

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032157.D
 Acq On : 28 Aug 2025 14:25
 Operator : SY/MD
 Sample : Q2971-25
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP8

Quant Time: Aug 29 01:19:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	91087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	176342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	189158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	95371	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	76426	58.669	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.340%
35) Dibromofluoromethane	7.898	113	68006	54.968	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.940%
50) Toluene-d8	10.325	98	212020	48.817	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.617	95	80213	49.945	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.880%

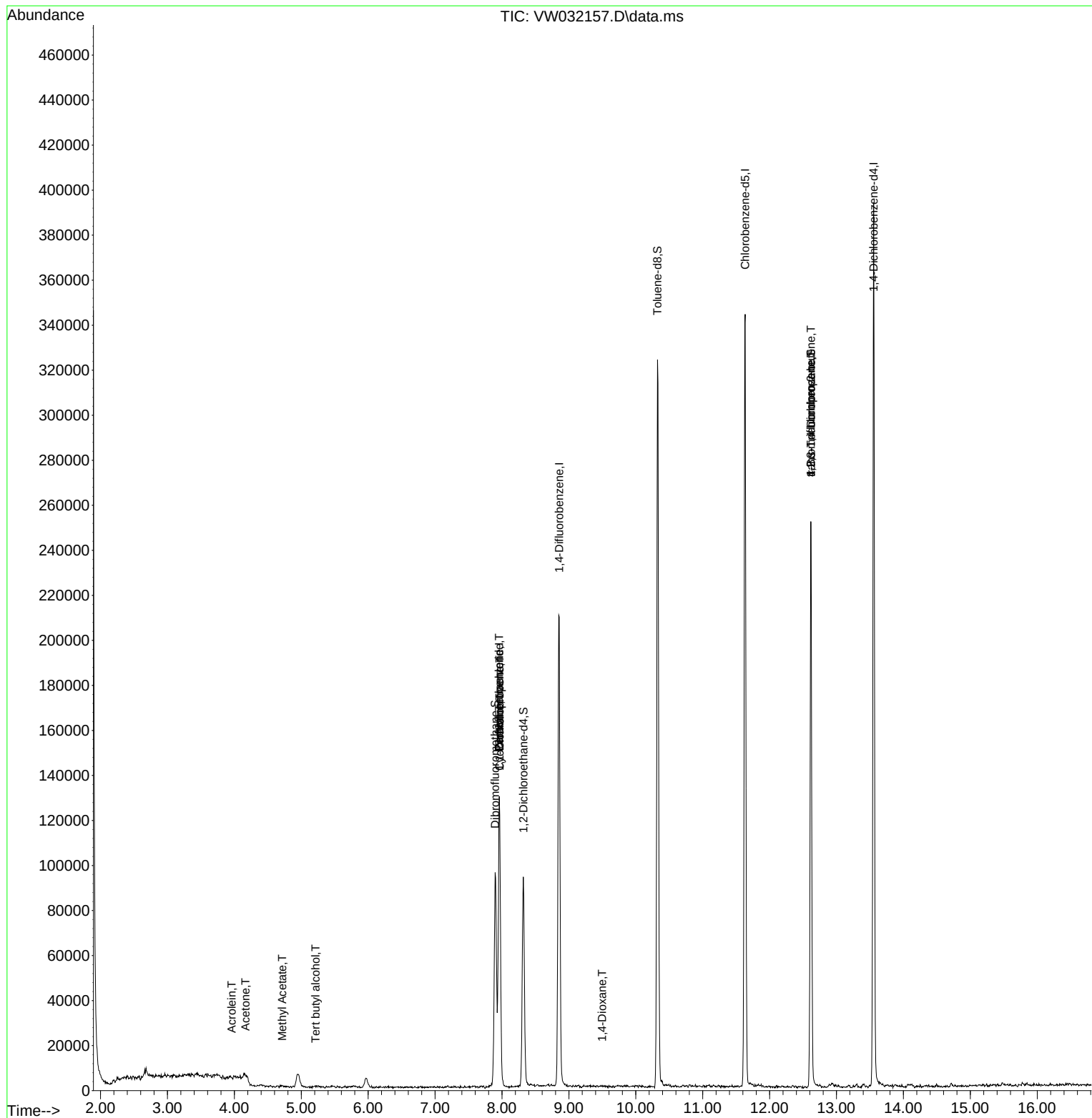
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.216	59	120	1.506	ug/l #	82
13) Acrolein	3.960	56	188	1.535	ug/l #	43
16) Acetone	4.167	43	2812	9.967	ug/l	91
18) Methyl Acetate	4.716	43	1428	1.589	ug/l #	72
31) Cyclohexane	7.965	56	2592	1.621	ug/l #	33
36) 1,1-Dichloropropene	7.965	75	7793	4.858	ug/l #	52
38) Carbon Tetrachloride	7.959	117	9501	5.525	ug/l #	17
49) 1,4-Dioxane	9.496	88	23	2.271	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	43686	36.563	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	43686	98.445	ug/l #	5

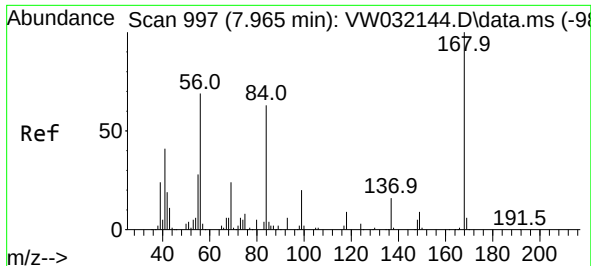
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

