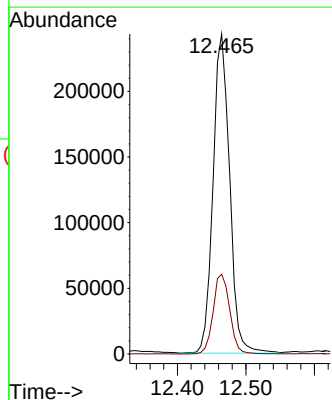
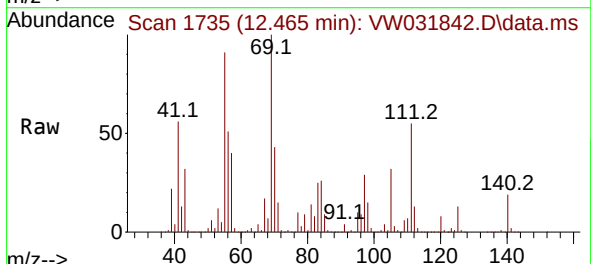
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

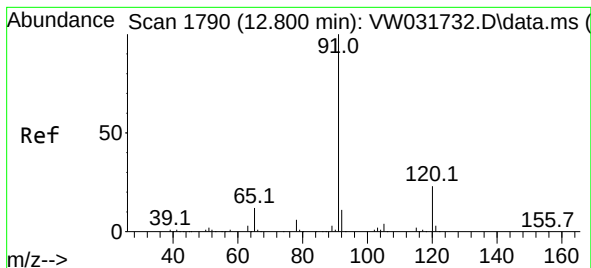
Tgt Ion:152 Resp: 266911
Ion Ratio Lower Upper
152 100
115 25.9 31.9 95.7#
150 57.6 0.0 356.4



#73
Isopropylbenzene
Concen: 20.110 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031842.D
Acq: 14 Jul 2025 12:00

Tgt Ion:105 Resp: 408291
Ion Ratio Lower Upper
105 100
120 25.0 12.8 38.4





#78

n-propylbenzene

Concen: 29.960 ug/l

RT: 12.800 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031842.D

Acq: 14 Jul 2025 12:00

Instrument :

MSVOA_W

ClientSampleId :

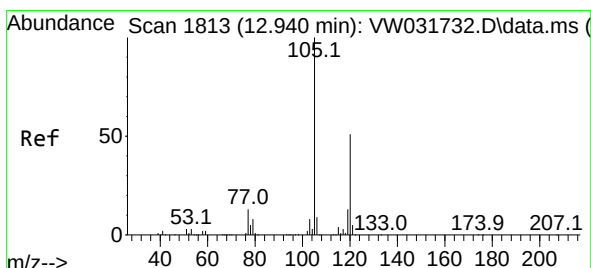
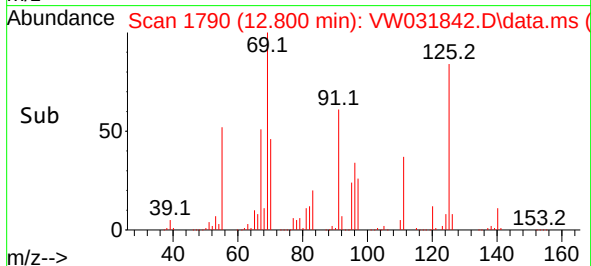
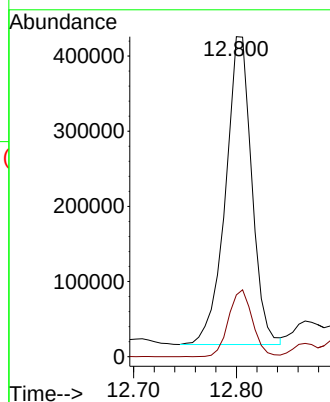
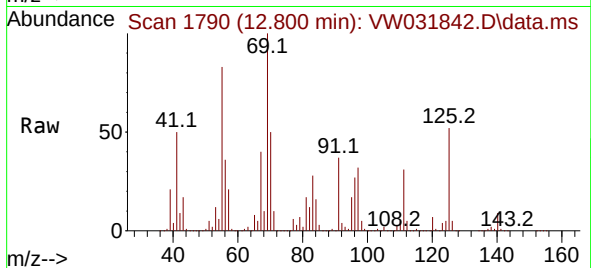
GCAP2

