

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032086.D
 Acq On : 14 Aug 2025 12:24
 Operator : SY/MD
 Sample : Q2820-03
 Misc : 7.62g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 18 03:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

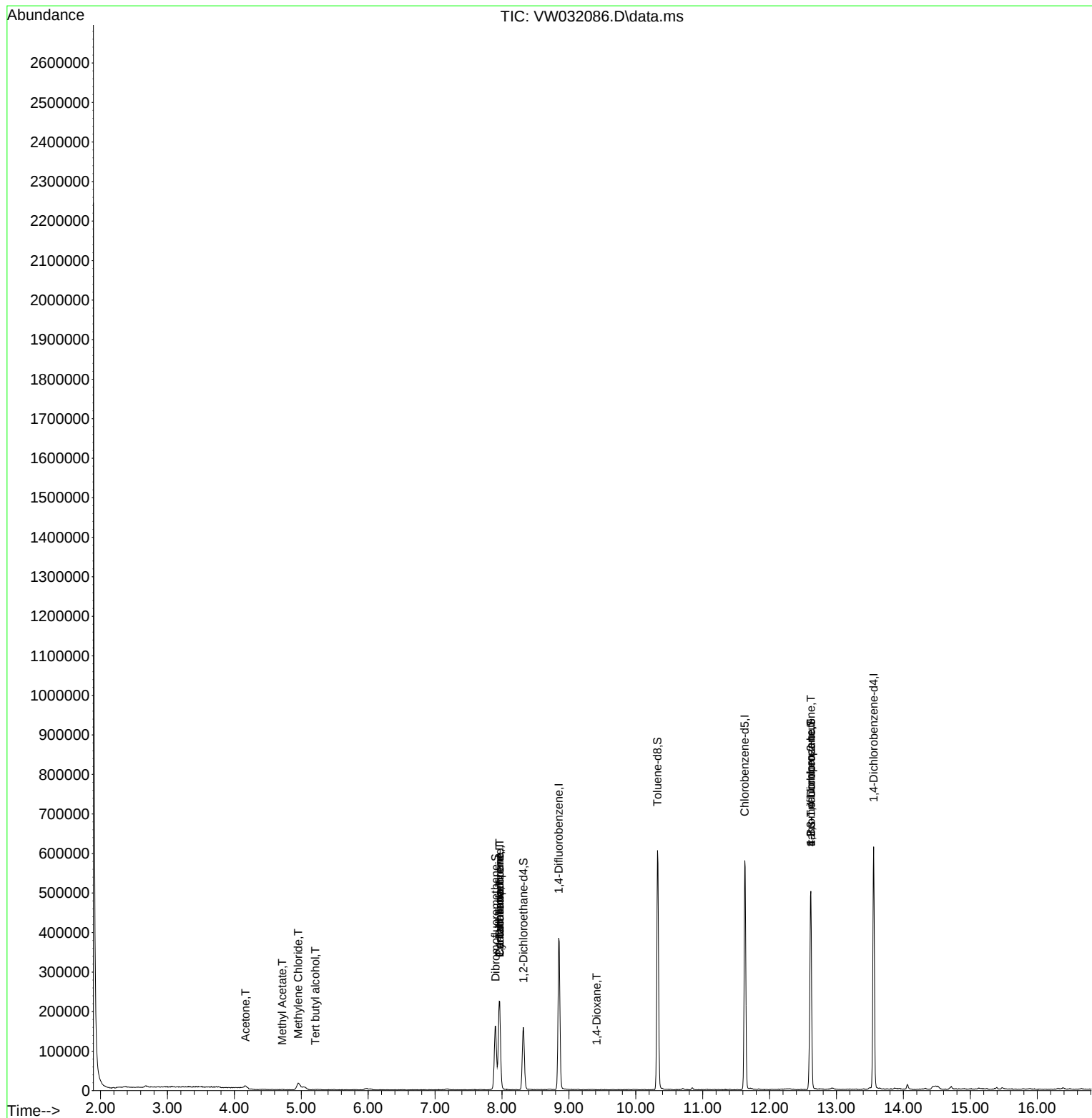
Internal Standards						
1) Pentafluorobenzene	7.965	168	157879	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	311642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	306017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	150411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131250	57.481	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 114.960%	
35) Dibromofluoromethane	7.904	113	112046	55.652	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 111.300%	
50) Toluene-d8	10.325	98	388880	52.222	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 104.440%	
62) 4-Bromofluorobenzene	12.617	95	143127	52.156	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 104.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	398	2.692	ug/l	# 89
16) Acetone	4.167	43	8531	16.137	ug/l	# 86
18) Methyl Acetate	4.716	43	1872	1.119	ug/l	# 70
20) Methylene Chloride	4.954	84	15161	6.203	ug/l	94
31) Cyclohexane	7.965	56	4890	1.503	ug/l	# 56
36) 1,1-Dichloropropene	7.965	75	14543	5.124	ug/l	# 52
38) Carbon Tetrachloride	7.965	117	17644	6.442	ug/l	# 19
49) 1,4-Dioxane	9.416	88	19	1.068	ug/l	# 1
76) 1,2,3-Trichloropropane	12.617	75	81461	39.904	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	81461	103.307	ug/l	# 9

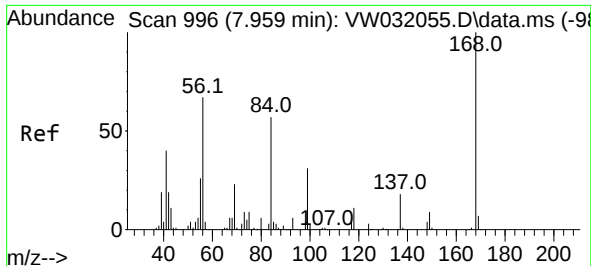
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
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MSVOA_W
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Quant Time: Aug 18 03:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

