

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032485.D
 Acq On : 18 Nov 2025 16:36
 Operator : SY/MD
 Sample : Q3662-01
 Misc : 6.04g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B3-0.5-1.0-20251117

Quant Time: Nov 19 00:29:55 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)

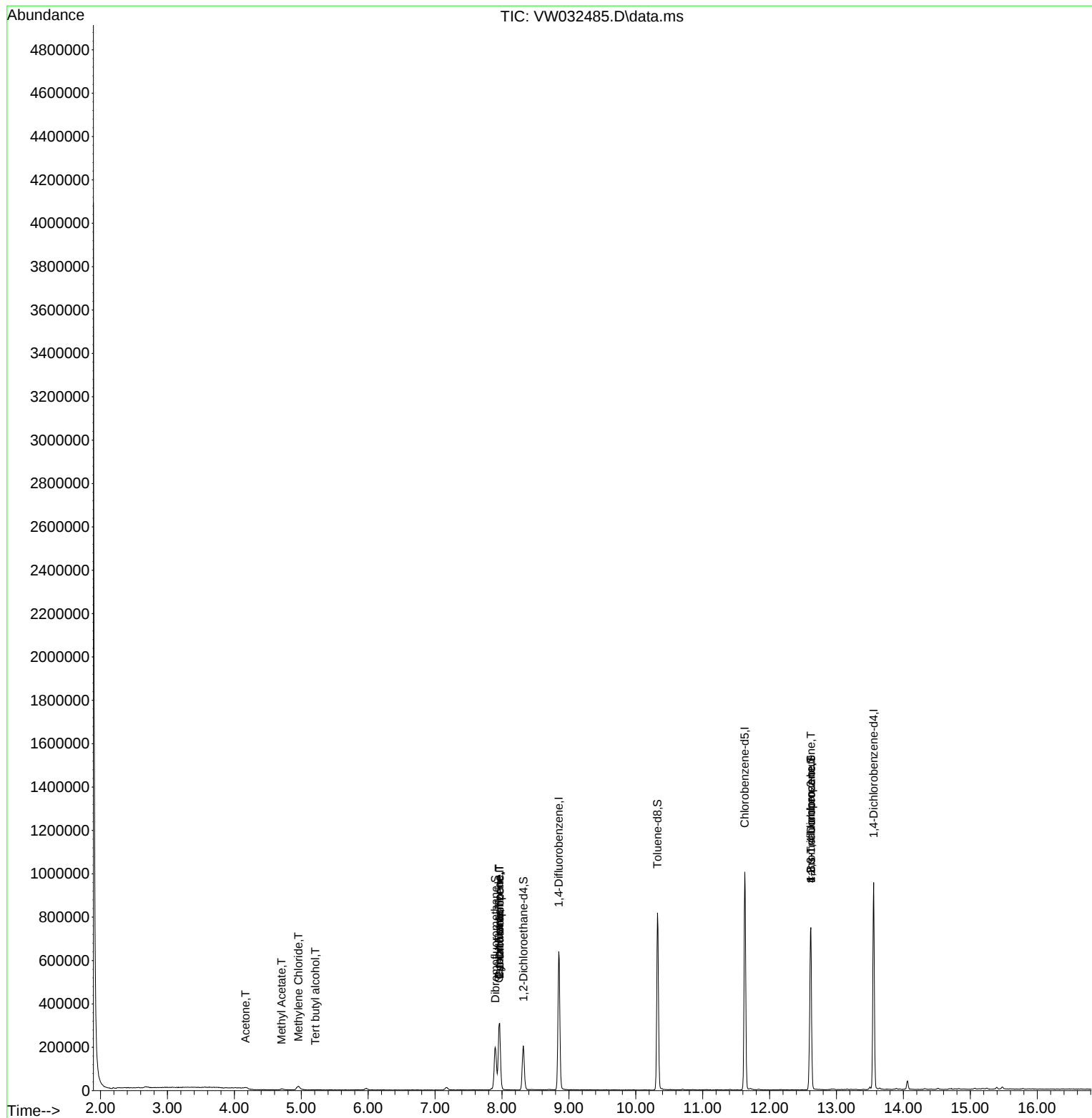
Internal Standards						
1) Pentafluorobenzene	7.965	168	225287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	534048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	544672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	237264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160596	55.292	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 110.580%		
35) Dibromofluoromethane	7.898	113	152037	47.549	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 95.100%		
50) Toluene-d8	10.325	98	533491	43.491	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 86.980%		
62) 4-Bromofluorobenzene	12.617	95	241626	52.144	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 104.280%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	300	1.194	ug/l #	12
16) Acetone	4.167	43	2937	3.380	ug/l #	70
18) Methyl Acetate	4.704	43	9976	4.636	ug/l	99
20) Methylene Chloride	4.960	84	14471	4.657	ug/l #	89
31) Cyclohexane	7.959	56	5894	1.227	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	19990	4.243	ug/l #	49
38) Carbon Tetrachloride	7.953	117	24345	5.816	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	120974	37.185	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	120974	85.171	ug/l #	11

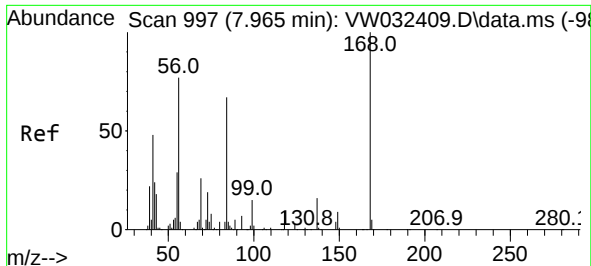
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B3-0.5-1.0-20251117

