

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032484.D
 Acq On : 18 Nov 2025 16:14
 Operator : SY/MD
 Sample : Q3649-09
 Misc : 4.79g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B3-0.5-1.0-20251114

Quant Time: Nov 19 00:29:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

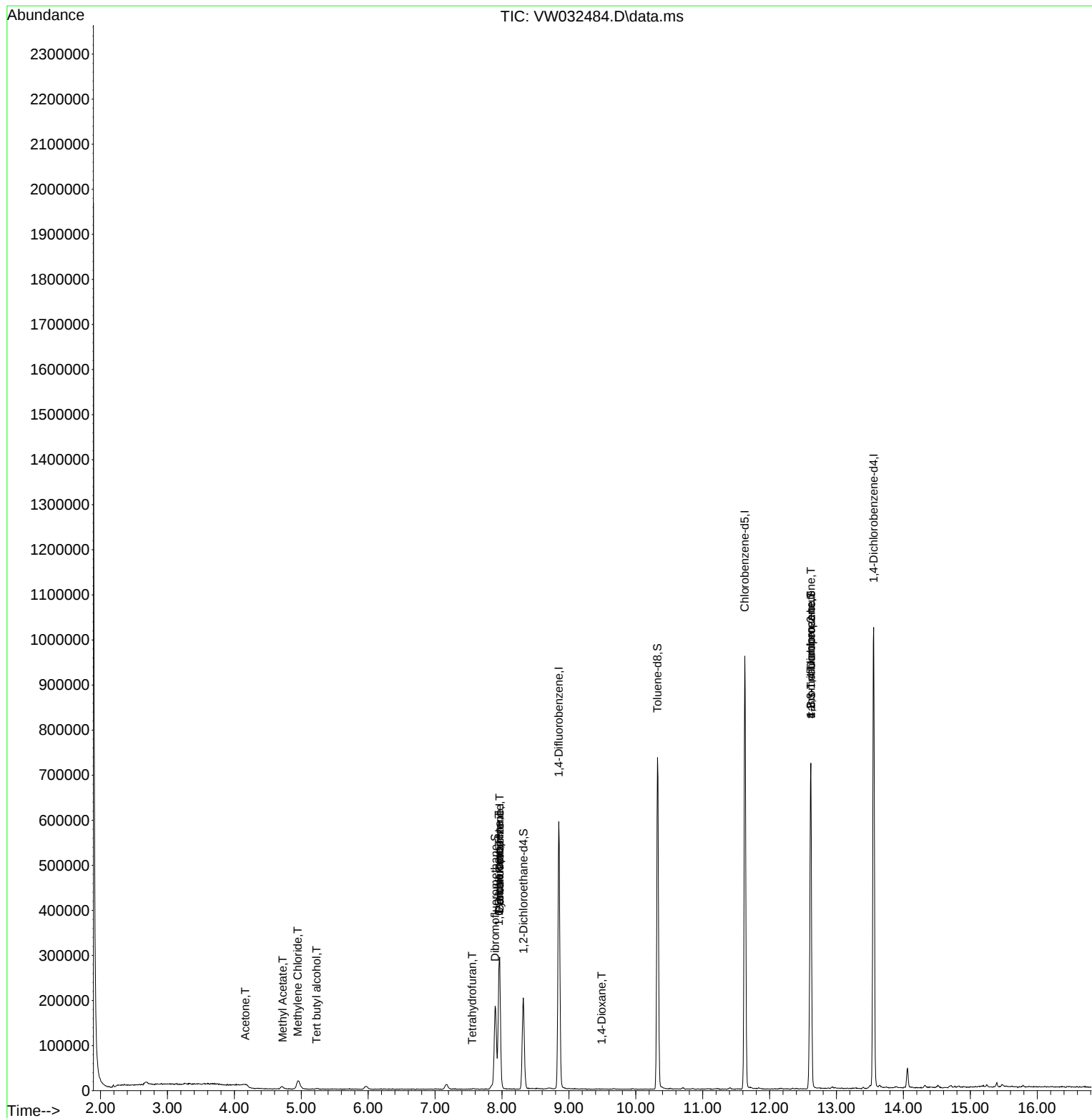
Internal Standards						
1) Pentafluorobenzene	7.965	168	212864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	490545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	510548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	271829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161220	58.747	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 117.500%			
35) Dibromofluoromethane	7.898	113	140948	47.990	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 95.980%			
50) Toluene-d8	10.325	98	491285	43.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 87.200%			
62) 4-Bromofluorobenzene	12.617	95	234272	55.040	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 110.080%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.228	59	676	2.849	ug/l	97
16) Acetone	4.161	43	2778	3.384	ug/l #	59
18) Methyl Acetate	4.722	43	11836	5.821	ug/l	100
20) Methylene Chloride	4.948	84	16857	5.741	ug/l	86
29) Tetrahydrofuran	7.557	42	896	1.167	ug/l #	43
31) Cyclohexane	7.959	56	5484	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	19161	4.428	ug/l #	49
38) Carbon Tetrachloride	7.965	117	23028	5.989	ug/l #	16
49) 1,4-Dioxane	9.489	88	30	1.056	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	120003	32.196	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	120003	73.744	ug/l #	11

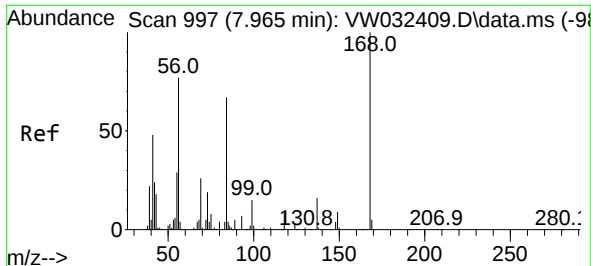
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032484.D
Acq On : 18 Nov 2025 16:14
Operator : SY/MD
Sample : Q3649-09
Misc : 4.79g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

