

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032276.D
 Acq On : 26 Sep 2025 13:39
 Operator : SY/MD
 Sample : Q3206-01
 Misc : 5.05g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-06-092525RE

Quant Time: Sep 27 04:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

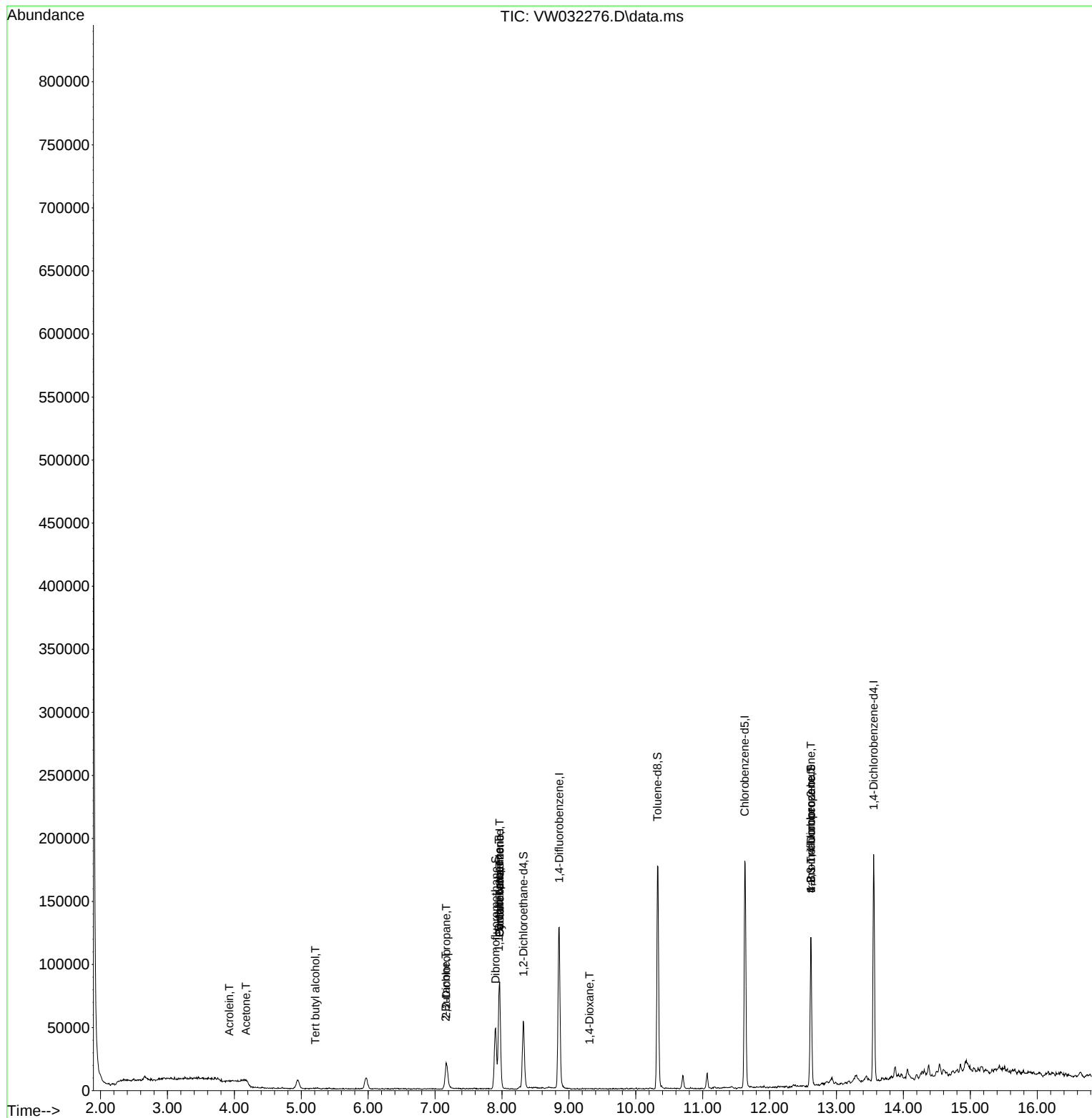
Internal Standards						
1) Pentafluorobenzene	7.965	168	55892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	108289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	102819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	45916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	43230	48.985	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.960%
35) Dibromofluoromethane	7.904	113	36124	46.385	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.780%
50) Toluene-d8	10.325	98	122381	43.603	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	87.200%
62) 4-Bromofluorobenzene	12.617	95	39360	37.178	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	74.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	398	6.497	ug/l #	71
13) Acrolein	3.923	56	439	4.026	ug/l #	38
16) Acetone	4.173	43	1471	6.490	ug/l #	87
20) Methylene Chloride	4.954	84	5590	Below Cal		96
25) 2-Butanone	7.160	43	584	1.849	ug/l	89
26) 2,2-Dichloropropane	7.167	77	1505	2.113	ug/l #	55
31) Cyclohexane	7.965	56	1609	1.412	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	6082	5.793	ug/l #	49
38) Carbon Tetrachloride	7.965	117	6959	7.045	ug/l #	20
49) 1,4-Dioxane	9.306	88	25	3.547	ug/l #	10
76) 1,2,3-Trichloropropane	12.617	75	19822	31.379	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	19822	81.505	ug/l #	9

