

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032483.D
 Acq On : 18 Nov 2025 15:52
 Operator : SY/MD
 Sample : Q3649-05
 Misc : 5.39g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B4-0.05-1.0-20251114

Quant Time: Nov 19 00:29:18 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)

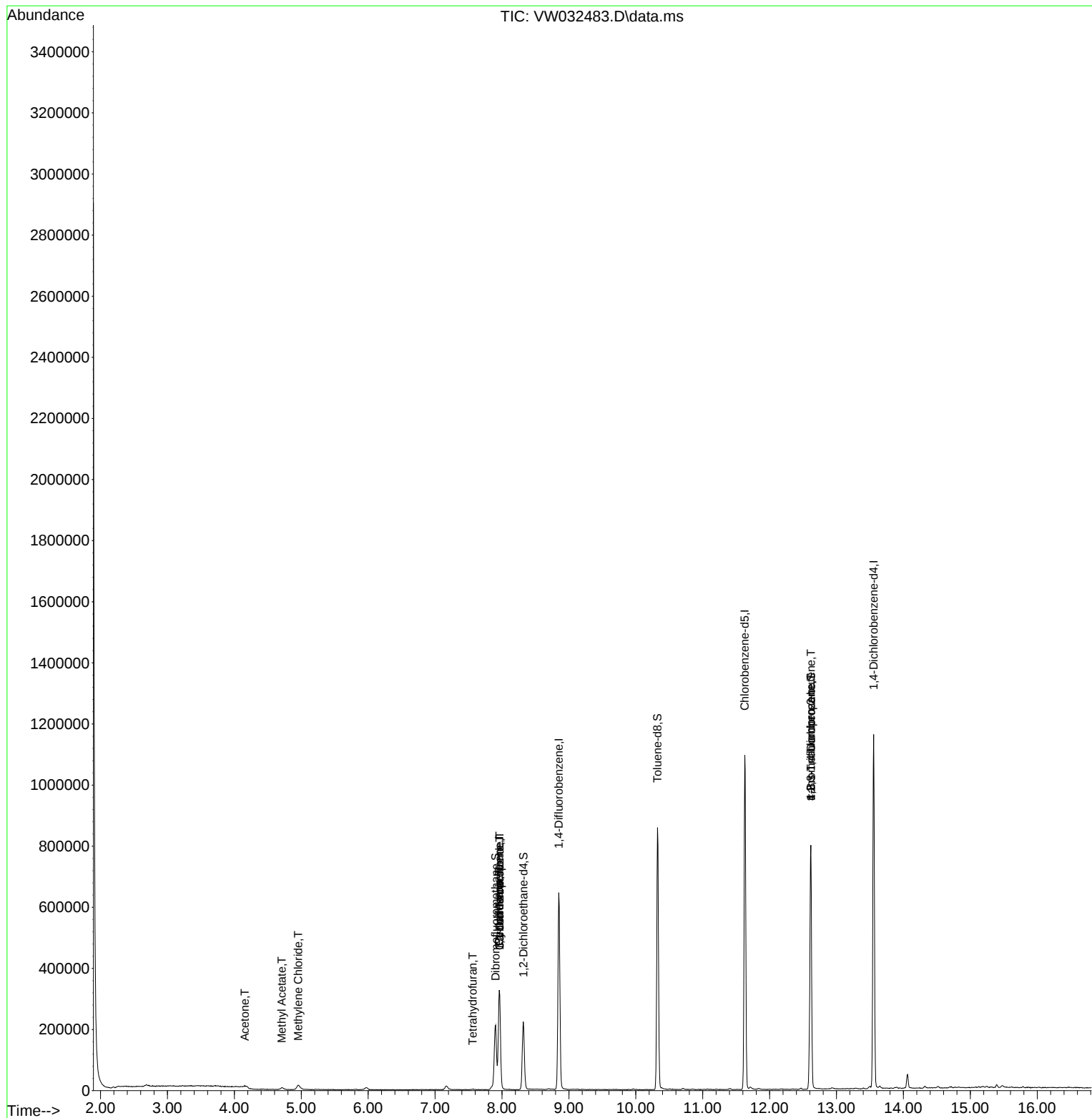
Internal Standards						
1) Pentafluorobenzene	7.959	168	232615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	543396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	601253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	284001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177301	59.121	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	118.240%	
35) Dibromofluoromethane	7.904	113	162454	49.933	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	99.860%	
50) Toluene-d8	10.325	98	571784	45.811	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	91.620%	
62) 4-Bromofluorobenzene	12.617	95	266833	56.593	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	113.180%	
Target Compounds						
16) Acetone	4.155	43	2837	3.162	ug/l	99
18) Methyl Acetate	4.710	43	12049	5.423	ug/l	95
20) Methylene Chloride	4.954	84	12474	3.888	ug/l	86
29) Tetrahydrofuran	7.563	42	905	1.079	ug/l #	85
31) Cyclohexane	7.959	56	6075	1.224	ug/l #	23
36) 1,1-Dichloropropene	7.965	75	21075	4.396	ug/l #	51
38) Carbon Tetrachloride	7.965	117	25330	5.947	ug/l #	15
76) 1,2,3-Trichloropropane	12.617	75	136572	35.071	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	136572	80.329	ug/l #	11