Quant Time: Nov 19 00:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

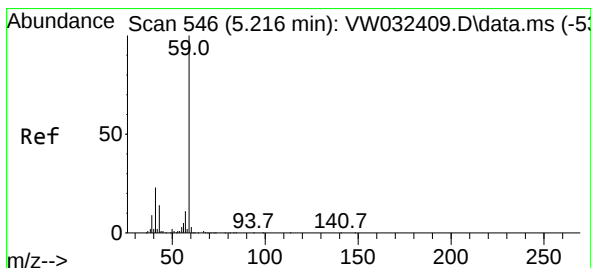
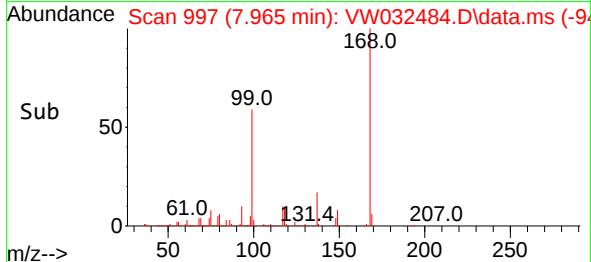
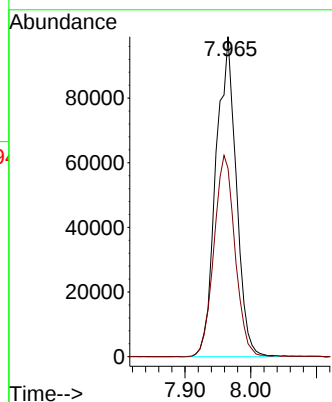
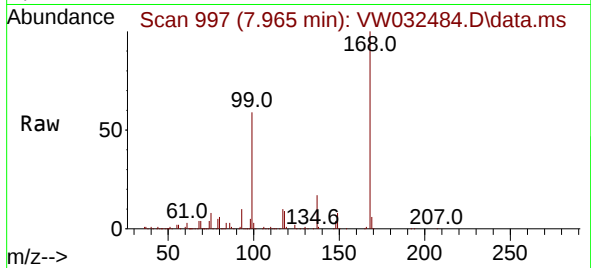




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

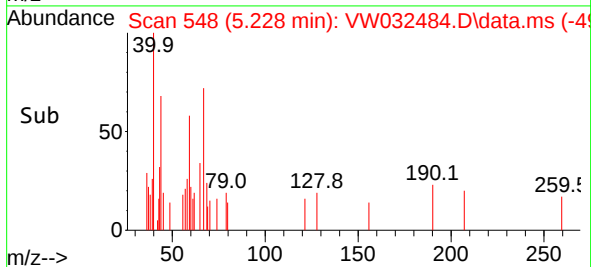
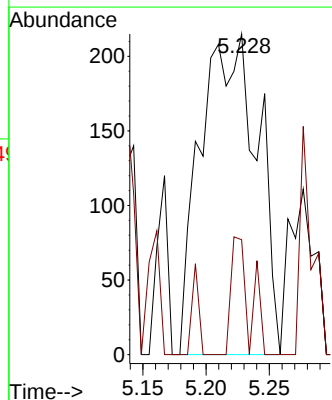
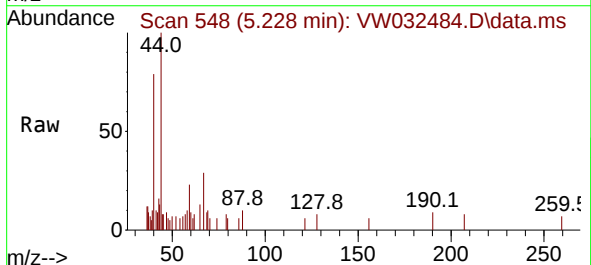
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

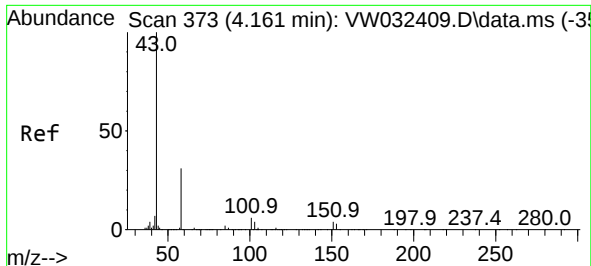
Tgt Ion:168 Resp: 212864
Ion Ratio Lower Upper
168 100
99 58.9 45.4 68.2



#11
Tert butyl alcohol
Concen: 2.849 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion: 59 Resp: 676
Ion Ratio Lower Upper
59 100
57 11.8 8.6 12.8

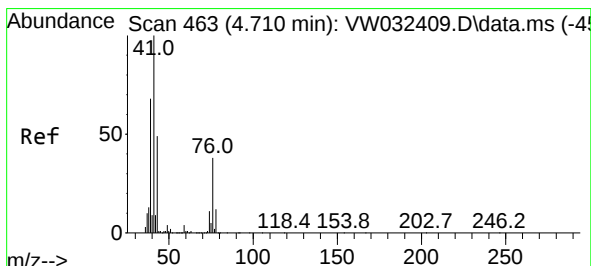
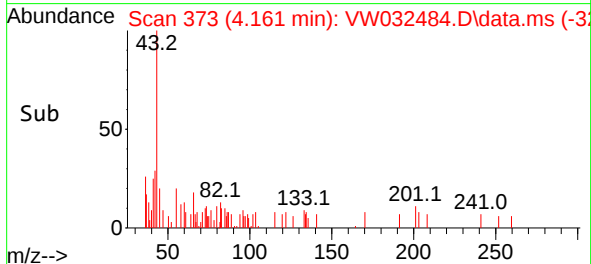
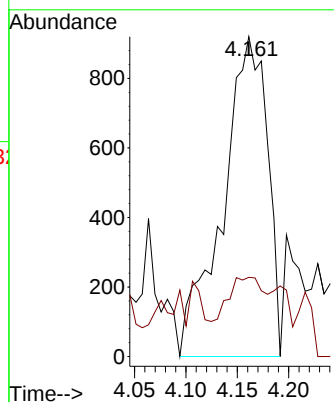
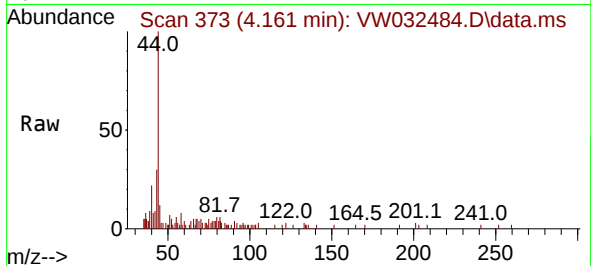




