

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031795.D
 Acq On : 10 Jul 2025 12:19
 Operator : SY/MD
 Sample : Q2480-03
 Misc : 6.78g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX3RE

Quant Time: Jul 11 02:18:04 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)

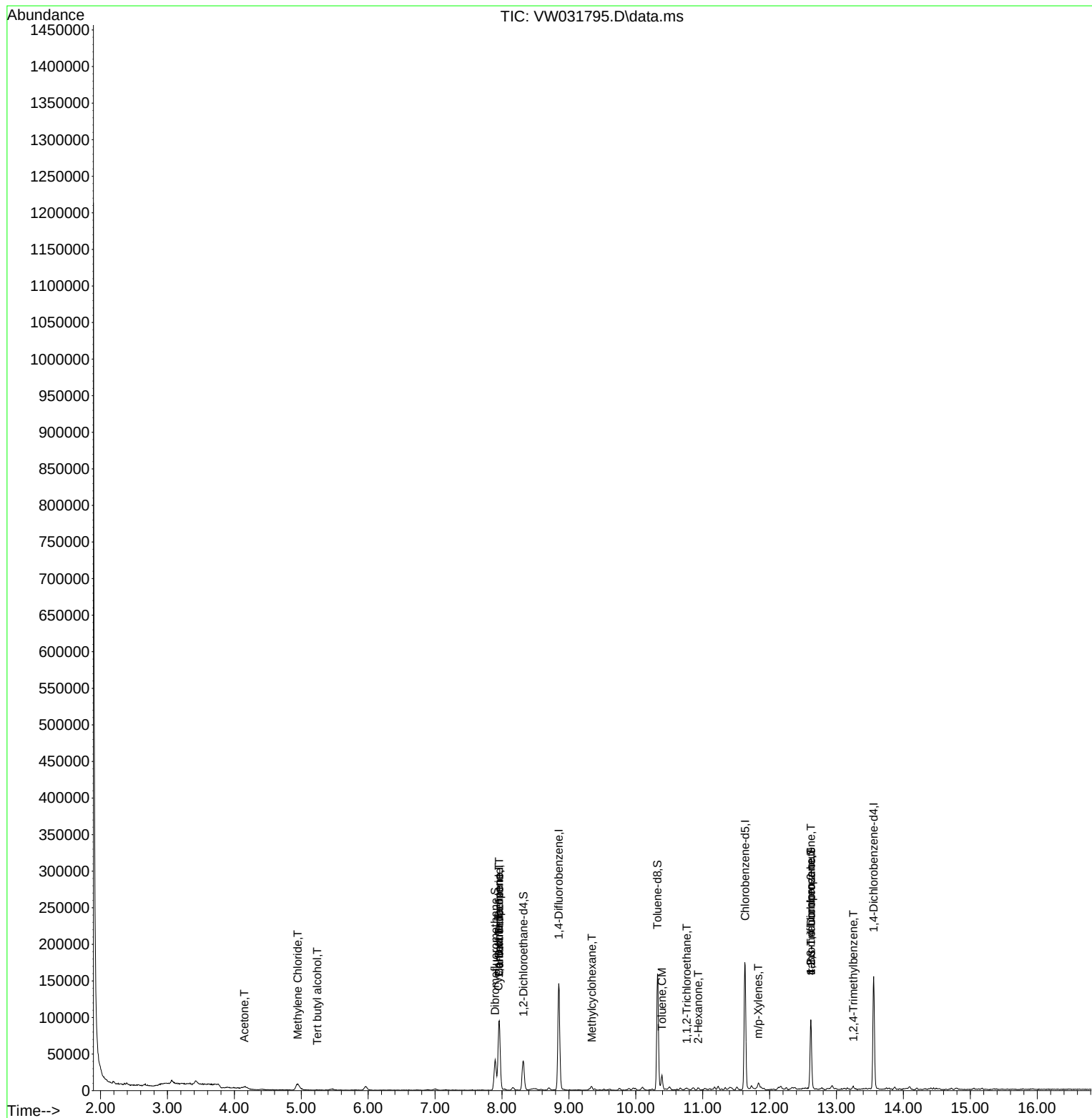
Internal Standards						
1) Pentafluorobenzene	7.959	168	62804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	119782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	95395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	38547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	35039	38.876	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	77.760%
35) Dibromofluoromethane	7.898	113	29482	37.719	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	75.440%
50) Toluene-d8	10.325	98	104494	35.924	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	71.840%#
62) 4-Bromofluorobenzene	12.617	95	34441	32.175	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	64.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.240	59	80	1.433	ug/l #	69
16) Acetone	4.149	43	1319	5.921	ug/l #	87
20) Methylene Chloride	4.948	84	6413	3.068	ug/l	93
31) Cyclohexane	7.947	56	2465	1.921	ug/l #	49
36) 1,1-Dichloropropene	7.953	75	6217	5.497	ug/l #	50
38) Carbon Tetrachloride	7.959	117	7293	6.328	ug/l #	16
39) Methylcyclohexane	9.343	83	1711	1.216	ug/l #	67
52) Toluene	10.392	92	8342	3.894	ug/l	93
55) 1,1,2-Trichloroethane	10.764	97	873	1.276	ug/l #	17
59) 2-Hexanone	10.934	43	1155	2.411	ug/l #	23
68) m/p-Xylenes	11.831	106	2460	1.753	ug/l	86
76) 1,2,3-Trichloropropane	12.617	75	18597	37.333	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	18597	86.955	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.251	105	2640	1.074	ug/l	97

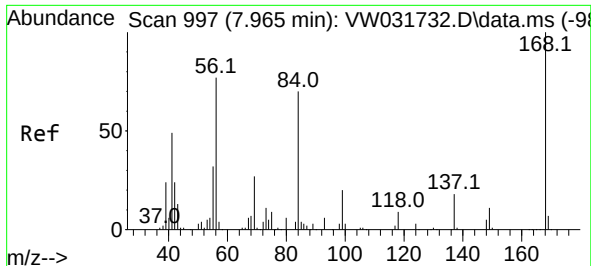
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031795.D
Acq On : 10 Jul 2025 12:19
Operator : SY/MD
Sample : Q2480-03
Misc : 6.78g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

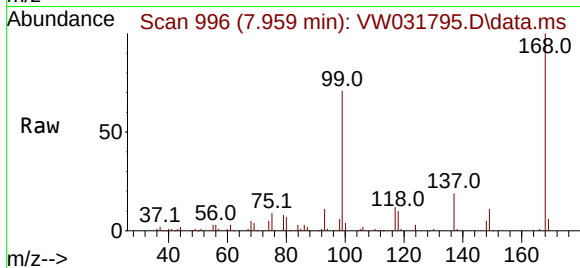
Quant Time: Jul 11 02:18:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



