

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032481.D
 Acq On : 18 Nov 2025 15:08
 Operator : SY/MD
 Sample : Q3649-02
 Misc : 5.58g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B5-0.5-1.0-20251114

Quant Time: Nov 19 00:28:38 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)

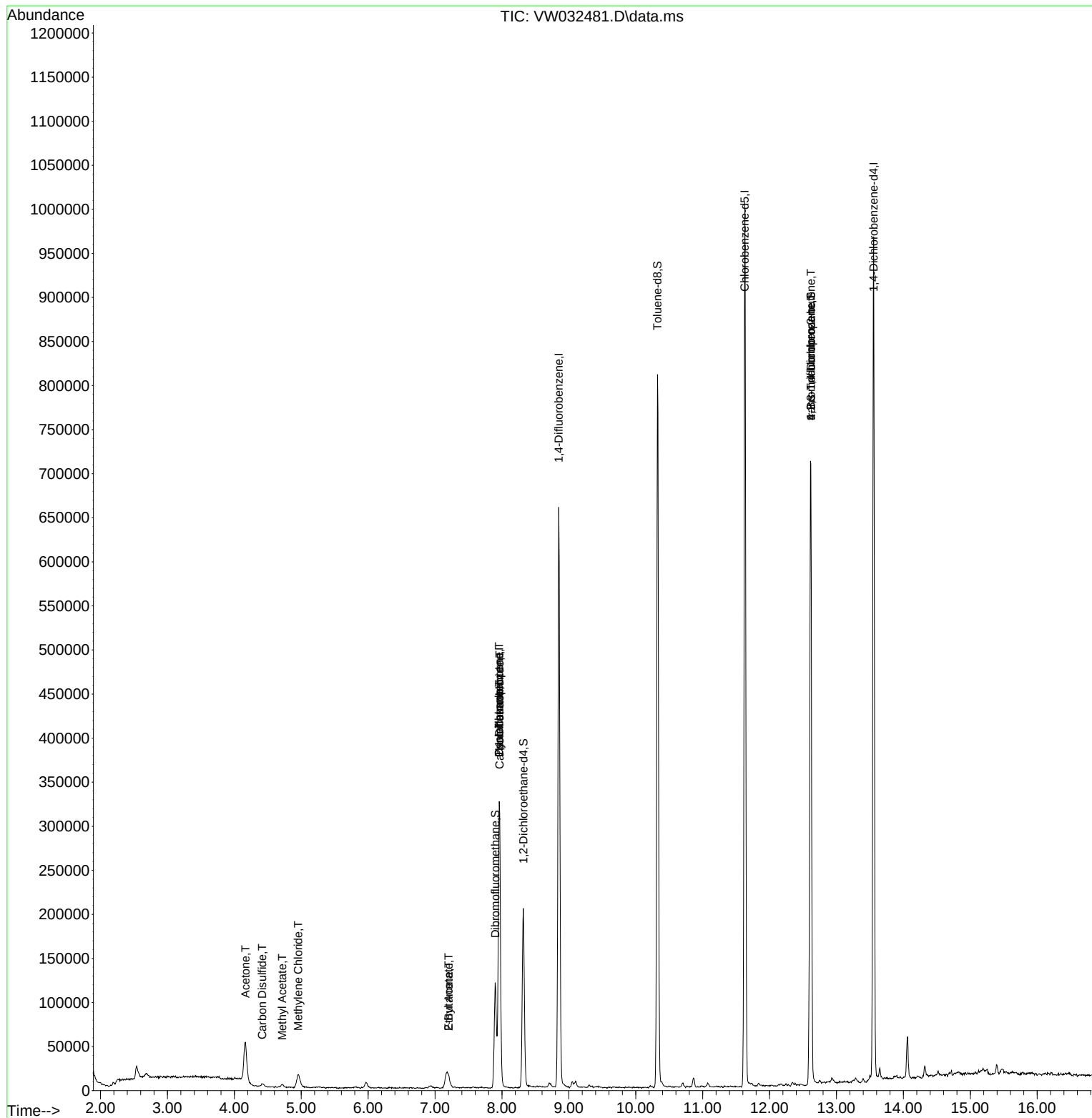
Internal Standards						
1) Pentafluorobenzene	7.959	168	233542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	544119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	564941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	233242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160463	53.294	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 106.580%		
35) Dibromofluoromethane	7.898	113	87563	26.878	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 53.760%#		
50) Toluene-d8	10.325	98	536861	42.956	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 85.920%		
62) 4-Bromofluorobenzene	12.617	95	242719	51.410	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 102.820%		
Target Compounds						
					Qvalue	
16) Acetone	4.167	43	83053	92.200	ug/l	100
17) Carbon Disulfide	4.417	76	7624	1.028	ug/l	99
18) Methyl Acetate	4.716	43	6340	2.842	ug/l	96
20) Methylene Chloride	4.954	84	12536	3.891	ug/l	97
25) 2-Butanone	7.203	43	18676	14.073	ug/l	99
31) Cyclohexane	7.959	56	5893	1.183	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20602	4.292	ug/l #	51
37) Ethyl Acetate	7.203	43	18676	5.232	ug/l #	69
38) Carbon Tetrachloride	7.965	117	25444	5.966	ug/l #	15
76) 1,2,3-Trichloropropane	12.617	75	121316	37.933	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	121316	86.884	ug/l #	11