#16
Acetone
Concen: 3.384 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

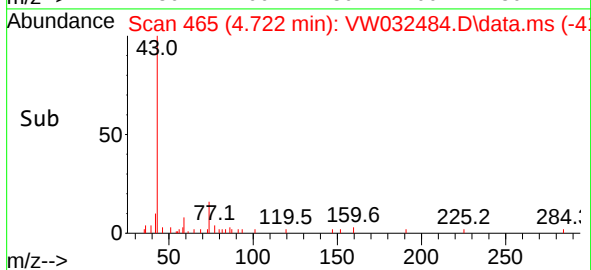
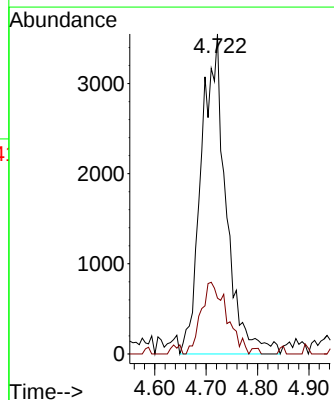
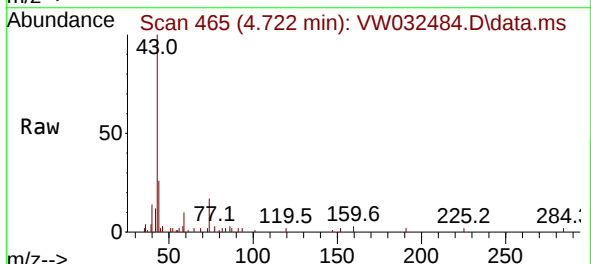
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

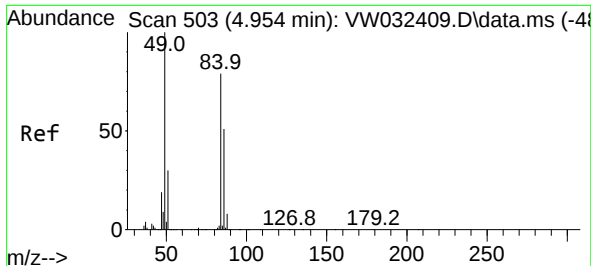
Tgt Ion: 43 Resp: 2778
Ion Ratio Lower Upper
43 100
58 8.3 24.8 37.2#



#18
Methyl Acetate
Concen: 5.821 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion: 43 Resp: 11836
Ion Ratio Lower Upper
43 100
74 23.4 18.9 28.3

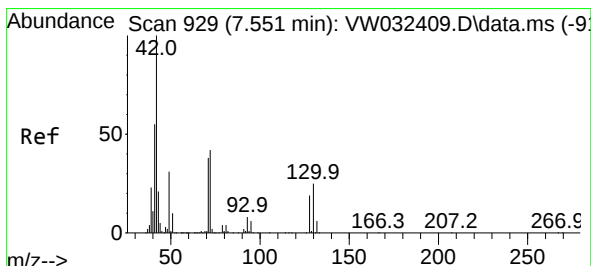
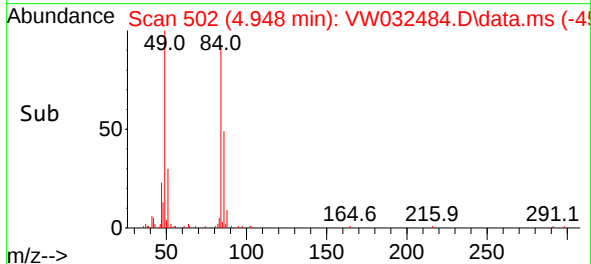
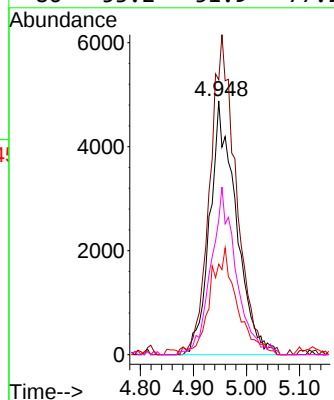
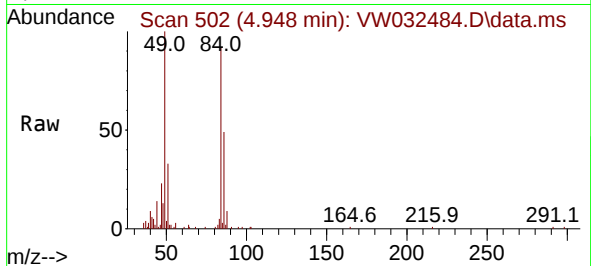




#20
Methylene Chloride
Concen: 5.741 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