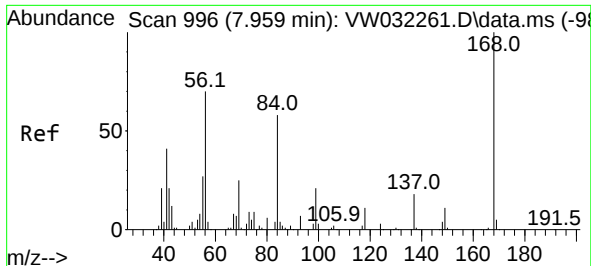
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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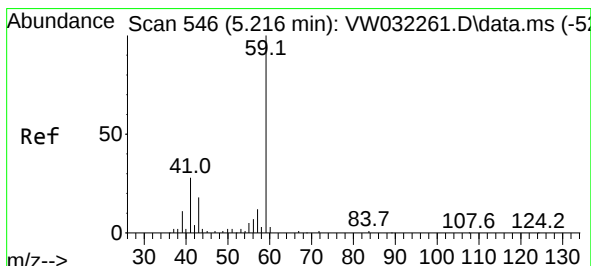
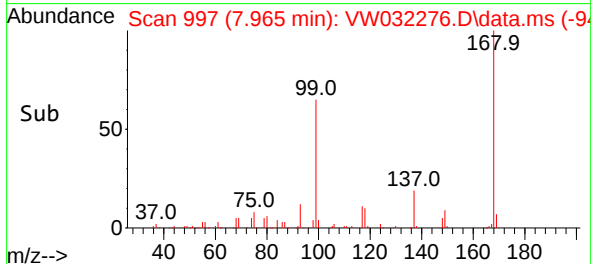
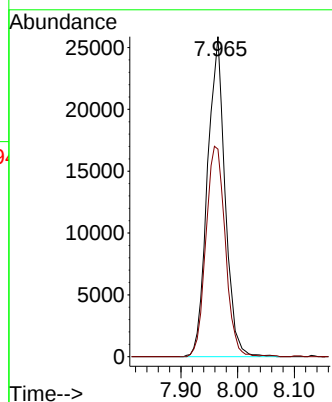
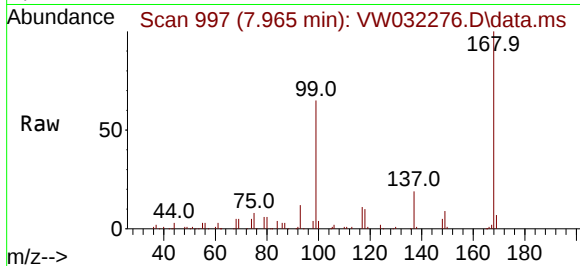




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

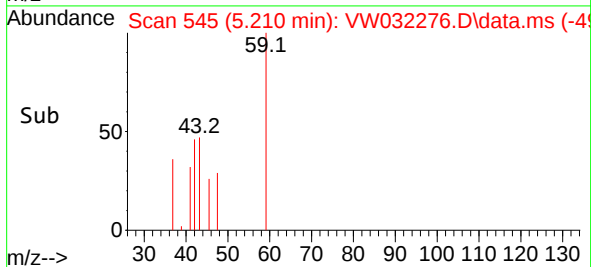
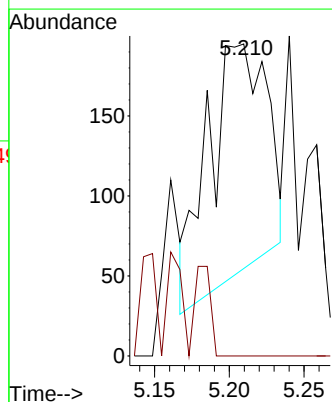
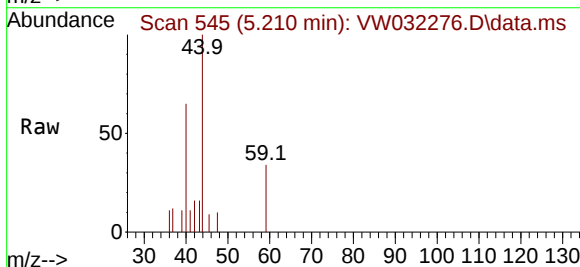
Instrument :
MSVOA_W
ClientSampleId :
TR-06-092525RE

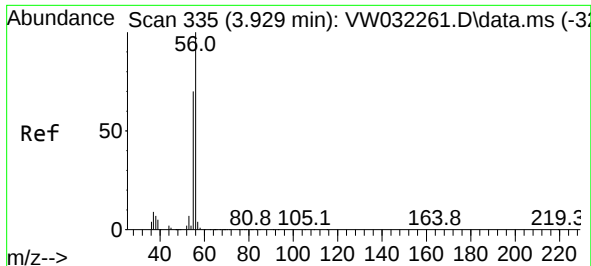
Tgt Ion:168 Resp: 55892
Ion Ratio Lower Upper
168 100
99 64.9 55.0 82.4



#11
Tert butyl alcohol
Concen: 6.497 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

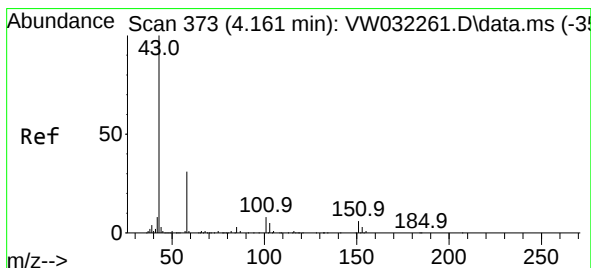
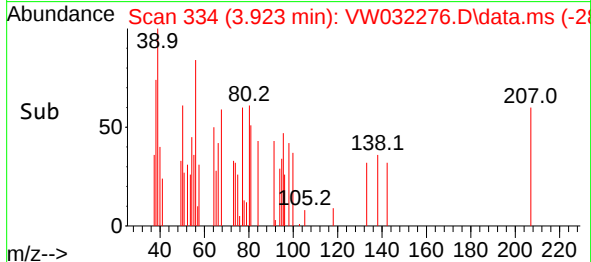
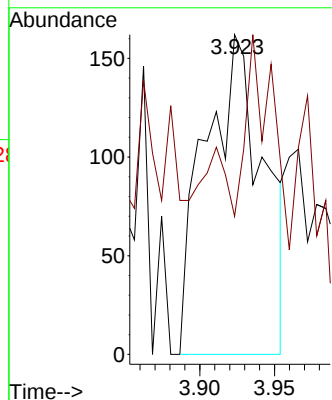
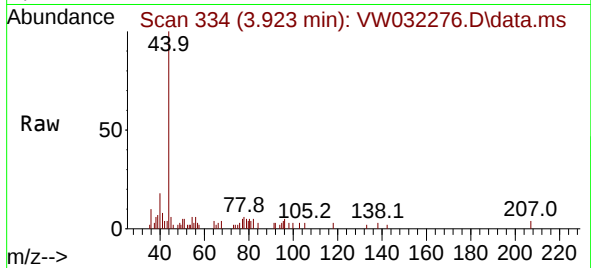