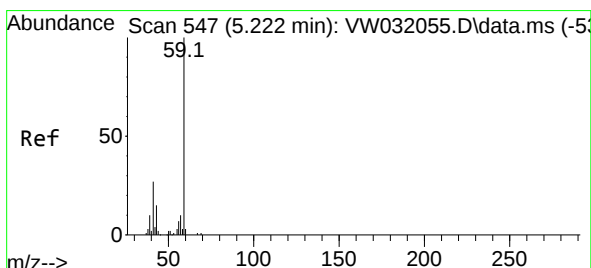
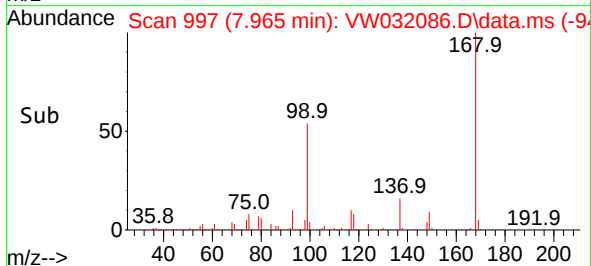
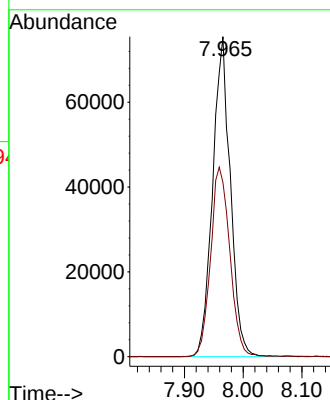
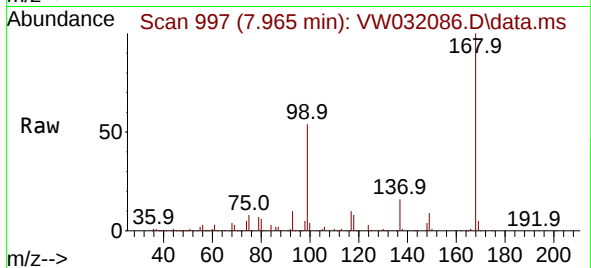




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

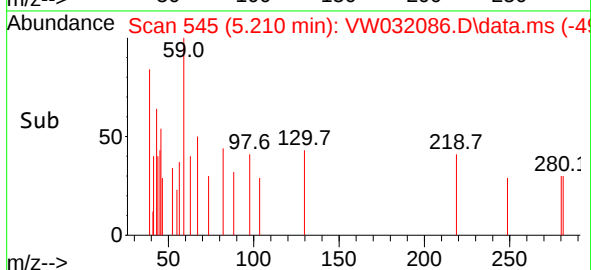
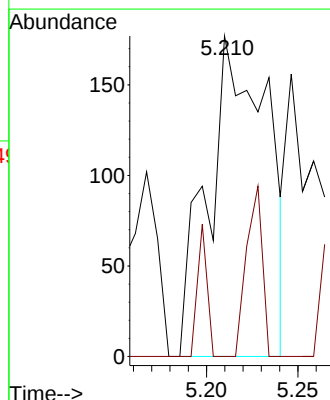
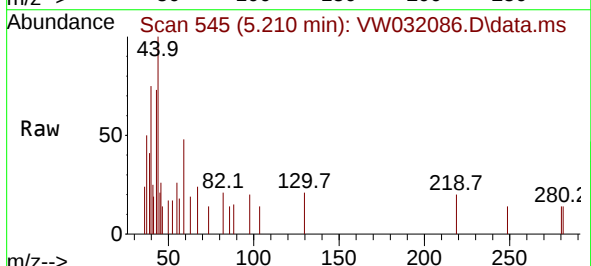
Instrument :
MSVOA_W
ClientSampleId :

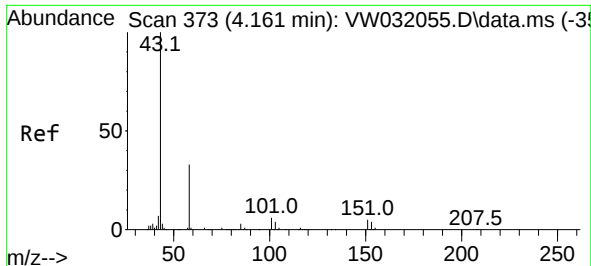
Tgt Ion:168 Resp: 157879
Ion Ratio Lower Upper
168 100
99 54.5 56.0 84.0#



#11
Tert butyl alcohol
Concen: 2.692 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 6.8 8.7 13.1#