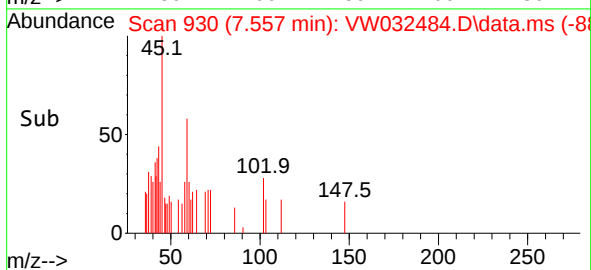
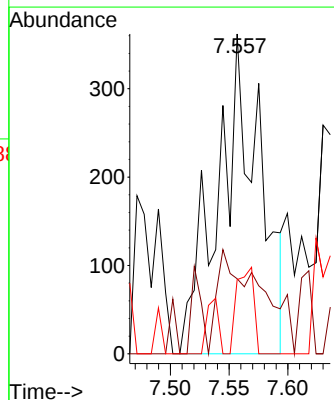
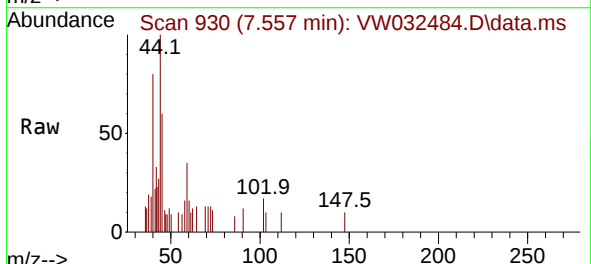
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

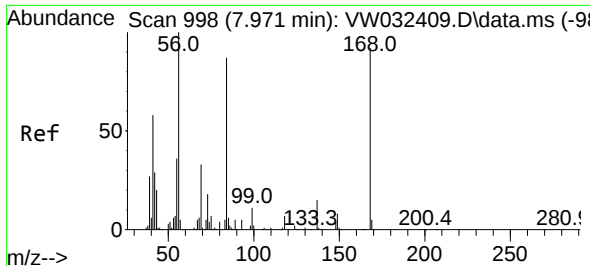
Tgt Ion:	84	Resp:	16857
Ion	Ratio	Lower	Upper
84	100		
49	108.3	101.5	152.3
51	35.7	30.6	46.0
86	53.2	51.9	77.9



#29
Tetrahydrofuran
Concen: 1.167 ug/l
RT: 7.557 min Scan# 930
Delta R.T. 0.006 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion:	42	Resp:	896
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.6	50.4#
71	10.9	31.4	47.0#

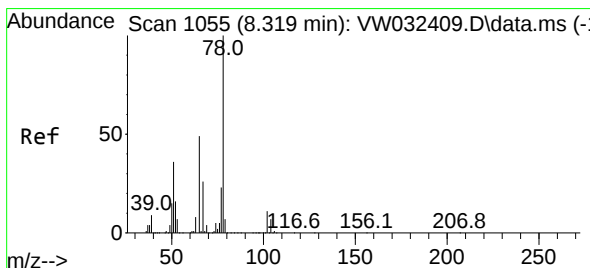
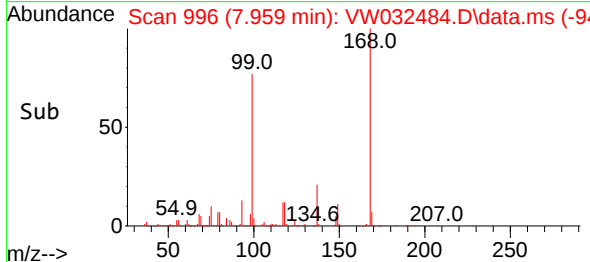
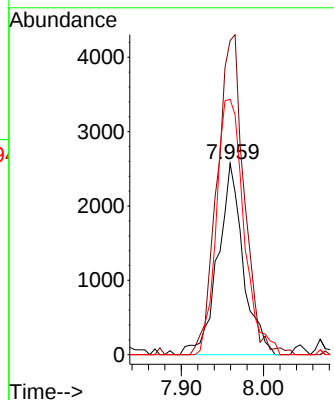
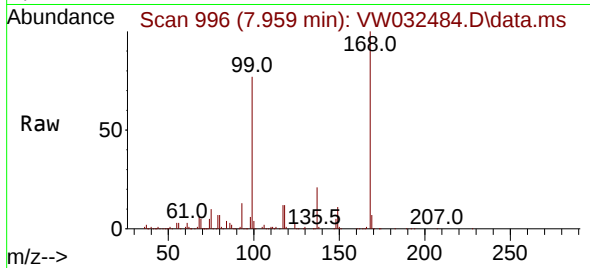




#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

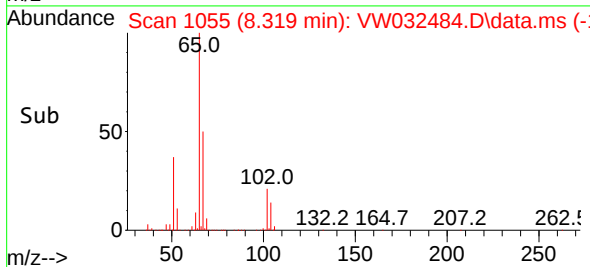
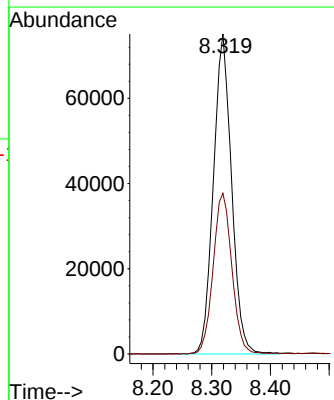
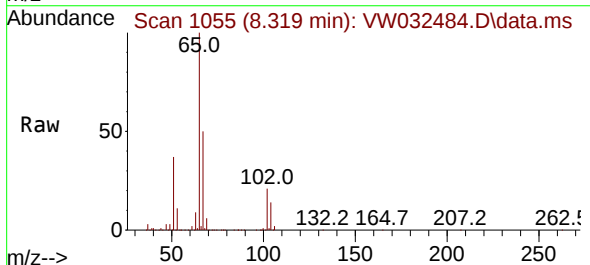
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

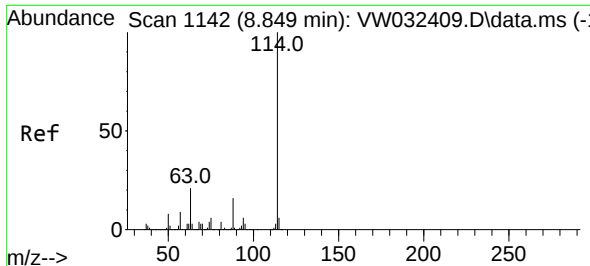
Tgt Ion: 56 Resp: 5484
Ion Ratio Lower Upper
56 100
69 164.3 26.5 39.7#
84 133.6 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 58.747 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion: 65 Resp: 161220
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8