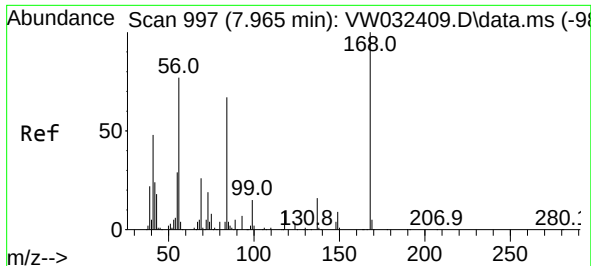
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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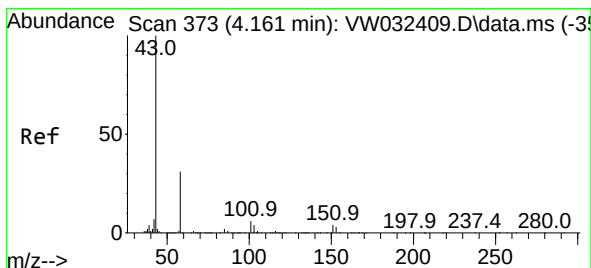
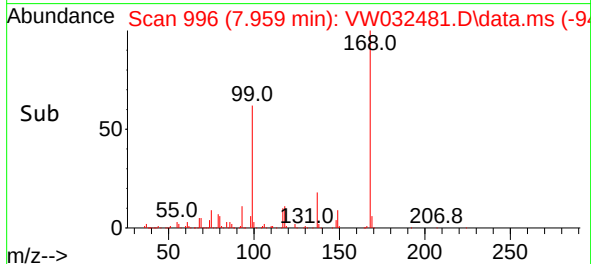
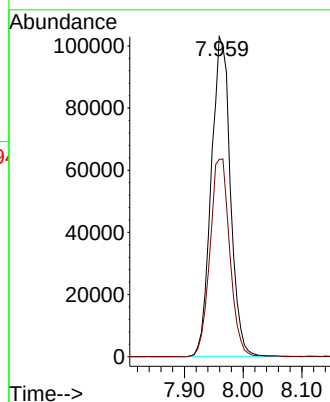
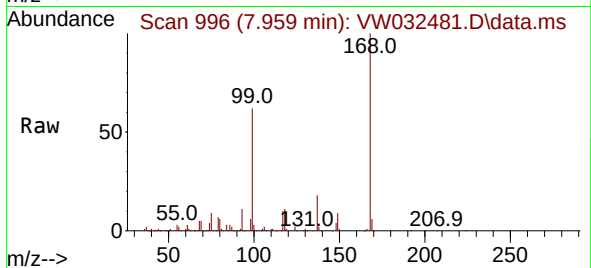




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

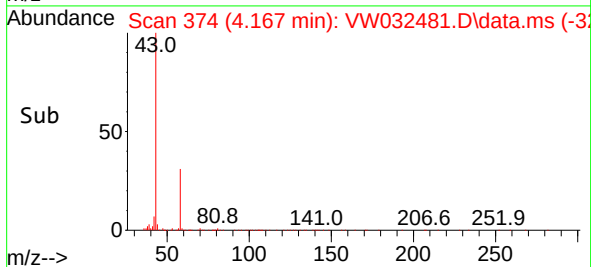
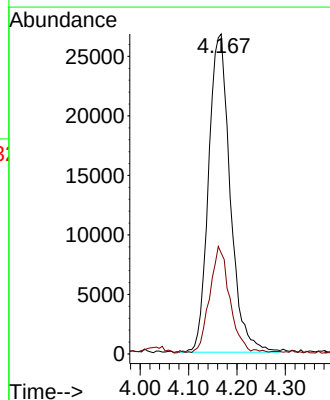
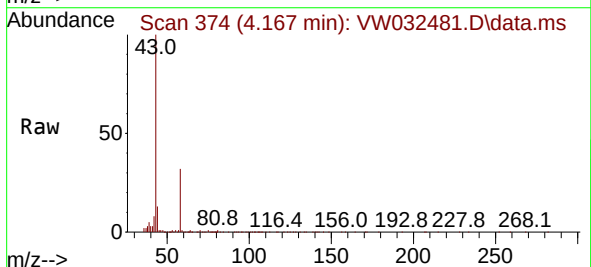
Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

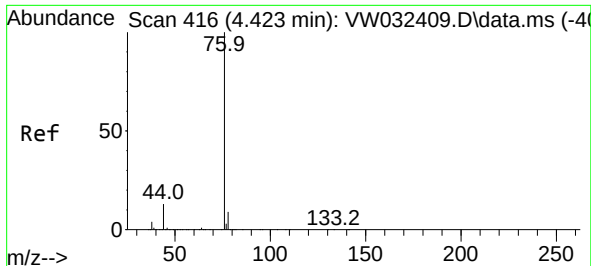
Tgt Ion:168 Resp: 233542
Ion Ratio Lower Upper
168 100
99 61.7 45.4 68.2



#16
Acetone
Concen: 92.200 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

Tgt Ion: 43 Resp: 83053
Ion Ratio Lower Upper
43 100
58 31.0 24.8 37.2

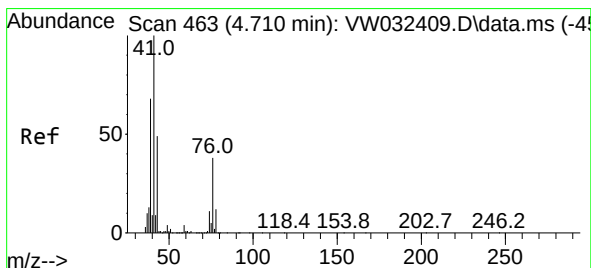
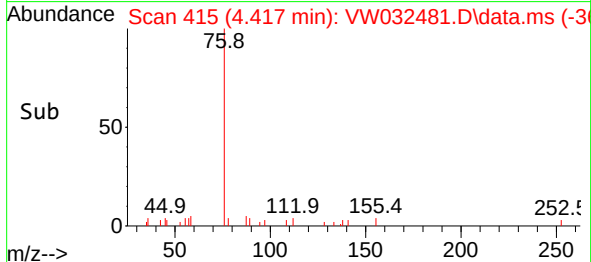
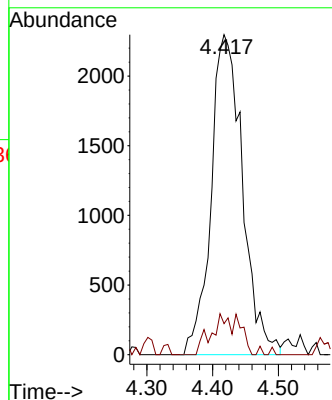
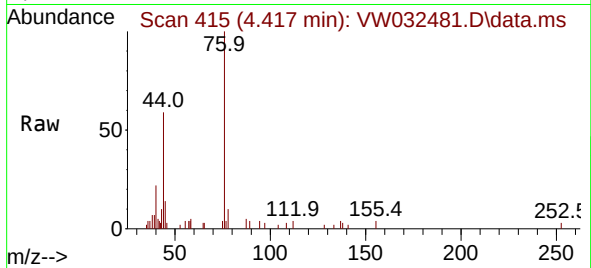