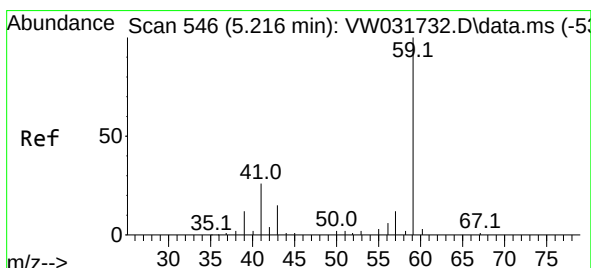
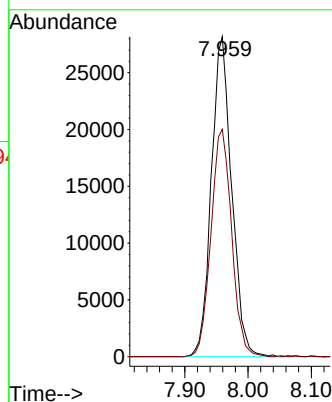
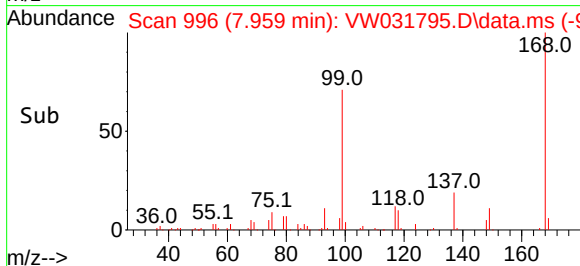


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

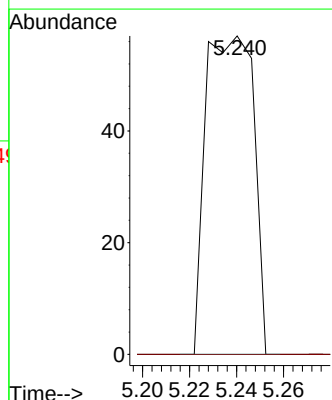
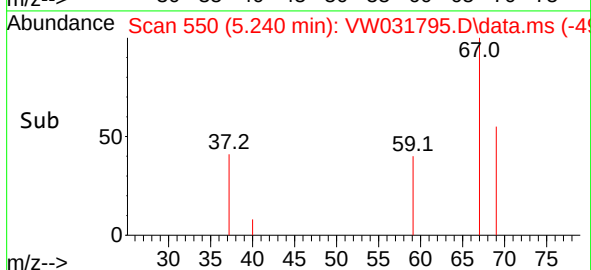
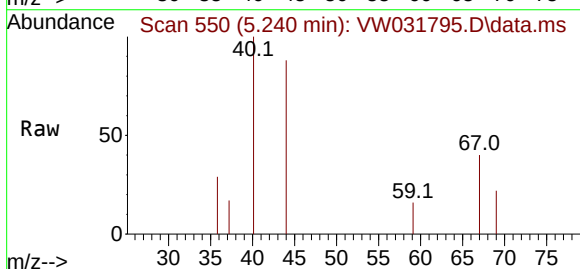


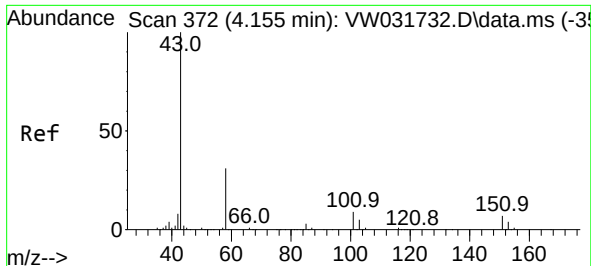
Tgt Ion:168 Resp: 62804
Ion Ratio Lower Upper
168 100
99 71.1 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.433 ug/l
RT: 5.240 min Scan# 550
Delta R.T. 0.025 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 9.5 14.3#

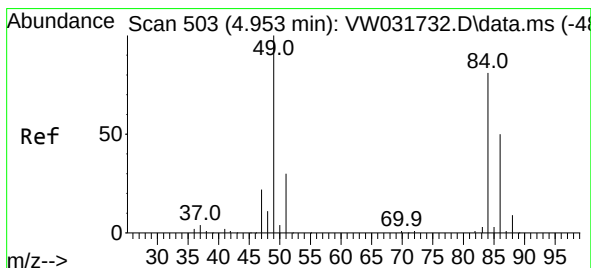
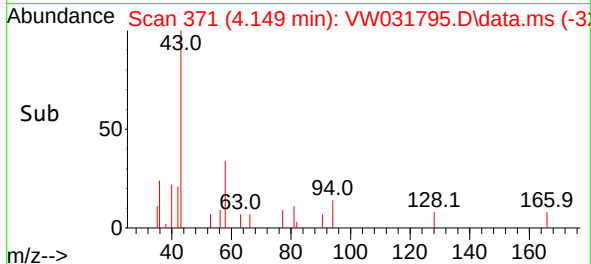
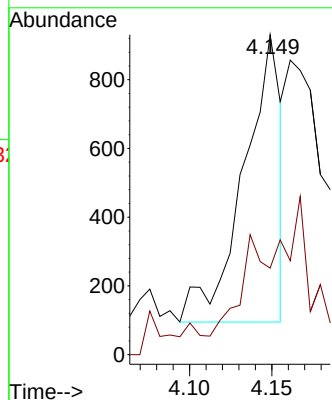
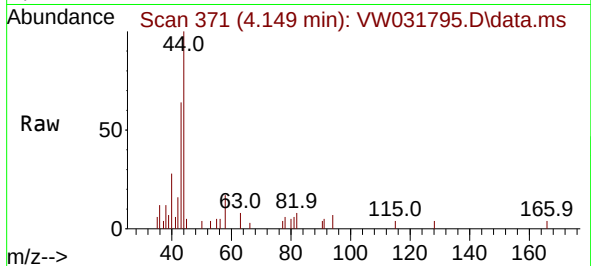




#16
Acetone
Concen: 5.921 ug/l
RT: 4.149 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

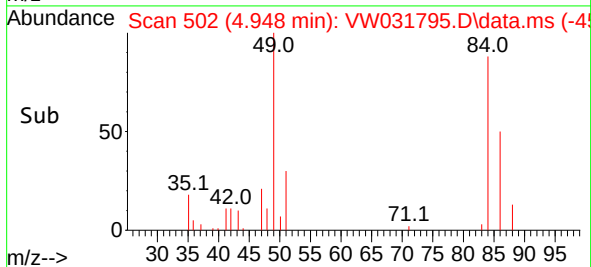
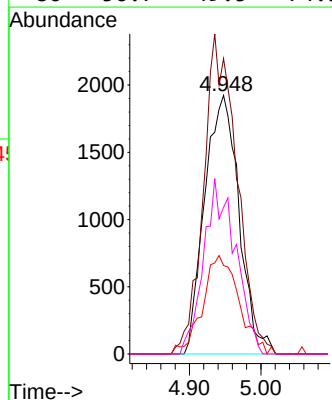
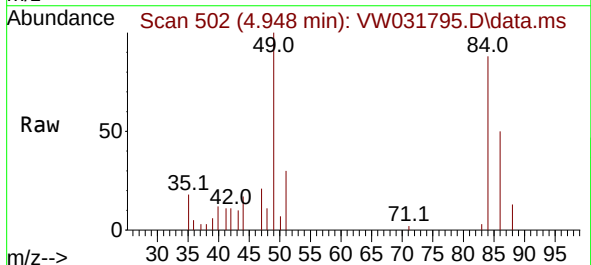
Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