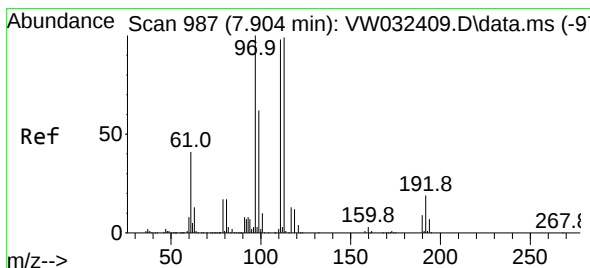
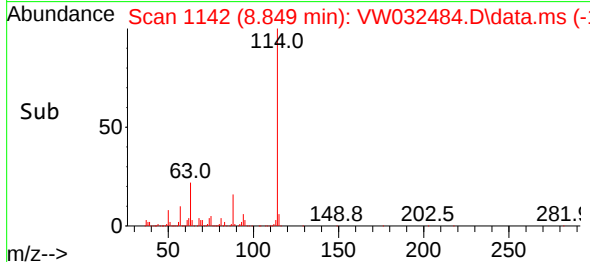
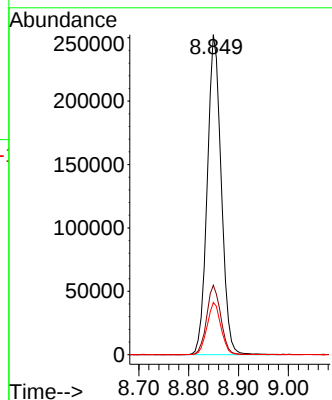
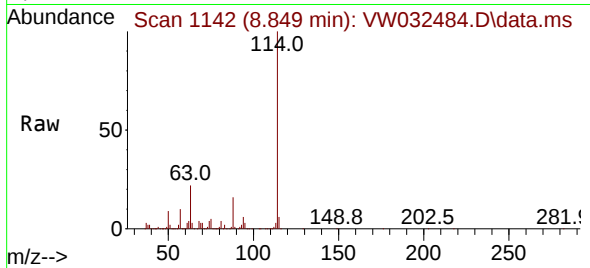




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

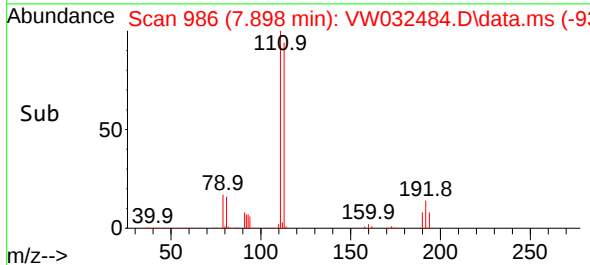
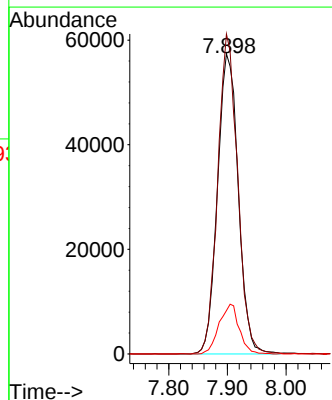
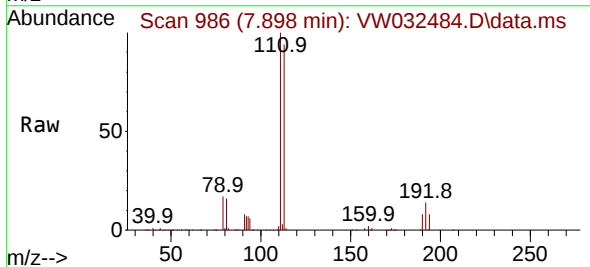
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

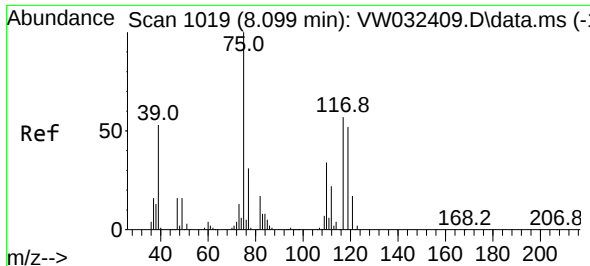
Tgt Ion:	114	Resp:	490545
Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	16.3	0.0	32.6



#35
Dibromofluoromethane
Concen: 47.990 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion:	113	Resp:	140948
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.1	124.7
192	16.1	13.4	20.2

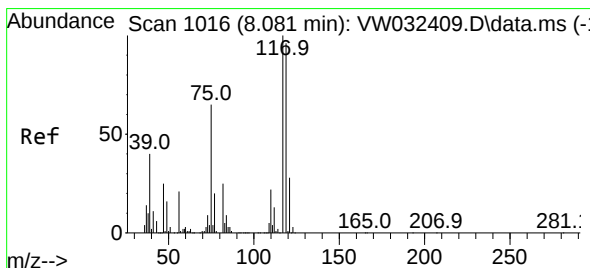
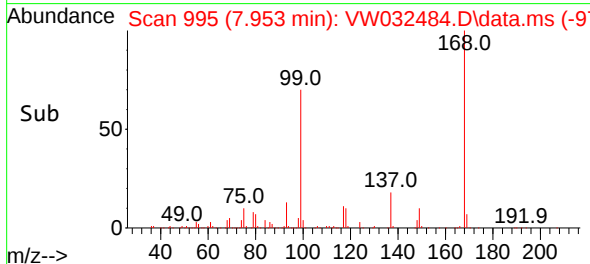
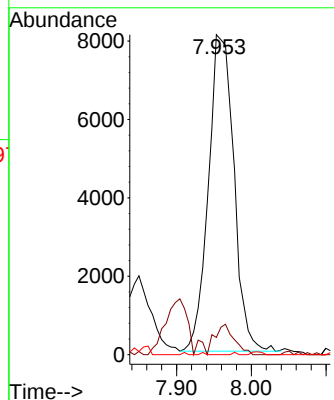
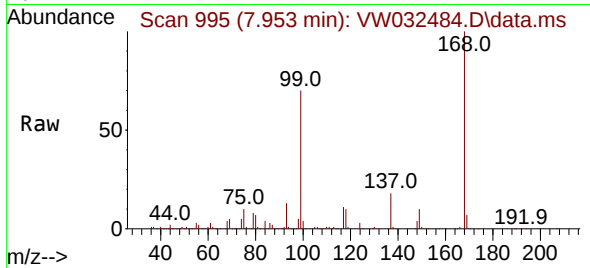