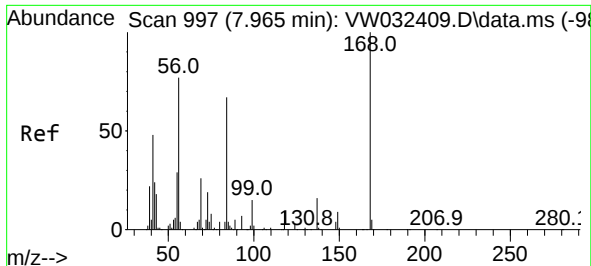
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
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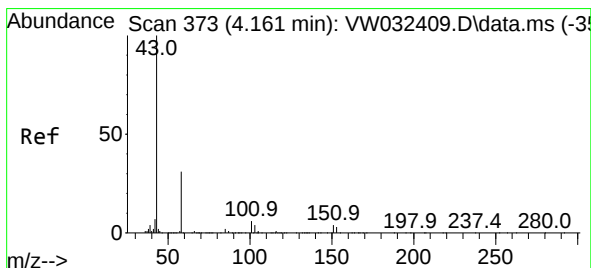
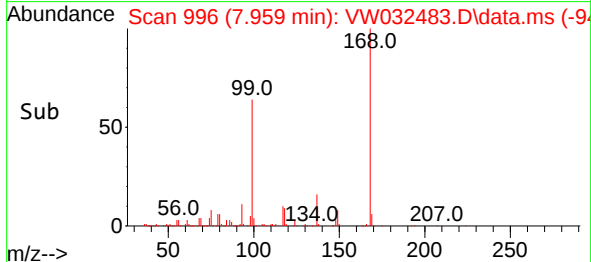
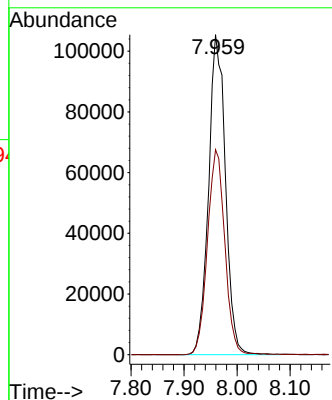
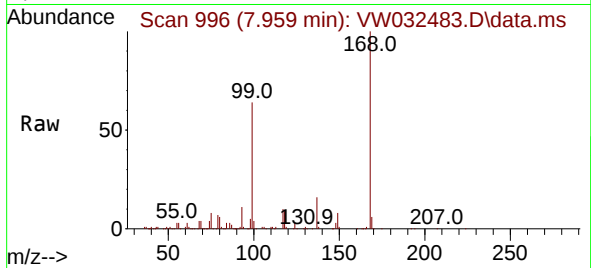




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

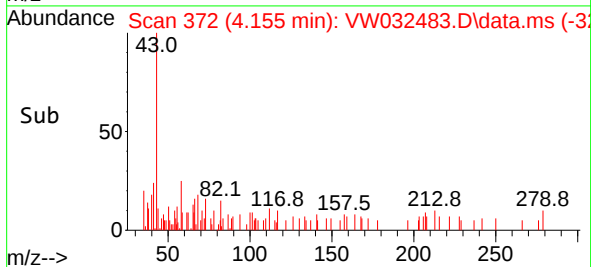
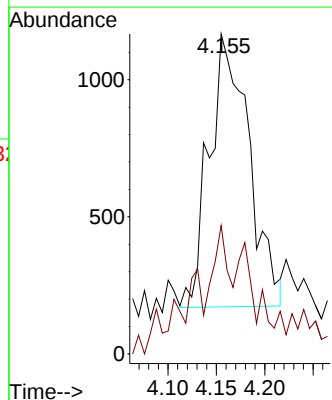
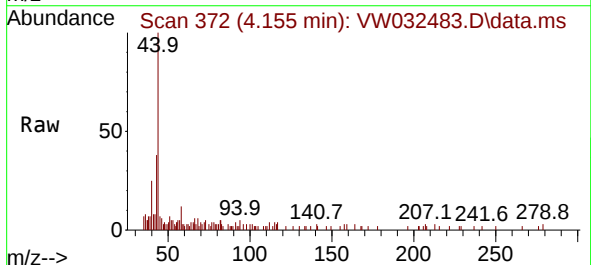
Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

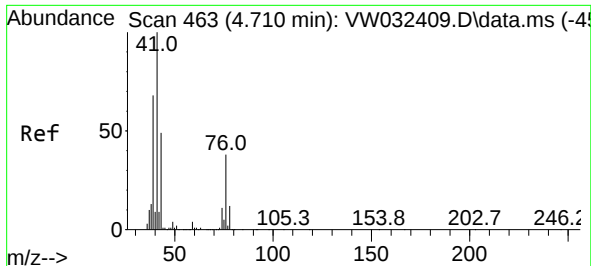
Tgt Ion:168 Resp: 232615
Ion Ratio Lower Upper
168 100
99 64.1 45.4 68.2



#16
Acetone
Concen: 3.162 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion: 43 Resp: 2837
Ion Ratio Lower Upper
43 100
58 31.6 24.8 37.2