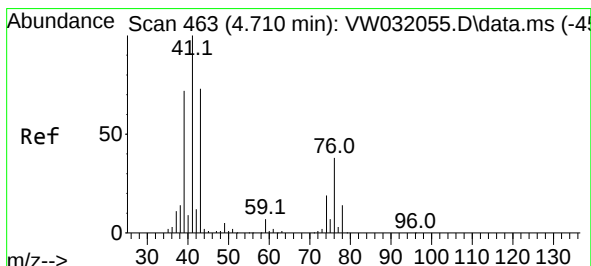
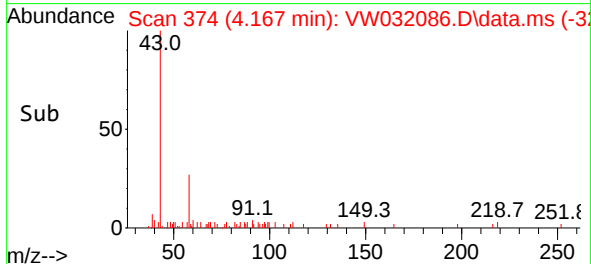
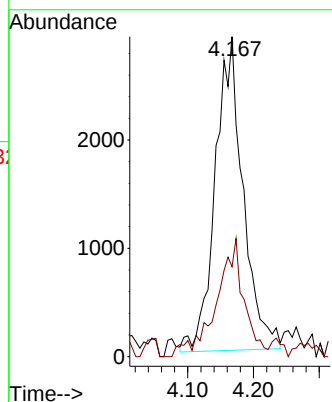
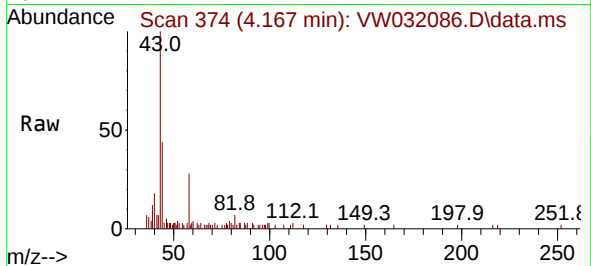




#16
Acetone
Concen: 16.137 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

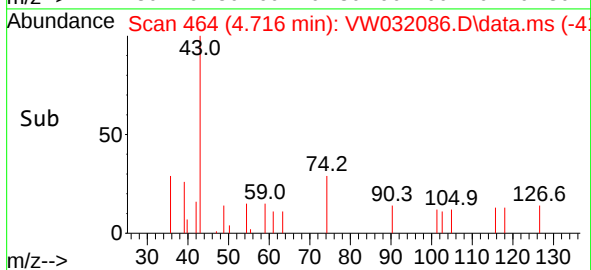
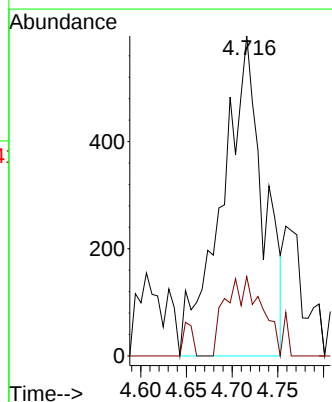
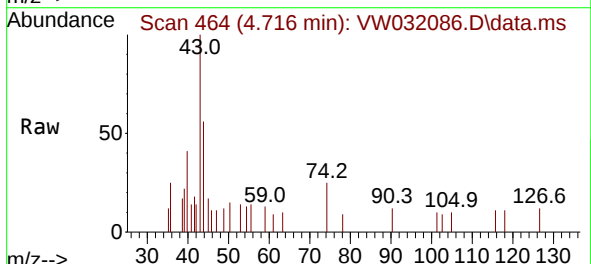
Instrument :
MSVOA_W
ClientSampleId :

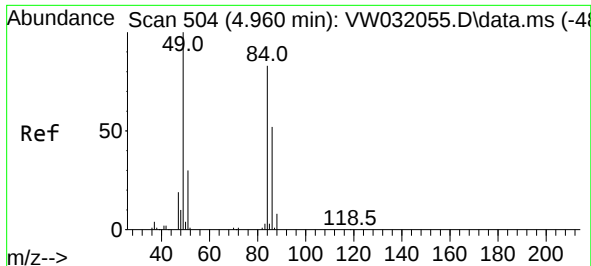
Tgt Ion: 43 Resp: 8531
Ion Ratio Lower Upper
43 100
58 25.1 26.6 39.8#



#18
Methyl Acetate
Concen: 1.119 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

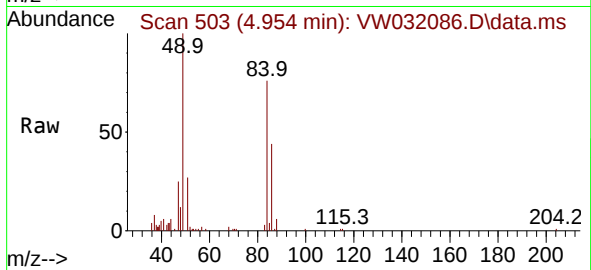
Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
74 10.4 20.6 31.0#



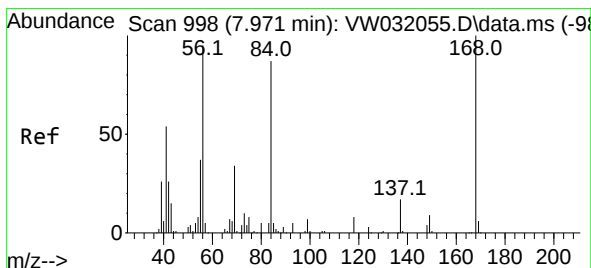
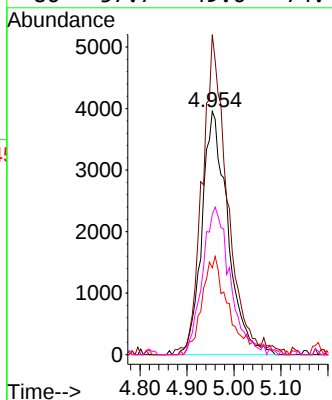
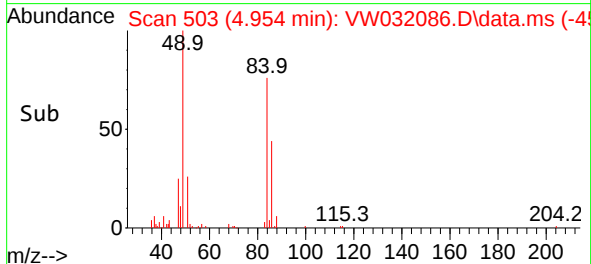