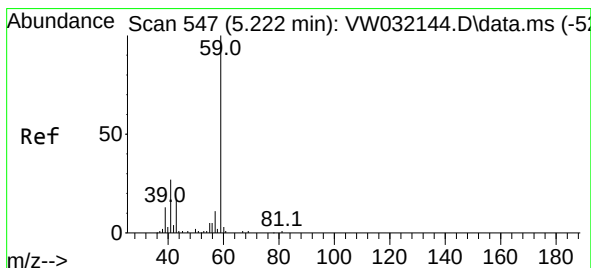
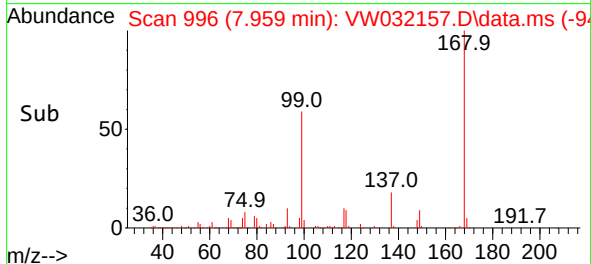
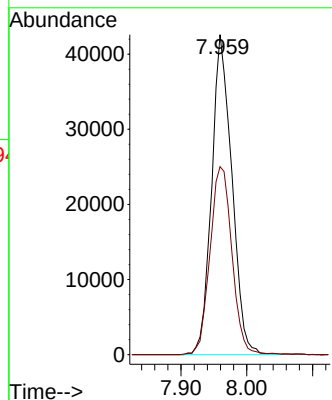
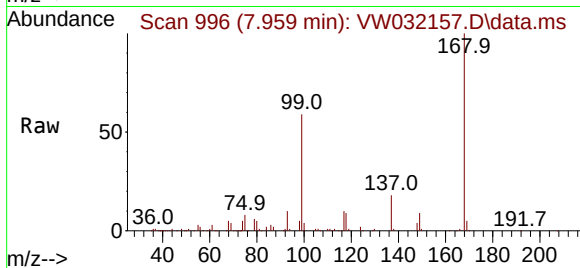




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

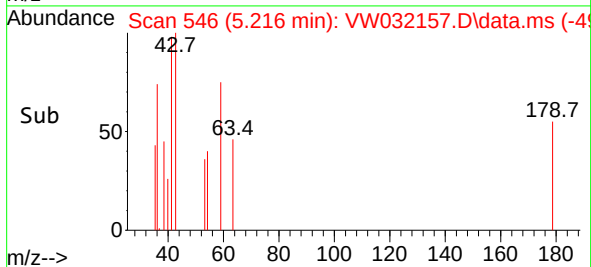
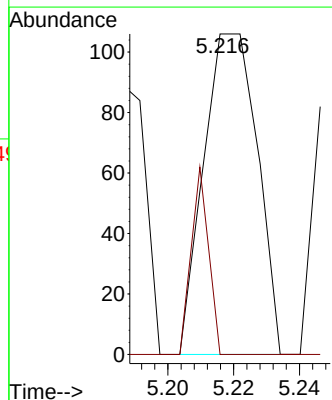
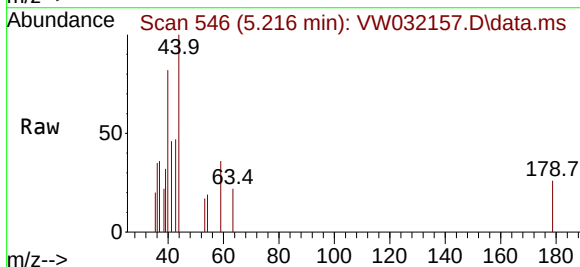
Instrument :
MSVOA_W
ClientSampleId :
TP8

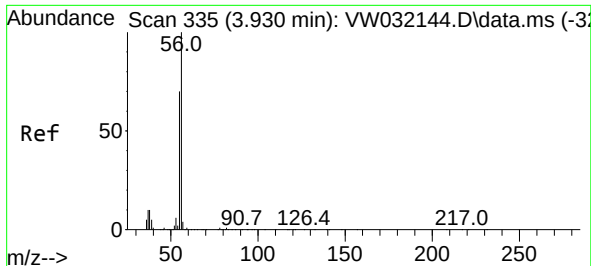
Tgt Ion:168 Resp: 91087
Ion Ratio Lower Upper
168 100
99 58.7 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.506 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 19.2 9.8 14.6#

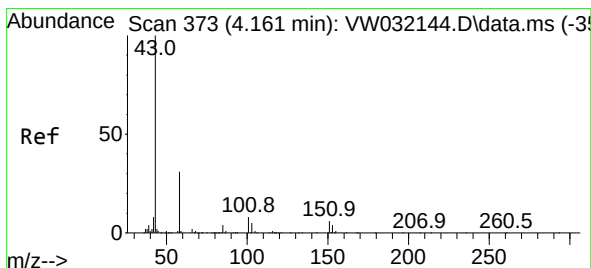
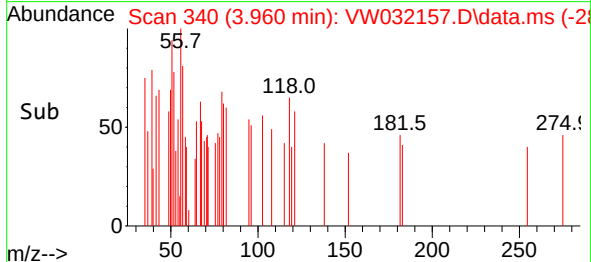
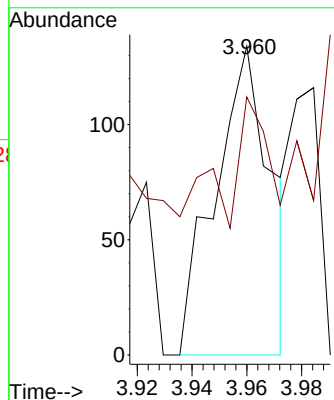
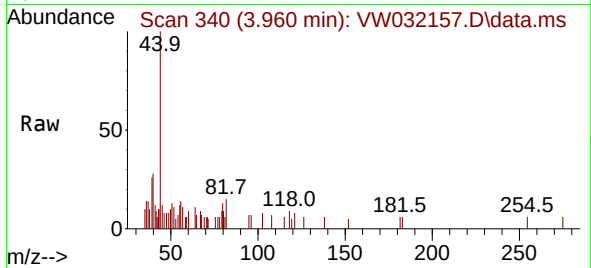