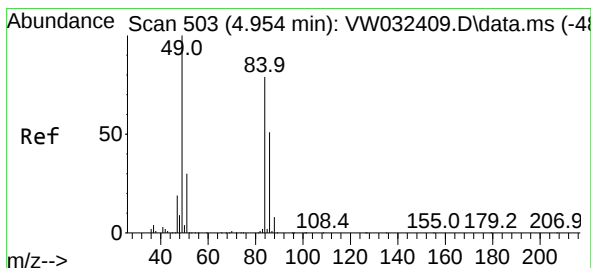
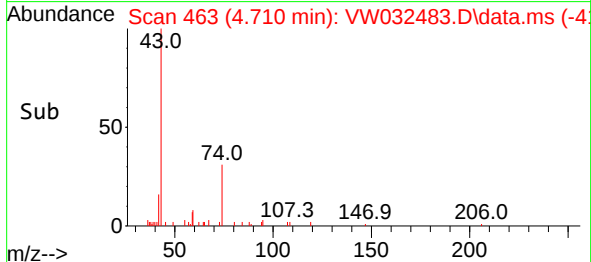
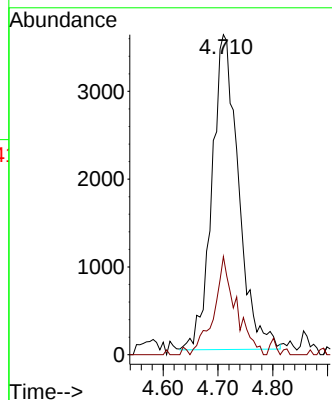
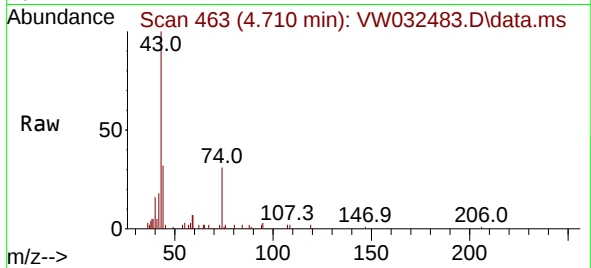




#18
Methyl Acetate
Concen: 5.423 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

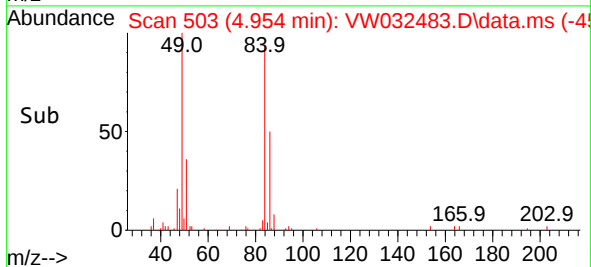
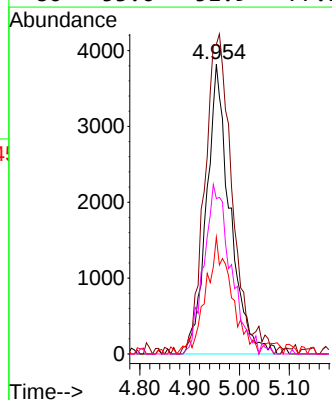
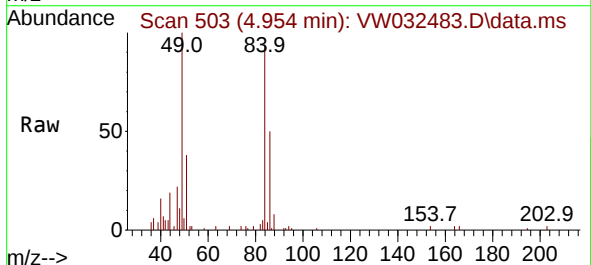
Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

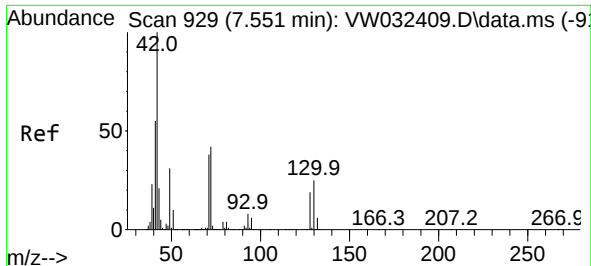
Tgt Ion: 43 Resp: 12049
Ion Ratio Lower Upper
43 100
74 26.0 18.9 28.3



#20
Methylene Chloride
Concen: 3.888 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion: 84 Resp: 12474
Ion Ratio Lower Upper
84 100
49 106.8 101.5 152.3
51 38.9 30.6 46.0
86 53.6 51.9 77.9





#29

Tetrahydrofuran

Concen: 1.079 ug/l

RT: 7.563 min Scan# 91

Delta R.T. 0.012 min

Lab File: VW032483.D

Acq: 18 Nov 2025 15:52

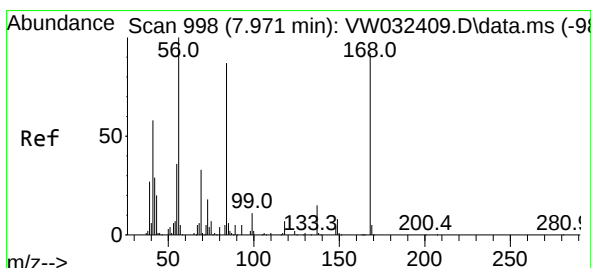
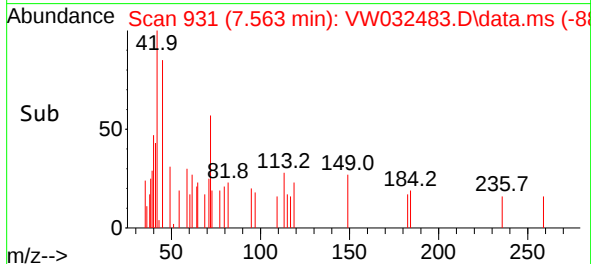
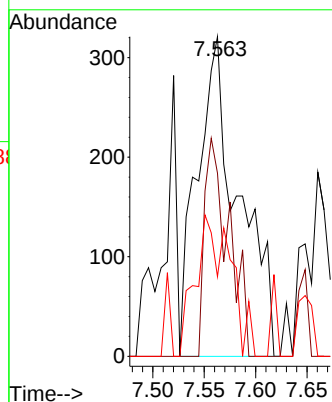
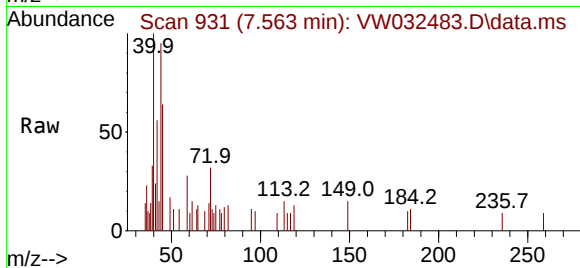
Instrument :