#20
Methylene Chloride
Concen: 6.203 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Instrument :
MSVOA_W
ClientSampleId :

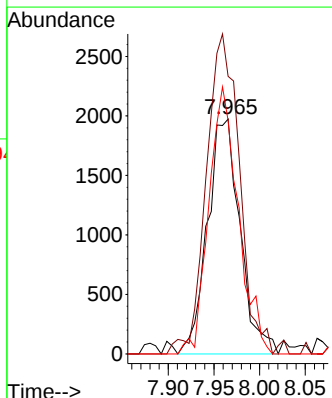
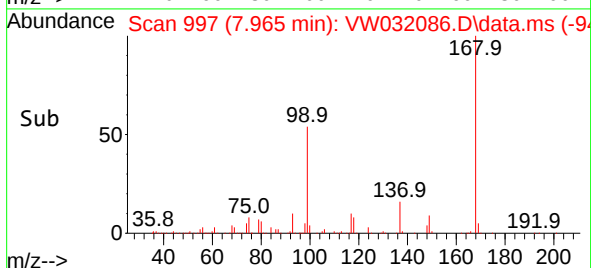
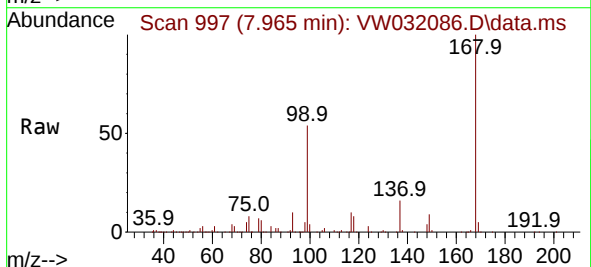


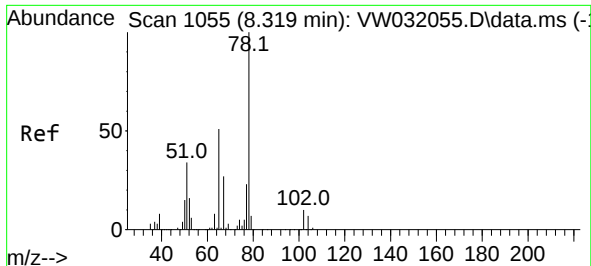
Tgt Ion:	84	Resp:	15161
Ion	Ratio	Lower	Upper
84	100		
49	129.4	95.9	143.9
51	35.7	28.6	43.0
86	57.7	49.6	74.4



#31
Cyclohexane
Concen: 1.503 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion:	56	Resp:	4890
Ion	Ratio	Lower	Upper
56	100		
69	114.7	28.6	42.8#
84	99.3	73.0	109.4





#33

1,2-Dichloroethane-d4

Concen: 57.481 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032086.D

Acq: 14 Aug 2025 12:24

Instrument :

MSVOA_W

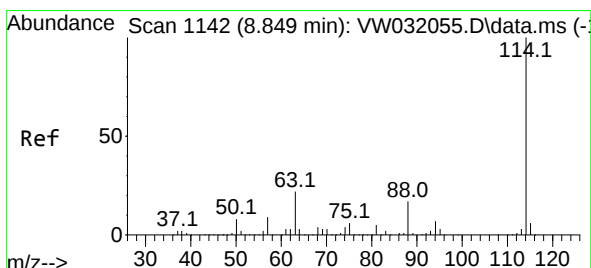
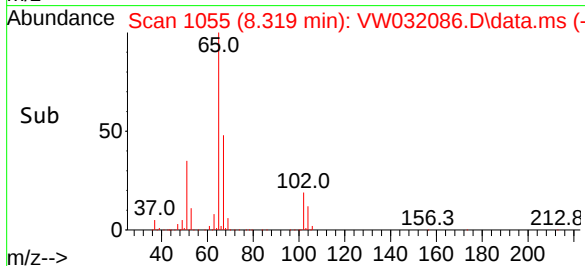
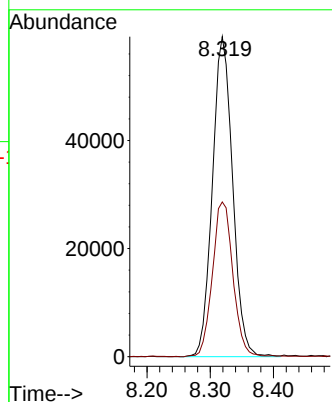
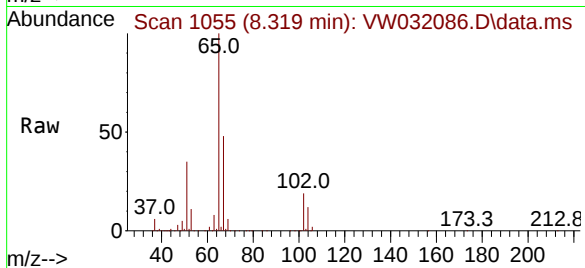
ClientSampleId :