#36
1,1-Dichloropropene
Concen: 4.428 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.146 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

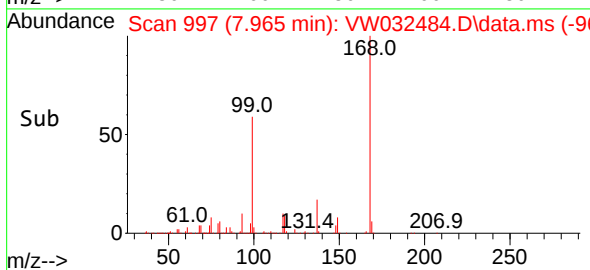
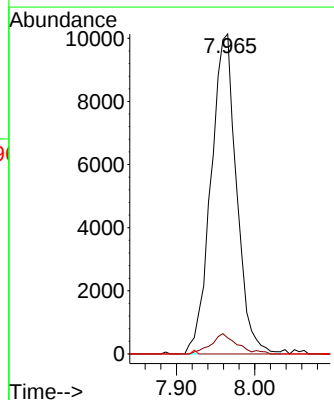
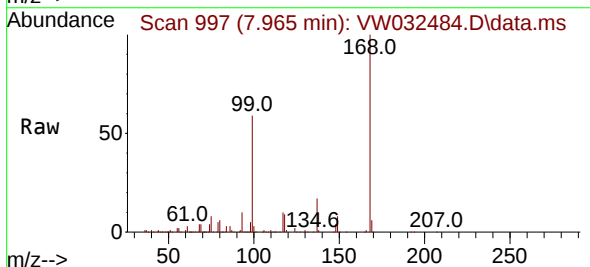
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

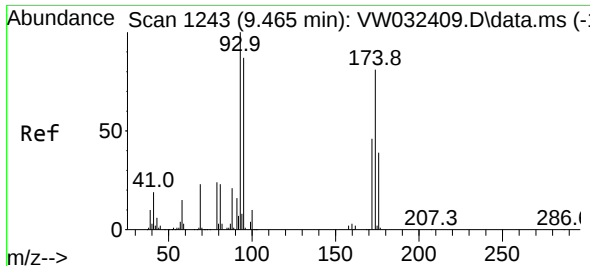
Tgt Ion: 75 Resp: 19161
Ion Ratio Lower Upper
75 100
110 7.3 17.2 51.5#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.989 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

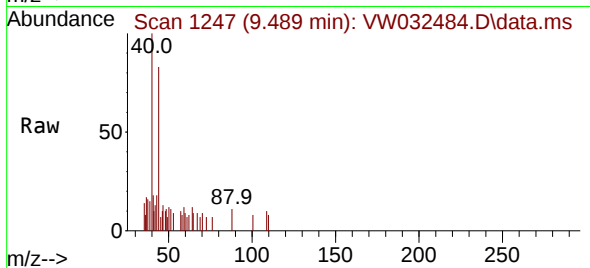
Tgt Ion: 117 Resp: 23028
Ion Ratio Lower Upper
117 100
119 5.0 77.0 115.4#
121 0.0 22.0 33.0#



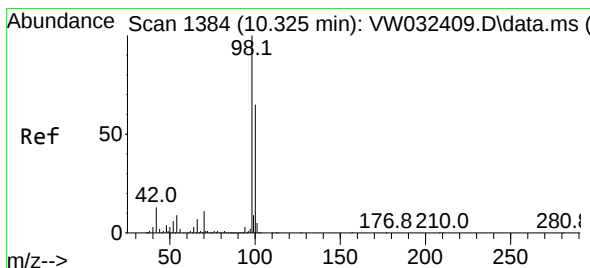
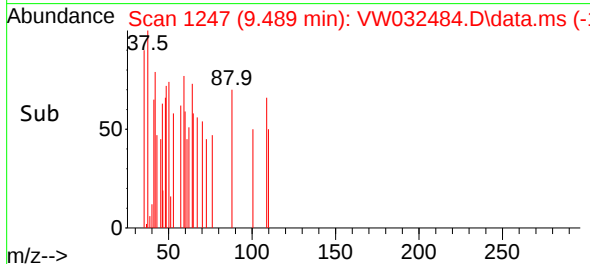
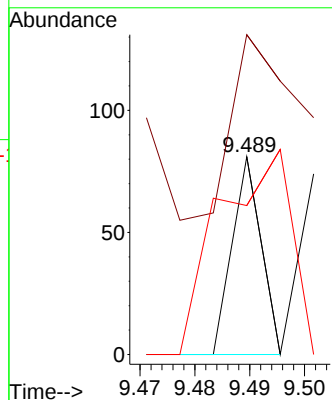


#49
1,4-Dioxane
Concen: 1.056 ug/l
RT: 9.489 min Scan# 1247
Delta R.T. 0.024 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