#17
Carbon Disulfide
Concen: 1.028 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

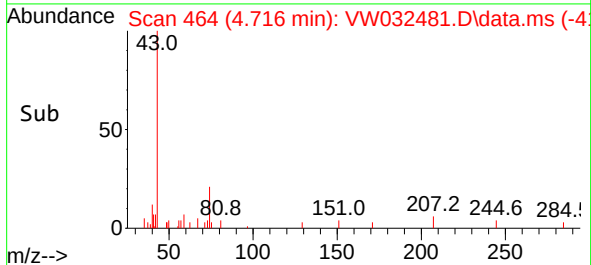
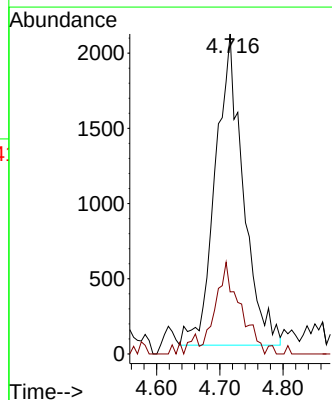
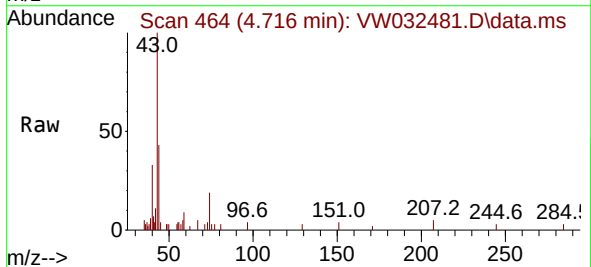
Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

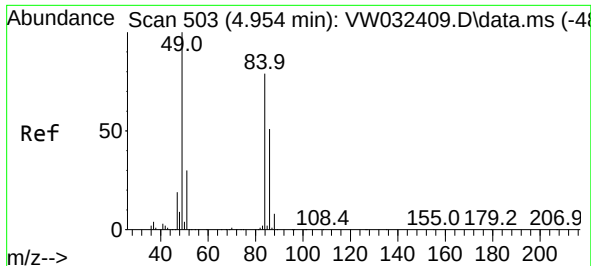
Tgt Ion: 76 Resp: 7624
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4



#18
Methyl Acetate
Concen: 2.842 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

Tgt Ion: 43 Resp: 6340
Ion Ratio Lower Upper
43 100
74 25.5 18.9 28.3

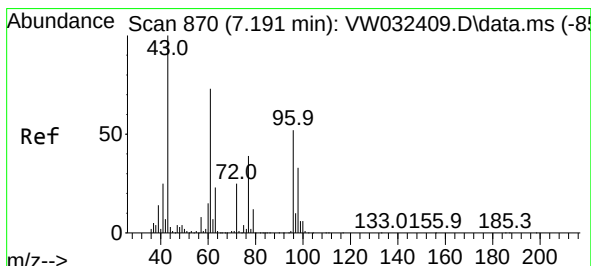
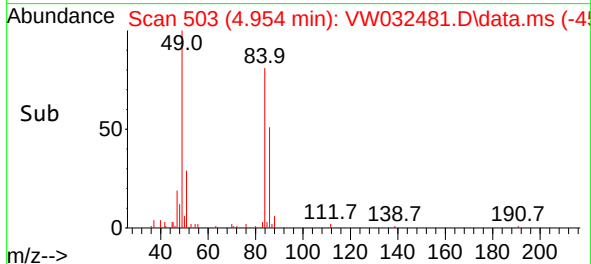
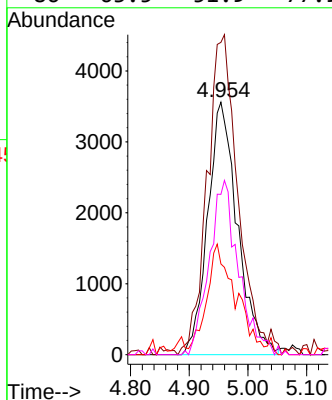
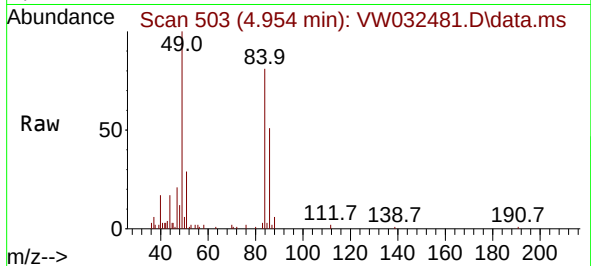




#20
Methylene Chloride
Concen: 3.891 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

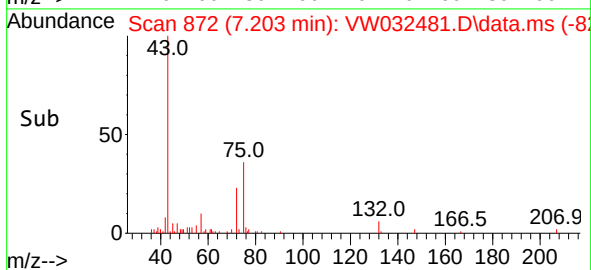
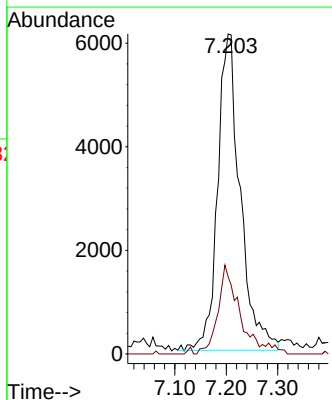
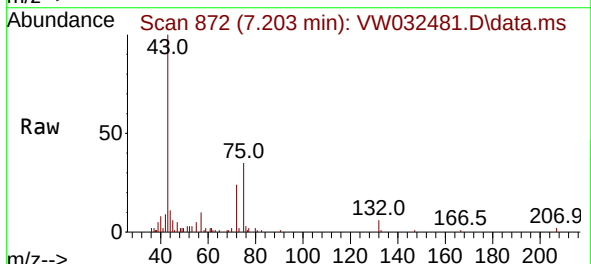
Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