#13
Acrolein
Concen: 4.026 ug/l
RT: 3.923 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

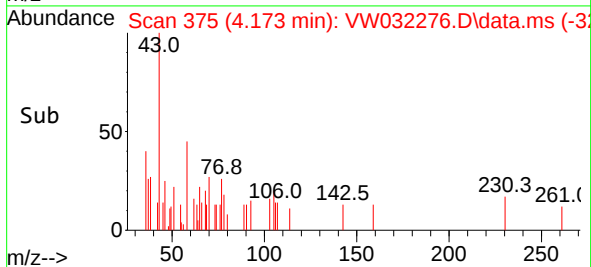
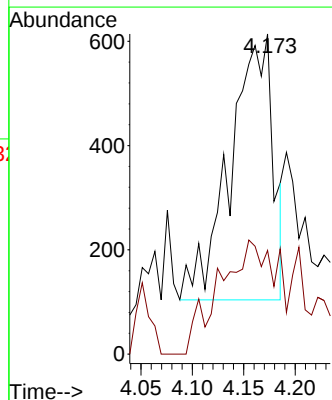
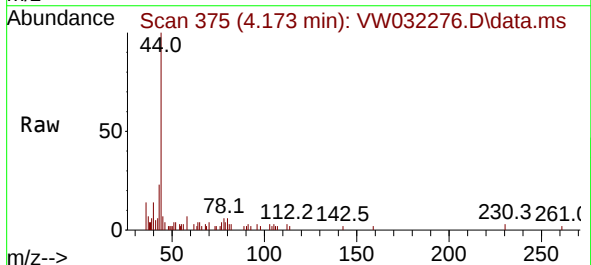
Instrument :
MSVOA_W
ClientSampleId :
TR-06-092525RE

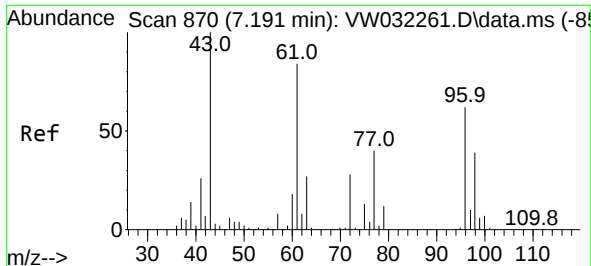
Tgt Ion: 56 Resp: 439
Ion Ratio Lower Upper
56 100
55 17.3 53.2 79.8#



#16
Acetone
Concen: 6.490 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

Tgt Ion: 43 Resp: 1471
Ion Ratio Lower Upper
43 100
58 39.0 25.4 38.0#





#25

2-Butanone

Concen: 1.849 ug/l

RT: 7.160 min Scan# 865

Delta R.T. -0.030 min

Lab File: VW032276.D

Acq: 26 Sep 2025 13:39

Instrument :

MSVOA_W

ClientSampleId :

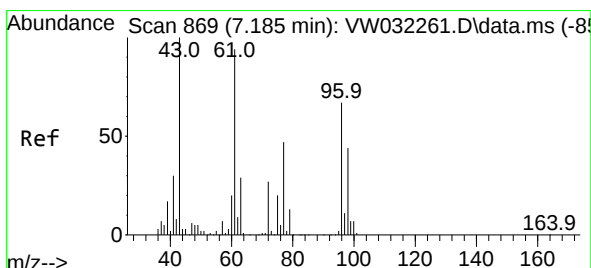
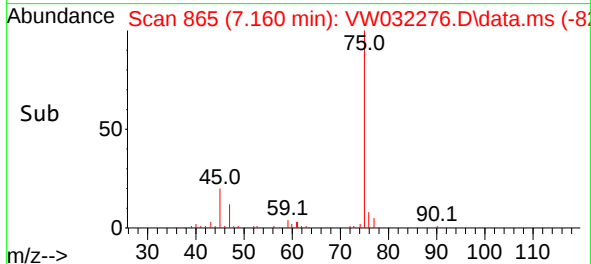
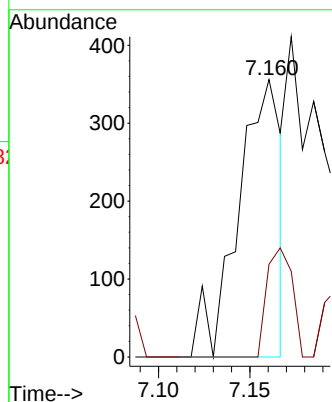
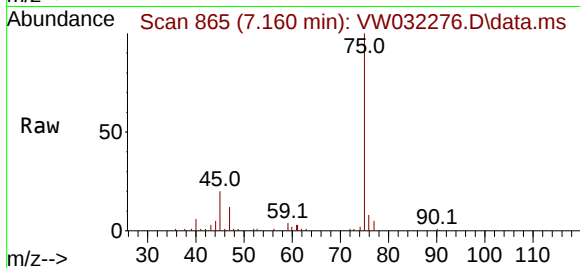
TR-06-092525RE