#13
Acrolein
Concen: 1.535 ug/l
RT: 3.960 min Scan# 341
Delta R.T. 0.030 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

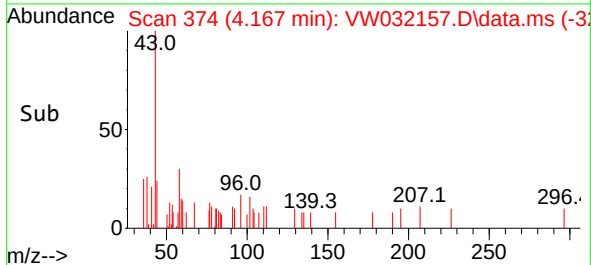
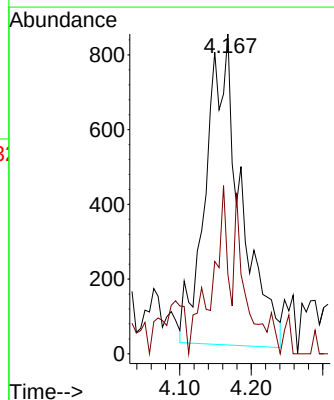
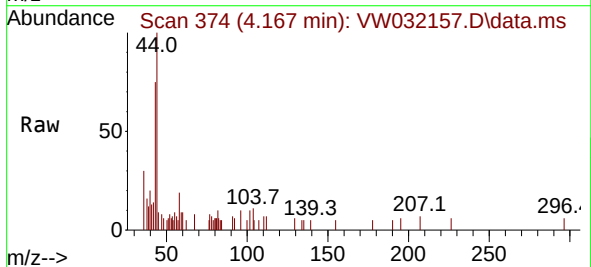
Instrument :
MSVOA_W
ClientSampleId :
TP8

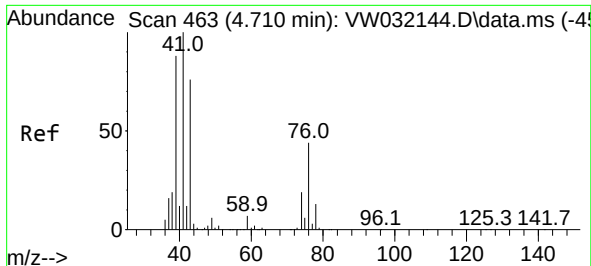
Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 23.4 56.4 84.6#



#16
Acetone
Concen: 9.967 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

Tgt Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
58 26.8 25.3 37.9

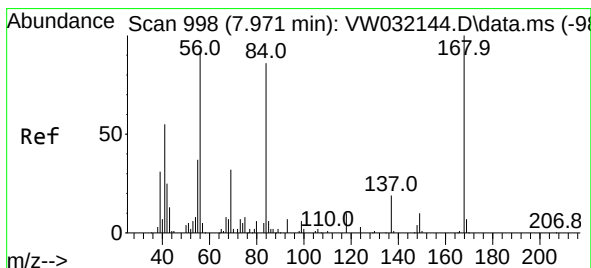
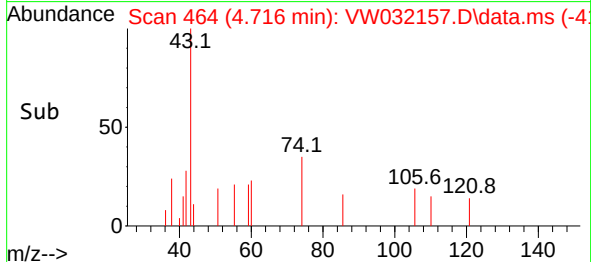
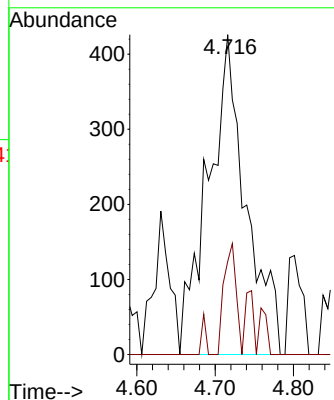
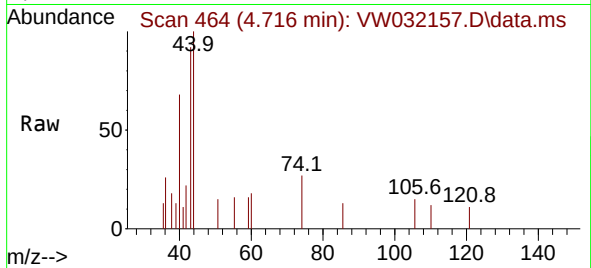




#18
Methyl Acetate
Concen: 1.589 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