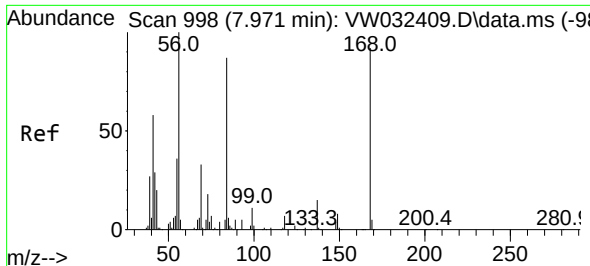
Tgt Ion:	84	Resp:	12536
Ion	Ratio	Lower	Upper
84	100		
49	123.7	101.5	152.3
51	36.0	30.6	46.0
86	63.5	51.9	77.9



#25
2-Butanone
Concen: 14.073 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

Tgt Ion:	43	Resp:	18676
Ion	Ratio	Lower	Upper
43	100		
72	24.4	20.0	30.0

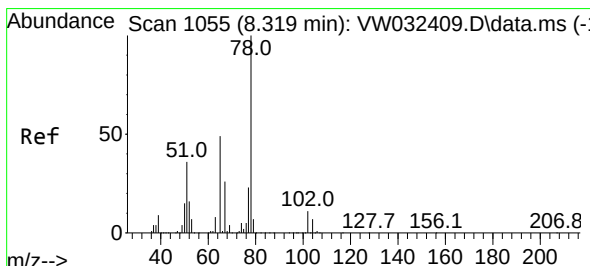
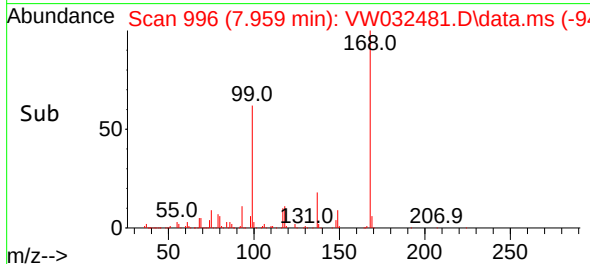
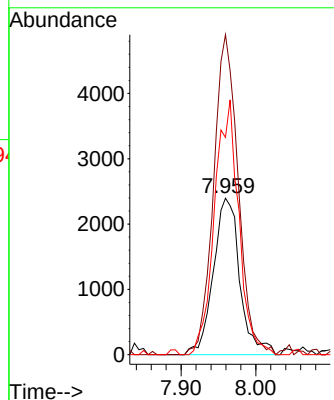
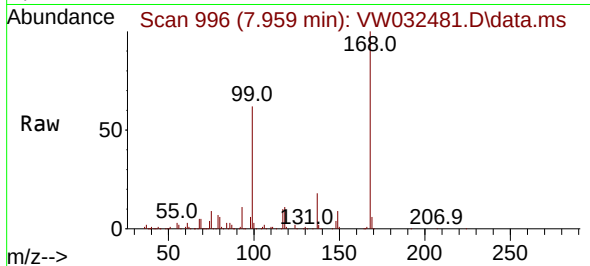




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

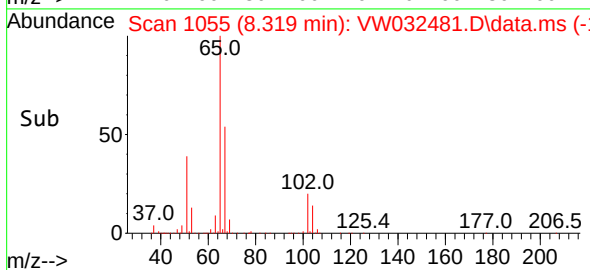
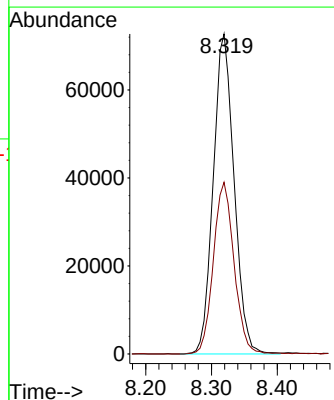
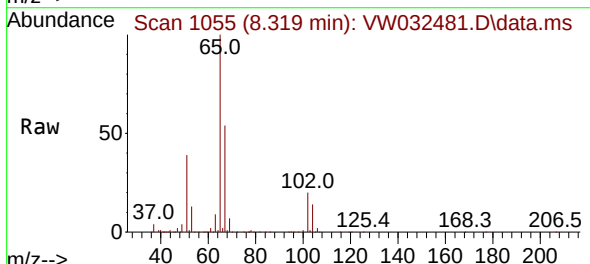
Instrument :
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ClientSampleId :
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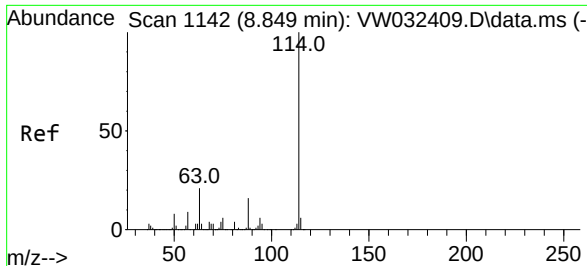
Tgt Ion: 56 Resp: 5893
Ion Ratio Lower Upper
56 100
69 204.5 26.5 39.7#
84 138.9 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 53.294 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