Tgt Ion: 43 Resp: 584

Ion Ratio Lower Upper

43 100

72 33.4 22.3 33.5



#26

2,2-Dichloropropane

Concen: 2.113 ug/l

RT: 7.167 min Scan# 866

Delta R.T. -0.018 min

Lab File: VW032276.D

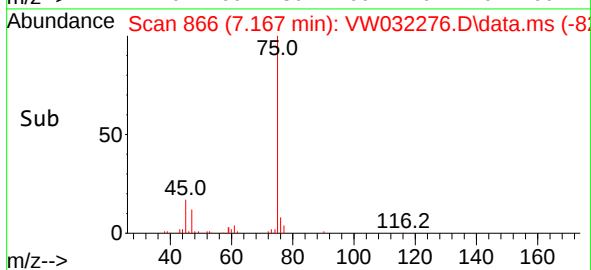
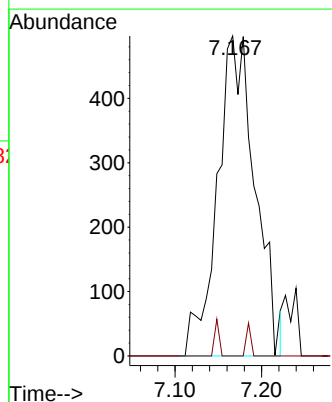
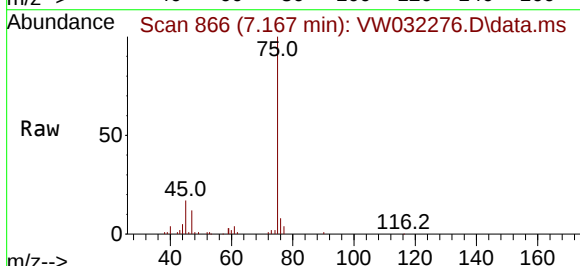
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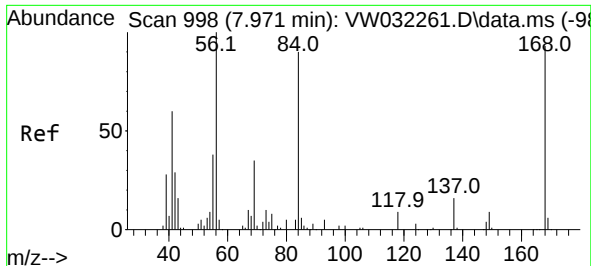
Tgt Ion: 77 Resp: 1505

Ion Ratio Lower Upper

77 100

97 1.4 11.7 35.0#

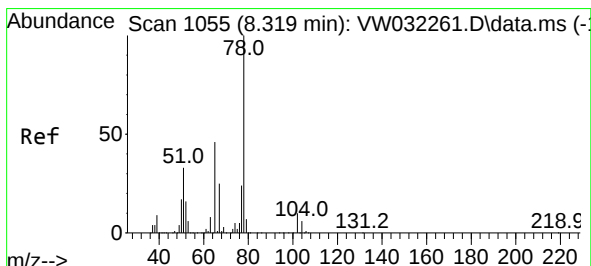
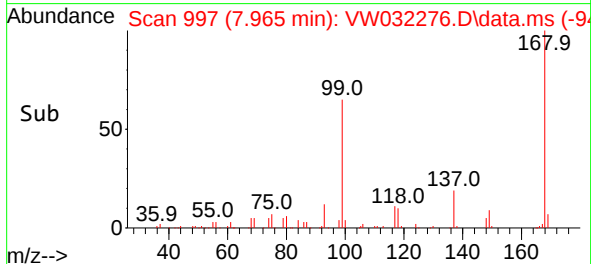
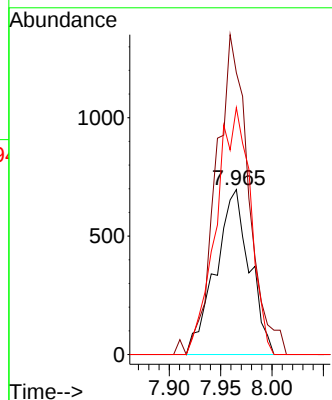
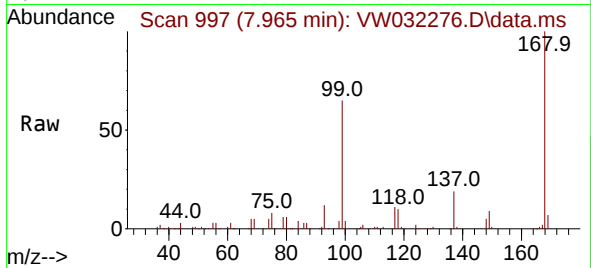




#31
Cyclohexane
Concen: 1.412 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

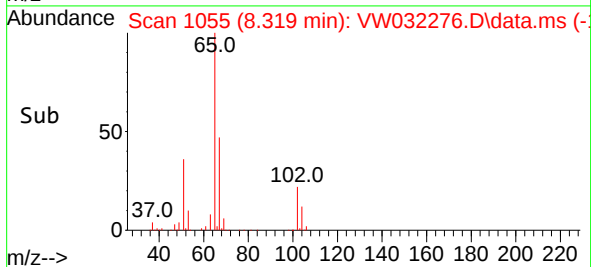
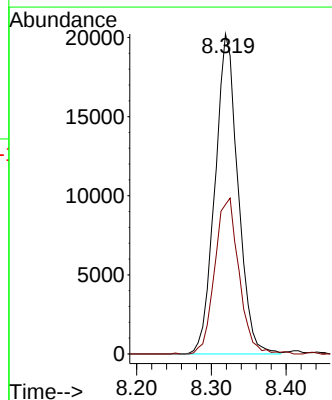
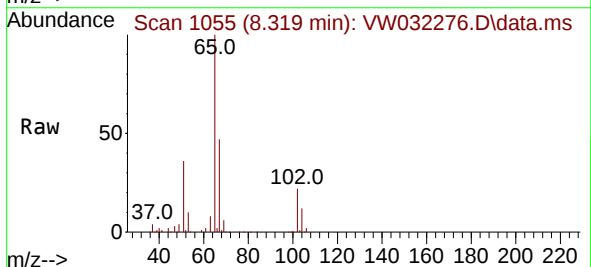
Instrument :
MSVOA_W
ClientSampleId :
TR-06-092525RE

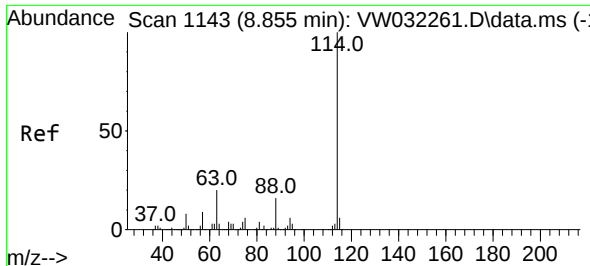
Tgt Ion: 56 Resp: 1609
Ion Ratio Lower Upper
56 100
69 161.7 28.2 42.2#
84 149.6 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 48.985 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

