

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032099.D
 Acq On : 14 Aug 2025 17:17
 Operator : SY/MD
 Sample : Q2820-16
 Misc : 6.08g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 18 03:55:43 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)

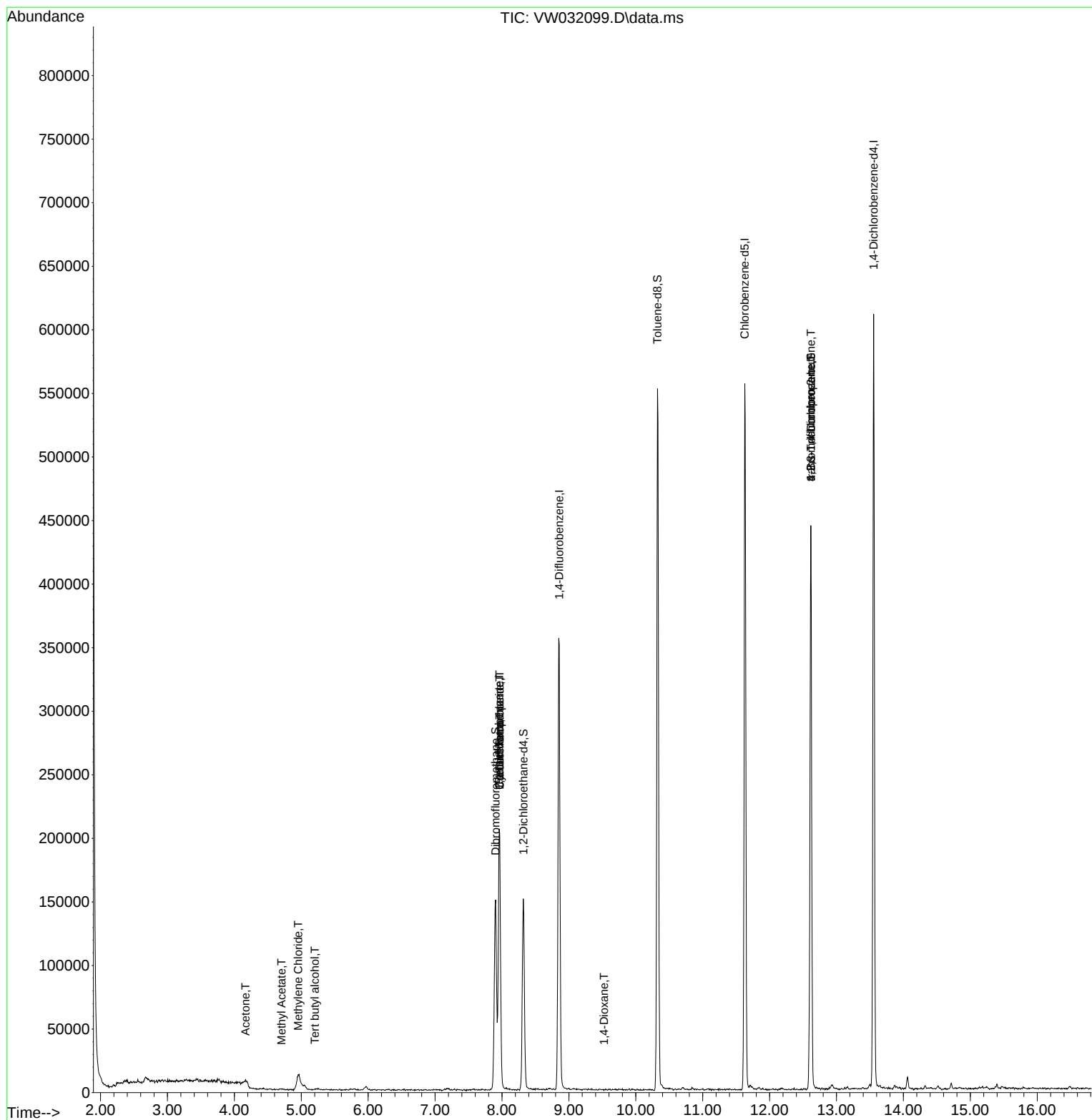
Internal Standards						
1) Pentafluorobenzene	7.959	168	140424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	293737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	291999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	143336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121097	59.626	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 119.260%			
35) Dibromofluoromethane	7.904	113	104532	55.085	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 110.160%			
50) Toluene-d8	10.324	98	354525	50.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.617	95	133098	51.458	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.920%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.203	59	184	1.399	ug/l #	1
16) Acetone	4.167	43	2899	6.165	ug/l #	81
18) Methyl Acetate	4.704	43	1803	1.212	ug/l #	76
20) Methylene Chloride	4.953	84	11068	5.091	ug/l	92
31) Cyclohexane	7.965	56	4260	1.472	ug/l #	30
36) 1,1-Dichloropropene	7.965	75	13537	5.060	ug/l #	52
38) Carbon Tetrachloride	7.965	117	16409	6.356	ug/l #	20
49) 1,4-Dioxane	9.526	88	44	2.625	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	76045	39.090	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	76045	101.199	ug/l #	9