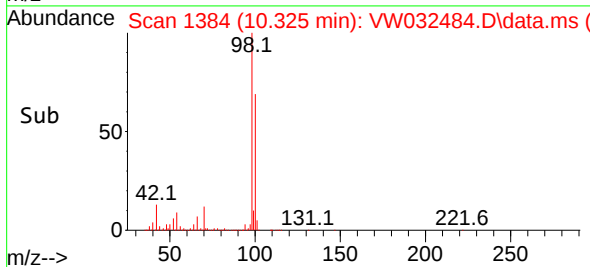
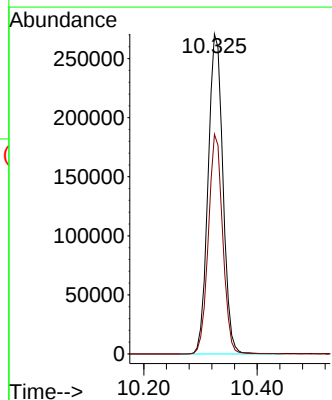
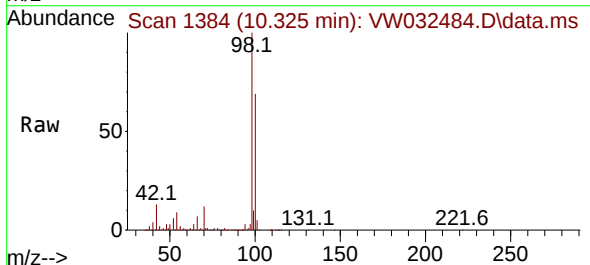


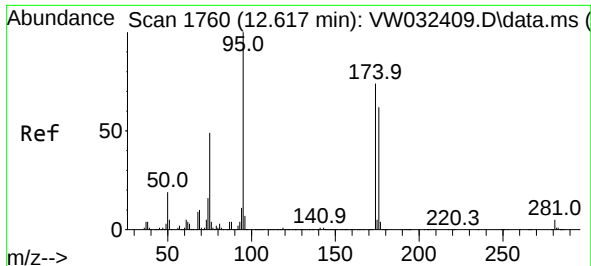
Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 736.7 0.0 0.0#
58 253.3 63.0 94.4#



#50
Toluene-d8
Concen: 43.603 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion: 98 Resp: 491285
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9

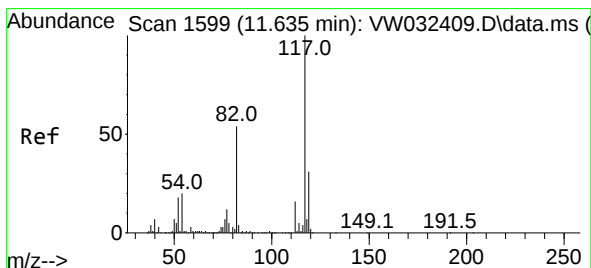
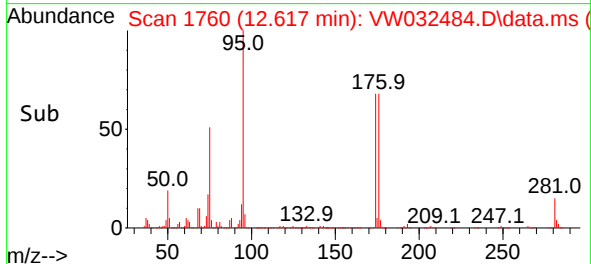
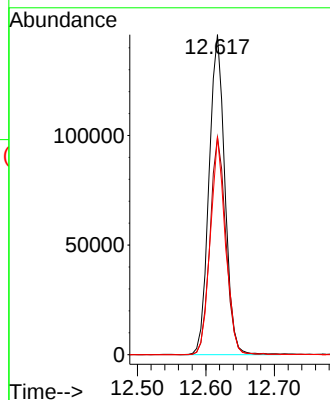
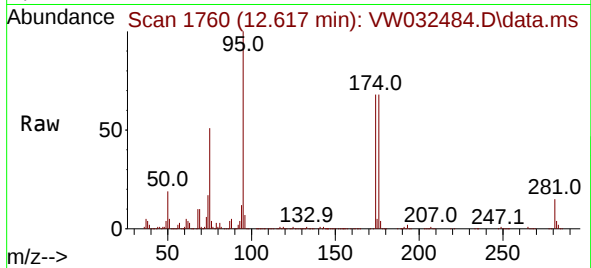




#62
4-Bromofluorobenzene
Concen: 55.040 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

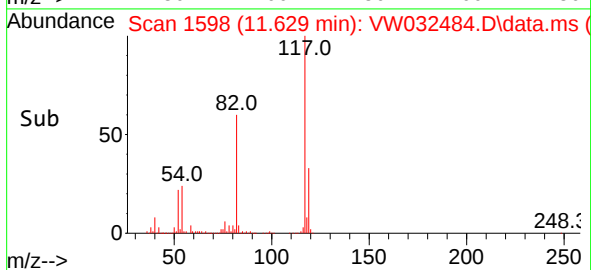
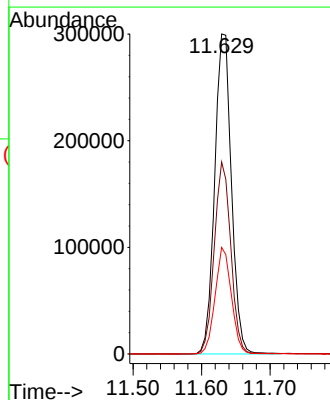
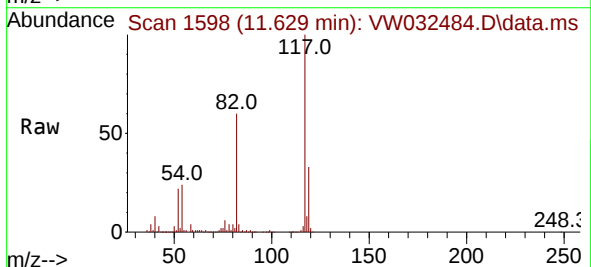
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