Tgt Ion: 65 Resp: 131250

Ion Ratio Lower Upper

65 100

67 49.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032086.D

Acq: 14 Aug 2025 12:24

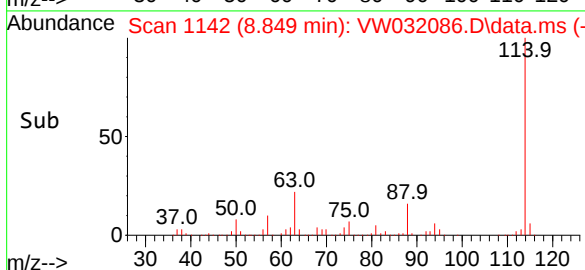
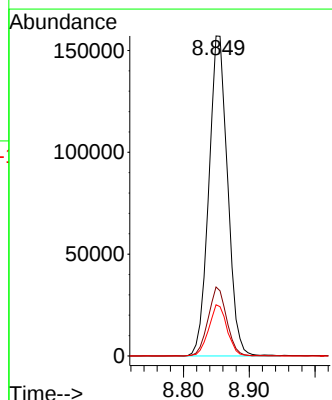
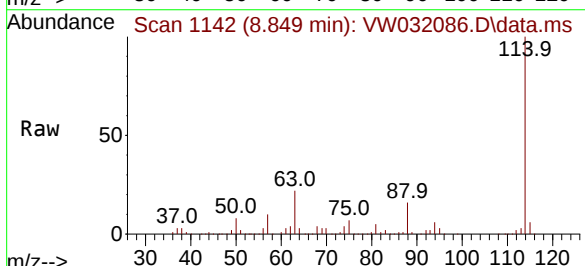
Tgt Ion: 114 Resp: 311642

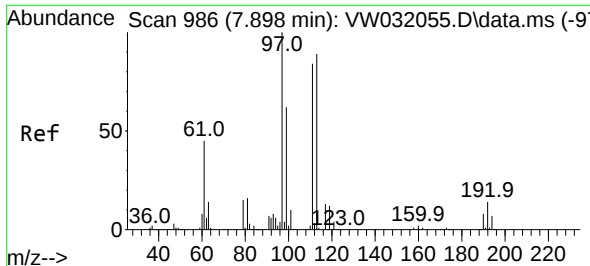
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

88 16.0 0.0 33.8

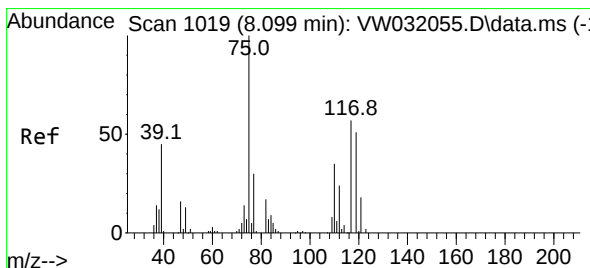
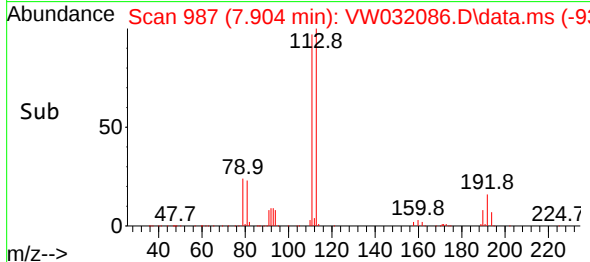
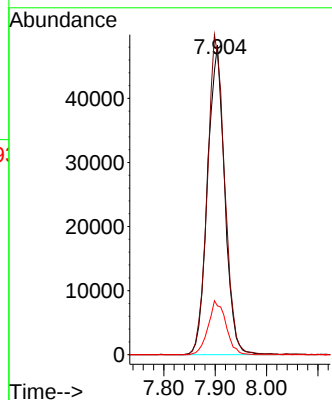
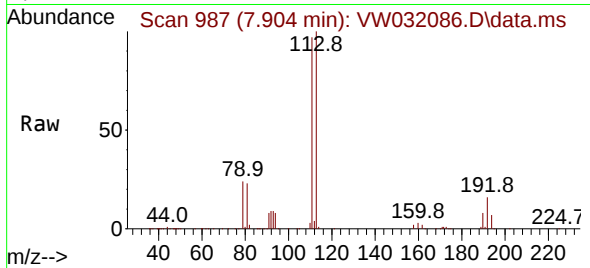




#35
Dibromofluoromethane
Concen: 55.652 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

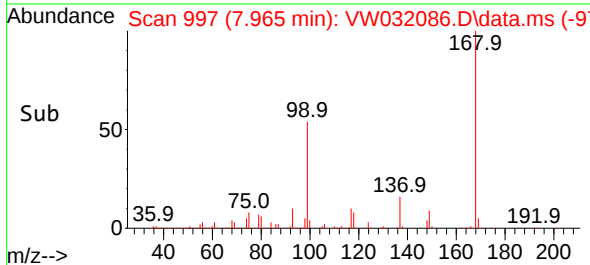
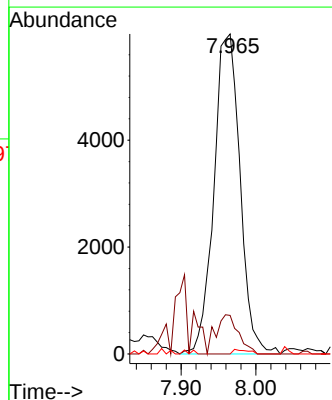
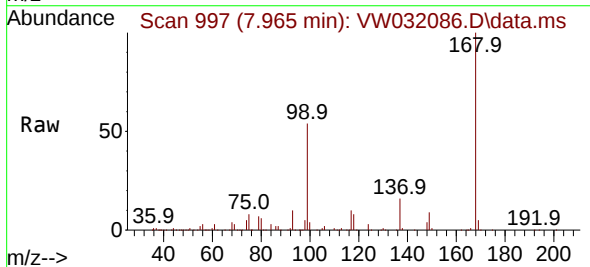
Instrument :
MSVOA_W
ClientSampleId :