MSVOA_W

ClientSampleId :

B4-0.05-1.0-20251114

Tgt Ion: 42	Resp: 905
Ion Ratio	Lower Upper
42	100
72	39.6 33.6 50.4
71	22.3 31.4 47.0



#31

Cyclohexane

Concen: 1.224 ug/l

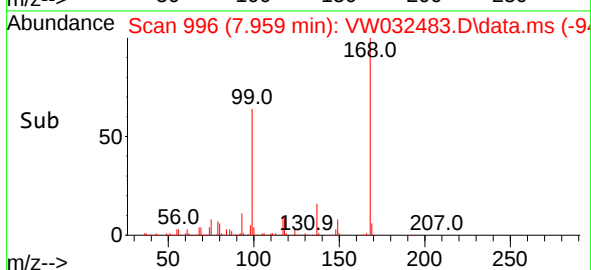
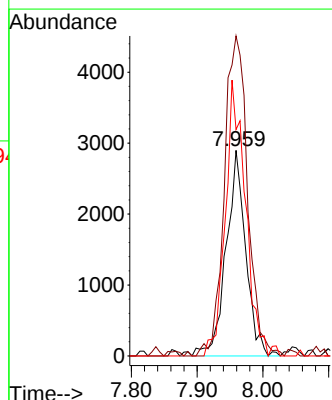
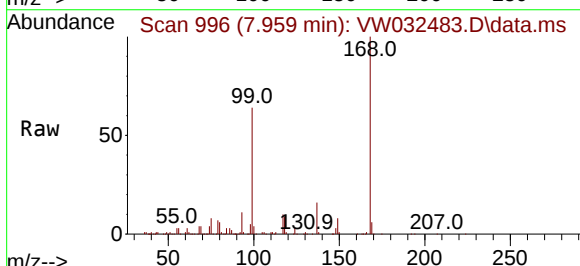
RT: 7.959 min Scan# 996

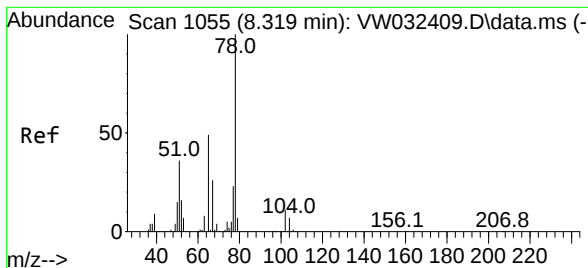
Delta R.T. -0.012 min

Lab File: VW032483.D

Acq: 18 Nov 2025 15:52

Tgt Ion: 56	Resp: 6075
Ion Ratio	Lower Upper
56	100
69	153.9 26.5 39.7
84	110.1 69.6 104.4





#33

1,2-Dichloroethane-d4

Concen: 59.121 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032483.D

Acq: 18 Nov 2025 15:52

Instrument :

MSVOA_W

ClientSampleId :

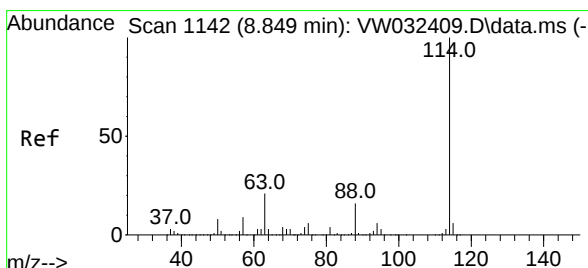
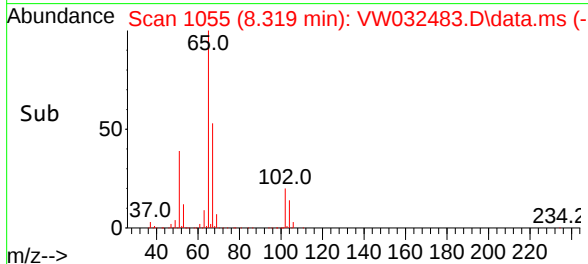
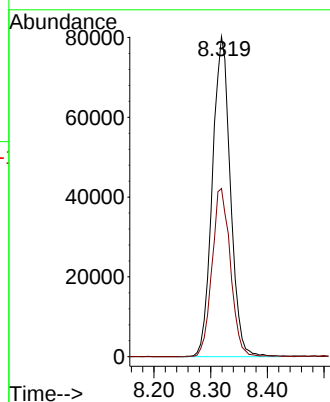
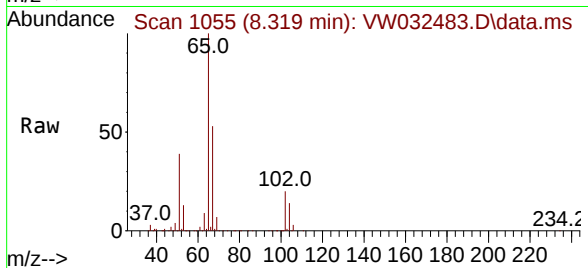
B4-0.05-1.0-20251114