Tgt Ion: 65 Resp: 43230
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.8

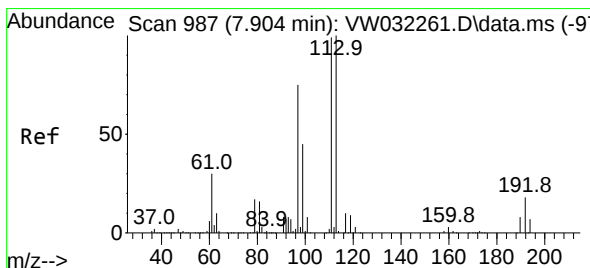
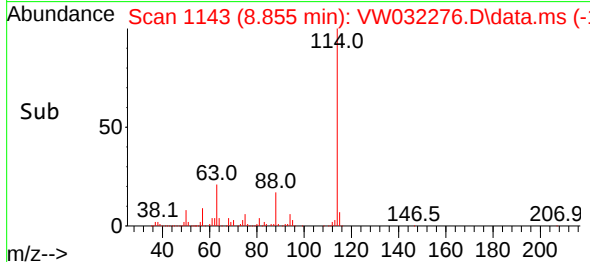
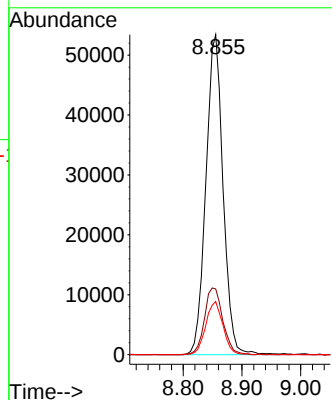
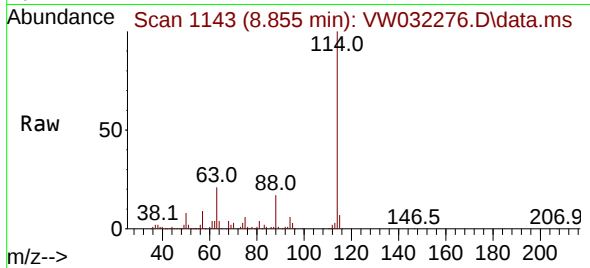




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032276.D
 Acq: 26 Sep 2025 13:39

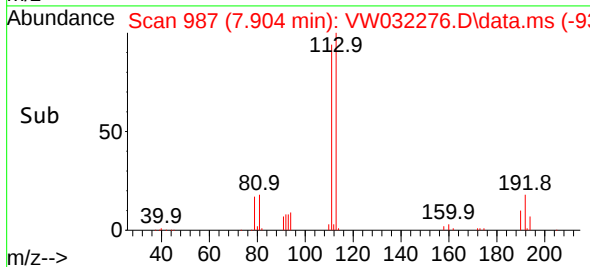
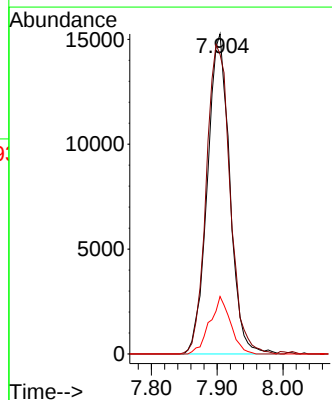
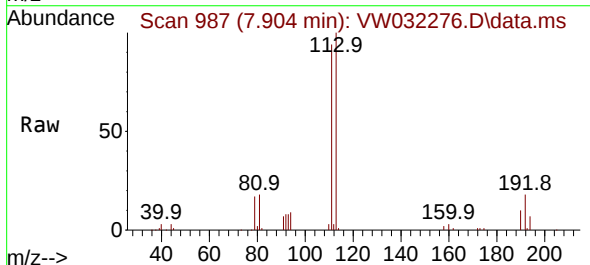
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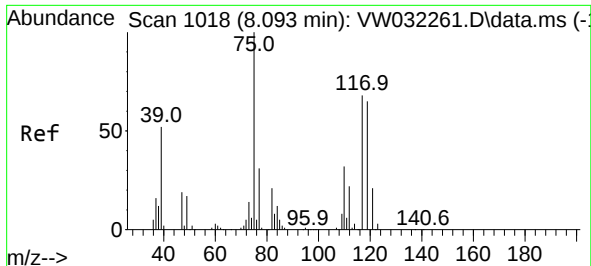
Tgt Ion:114 Resp: 108289
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 16.6 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 46.385 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW032276.D
 Acq: 26 Sep 2025 13:39

Tgt Ion:113 Resp: 36124
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.8
 192 16.7 13.0 19.4

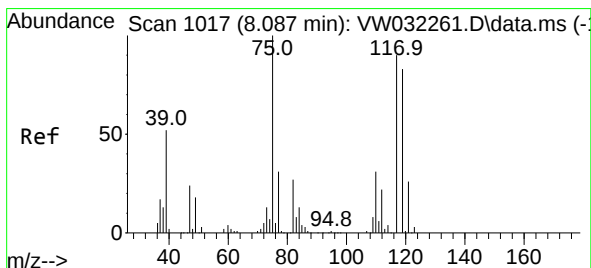
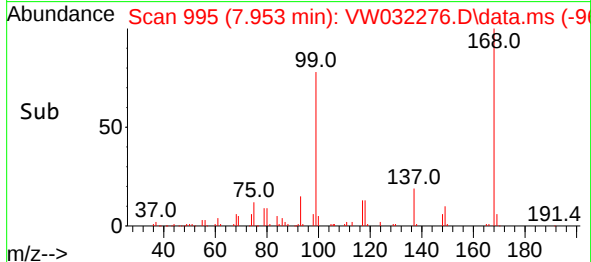
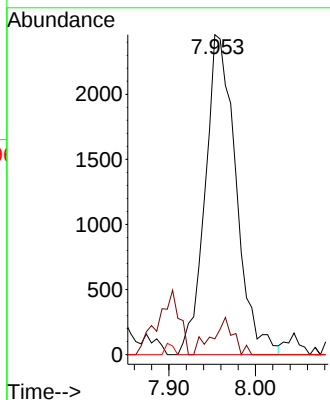
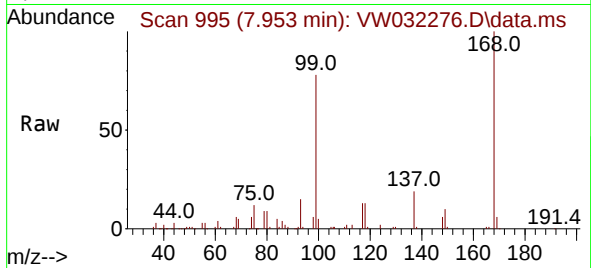