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Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

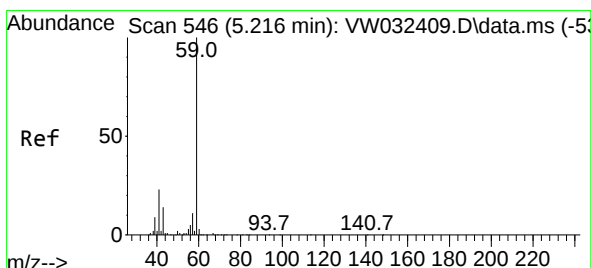
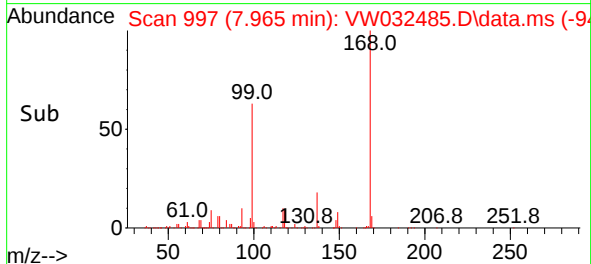
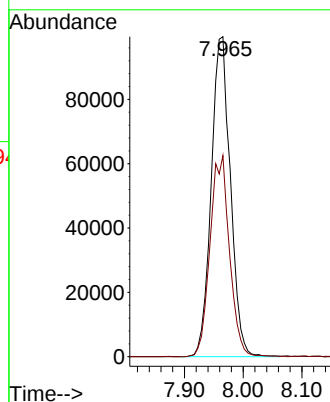
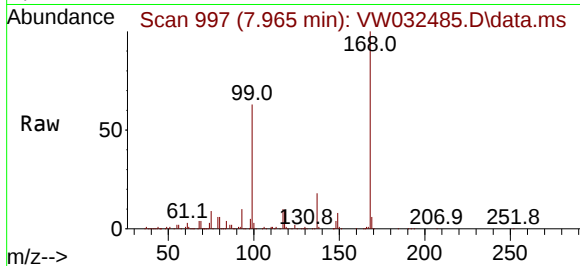




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

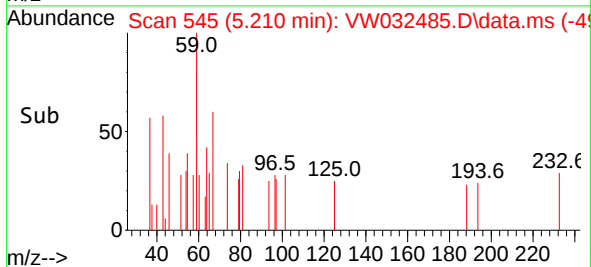
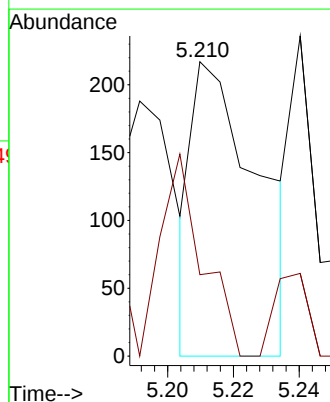
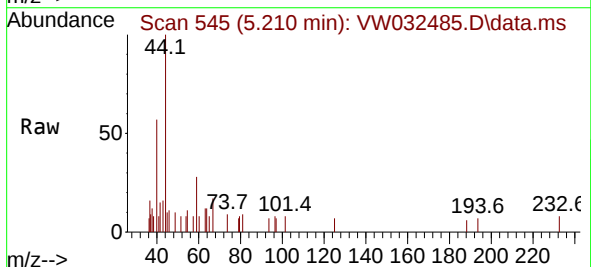
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MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

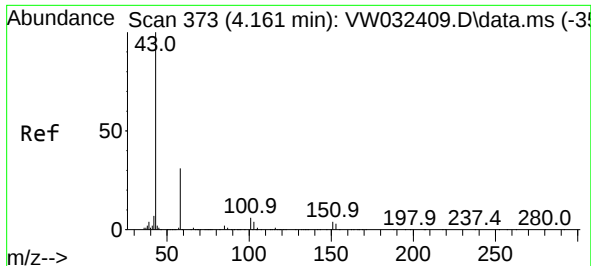
Tgt Ion:168 Resp: 225287
Ion Ratio Lower Upper
168 100
99 62.9 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.194 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 43.7 8.6 12.8#