Tgt Ion: 65 Resp: 160463
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

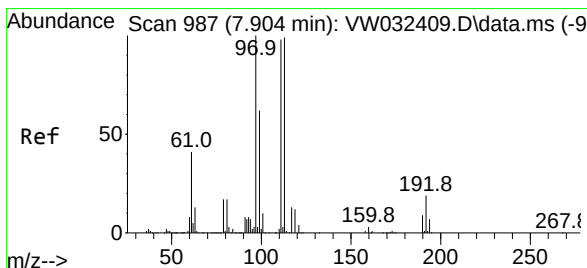
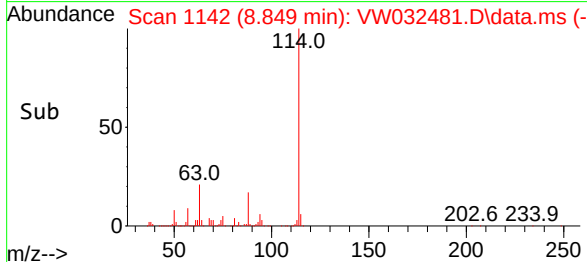
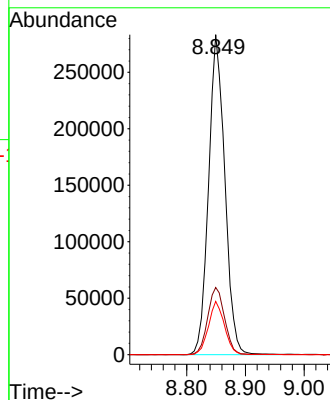
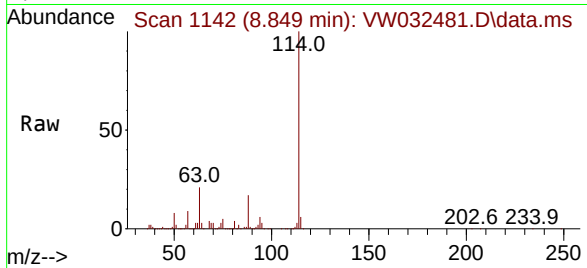




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

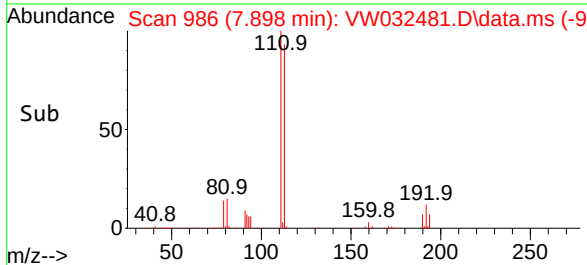
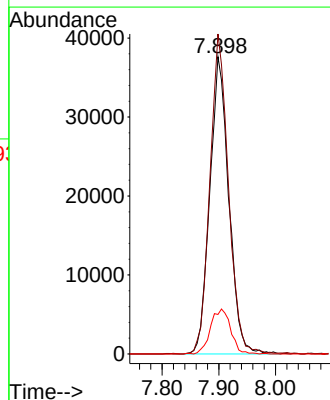
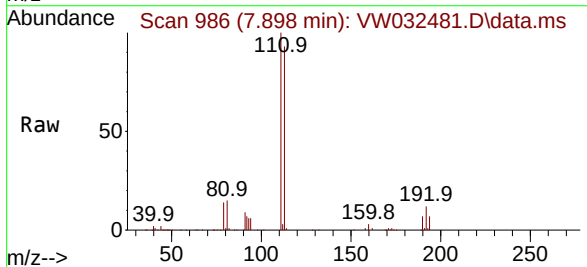
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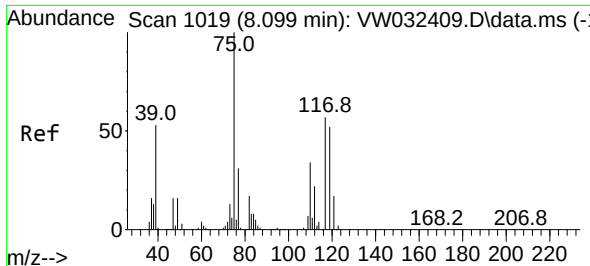
Tgt Ion:	114	Resp:	544119
Ion Ratio	Lower	Upper	
114	100		
63	21.0	0.0	41.8
88	16.6	0.0	32.6



#35
Dibromofluoromethane
Concen: 26.878 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

Tgt Ion:	113	Resp:	87563
Ion Ratio	Lower	Upper	
113	100		
111	105.1	83.1	124.7
192	16.0	13.4	20.2

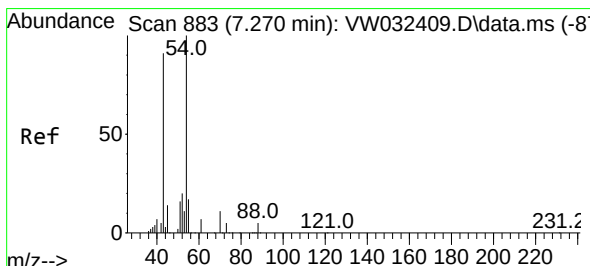
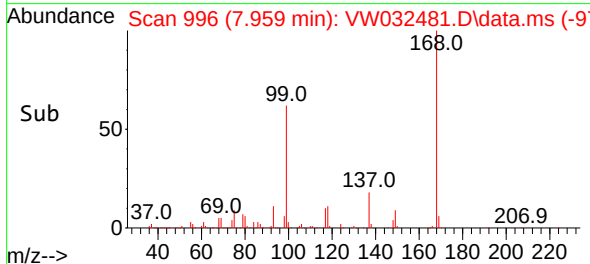
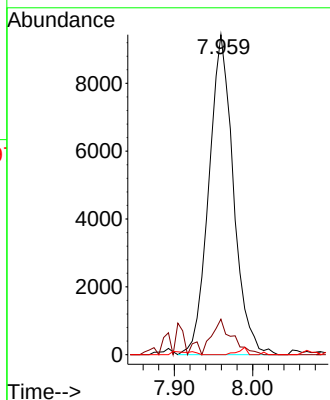
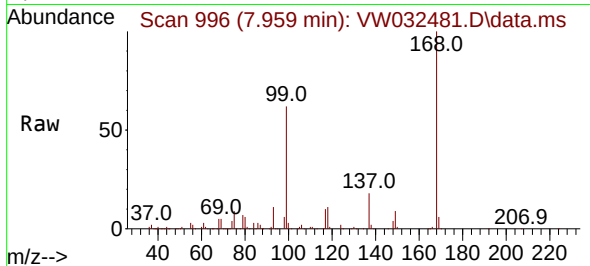