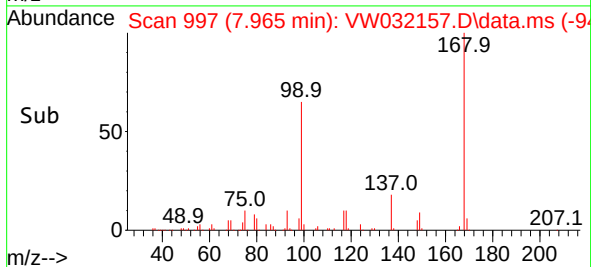
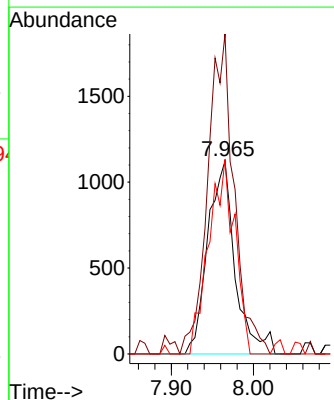
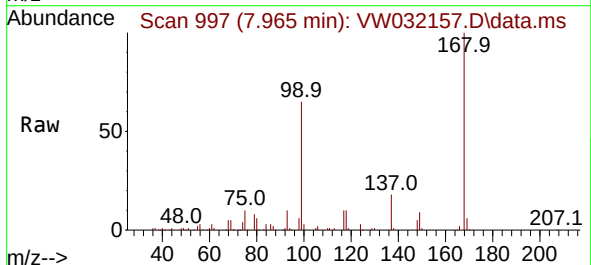
Instrument :
MSVOA_W
ClientSampleId :
TP8

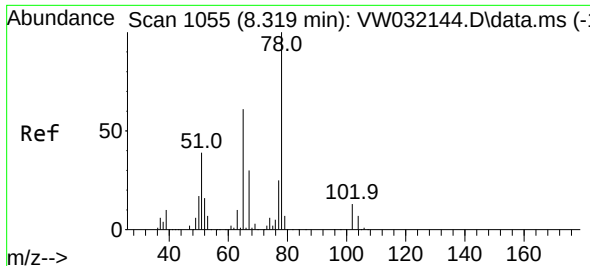
Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
74 11.1 20.2 30.4#



#31
Cyclohexane
Concen: 1.621 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

Tgt Ion: 56 Resp: 2592
Ion Ratio Lower Upper
56 100
69 165.9 27.7 41.5#
84 100.9 74.6 112.0





#33

1,2-Dichloroethane-d4

Concen: 58.669 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032157.D

Acq: 28 Aug 2025 14:25

Instrument :

MSVOA_W

ClientSampleId :

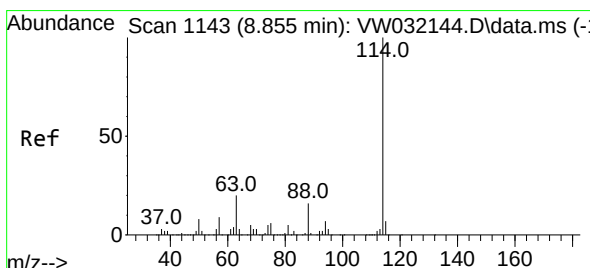
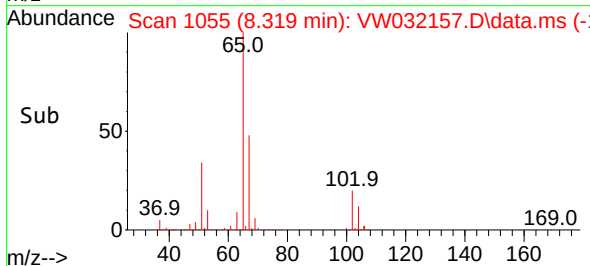
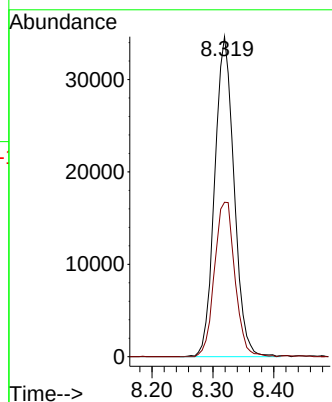
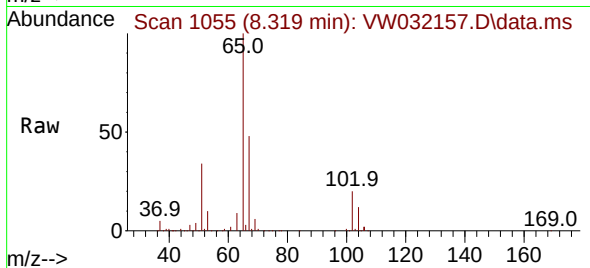
TP8