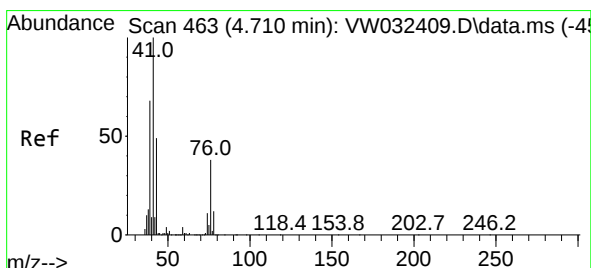
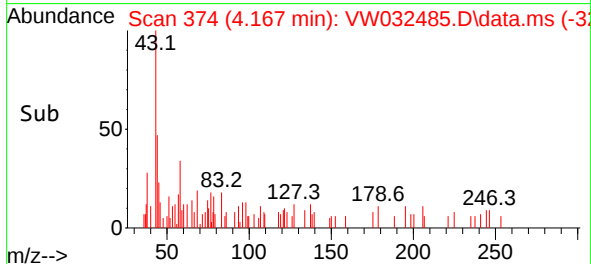
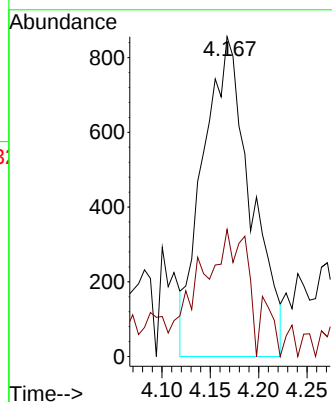
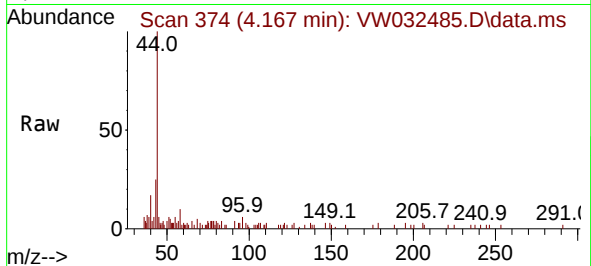




#16
Acetone
Concen: 3.380 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

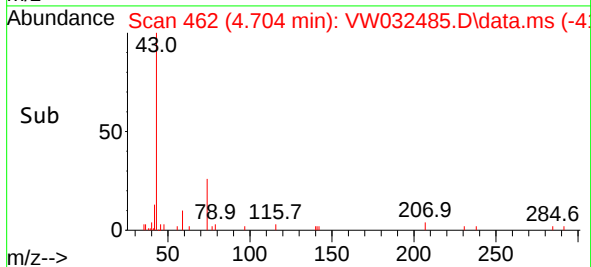
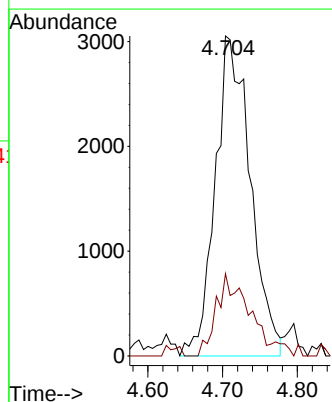
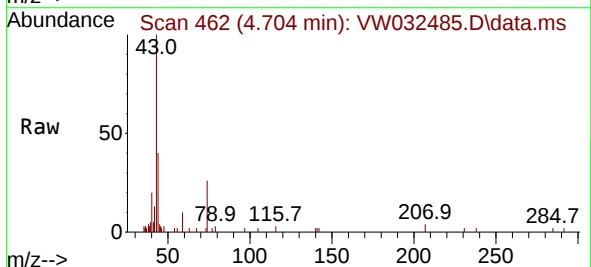
Instrument :
MSVOA_W
ClientSampleId :
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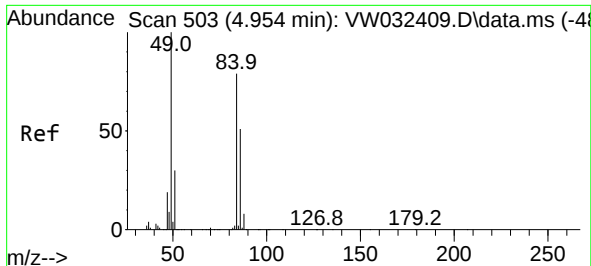
Tgt Ion: 43 Resp: 2937
Ion Ratio Lower Upper
43 100
58 47.5 24.8 37.2#



#18
Methyl Acetate
Concen: 4.636 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 43 Resp: 9976
Ion Ratio Lower Upper
43 100
74 23.1 18.9 28.3

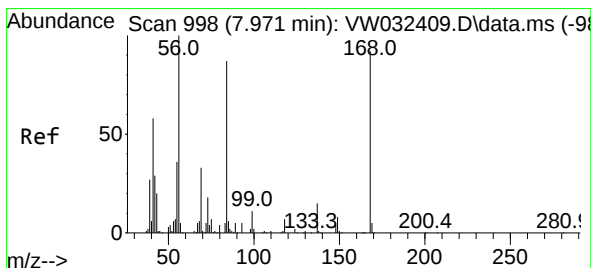
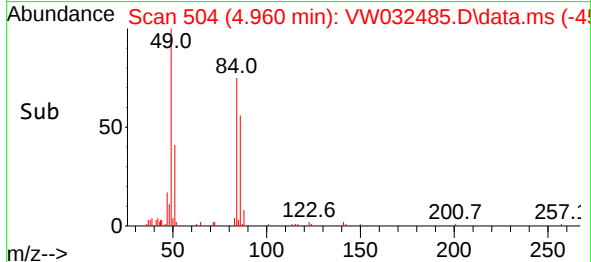
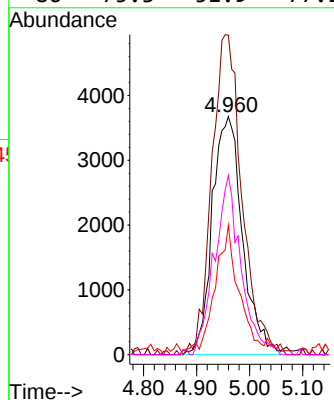
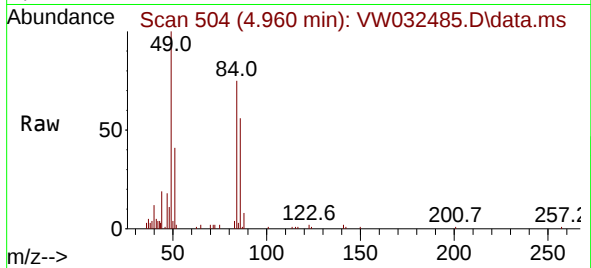