Tgt Ion: 65 Resp: 177301

Ion Ratio Lower Upper

65 100

67 53.6 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: VW032483.D

Acq: 18 Nov 2025 15:52

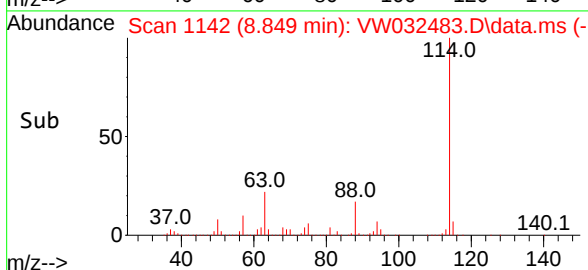
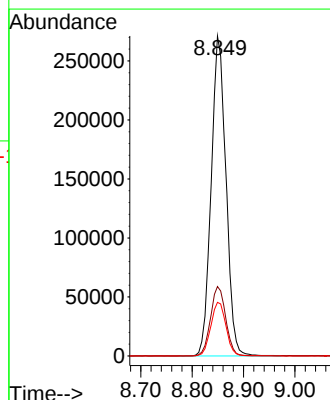
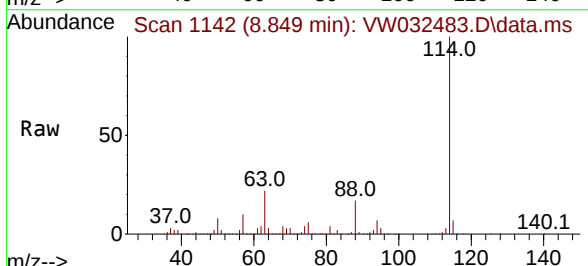
Tgt Ion: 114 Resp: 543396

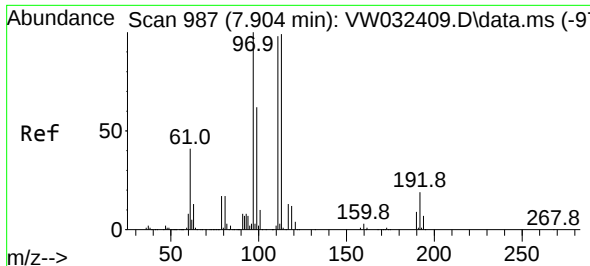
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 16.8 0.0 32.6

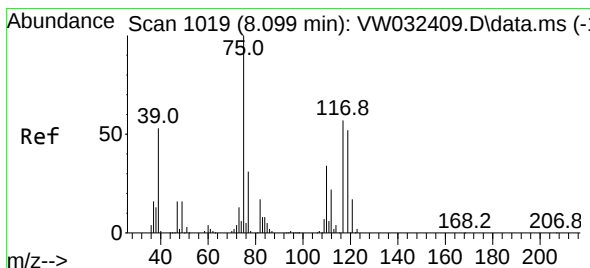
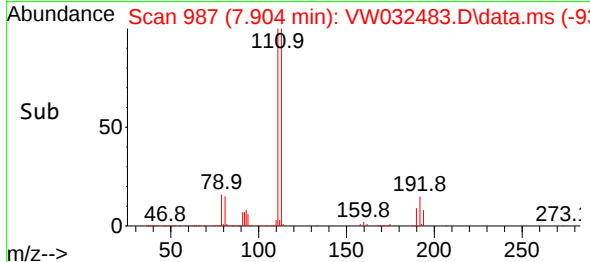
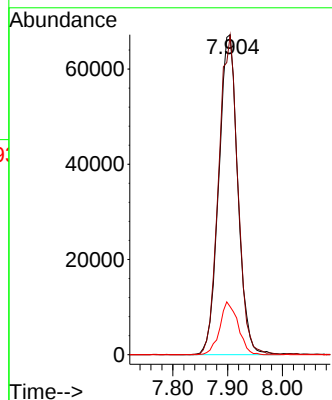
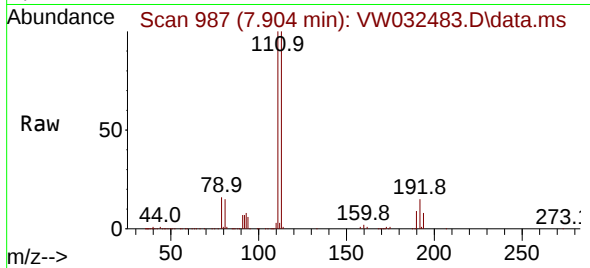




#35
 Dibromofluoromethane
 Concen: 49.933 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW032483.D
 Acq: 18 Nov 2025 15:52