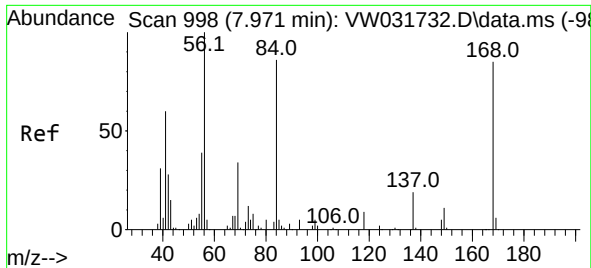
Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 23.9 24.8 37.2#



#20
Methylene Chloride
Concen: 3.068 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 84 Resp: 6413
Ion Ratio Lower Upper
84 100
49 114.2 98.2 147.4
51 34.2 29.8 44.8
86 56.7 49.5 74.3

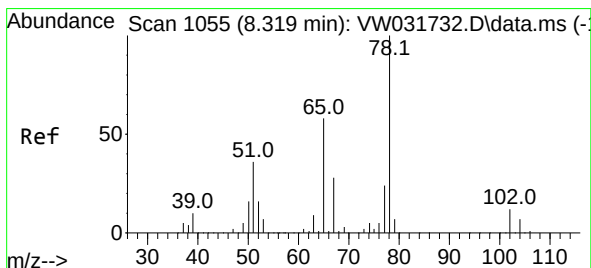
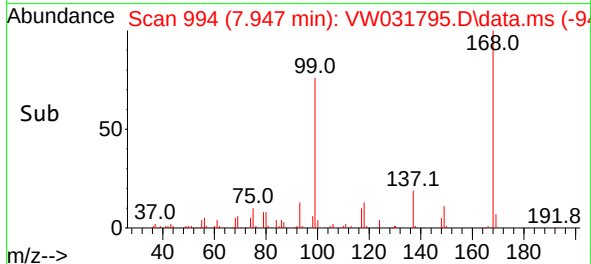
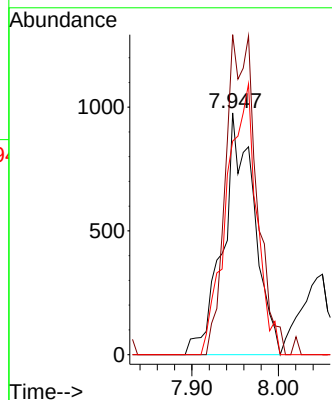
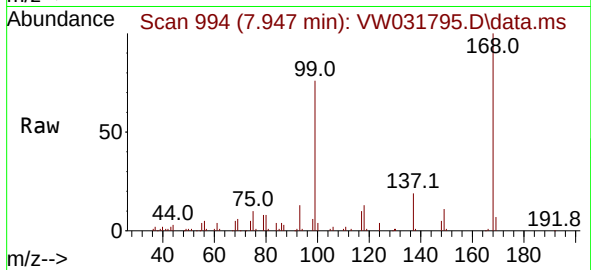




#31
Cyclohexane
Concen: 1.921 ug/l
RT: 7.947 min Scan# 998
Delta R.T. -0.024 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

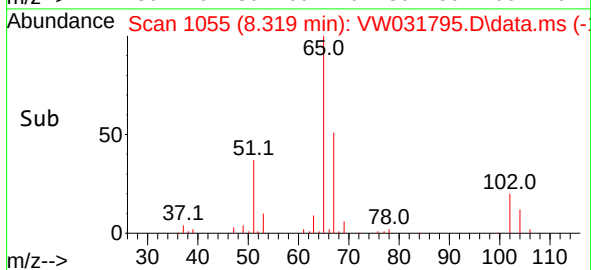
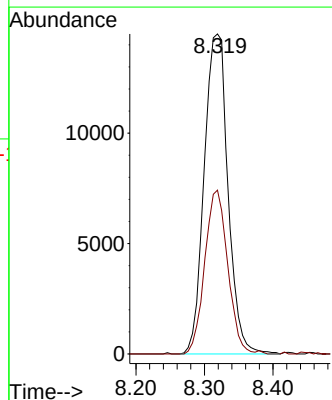
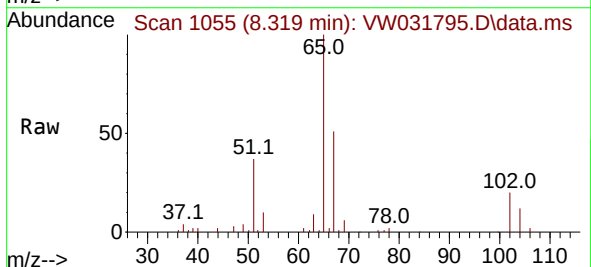
Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

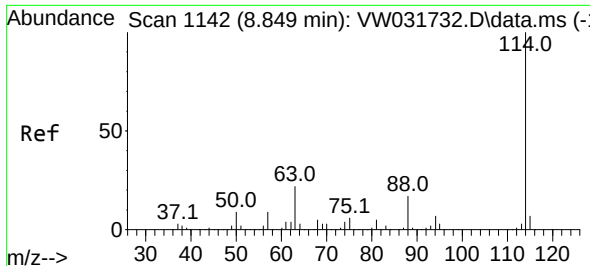
Tgt Ion: 56 Resp: 2465
Ion Ratio Lower Upper
56 100
69 132.3 27.2 40.8#
84 88.3 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 38.876 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 65 Resp: 35039
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.4