#20
Methylene Chloride
Concen: 4.657 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

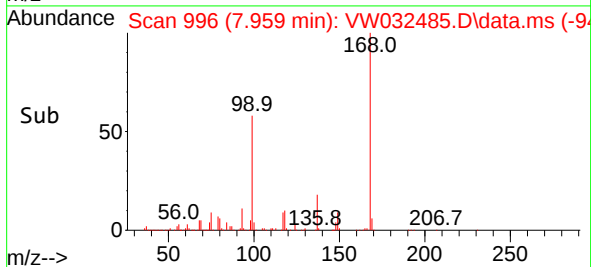
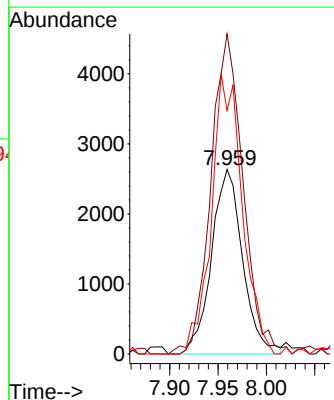
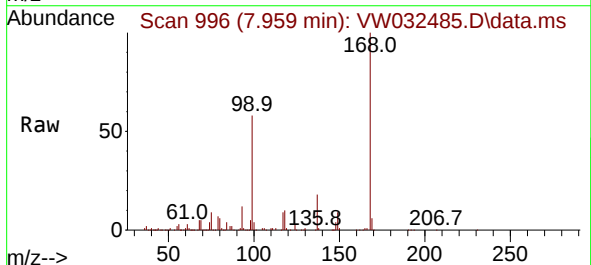
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

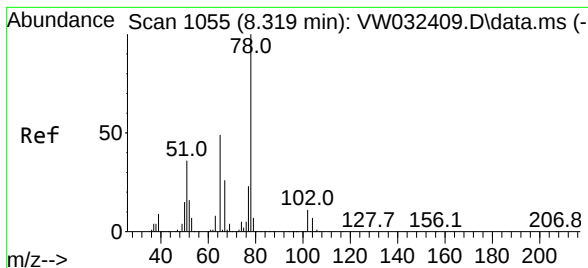
Tgt Ion:	84	Resp:	14471
Ion	Ratio	Lower	Upper
84	100		
49	134.2	101.5	152.3
51	51.9	30.6	46.0#
86	75.3	51.9	77.9



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion:	56	Resp:	5894
Ion	Ratio	Lower	Upper
56	100		
69	170.2	26.5	39.7#
84	132.0	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 55.292 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032485.D

Acq: 18 Nov 2025 16:36

Instrument :

MSVOA_W

ClientSampleId :

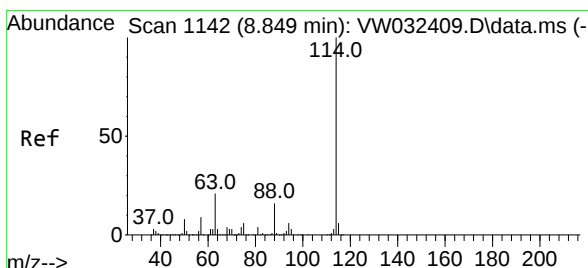
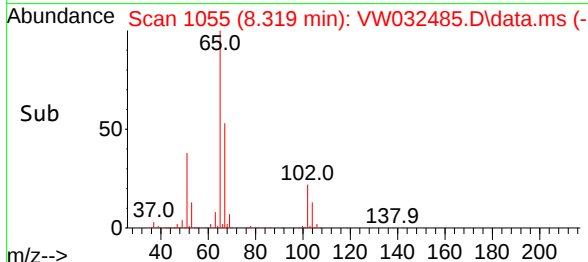
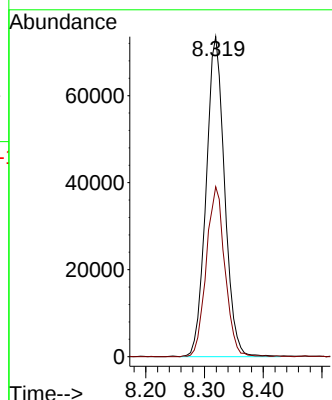
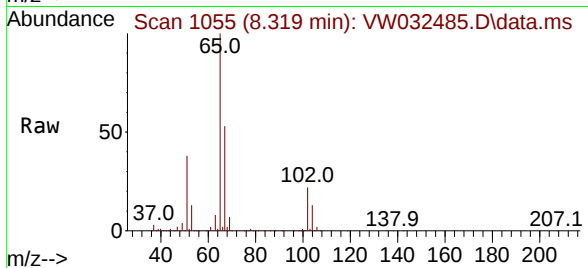
B3-0.5-1.0-20251117