#36
1,1-Dichloropropene
Concen: 5.793 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.140 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

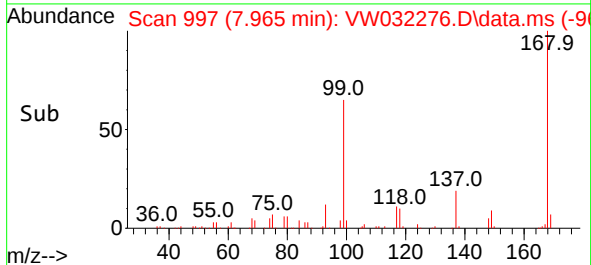
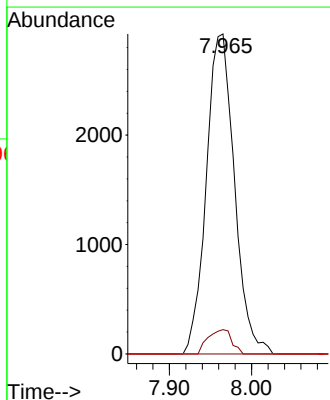
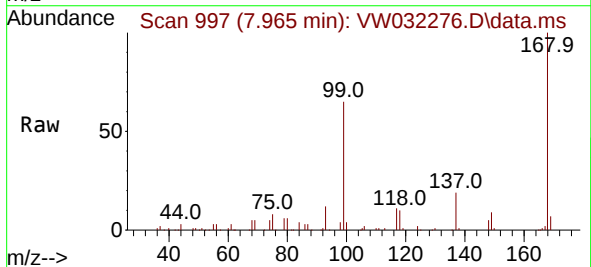
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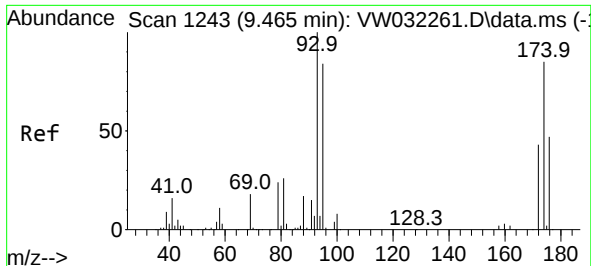
Tgt Ion: 75 Resp: 6082
Ion Ratio Lower Upper
75 100
110 8.1 16.7 50.1#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 7.045 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

Tgt Ion: 117 Resp: 6959
Ion Ratio Lower Upper
117 100
119 7.6 73.9 110.9#
121 0.0 23.0 34.6#

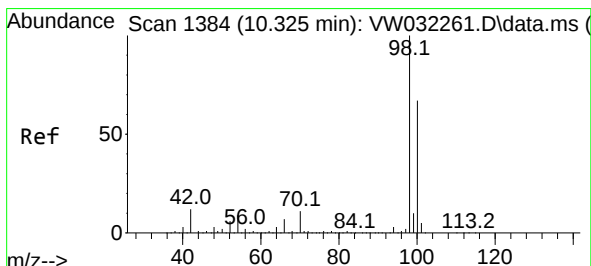
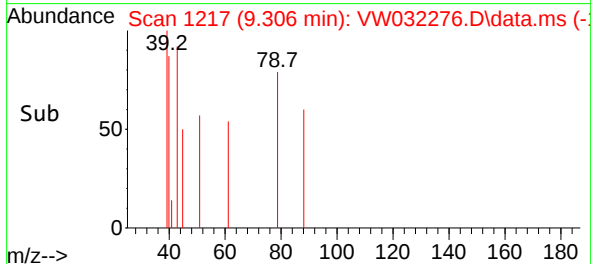
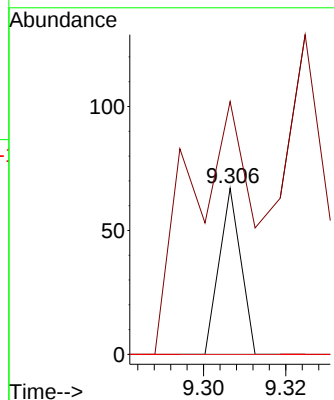
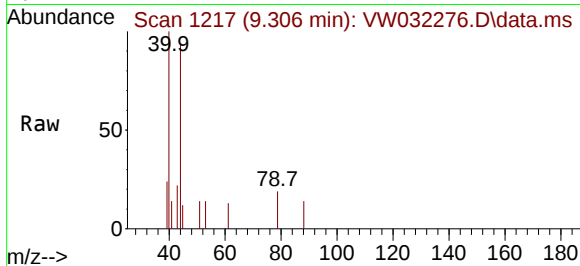




#49
 1,4-Dioxane
 Concen: 3.547 ug/l
 RT: 9.306 min Scan# 1217
 Delta R.T. -0.159 min
 Lab File: VW032276.D
 Acq: 26 Sep 2025 13:39