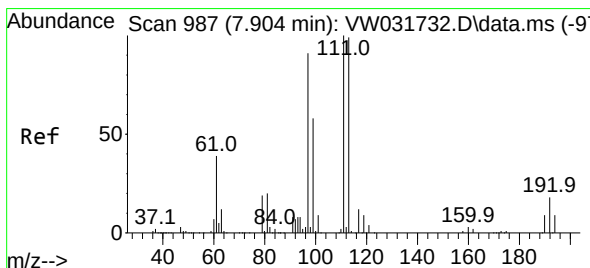
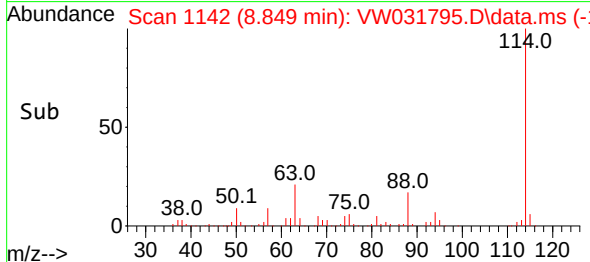
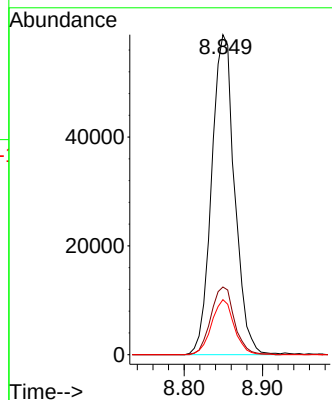
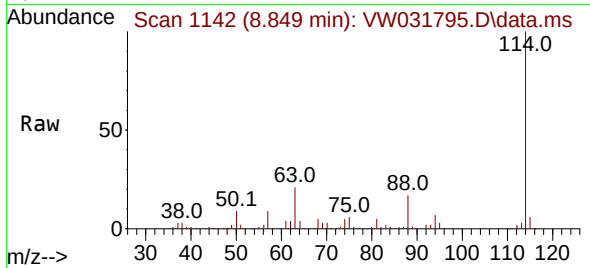




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW031795.D
 Acq: 10 Jul 2025 12:19

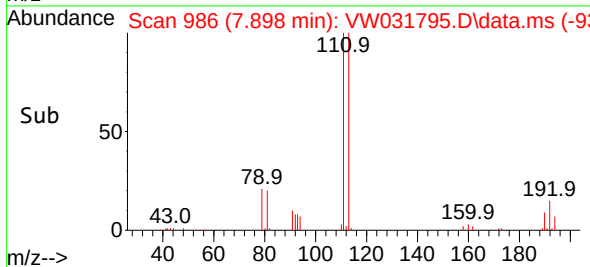
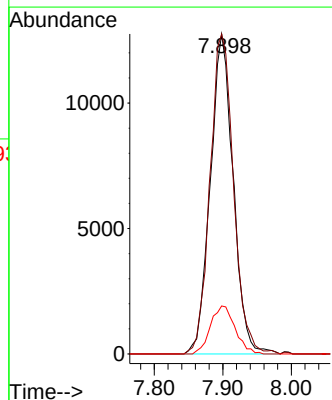
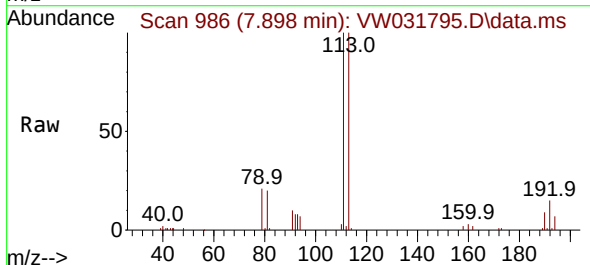
Instrument :
 MSVOA_W
 ClientSampleId :
 GPX3RE

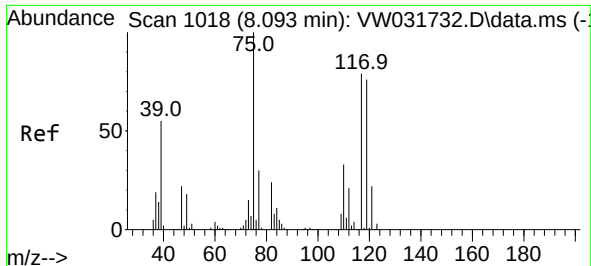
Tgt Ion:114 Resp: 119782
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.6
 88 17.2 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 37.719 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW031795.D
 Acq: 10 Jul 2025 12:19

Tgt Ion:113 Resp: 29482
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.1 123.1
 192 16.2 13.8 20.6

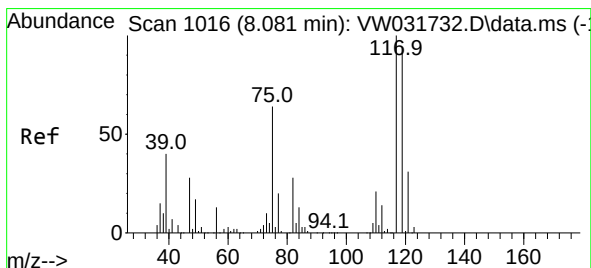
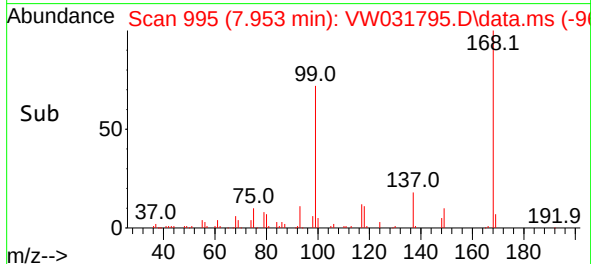
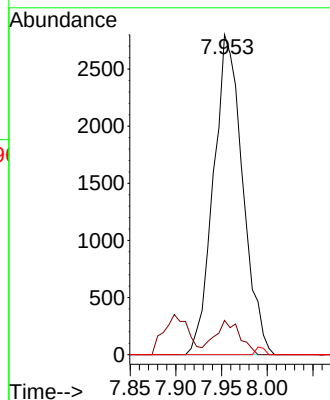
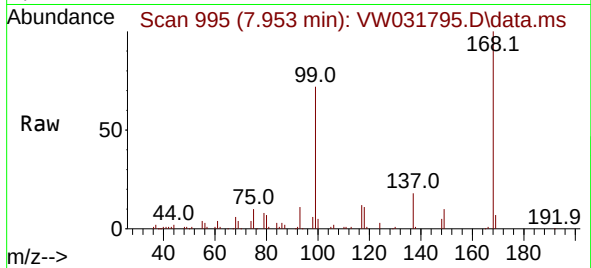




#36
 1,1-Dichloropropene
 Concen: 5.497 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.140 min
 Lab File: VW031795.D
 Acq: 10 Jul 2025 12:19