Tgt Ion: 65 Resp: 160596

Ion Ratio Lower Upper

65 100

67 53.5 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: VW032485.D

Acq: 18 Nov 2025 16:36

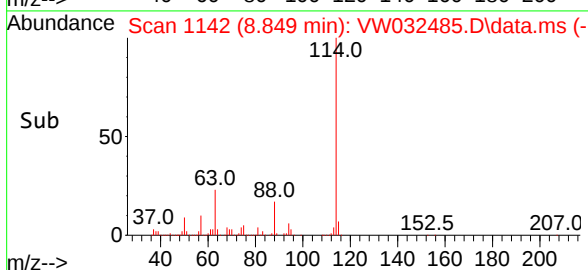
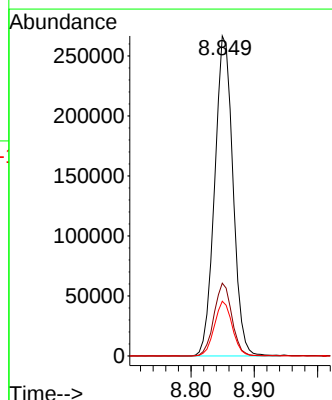
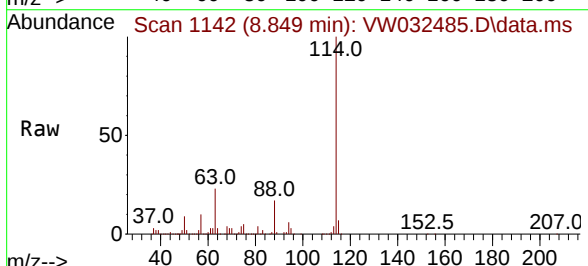
Tgt Ion: 114 Resp: 534048

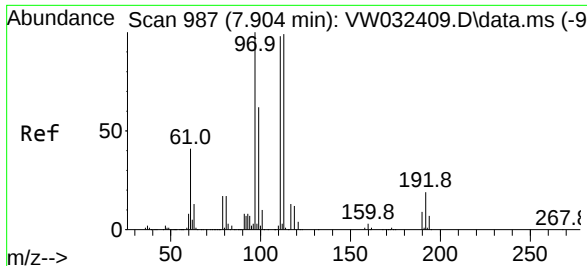
Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

88 17.1 0.0 32.6

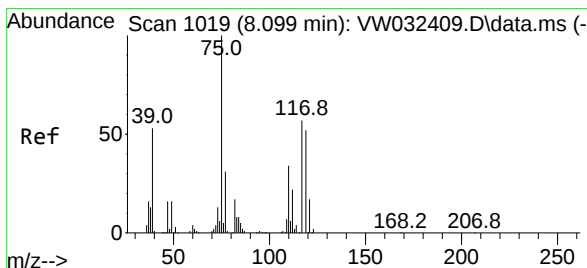
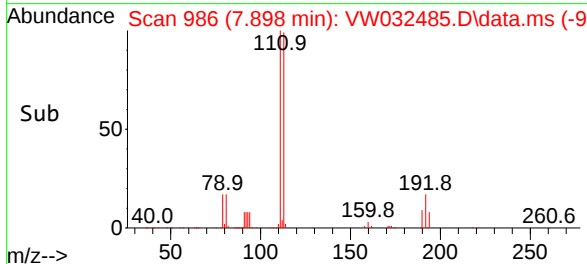
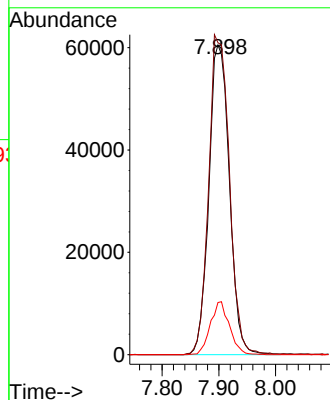
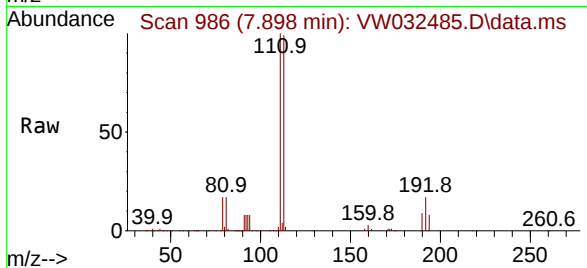




#35
Dibromofluoromethane
Concen: 47.549 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