Tgt Ion: 65 Resp: 76426

Ion Ratio Lower Upper

65 100

67 50.9 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032157.D

Acq: 28 Aug 2025 14:25

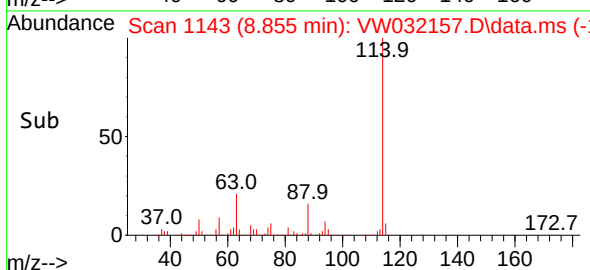
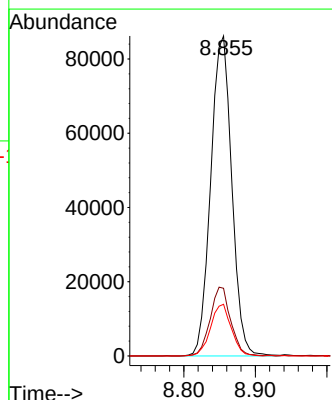
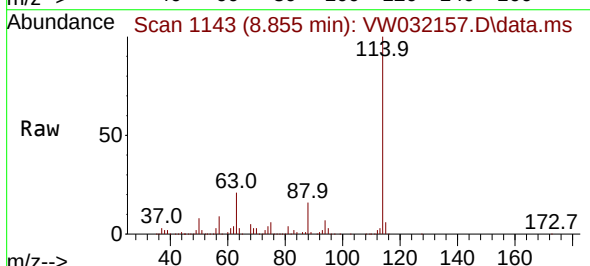
Tgt Ion: 114 Resp: 176342

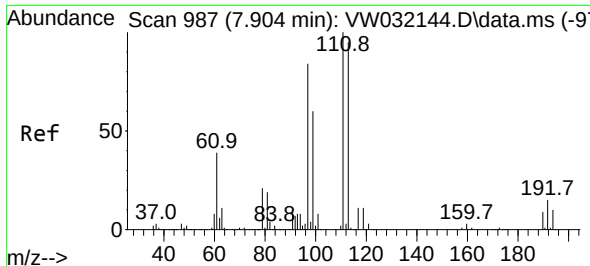
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.4

88 16.2 0.0 32.0

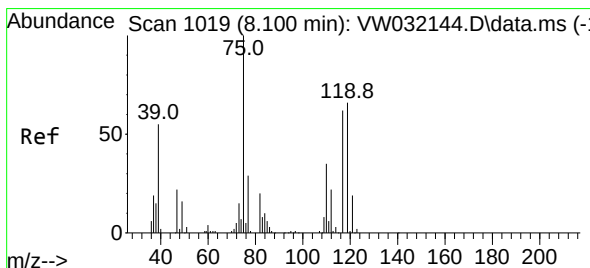
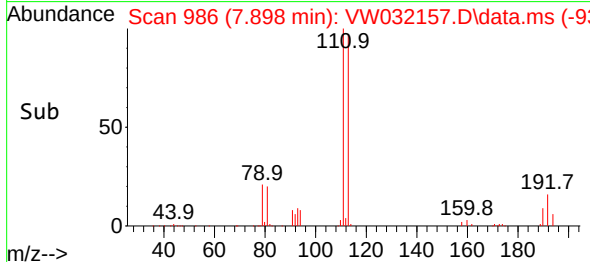
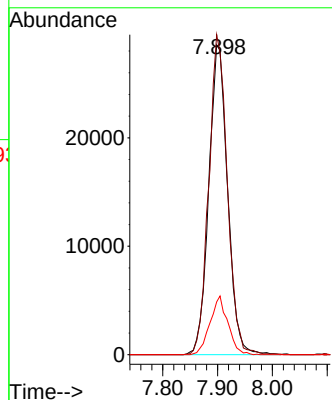
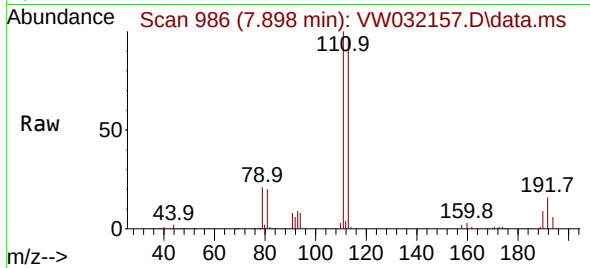




#35
Dibromofluoromethane
Concen: 54.968 ug/l
RT: 7.898 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

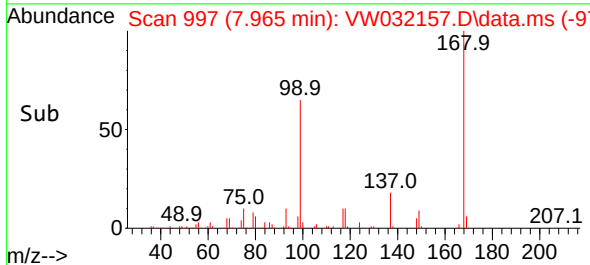
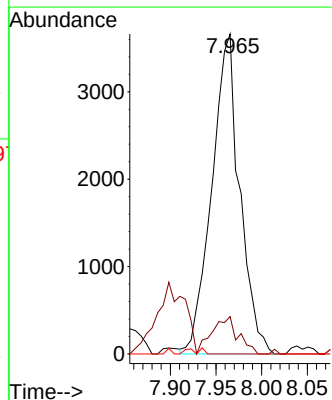
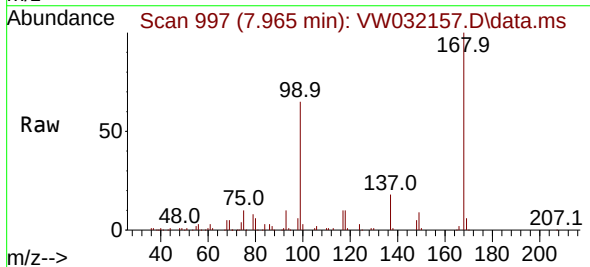
Instrument :
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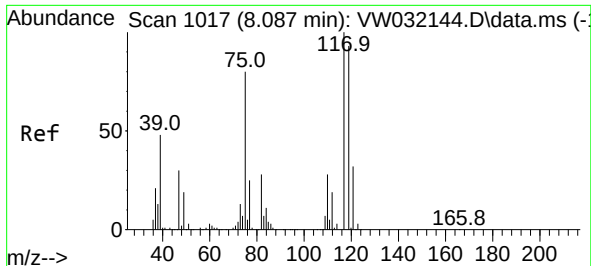
Tgt Ion:113 Resp: 68006
Ion Ratio Lower Upper
113 100
111 102.0 83.9 125.9
192 18.0 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.858 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