#36
 1,1-Dichloropropene
 Concen: 4.292 ug/l
 RT: 7.959 min Scan# 91
 Delta R.T. -0.140 min
 Lab File: VW032481.D
 Acq: 18 Nov 2025 15:08

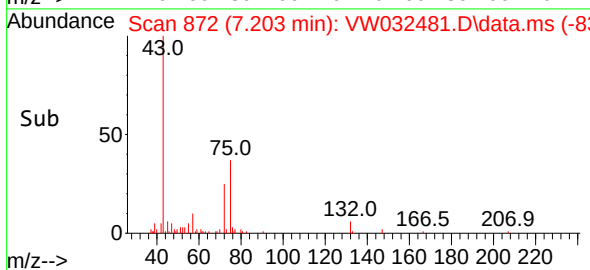
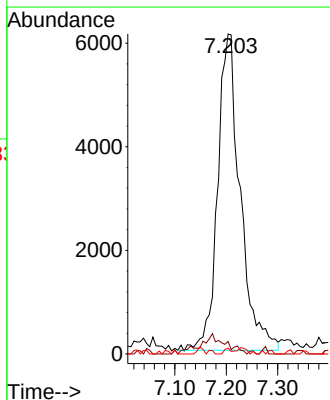
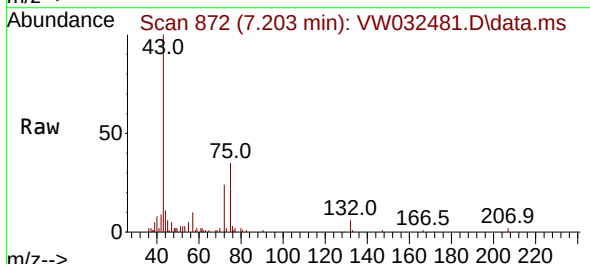
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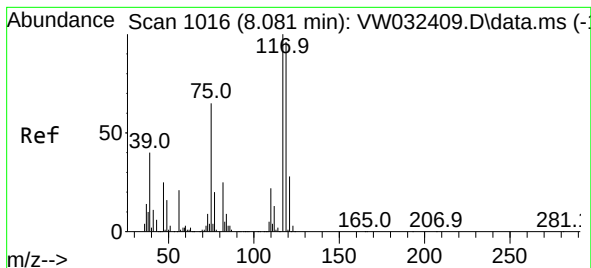
Tgt Ion: 75 Resp: 20602
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.2 51.5#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 5.232 ug/l
 RT: 7.203 min Scan# 872
 Delta R.T. -0.067 min
 Lab File: VW032481.D
 Acq: 18 Nov 2025 15:08

Tgt Ion: 43 Resp: 18676
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.0 16.6#
 70 0.6 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 5.966 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032481.D

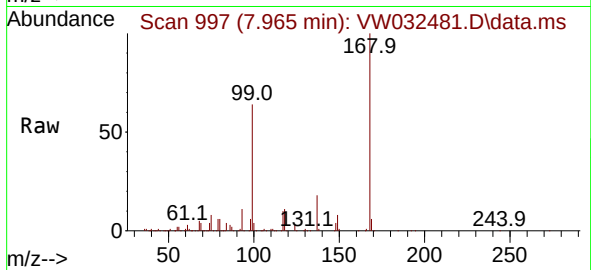
Acq: 18 Nov 2025 15:08

Instrument :

MSVOA_W

ClientSampleId :

B5-0.5-1.0-20251114



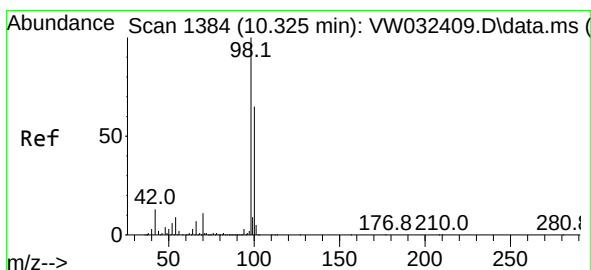
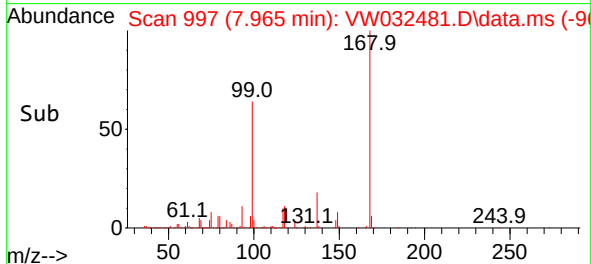
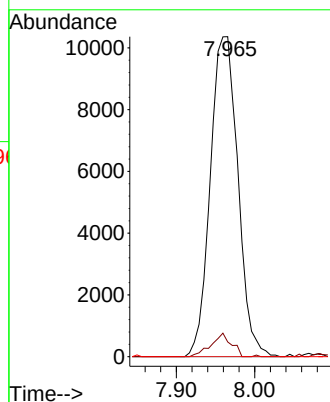
Tgt Ion:117 Resp: 25444