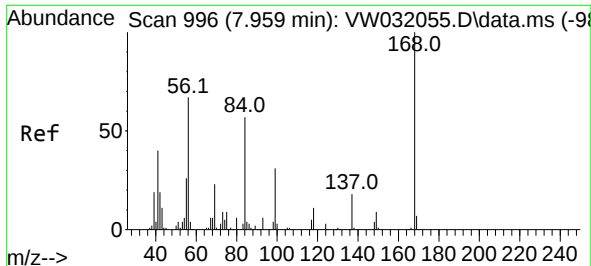
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032099.D
Acq On : 14 Aug 2025 17:17
Operator : SY/MD
Sample : Q2820-16
Misc : 6.08g/5mL/MSVOA_W/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Aug 18 03:55:43 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

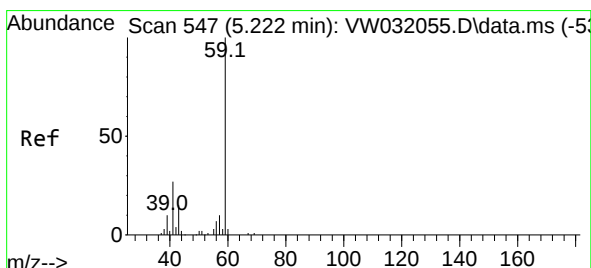
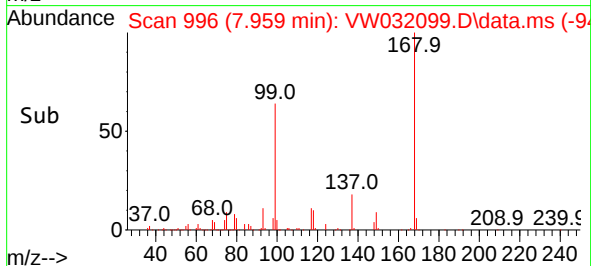
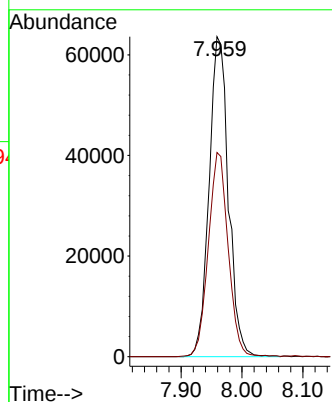
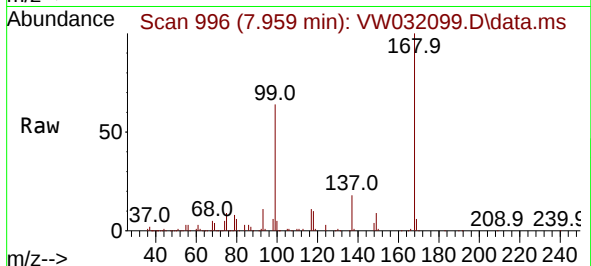