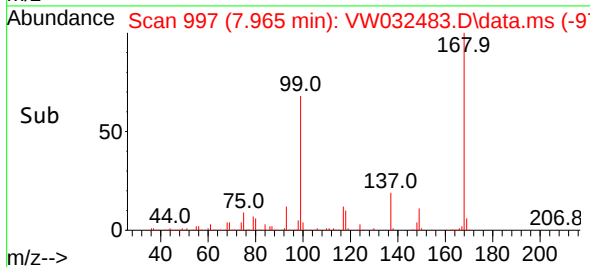
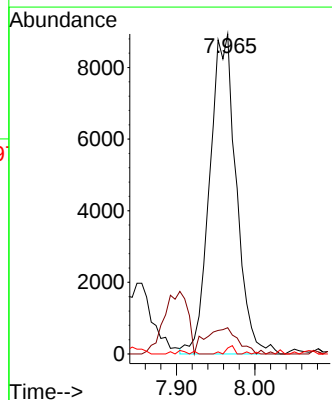
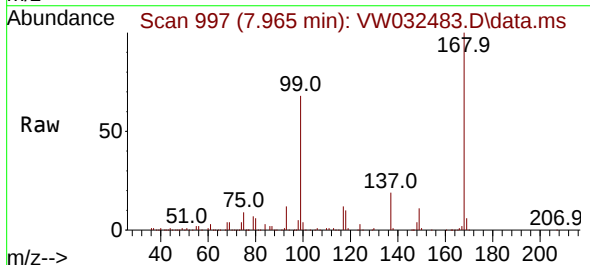
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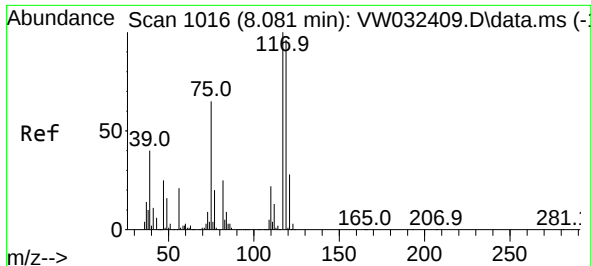
Tgt Ion:113 Resp: 162454
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.1 124.7
 192 15.8 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 4.396 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032483.D
 Acq: 18 Nov 2025 15:52

Tgt Ion: 75 Resp: 21075
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.2 51.5#
 77 0.8 24.5 36.7#

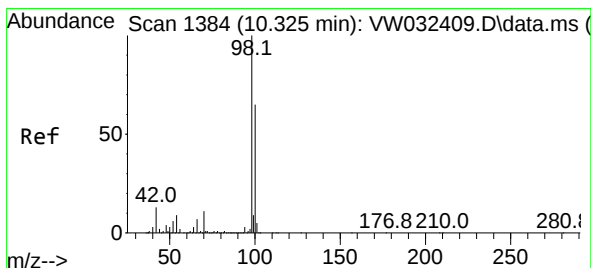
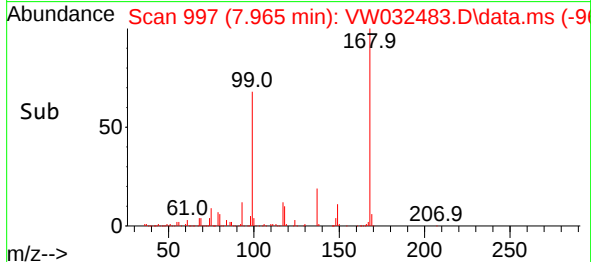
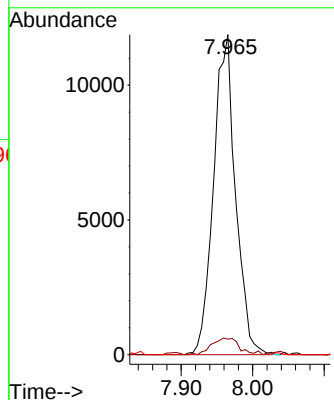
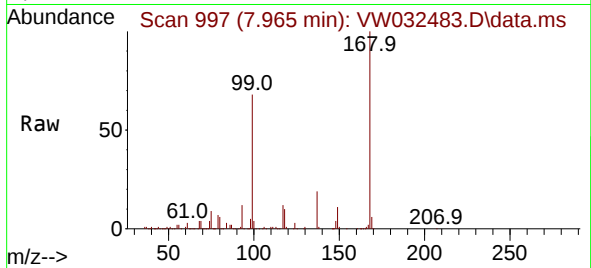




#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

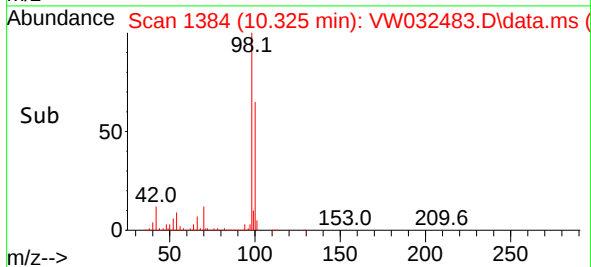
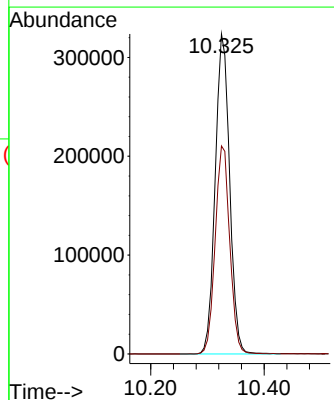
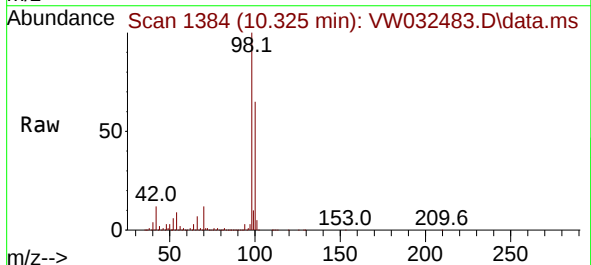
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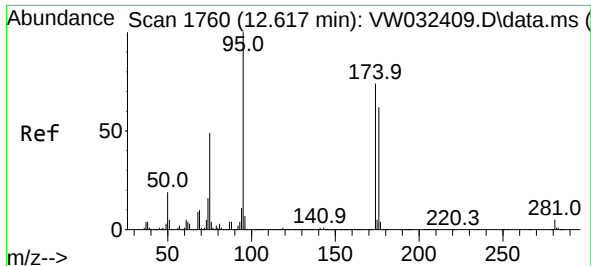
Tgt Ion:117 Resp: 25330
Ion Ratio Lower Upper
117 100
119 4.4 77.0 115.4#
121 0.0 22.0 33.0#