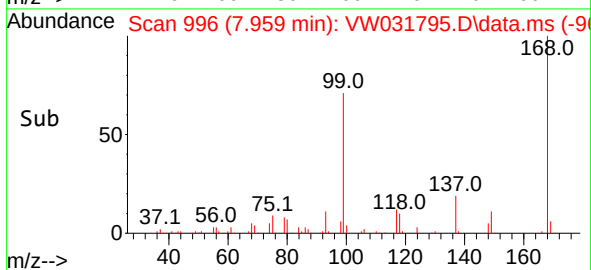
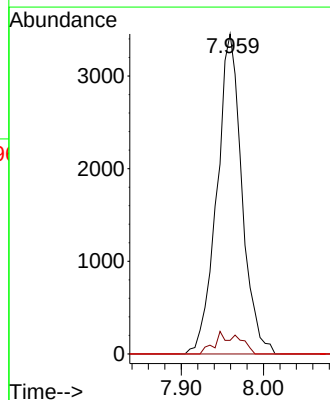
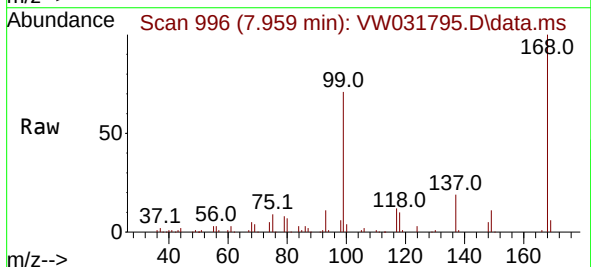
Instrument :
 MSVOA_W
 ClientSampleId :
 GPX3RE

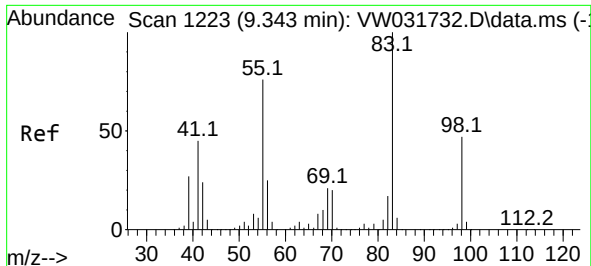
Tgt Ion: 75 Resp: 6217
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.328 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW031795.D
 Acq: 10 Jul 2025 12:19

Tgt Ion: 117 Resp: 7293
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.0 112.6#
 121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 1.216 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031795.D

Acq: 10 Jul 2025 12:19

Instrument :

MSVOA_W

ClientSampleId :

GPX3RE

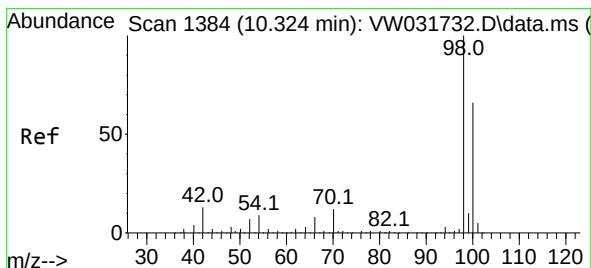
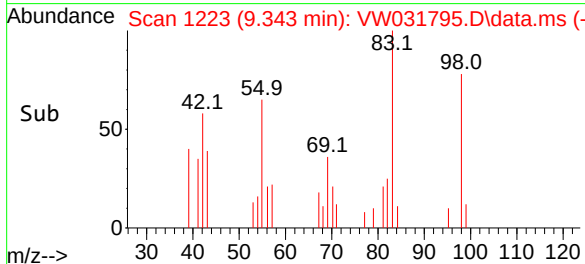
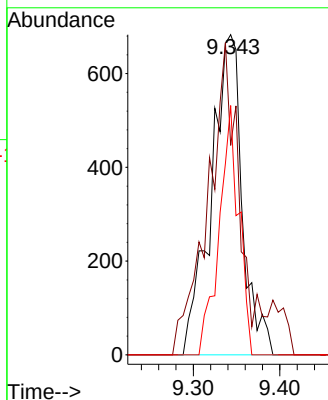
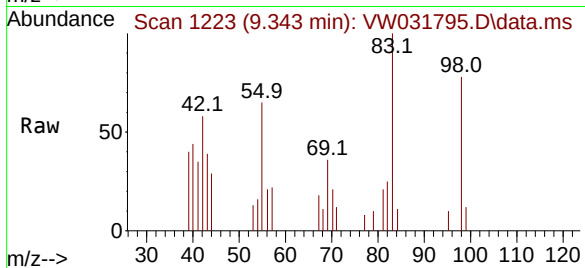
Tgt Ion: 83 Resp: 1711

Ion Ratio Lower Upper

83 100

55 54.6 61.0 91.4#

98 77.9 37.9 56.9#



#50

Toluene-d8

Concen: 35.924 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031795.D

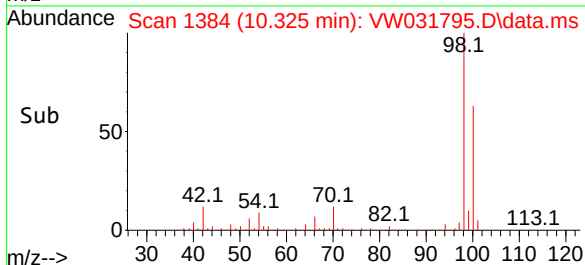
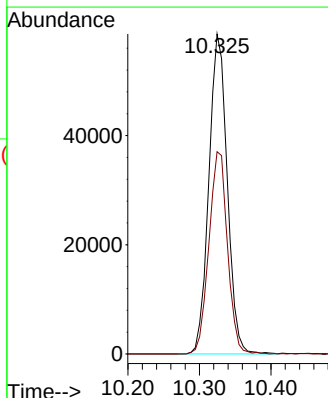
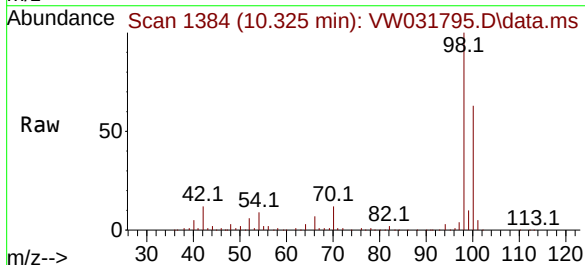
Acq: 10 Jul 2025 12:19