Tgt Ion: 91 Resp: 728394

Ion Ratio Lower Upper

91 100

120 19.8 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 13.748 ug/l

RT: 12.946 min Scan# 1814

Delta R.T. 0.006 min

Lab File: VW031842.D

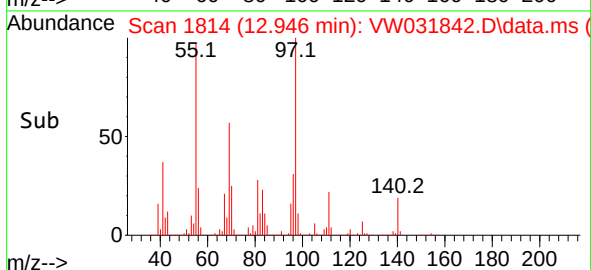
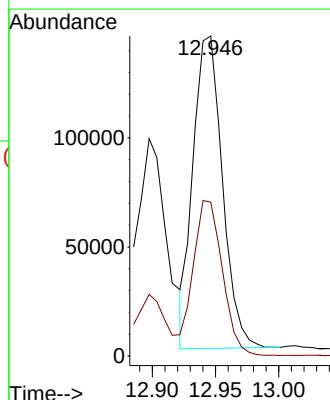
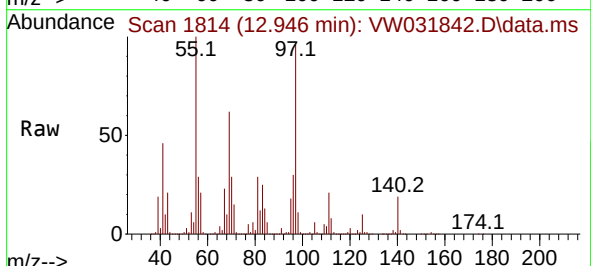
Acq: 14 Jul 2025 12:00

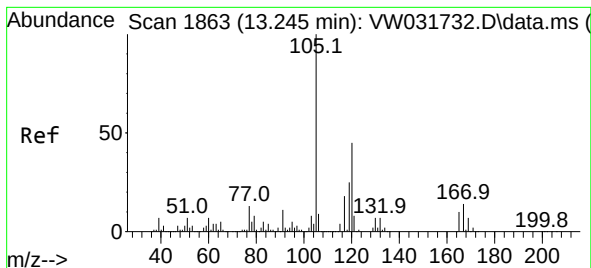
Tgt Ion:105 Resp: 231040

Ion Ratio Lower Upper

105 100

120 50.4 23.8 71.2





#84

1,2,4-Trimethylbenzene

Concen: 28.175 ug/l

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW031842.D

Acq: 14 Jul 2025 12:00

Instrument :

MSVOA_W

ClientSampleId :