Tgt Ion: 75 Resp: 7793
Ion Ratio Lower Upper
75 100
110 11.0 17.5 52.5#
77 0.0 24.1 36.1#

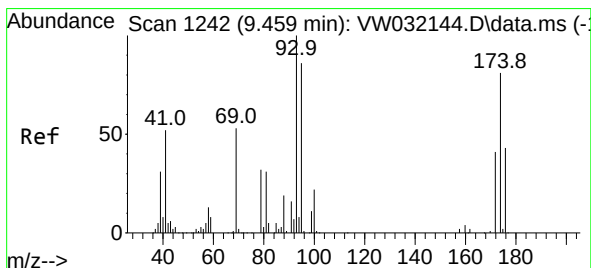
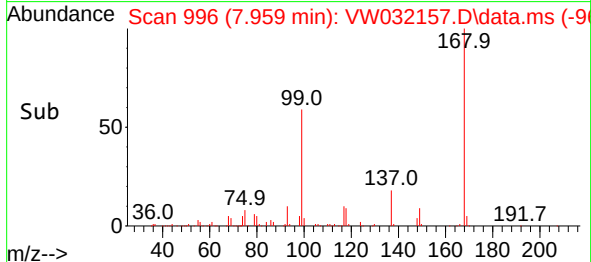
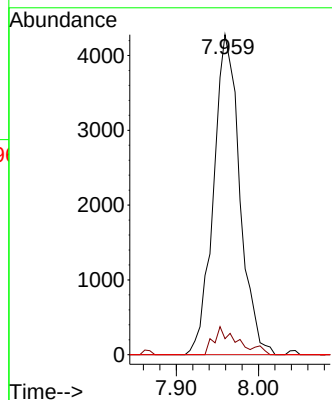
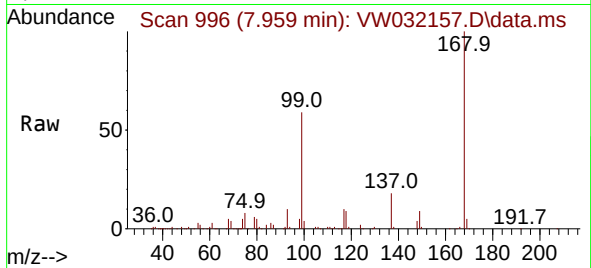




#38
Carbon Tetrachloride
Concen: 5.525 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

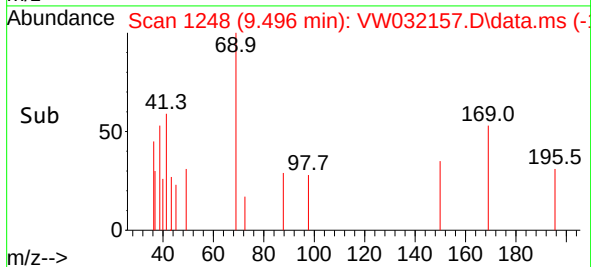
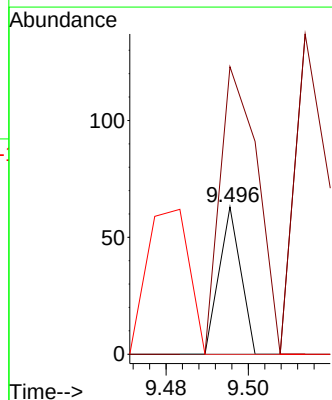
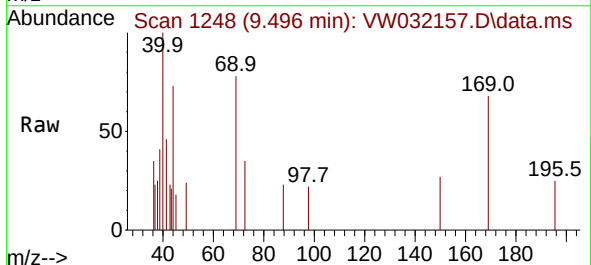
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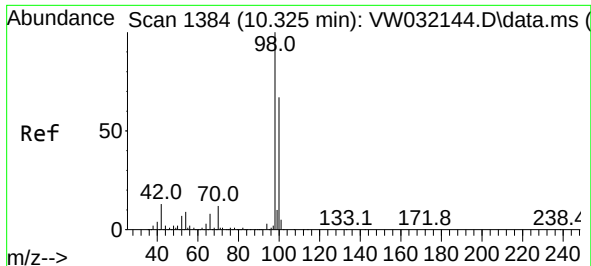
Tgt Ion: 117 Resp: 9501
Ion Ratio Lower Upper
117 100
119 5.0 74.2 111.2#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 2.271 ug/l
RT: 9.496 min Scan# 1248
Delta R.T. 0.037 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 339.1 18.0 27.0#
58 191.3 55.4 83.0#