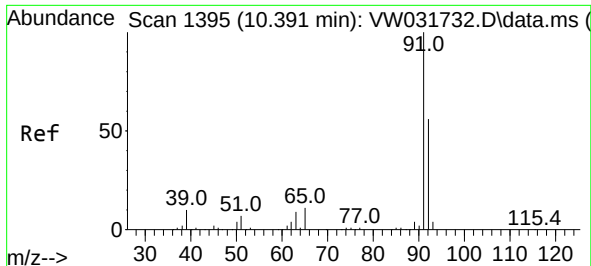
Tgt Ion: 98 Resp: 104494

Ion Ratio Lower Upper

98 100

100 63.9 53.0 79.4

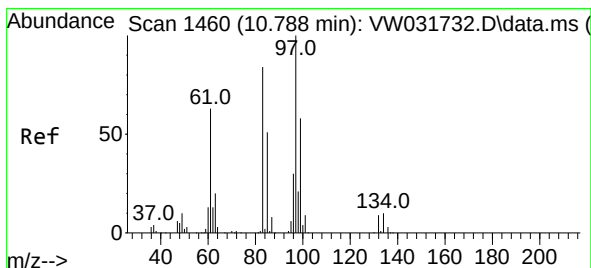
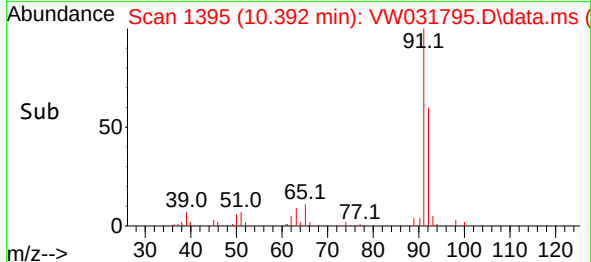
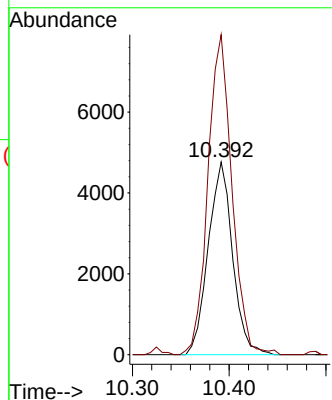
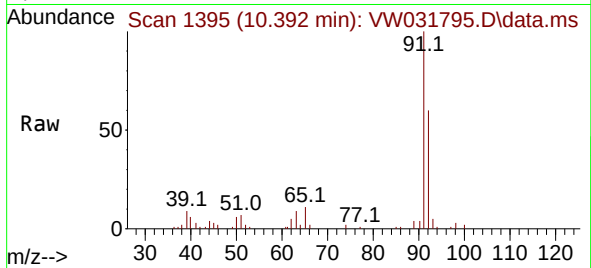




#52
Toluene
Concen: 3.894 ug/l
RT: 10.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

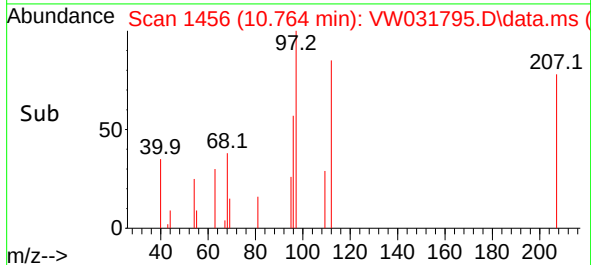
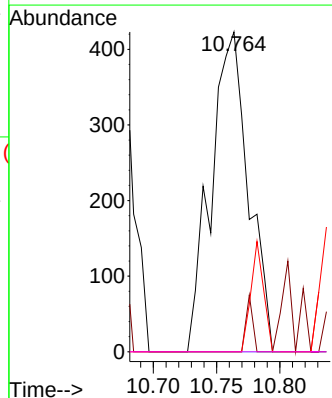
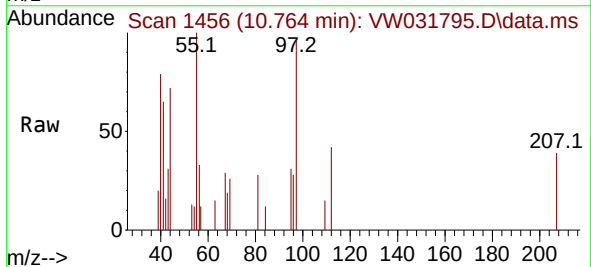
Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

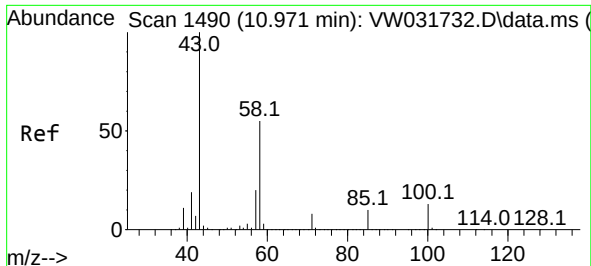
Tgt Ion: 92 Resp: 8342
Ion Ratio Lower Upper
92 100
91 164.0 139.5 209.3



#55
1,1,2-Trichloroethane
Concen: 1.276 ug/l
RT: 10.764 min Scan# 1456
Delta R.T. -0.024 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 97 Resp: 873
Ion Ratio Lower Upper
97 100
83 0.0 66.9 100.3#
85 0.0 41.1 61.7#
99 0.0 46.6 69.8#

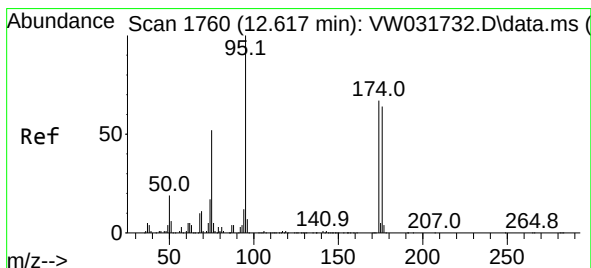
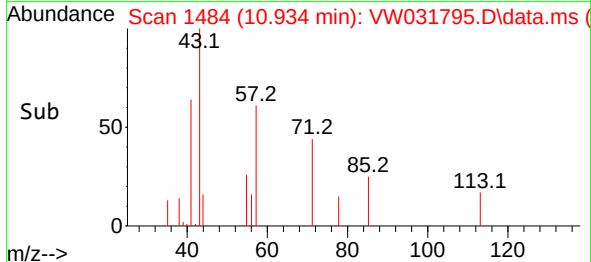
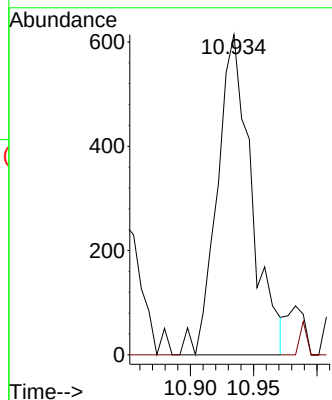
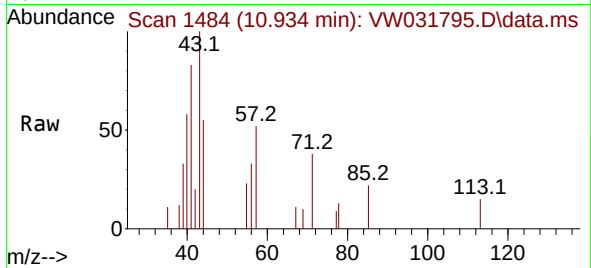




#59
2-Hexanone
Concen: 2.411 ug/l
RT: 10.934 min Scan# 1490
Delta R.T. -0.036 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