#50
Toluene-d8
Concen: 45.811 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion: 98 Resp: 571784
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9

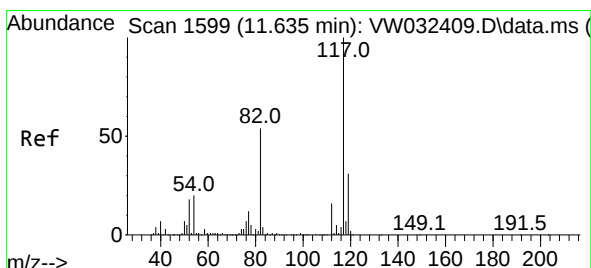
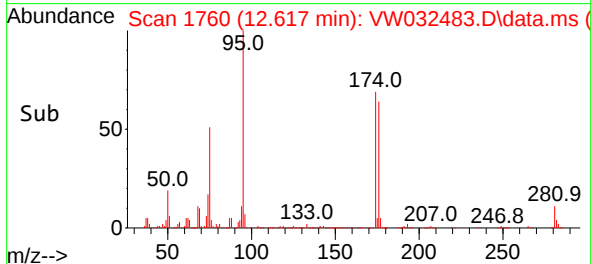
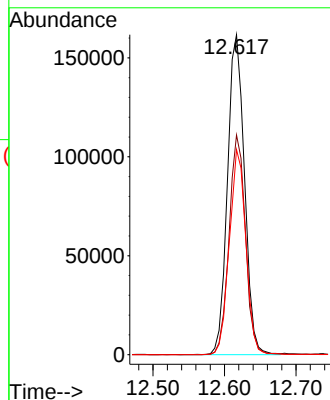
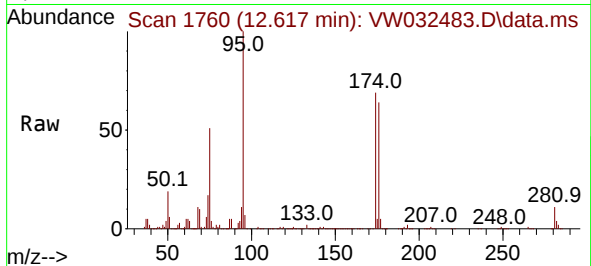




#62
4-Bromofluorobenzene
Concen: 56.593 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

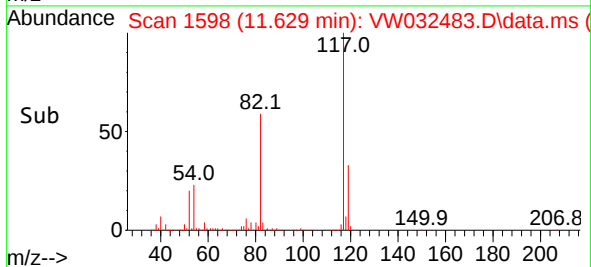
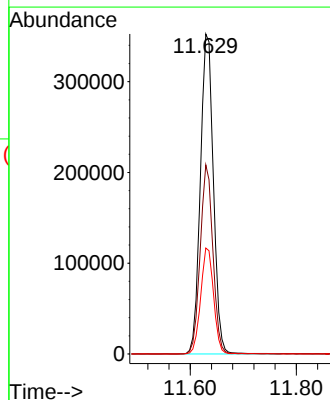
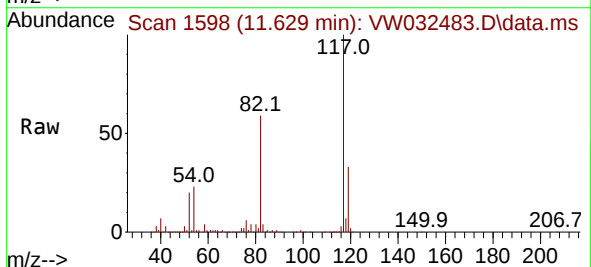
Instrument :
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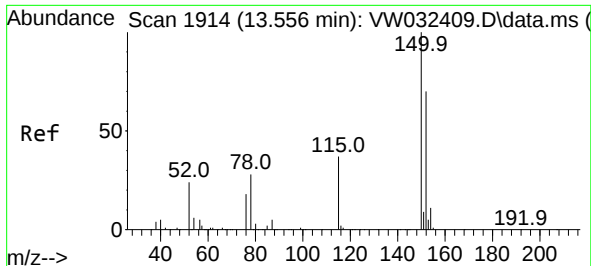
Tgt Ion: 95 Resp: 266833
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.4
176 62.4 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion:117 Resp: 601253
Ion Ratio Lower Upper
117 100
82 59.1 43.0 64.4
119 33.1 25.0 37.6