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

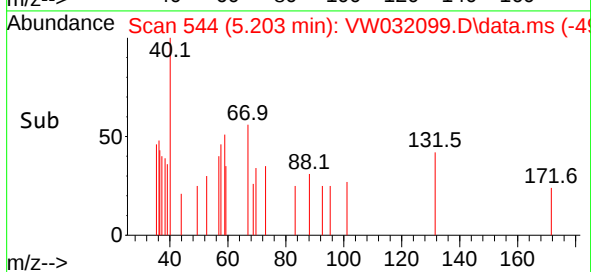
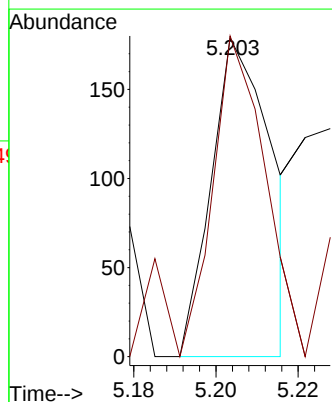
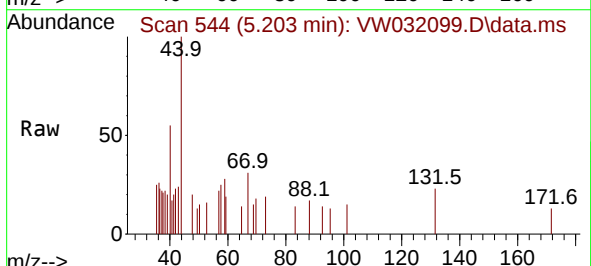
Instrument :
MSVOA_W
ClientSampleId :

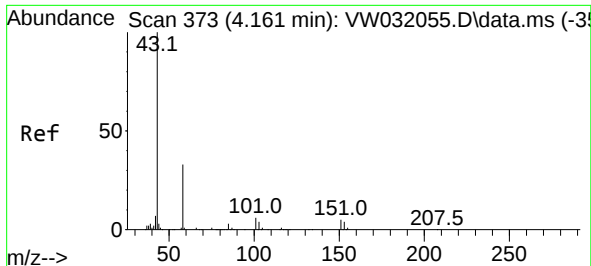
Tgt Ion:168 Resp: 140424
Ion Ratio Lower Upper
168 100
99 63.7 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.399 ug/l
RT: 5.203 min Scan# 544
Delta R.T. -0.019 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 85.9 8.7 13.1#

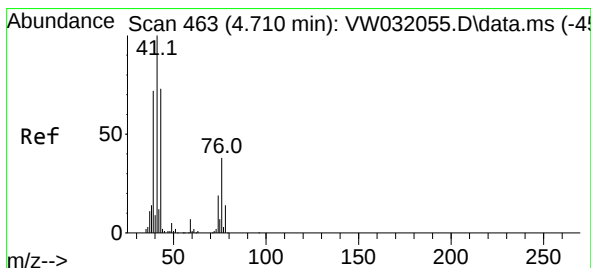
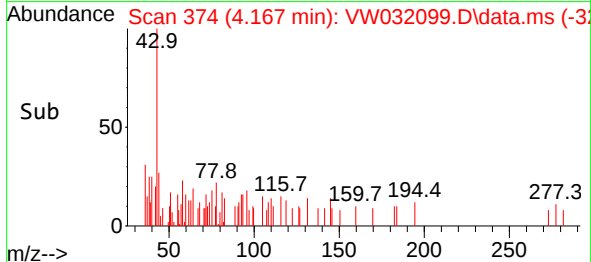
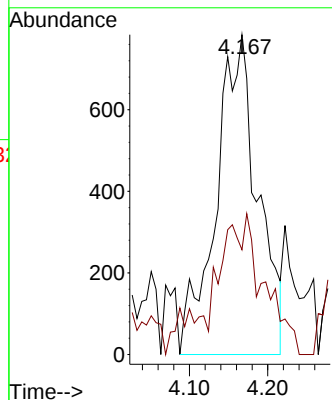
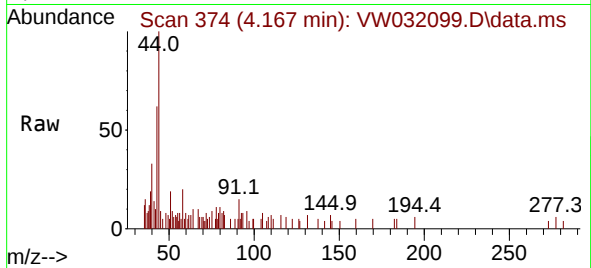