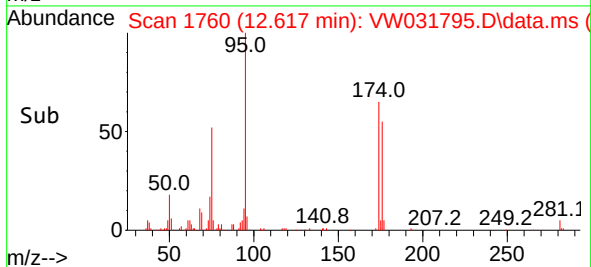
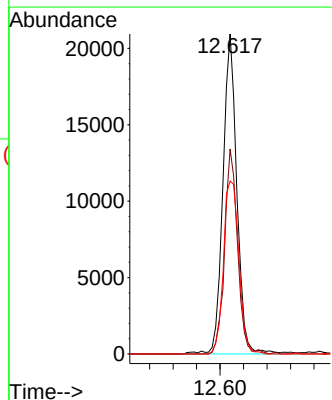
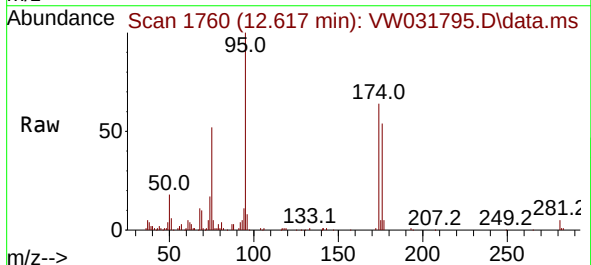
Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

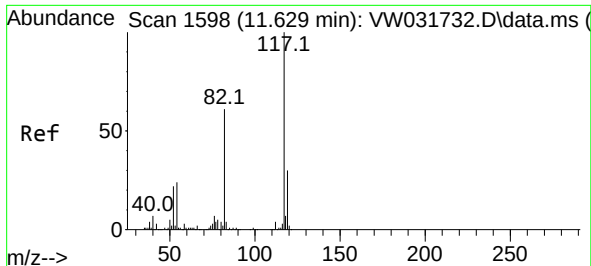
Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 32.175 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 95 Resp: 34441
Ion Ratio Lower Upper
95 100
174 59.7 0.0 133.8
176 59.9 0.0 126.0

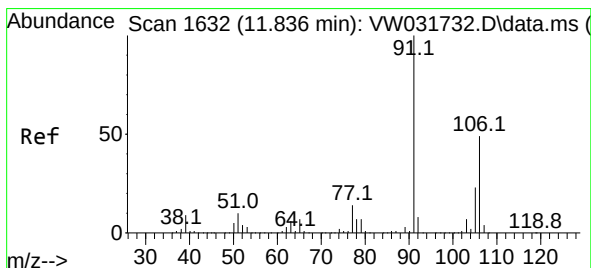
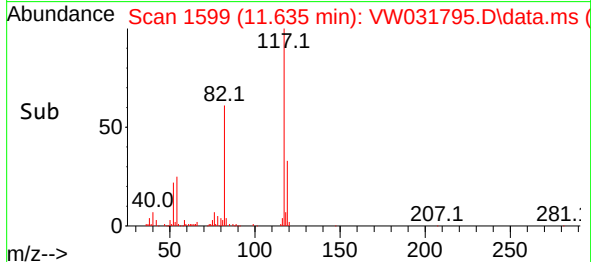
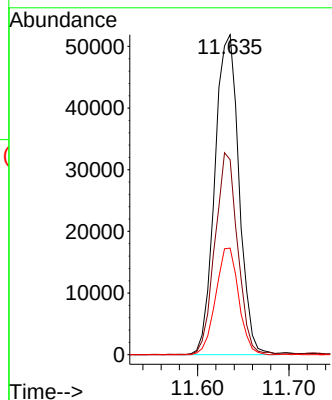
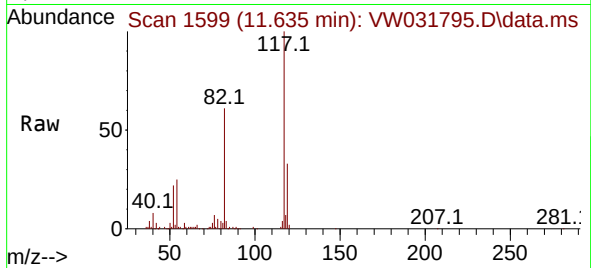




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

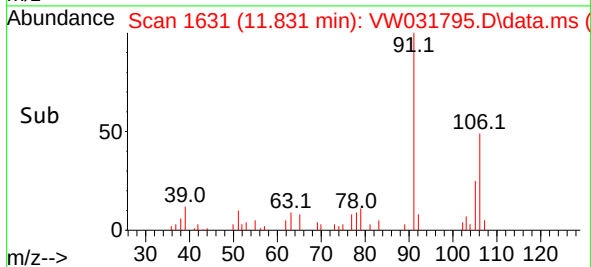
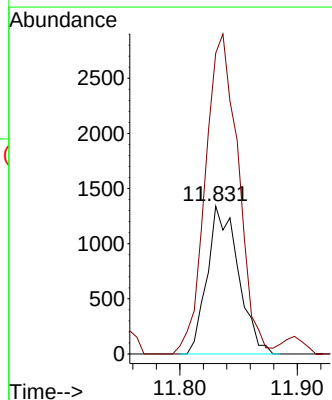
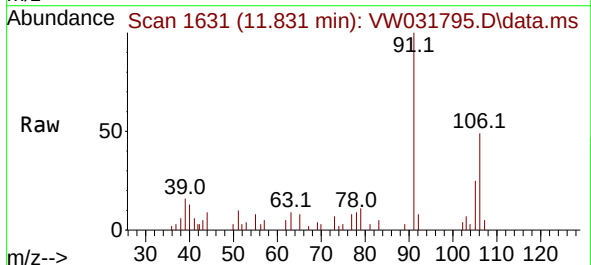
Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

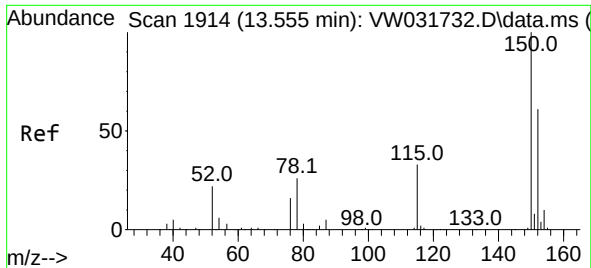
Tgt Ion:117 Resp: 95395
Ion Ratio Lower Upper
117 100
82 60.8 48.6 72.8
119 33.3 23.9 35.9



#68
m/p-Xylenes
Concen: 1.753 ug/l
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion:106 Resp: 2460
Ion Ratio Lower Upper
106 100
91 229.1 166.4 249.6