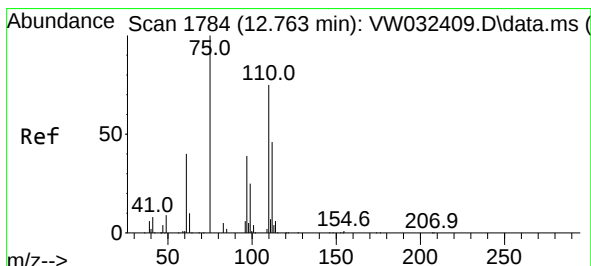
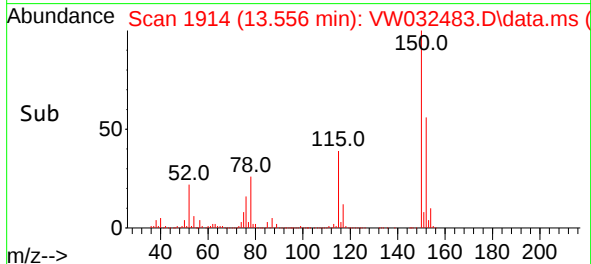
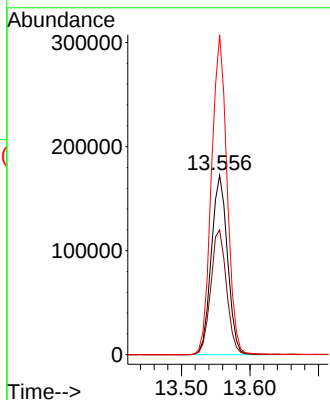
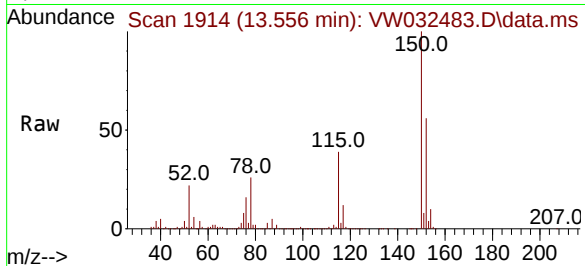




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032483.D
 Acq: 18 Nov 2025 15:52

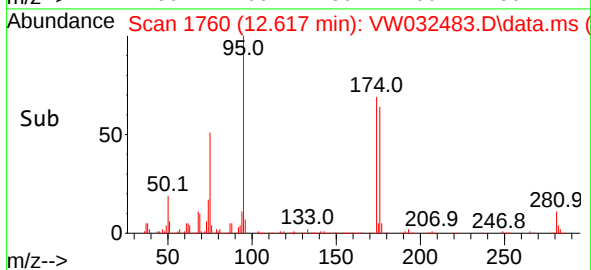
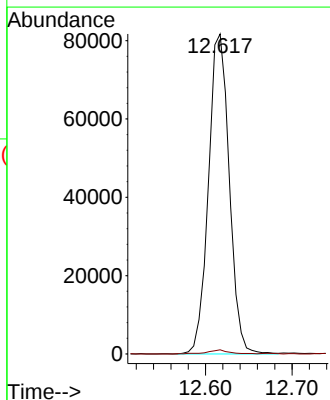
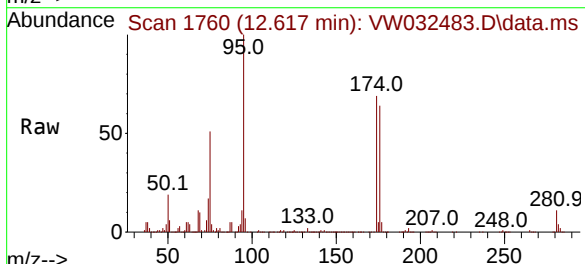
Instrument :
 MSVOA_W
 ClientSampleId :
 B4-0.05-1.0-20251114

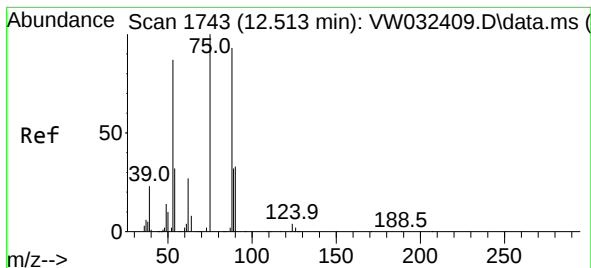
Tgt Ion:152 Resp: 284001
 Ion Ratio Lower Upper
 152 100
 115 67.9 32.8 98.3
 150 171.5 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 35.071 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032483.D
 Acq: 18 Nov 2025 15:52

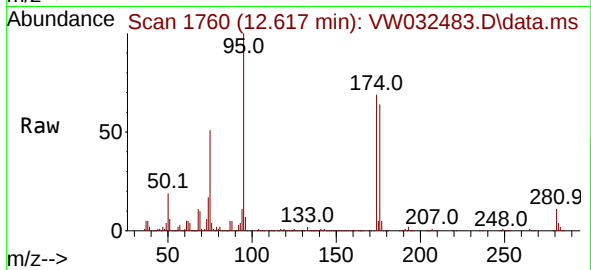
Tgt Ion: 75 Resp: 136572
 Ion Ratio Lower Upper
 75 100
 77 1.4 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.329 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032483.D
 Acq: 18 Nov 2025 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 B4-0.05-1.0-20251114



Tgt Ion: 75 Resp: 136572
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 35.6 53.4#