Ion Ratio Lower Upper

117 100

119 4.6 77.0 115.4#

121 0.0 22.0 33.0#



#50

Toluene-d8

Concen: 42.956 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032481.D

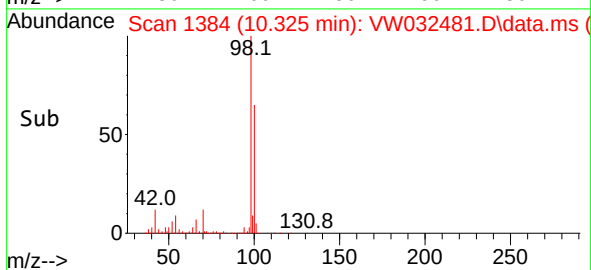
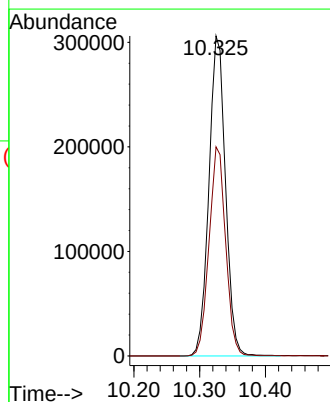
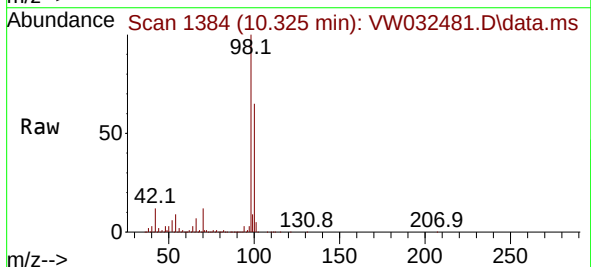
Acq: 18 Nov 2025 15:08

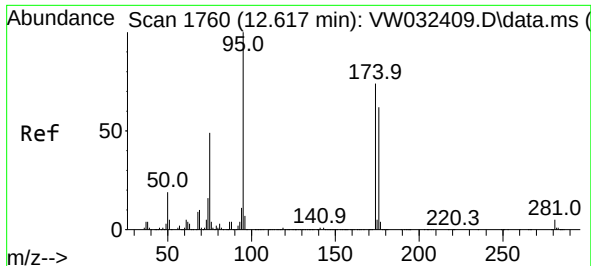
Tgt Ion: 98 Resp: 536861

Ion Ratio Lower Upper

98 100

100 65.5 53.3 79.9

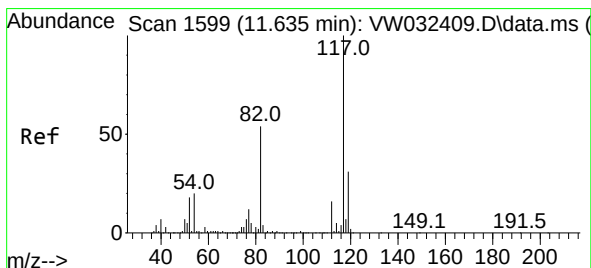
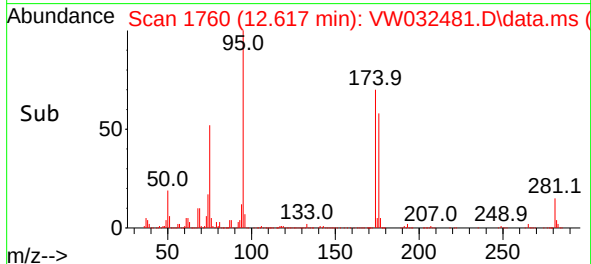
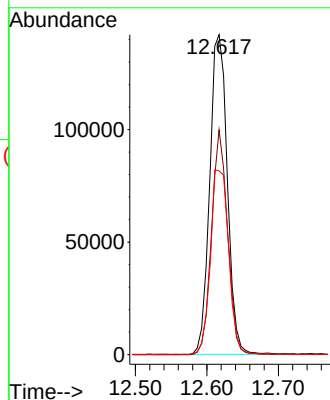
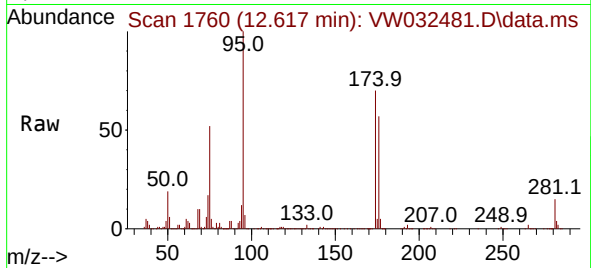




#62
4-Bromofluorobenzene
Concen: 51.410 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

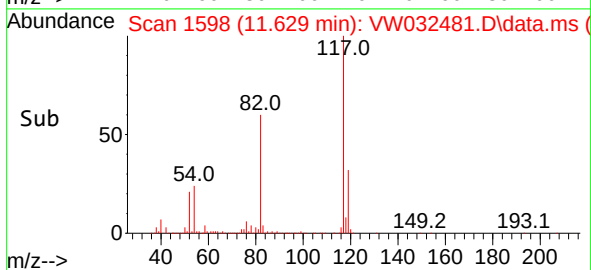
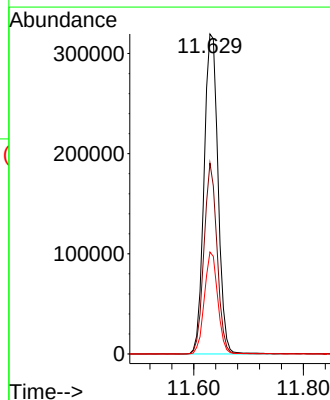
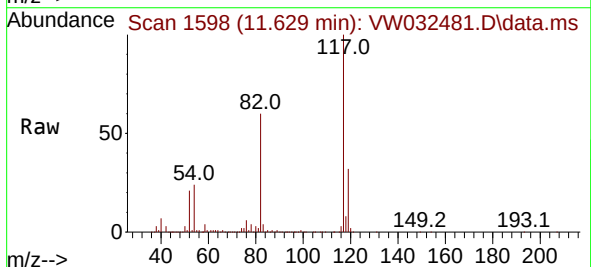
Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