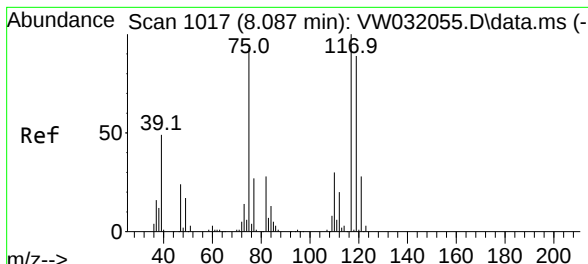
Tgt Ion:113 Resp: 112046
Ion Ratio Lower Upper
113 100
111 104.3 80.1 120.1
192 18.0 13.1 19.7



#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

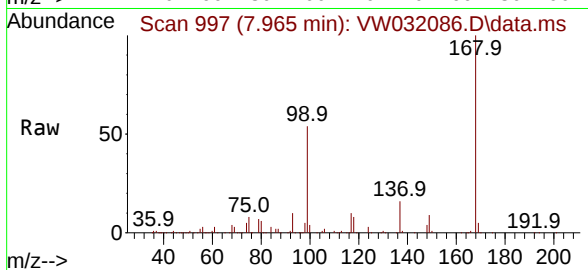
Tgt Ion: 75 Resp: 14543
Ion Ratio Lower Upper
75 100
110 10.6 17.4 52.2#
77 0.8 24.7 37.1#



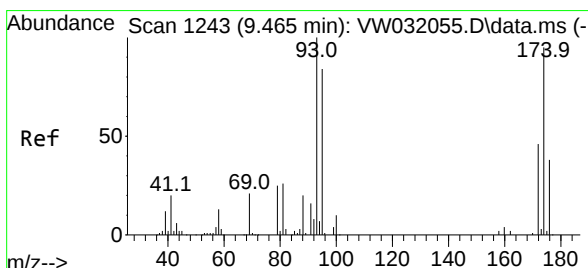
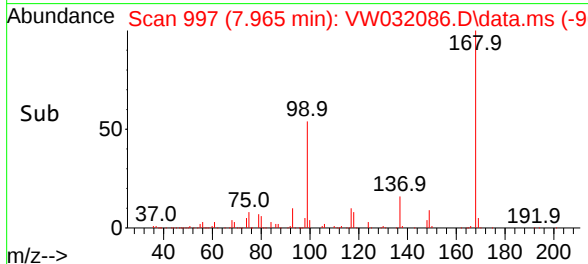
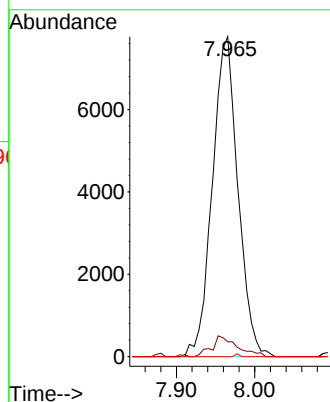


#38
Carbon Tetrachloride
Concen: 6.442 ug/l
RT: 7.965 min Scan# 91
Delta R.T. -0.122 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Instrument :
MSVOA_W
ClientSampleId :

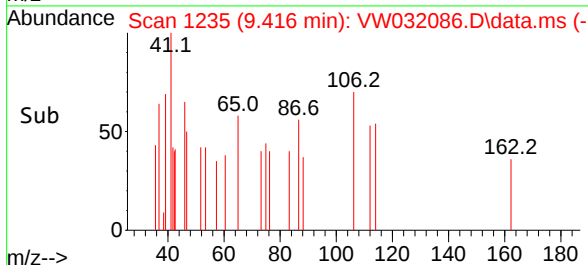
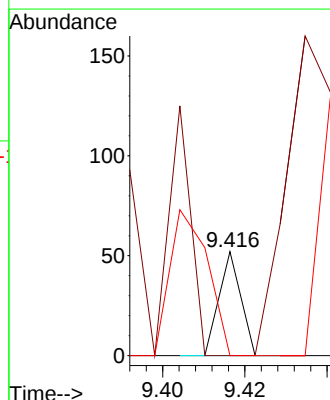
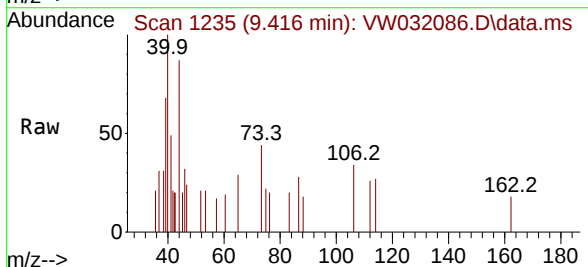


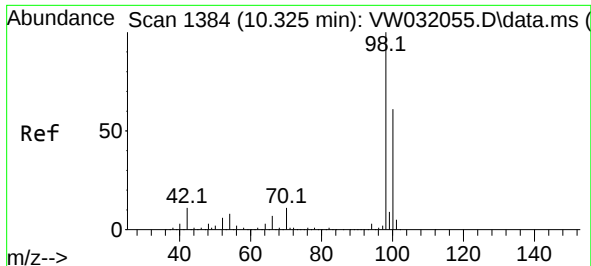
Tgt Ion:117 Resp: 17644
Ion Ratio Lower Upper
117 100
119 4.7 71.4 107.2#
121 0.0 22.3 33.5#



#49
1,4-Dioxane
Concen: 1.068 ug/l
RT: 9.416 min Scan# 1235
Delta R.T. -0.049 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 20.6 30.8#
58 242.1 60.4 90.6#