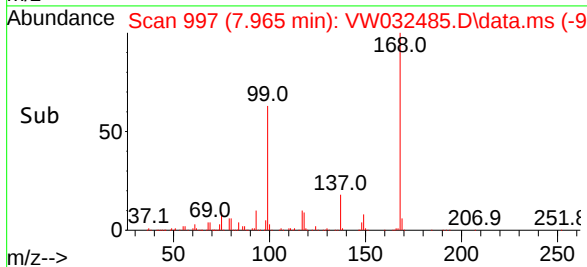
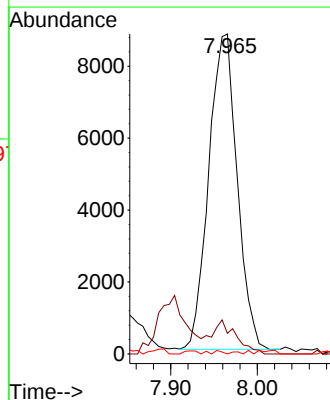
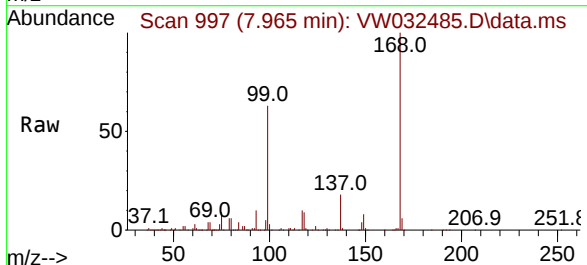
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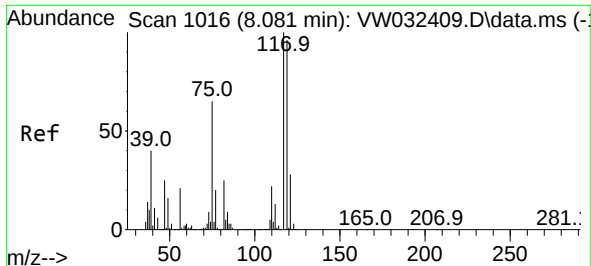
Tgt Ion:113 Resp: 152037
Ion Ratio Lower Upper
113 100
111 104.4 83.1 124.7
192 15.9 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.243 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 75 Resp: 19990
Ion Ratio Lower Upper
75 100
110 7.5 17.2 51.5#
77 0.4 24.5 36.7#

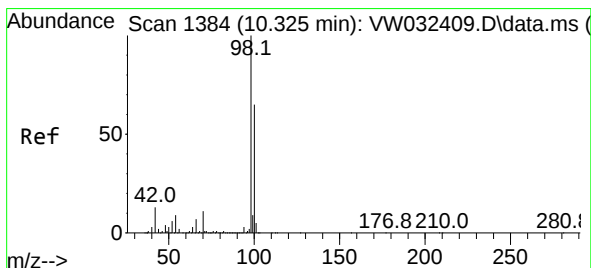
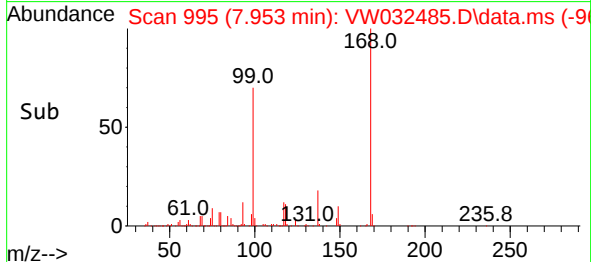
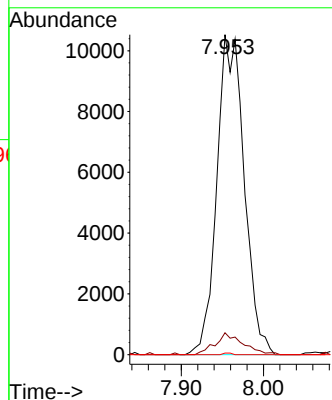
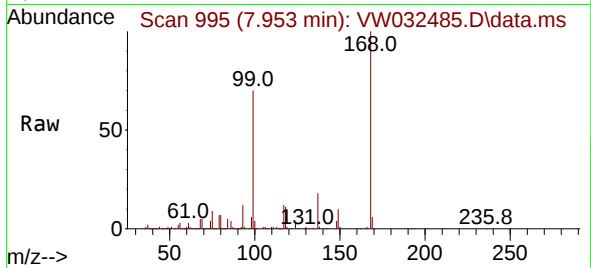




#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.128 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

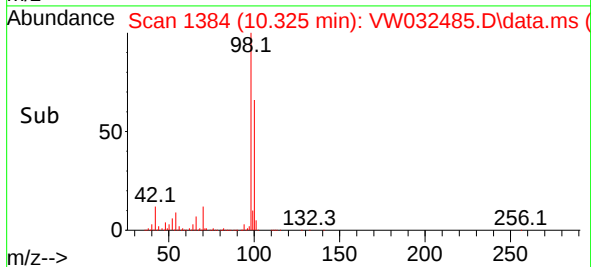
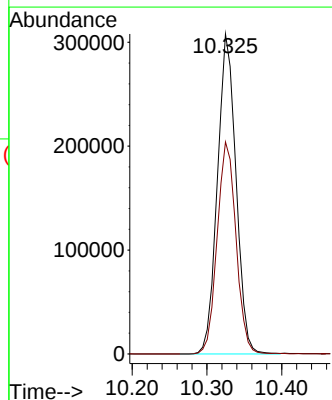
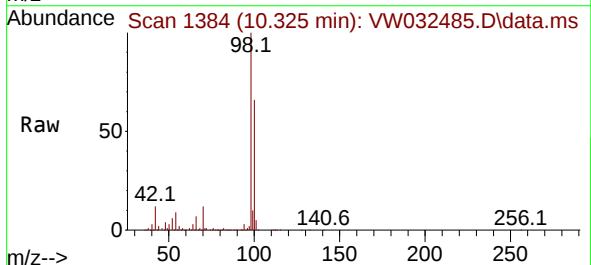
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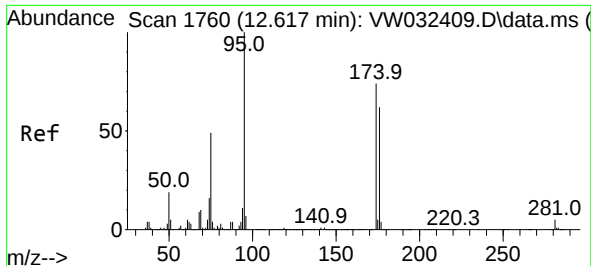
Tgt Ion:117 Resp: 24345
Ion Ratio Lower Upper
117 100
119 6.8 77.0 115.4#
121 0.5 22.0 33.0#