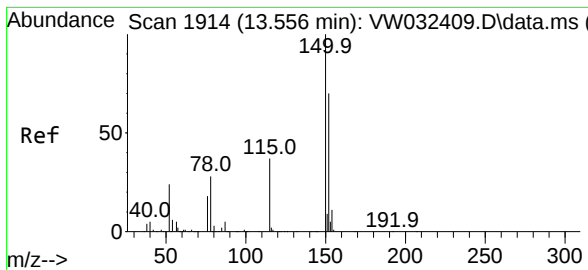
Tgt Ion: 95 Resp: 234272
Ion Ratio Lower Upper
95 100
174 68.0 0.0 135.4
176 65.3 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion: 117 Resp: 510548
Ion Ratio Lower Upper
117 100
82 60.0 43.0 64.4
119 33.3 25.0 37.6

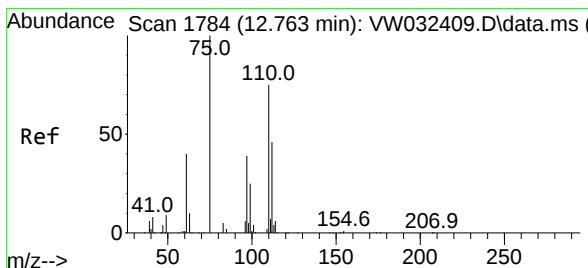
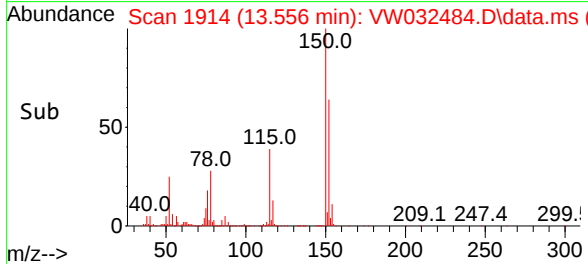
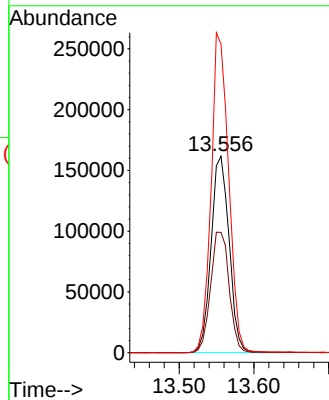
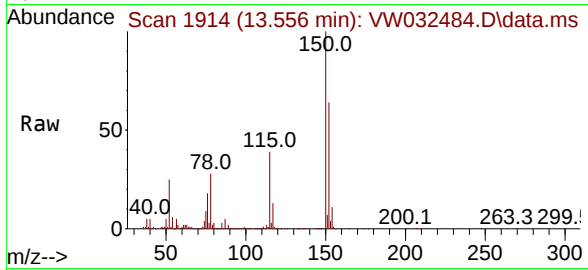




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032484.D
 Acq: 18 Nov 2025 16:14

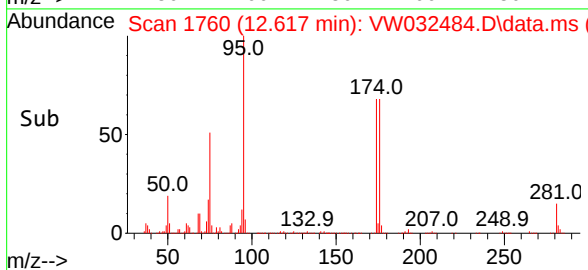
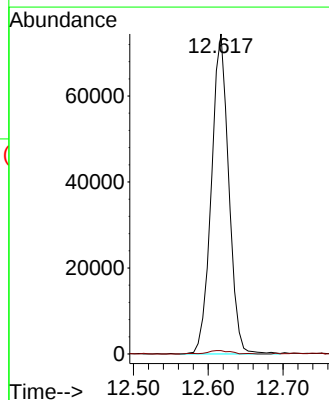
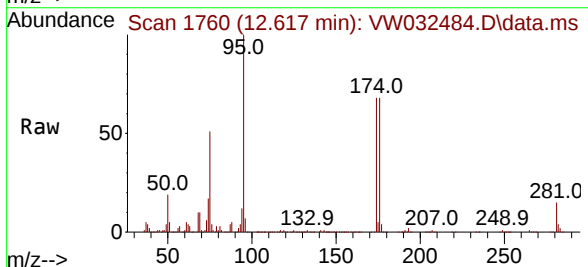
Instrument :
 MSVOA_W
 ClientSampleId :
 B3-0.5-1.0-20251114

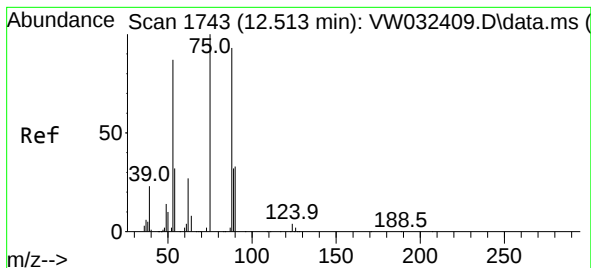
Tgt Ion:152 Resp: 271829
 Ion Ratio Lower Upper
 152 100
 115 63.2 32.8 98.3
 150 158.0 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 32.196 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032484.D
 Acq: 18 Nov 2025 16:14

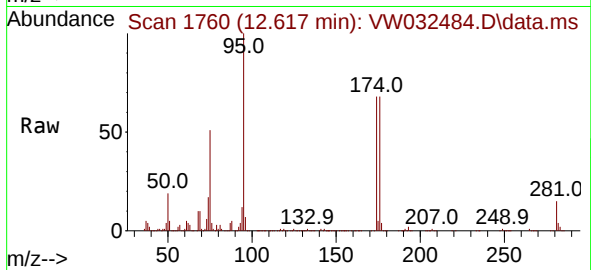
Tgt Ion: 75 Resp: 120003
 Ion Ratio Lower Upper
 75 100
 77 1.4 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.744 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032484.D
 Acq: 18 Nov 2025 16:14

Instrument :
 MSVOA_W
 ClientSampleId :
 B3-0.5-1.0-20251114



Tgt Ion: 75 Resp: 120003
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.7 35.6 53.4#