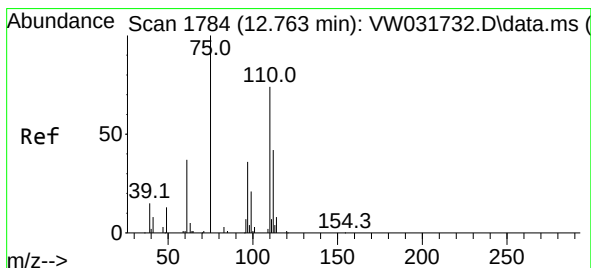
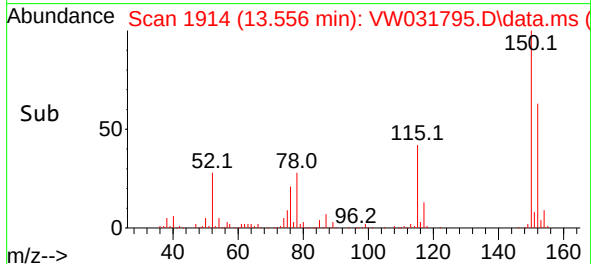
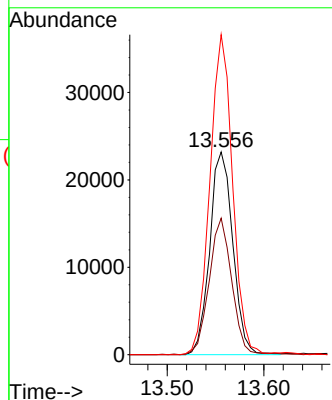
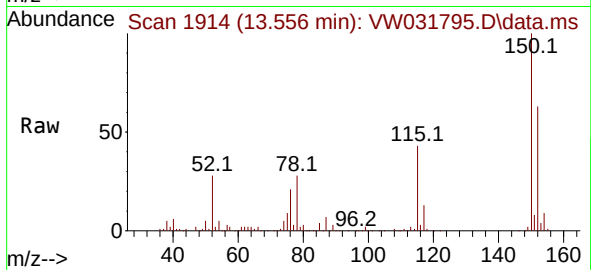




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031795.D
 Acq: 10 Jul 2025 12:19

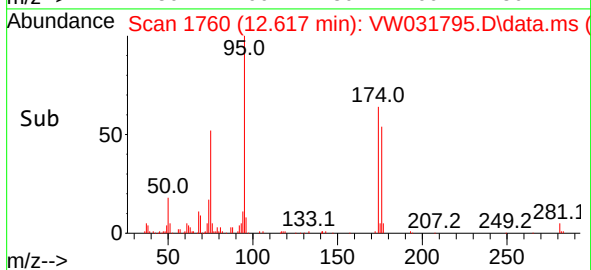
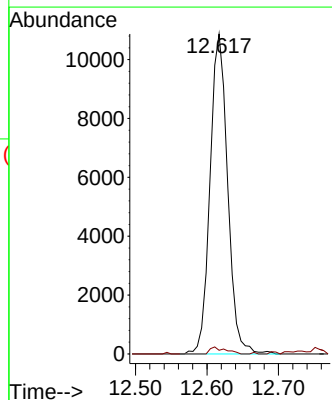
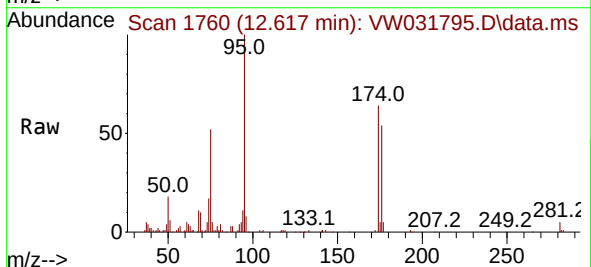
Instrument :
 MSVOA_W
 ClientSampleId :
 GPX3RE

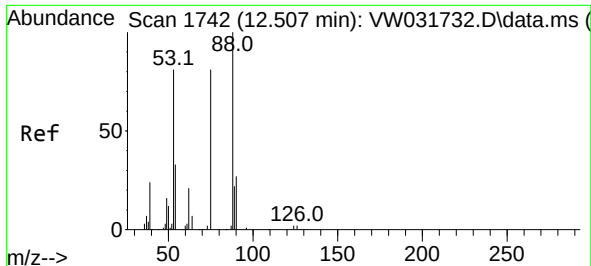
Tgt Ion:152 Resp: 38547
 Ion Ratio Lower Upper
 152 100
 115 66.0 31.9 95.7
 150 154.4 0.0 356.4



#76
 1,2,3-Trichloropropane
 Concen: 37.333 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031795.D
 Acq: 10 Jul 2025 12:19

Tgt Ion: 75 Resp: 18597
 Ion Ratio Lower Upper
 75 100
 77 1.9 141.2 423.6#

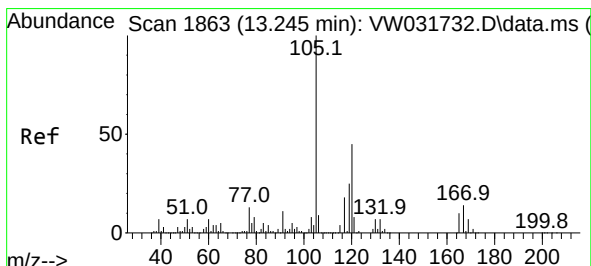
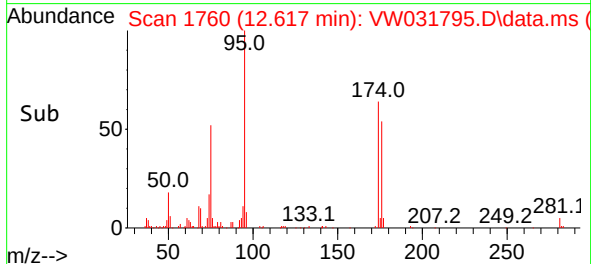
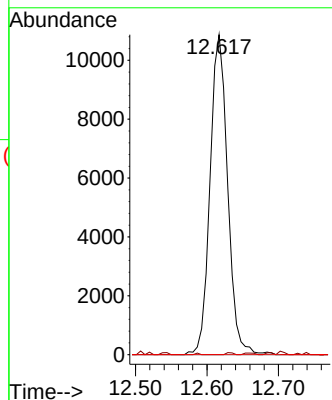
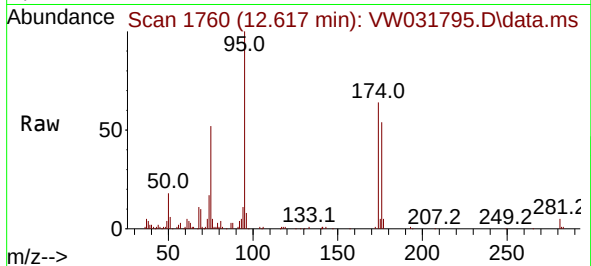




#81
trans-1,4-Dichloro-2-butene
Concen: 86.955 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

Tgt Ion: 75 Resp: 18597
Ion Ratio Lower Upper
75 100
53 0.3 83.5 125.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.074 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 105 Resp: 2640
Ion Ratio Lower Upper
105 100
120 46.1 22.1 66.1