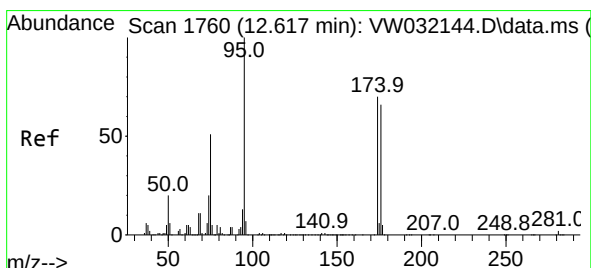
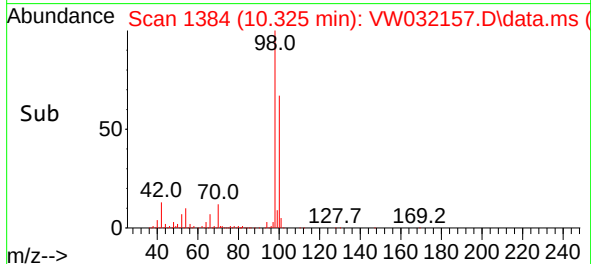
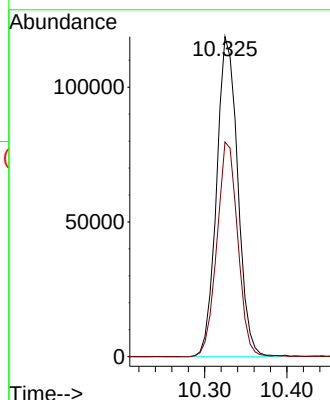
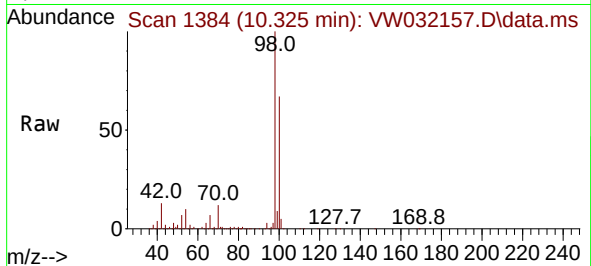




#50
Toluene-d8
Concen: 48.817 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

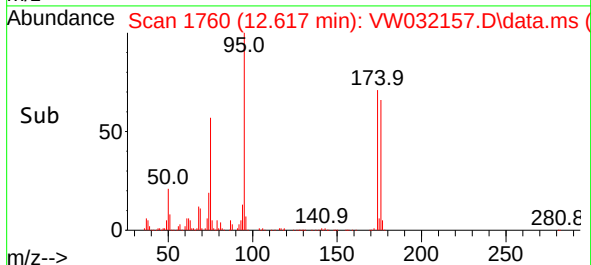
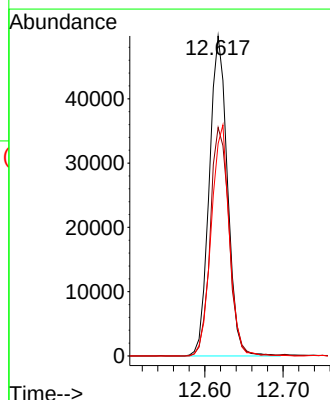
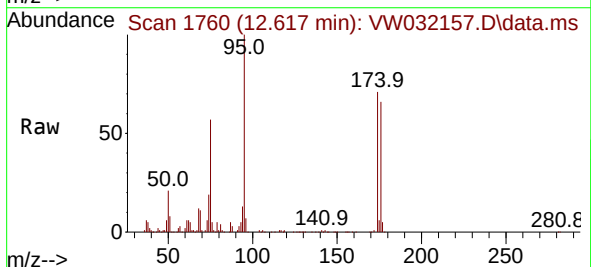
Instrument :
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ClientSampleId :
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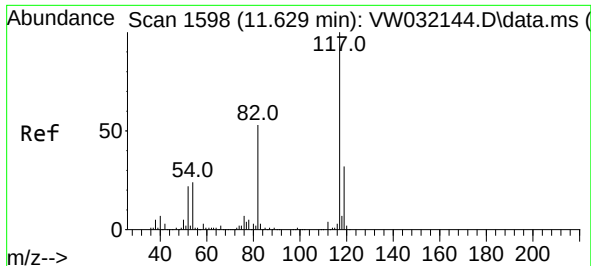
Tgt Ion: 98 Resp: 212020
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 49.945 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

Tgt Ion: 95 Resp: 80213
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.6
176 71.7 0.0 140.8

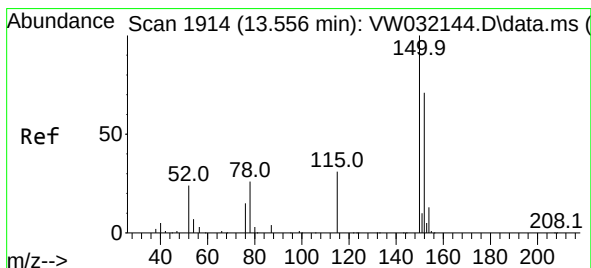
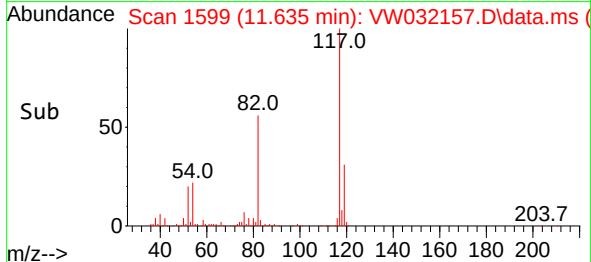
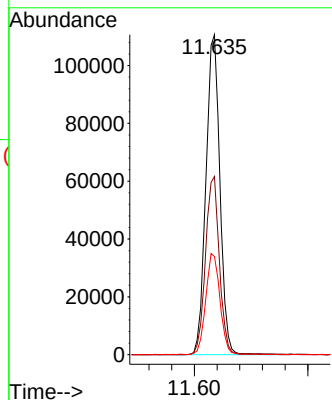
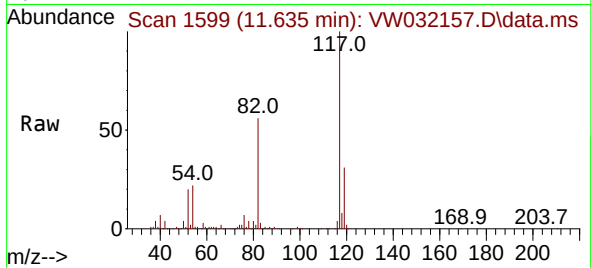