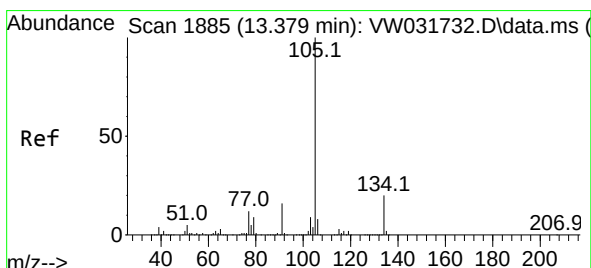
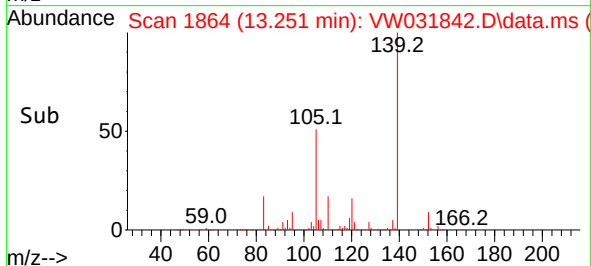
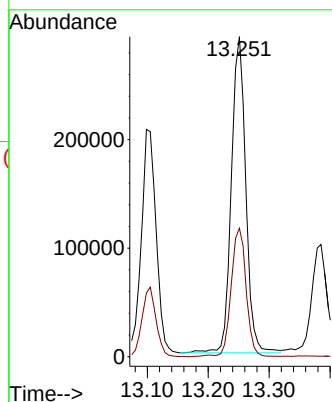
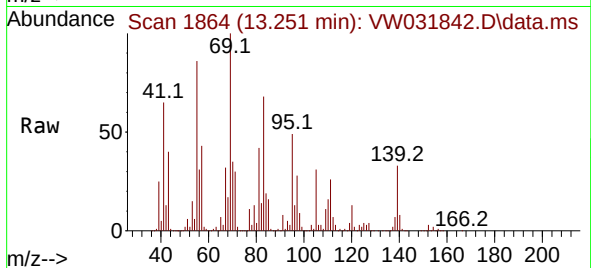
GCAP2

Tgt Ion:105 Resp: 479752

Ion Ratio Lower Upper

105 100

120 42.1 22.1 66.1



#85

sec-Butylbenzene

Concen: 7.670 ug/l

RT: 13.385 min Scan# 1886

Delta R.T. 0.006 min

Lab File: VW031842.D

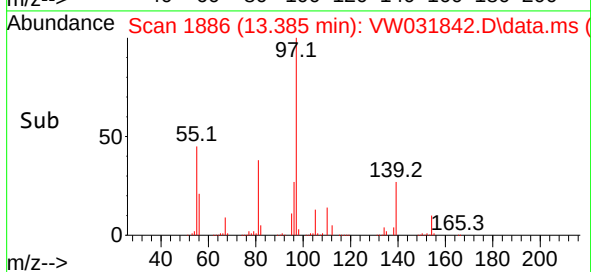
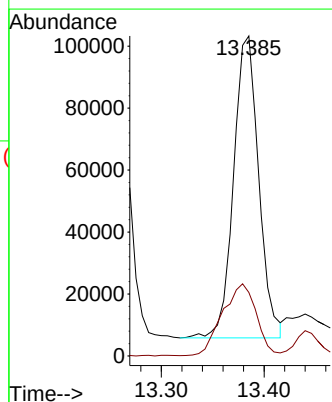
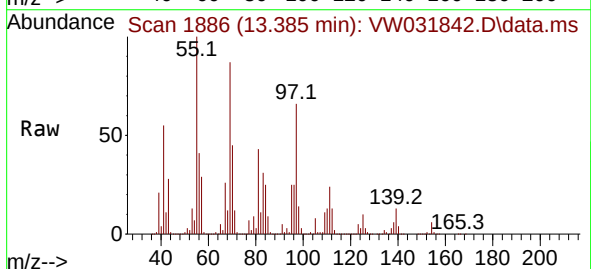
Acq: 14 Jul 2025 12:00

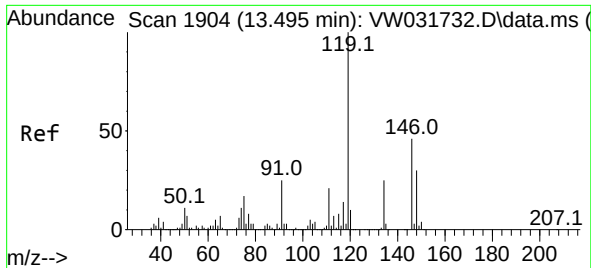
Tgt Ion:105 Resp: 165724

Ion Ratio Lower Upper

105 100

134 32.0 9.6 28.8#





#86
 p-Isopropyltoluene
 Concen: 6.059 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW031842.D
 Acq: 14 Jul 2025 12:00

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP2

Tgt Ion:119 Resp: 107889
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 12.7 12.7 38.0