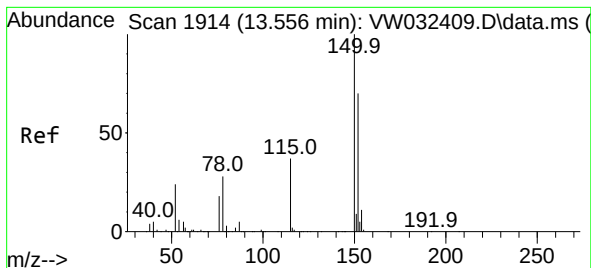
Tgt Ion: 95 Resp: 242719
Ion Ratio Lower Upper
95 100
174 64.2 0.0 135.4
176 60.1 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

Tgt Ion: 117 Resp: 564941
Ion Ratio Lower Upper
117 100
82 59.7 43.0 64.4
119 31.8 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: VW032481.D

Acq: 18 Nov 2025 15:08

Instrument :

MSVOA_W

ClientSampleId :

B5-0.5-1.0-20251114

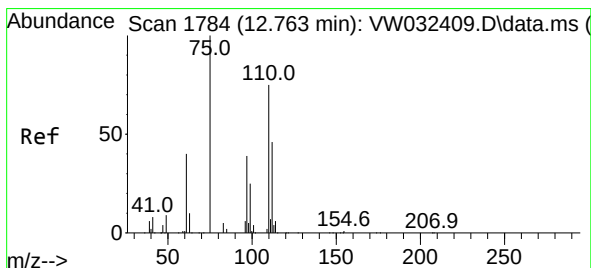
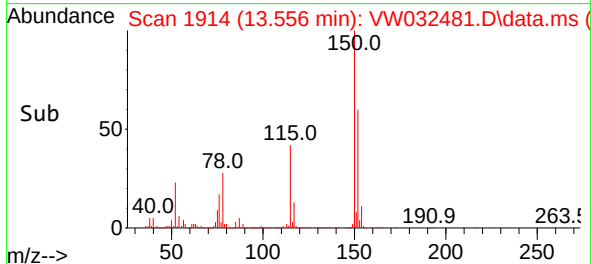
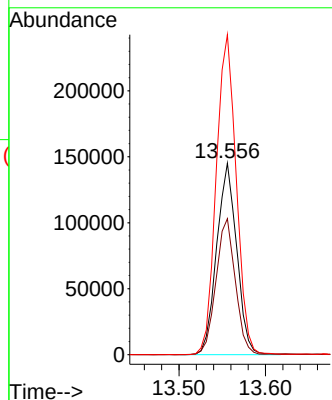
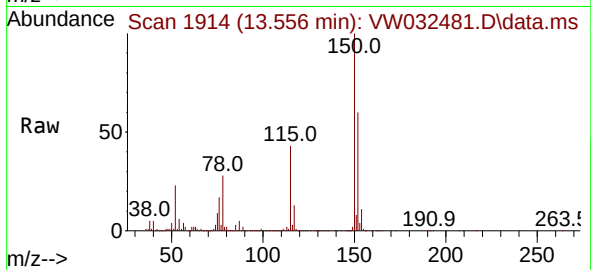
Tgt Ion:152 Resp: 233242

Ion Ratio Lower Upper

152 100

115 69.1 32.8 98.3

150 167.2 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 37.933 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032481.D

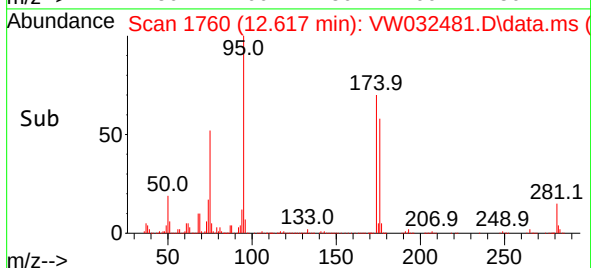
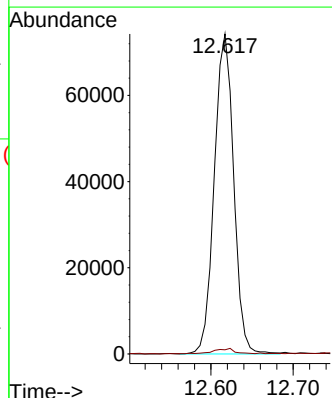
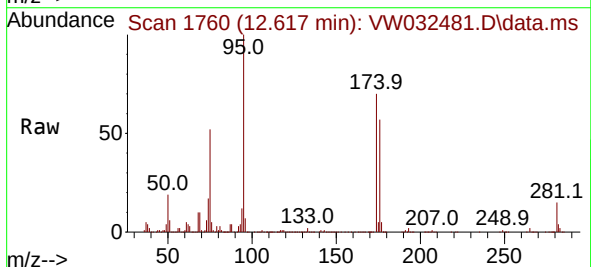
Acq: 18 Nov 2025 15:08

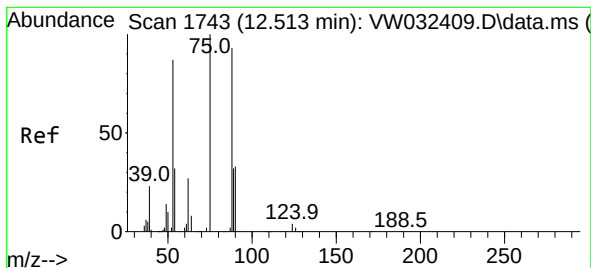
Tgt Ion: 75 Resp: 121316

Ion Ratio Lower Upper

75 100

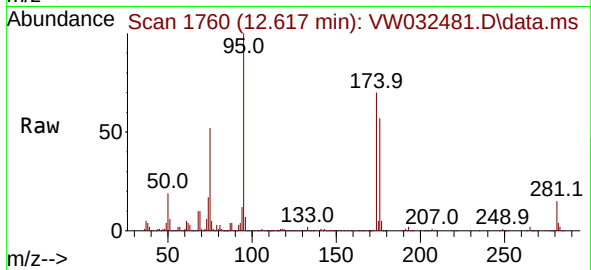
77 2.1 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.884 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032481.D
 Acq: 18 Nov 2025 15:08

Instrument :
 MSVOA_W
 ClientSampleId :
 B5-0.5-1.0-20251114



Tgt Ion: 75 Resp: 121316
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 1.0 35.6 53.4#