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

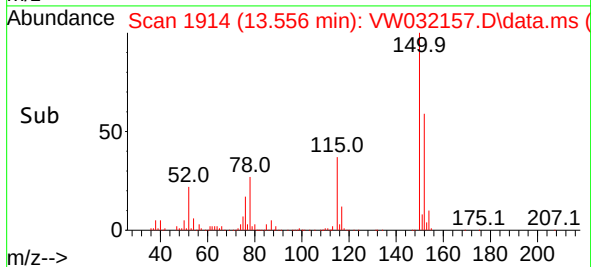
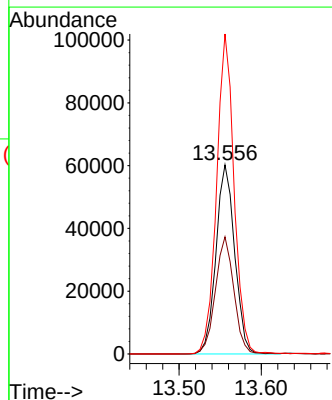
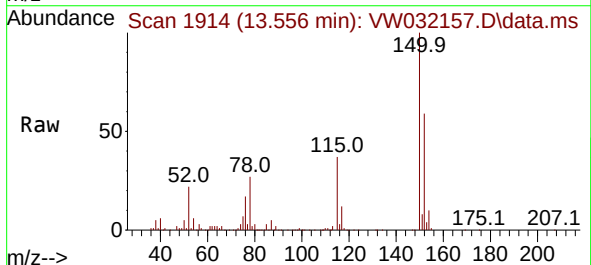
Instrument :
MSVOA_W
ClientSampleId :
TP8

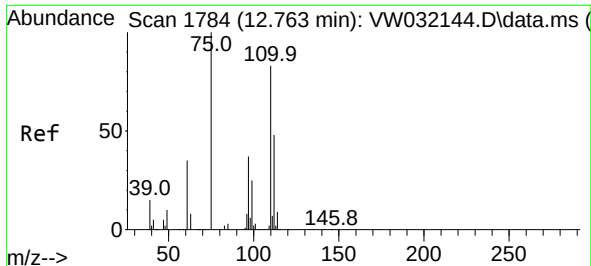
Tgt Ion:117 Resp: 189158
Ion Ratio Lower Upper
117 100
82 55.7 42.7 64.1
119 30.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

Tgt Ion:152 Resp: 95371
Ion Ratio Lower Upper
152 100
115 61.2 31.8 95.4
150 158.4 0.0 343.0

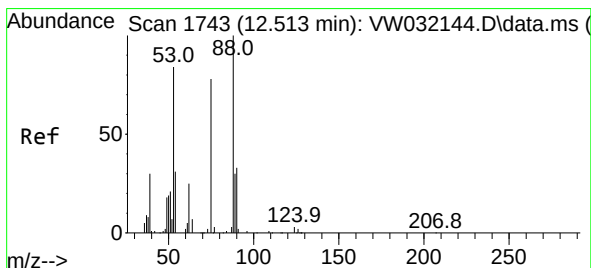
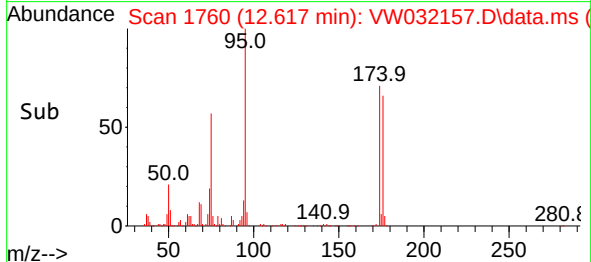
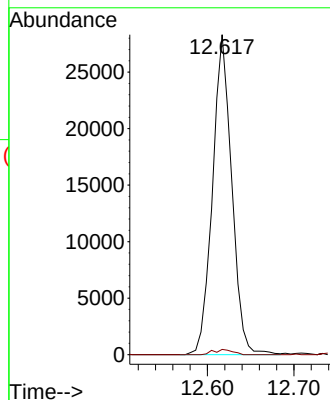
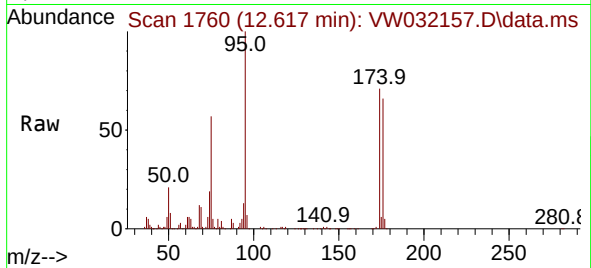




#76
1,2,3-Trichloropropane
Concen: 36.563 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

Instrument :
MSVOA_W
ClientSampleId :
TP8

Tgt Ion: 75 Resp: 43686
Ion Ratio Lower Upper
75 100
77 1.6 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.445 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:25

Tgt Ion: 75 Resp: 43686
Ion Ratio Lower Upper
75 100
53 0.2 91.0 136.6#
89 0.0 39.4 59.2#