#50
Toluene-d8
Concen: 43.491 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 98 Resp: 533491
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9

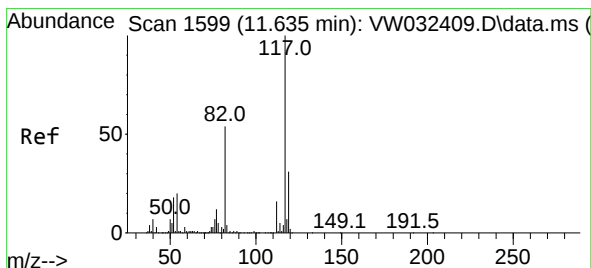
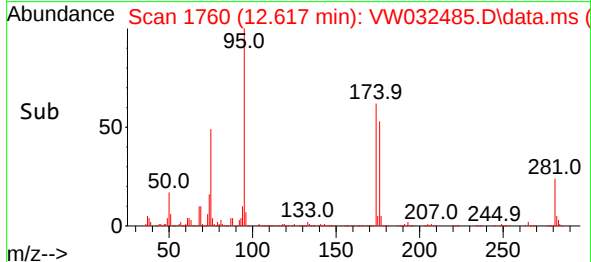
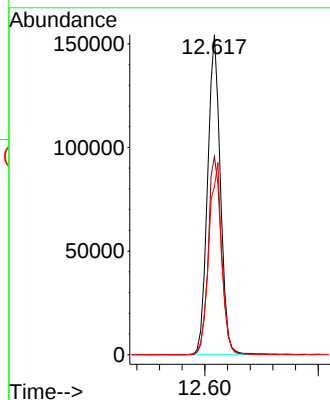
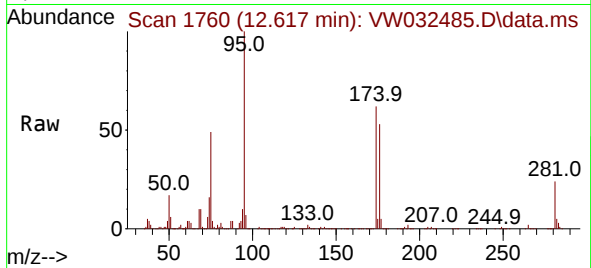




#62
4-Bromofluorobenzene
Concen: 52.144 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

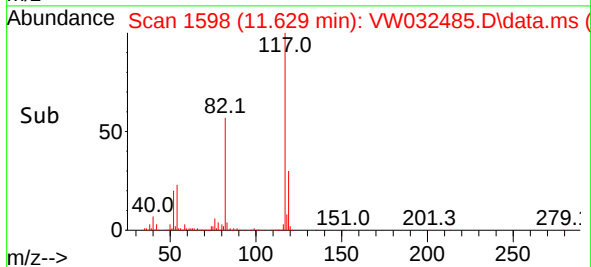
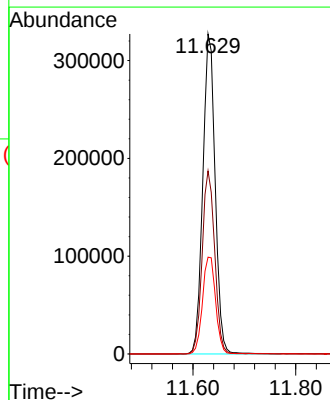
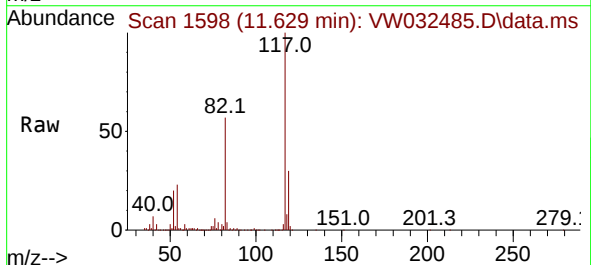
Instrument :
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B3-0.5-1.0-20251117

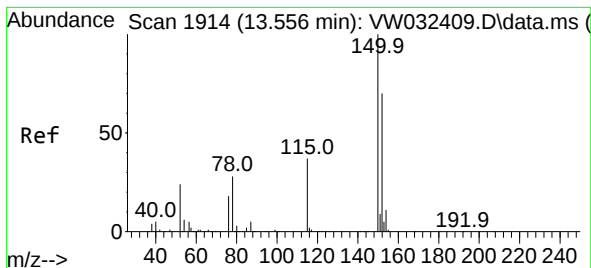
Tgt Ion: 95 Resp: 241626
Ion Ratio Lower Upper
95 100
174 63.6 0.0 135.4
176 60.6 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 117 Resp: 544672
Ion Ratio Lower Upper
117 100
82 57.2 43.0 64.4
119 30.2 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: VW032485.D