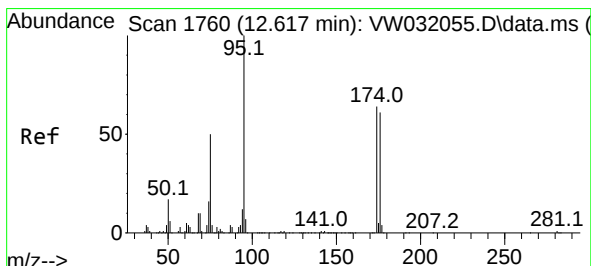
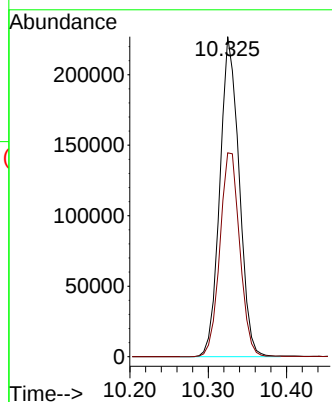
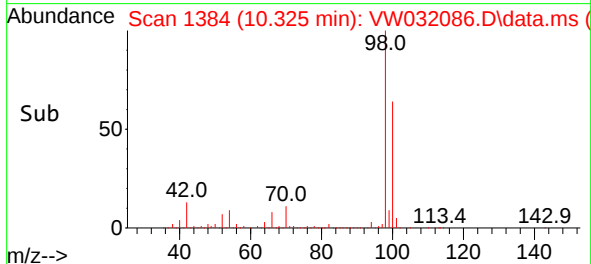
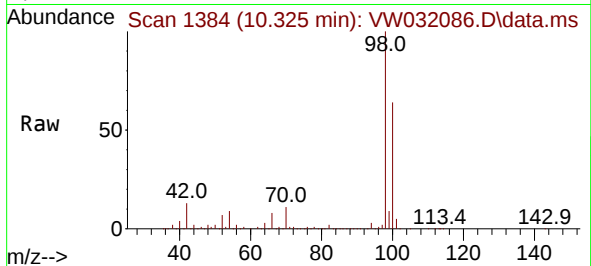




#50
Toluene-d8
Concen: 52.222 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

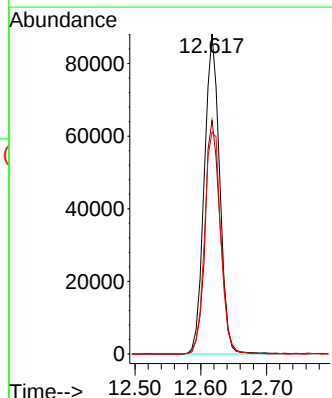
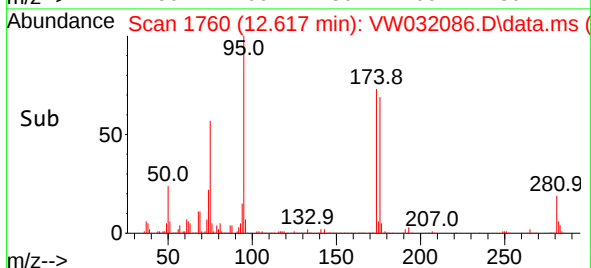
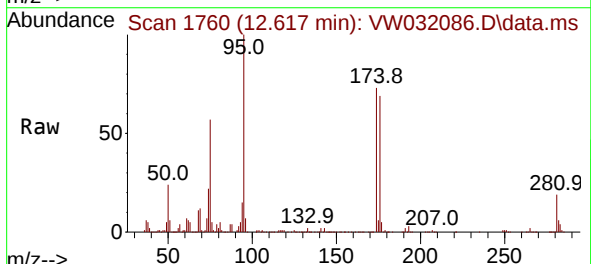
Instrument :
MSVOA_W
ClientSampleId :

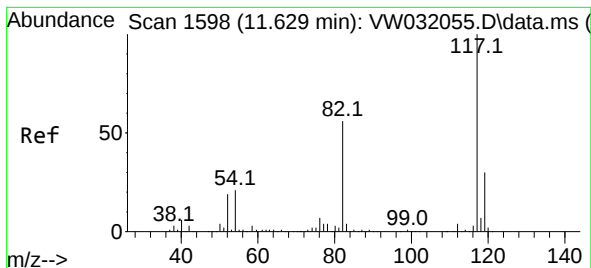
Tgt Ion: 98 Resp: 388880
Ion Ratio Lower Upper
98 100
100 65.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 52.156 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 95 Resp: 143127
Ion Ratio Lower Upper
95 100
174 72.5 0.0 129.0
176 73.1 0.0 124.6

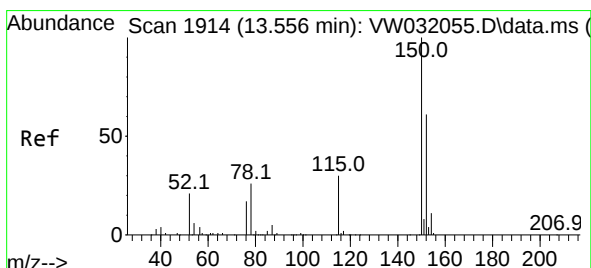
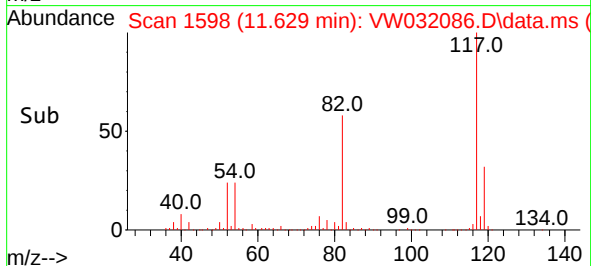
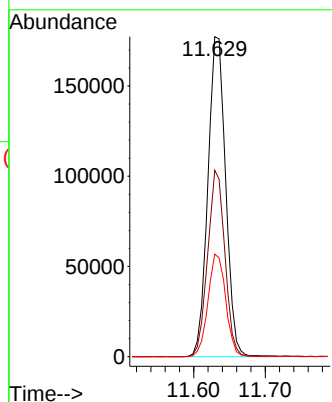
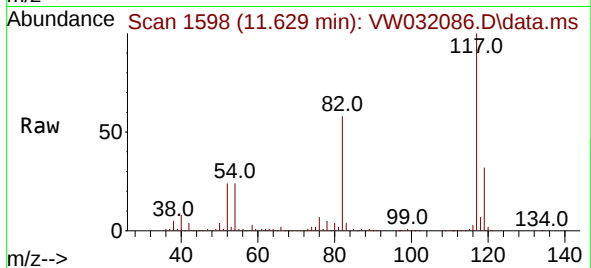