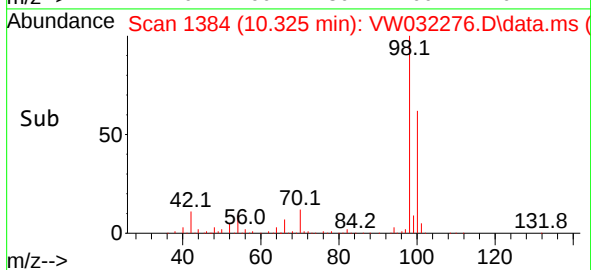
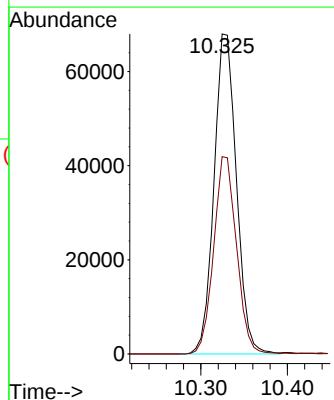
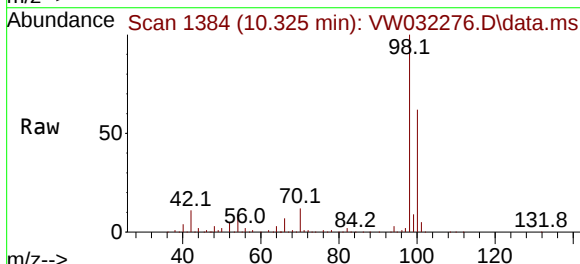
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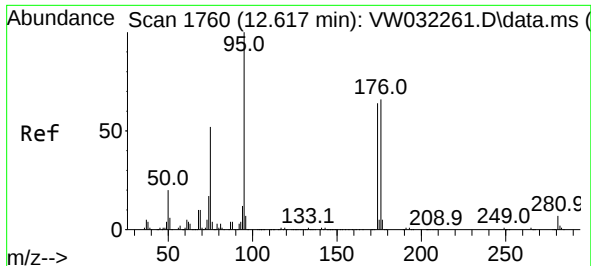
Tgt Ion: 88 Resp: 25
 Ion Ratio Lower Upper
 88 100
 43 424.0 0.0 0.0#
 58 0.0 62.9 94.3#



#50
 Toluene-d8
 Concen: 43.603 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032276.D
 Acq: 26 Sep 2025 13:39

Tgt Ion: 98 Resp: 122381
 Ion Ratio Lower Upper
 98 100
 100 62.8 53.0 79.4

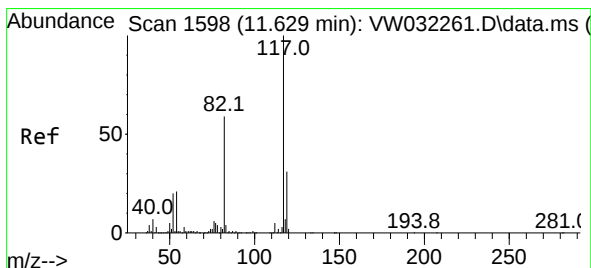
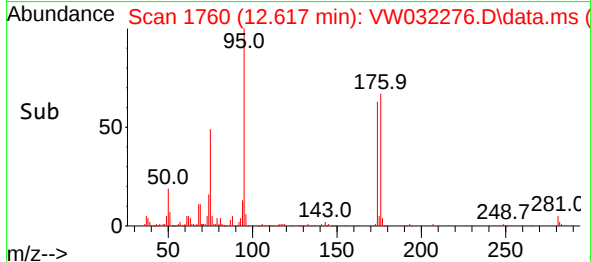
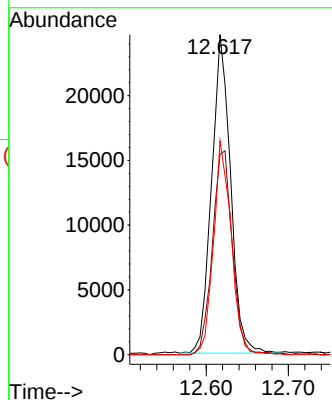
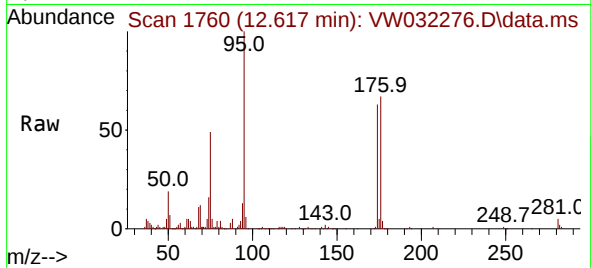




#62
4-Bromofluorobenzene
Concen: 37.178 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

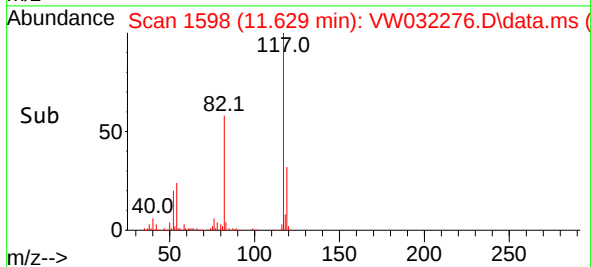
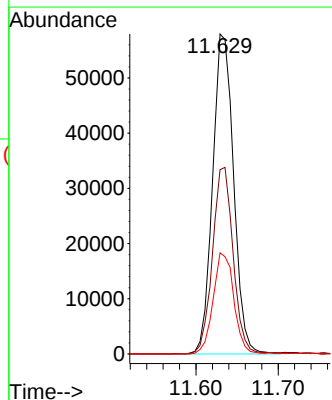
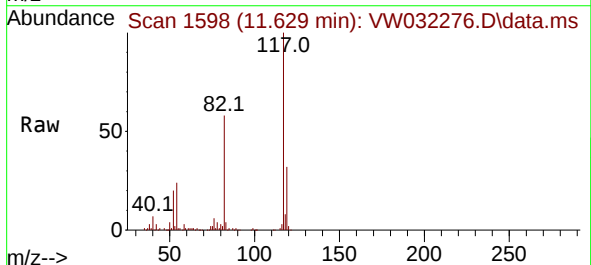
Instrument :
MSVOA_W
ClientSampleId :
TR-06-092525RE

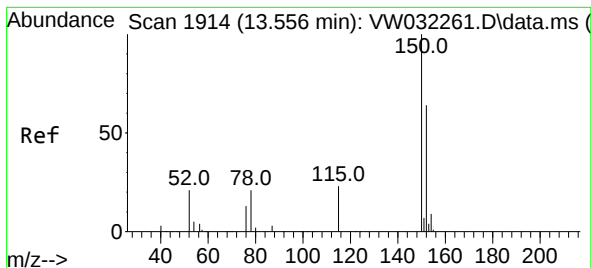
Tgt Ion: 95 Resp: 39360
Ion Ratio Lower Upper
95 100
174 67.6 0.0 130.6
176 63.2 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032276.D
Acq: 26 Sep 2025 13:39