#16
Acetone
Concen: 6.165 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

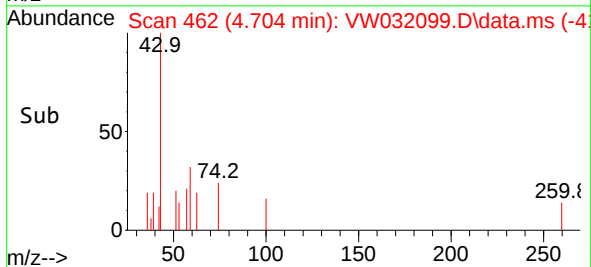
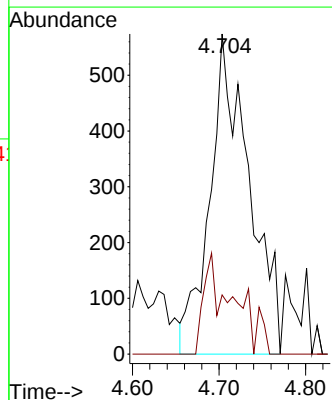
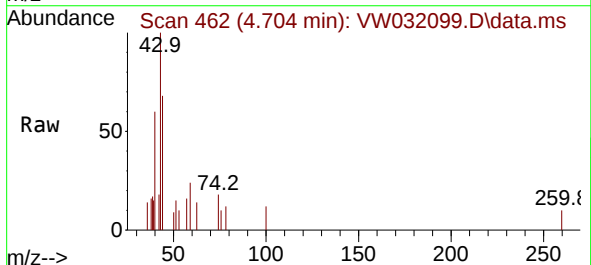
Instrument :
MSVOA_W
ClientSampleId :

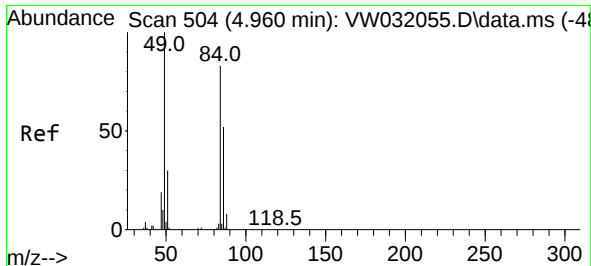
Tgt Ion: 43 Resp: 2899
Ion Ratio Lower Upper
43 100
58 22.4 26.6 39.8#



#18
Methyl Acetate
Concen: 1.212 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion: 43 Resp: 1803
Ion Ratio Lower Upper
43 100
74 13.6 20.6 31.0#

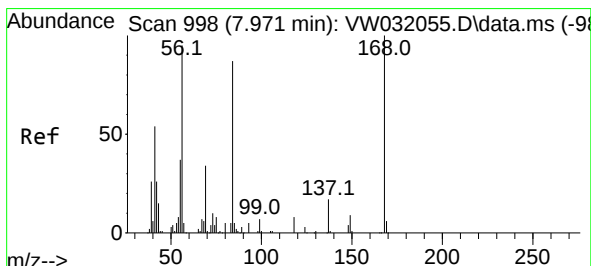
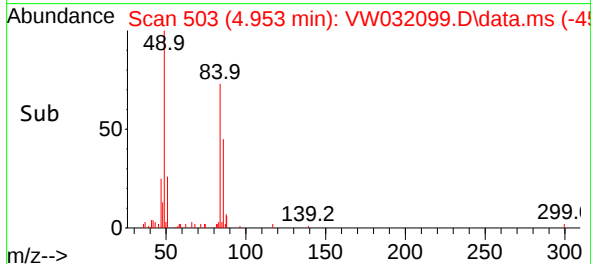
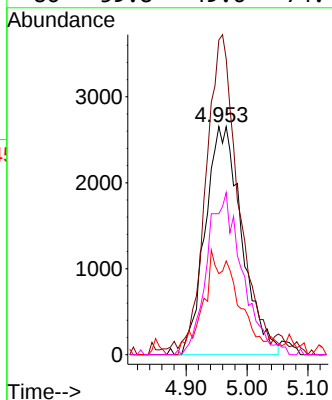
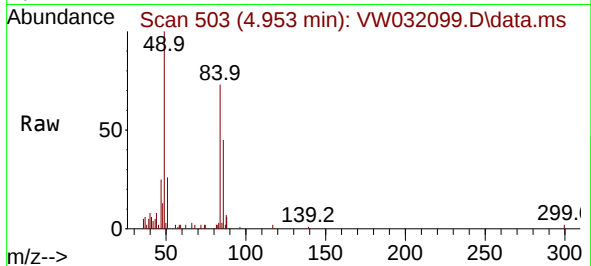