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

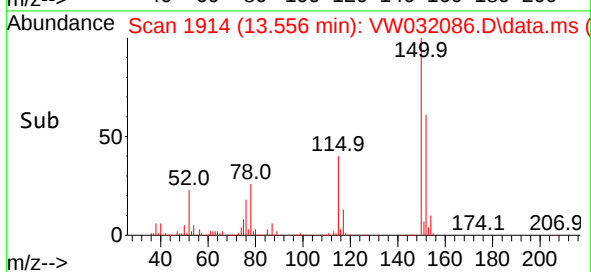
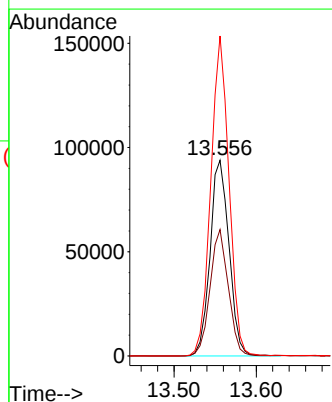
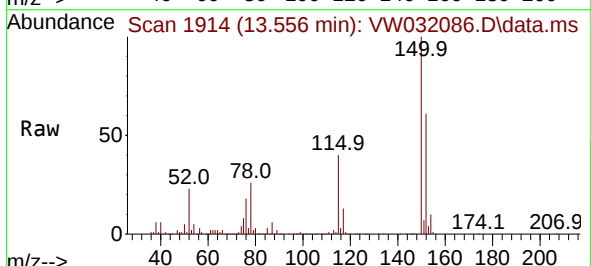
Instrument :
MSVOA_W
ClientSampleId :

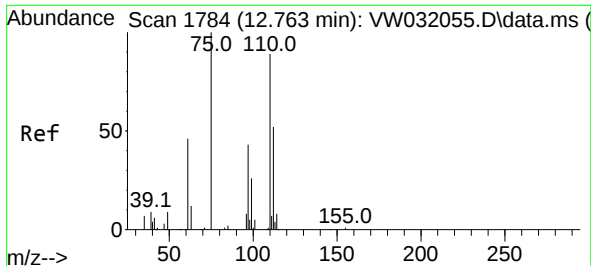
Tgt Ion:117 Resp: 306017
Ion Ratio Lower Upper
117 100
82 58.3 45.0 67.4
119 32.1 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion:152 Resp: 150411
Ion Ratio Lower Upper
152 100
115 62.3 32.6 97.8
150 156.7 0.0 359.4

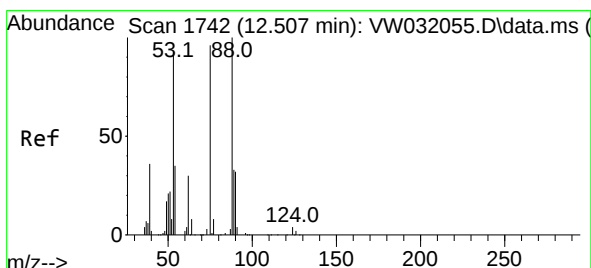
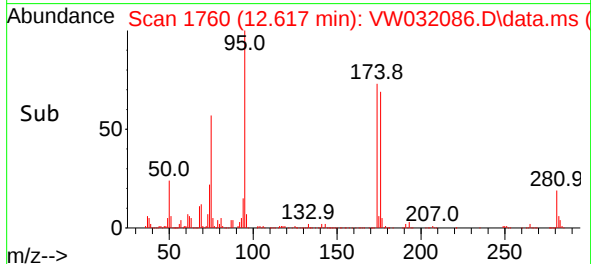
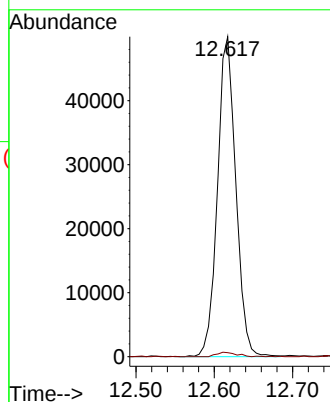
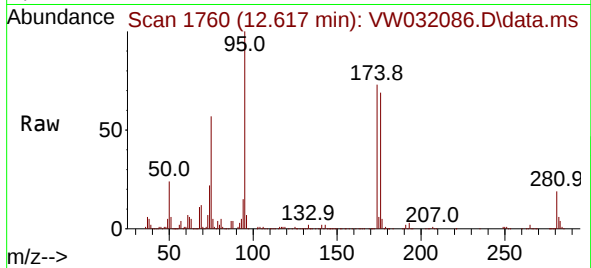




#76
1,2,3-Trichloropropane
Concen: 39.904 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 81461
Ion Ratio Lower Upper
75 100
77 1.5 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.307 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 75 Resp: 81461
Ion Ratio Lower Upper
75 100
53 0.4 81.0 121.6#
89 0.0 37.3 55.9#