Tgt Ion: 117 Resp: 102819
Ion Ratio Lower Upper
117 100
82 57.5 46.9 70.3
119 31.6 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032276.D

Acq: 26 Sep 2025 13:39

Instrument :

MSVOA_W

ClientSampleId :

TR-06-092525RE

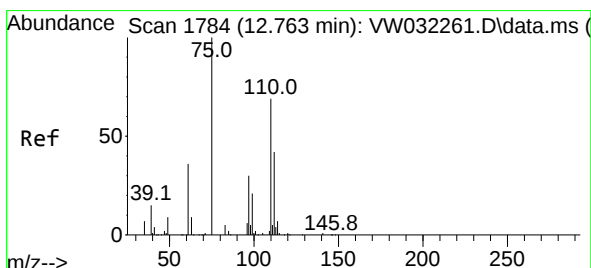
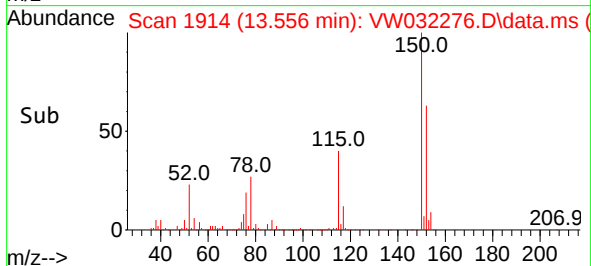
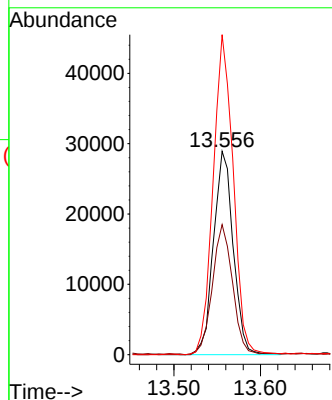
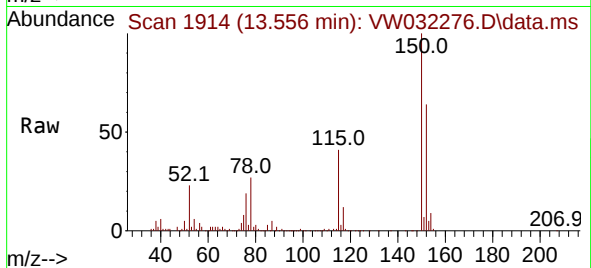
Tgt Ion:152 Resp: 45916

Ion Ratio Lower Upper

152 100

115 65.5 32.5 97.5

150 159.3 0.0 370.2



#76

1,2,3-Trichloropropane

Concen: 31.379 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032276.D

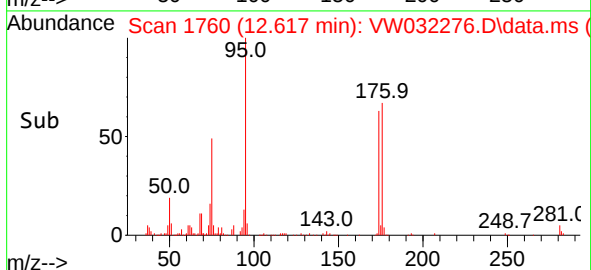
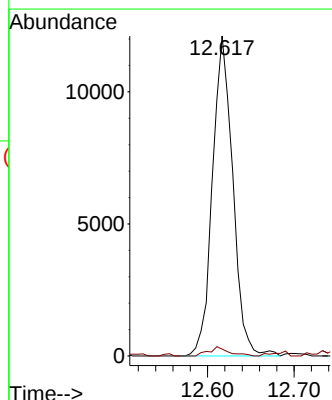
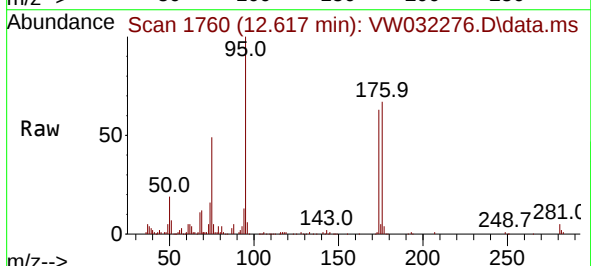
Acq: 26 Sep 2025 13:39

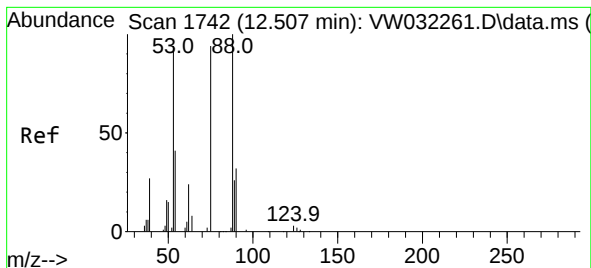
Tgt Ion: 75 Resp: 19822

Ion Ratio Lower Upper

75 100

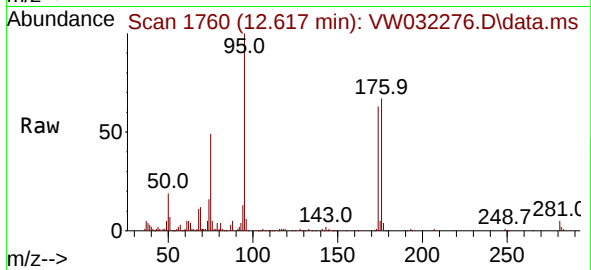
77 2.8 140.9 422.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.505 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032276.D
 Acq: 26 Sep 2025 13:39

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-06-092525RE



Tgt Ion: 75 Resp: 19822
 Ion Ratio Lower Upper
 75 100
 53 0.5 81.4 122.2#
 89 0.0 35.4 53.2#