#20
Methylene Chloride
Concen: 5.091 ug/l
RT: 4.953 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

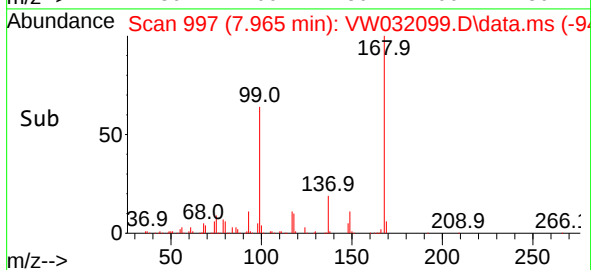
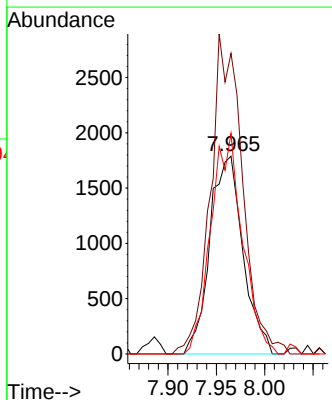
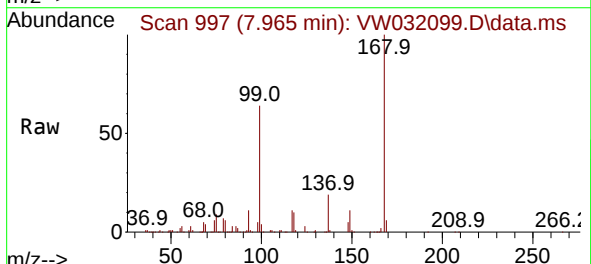
Instrument :
MSVOA_W
ClientSampleId :

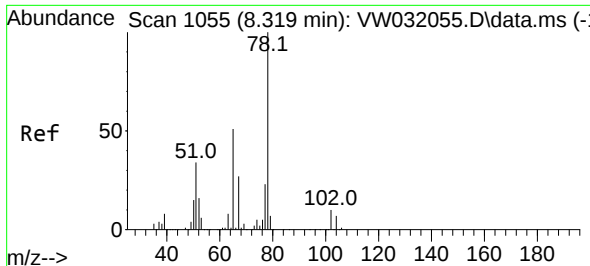
Tgt Ion: 84	Resp: 11068
Ion Ratio	Lower Upper
84 100	
49 135.2	95.9 143.9
51 35.5	28.6 43.0
86 59.8	49.6 74.4



#31
Cyclohexane
Concen: 1.472 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion: 56	Resp: 4260		
Ion Ratio	Lower	Upper	
56	100		
69	148.9	28.6	42.8#
84	111.5	73.0	109.4#





#33

1,2-Dichloroethane-d4

Concen: 59.626 ug/l

RT: 8.319 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VW032099.D

Acq: 14 Aug 2025 17:17

Instrument :