Acq: 18 Nov 2025 16:36

Instrument :

MSVOA_W

ClientSampleId :

B3-0.5-1.0-20251117

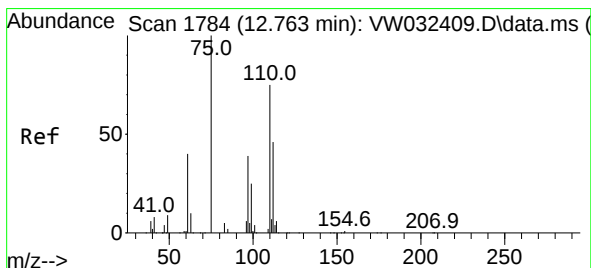
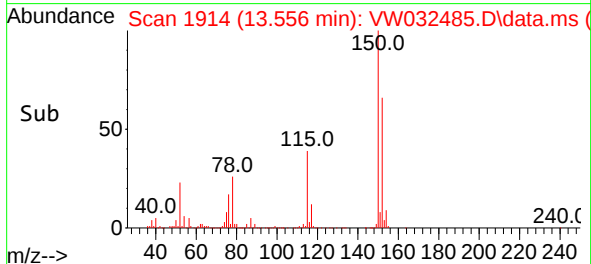
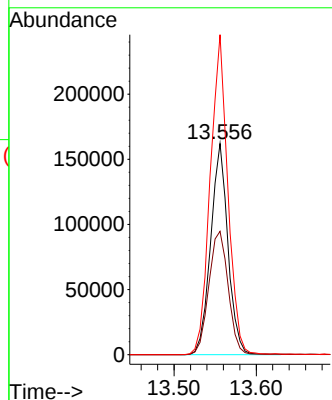
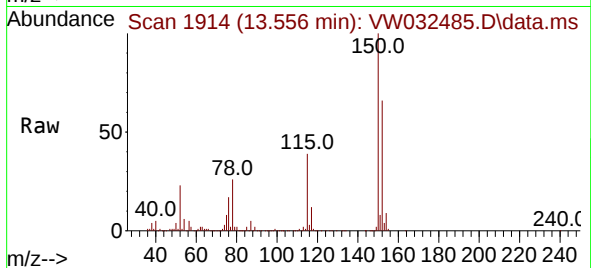
Tgt Ion:152 Resp: 237264

Ion Ratio Lower Upper

152 100

115 65.3 32.8 98.3

150 154.1 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 37.185 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032485.D

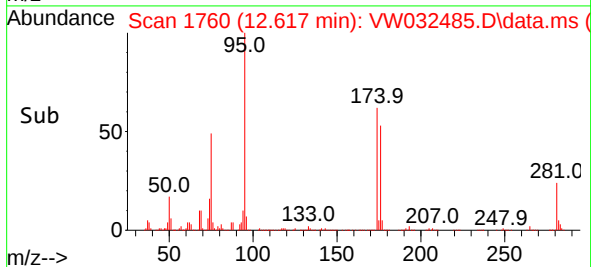
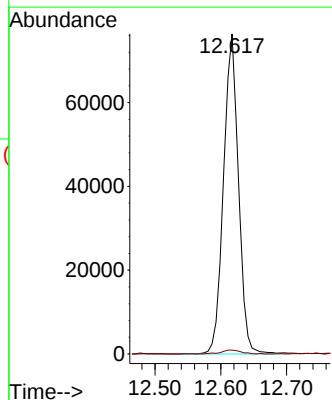
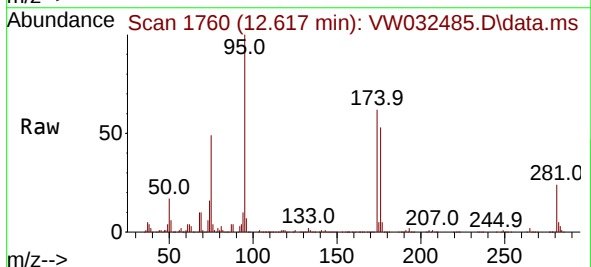
Acq: 18 Nov 2025 16:36

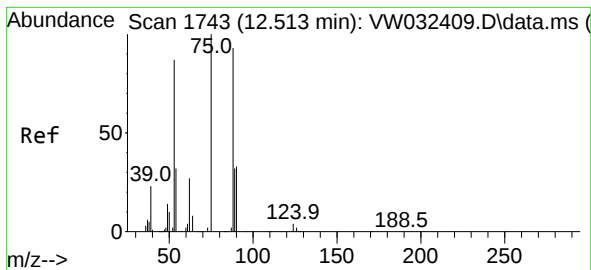
Tgt Ion: 75 Resp: 120974

Ion Ratio Lower Upper

75 100

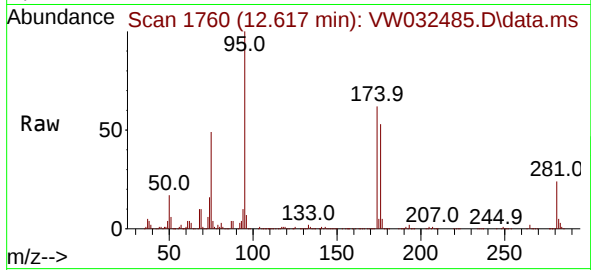
77 1.6 151.6 454.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.171 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117



Tgt Ion: 75 Resp: 120974
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 35.6 53.4#