MSVOA_W

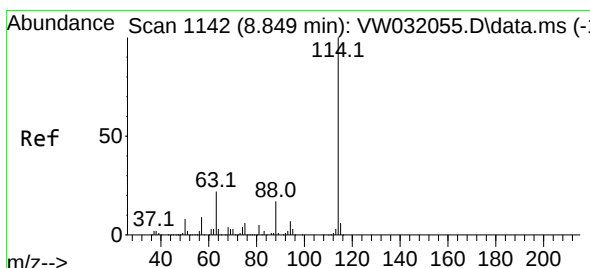
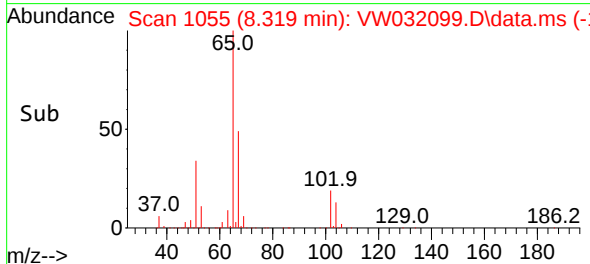
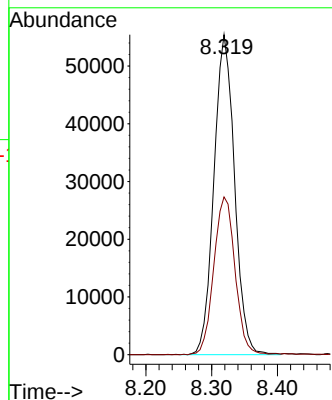
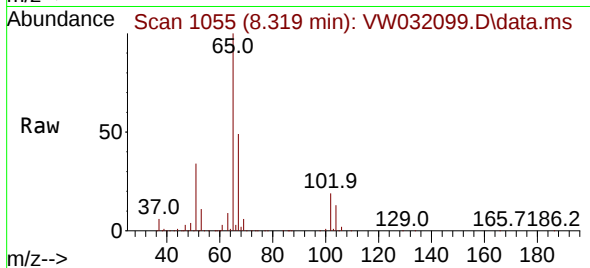
ClientSampleId :

Tgt Ion: 65 Resp: 121097

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032099.D

Acq: 14 Aug 2025 17:17

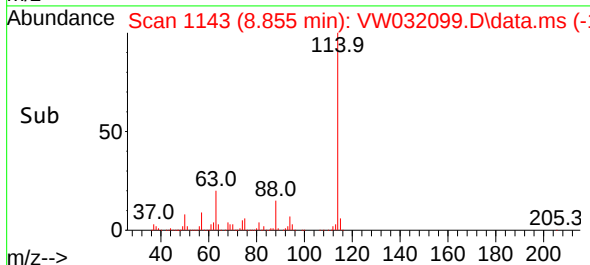
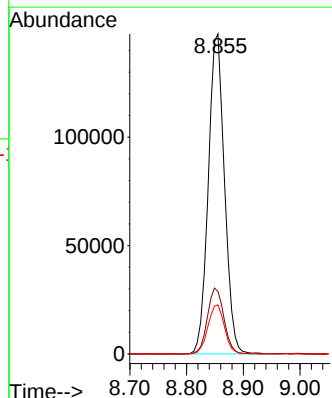
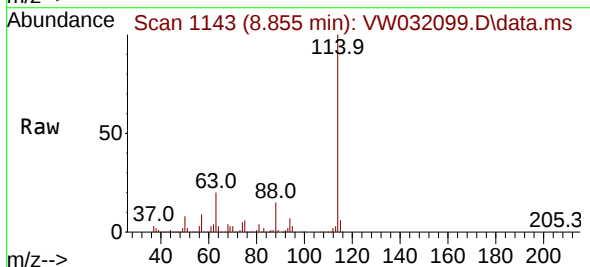
Tgt Ion: 114 Resp: 293737

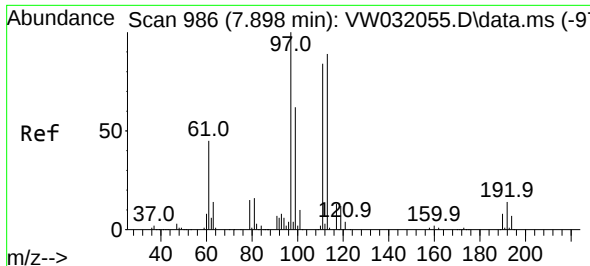
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.0

88 15.4 0.0 33.8

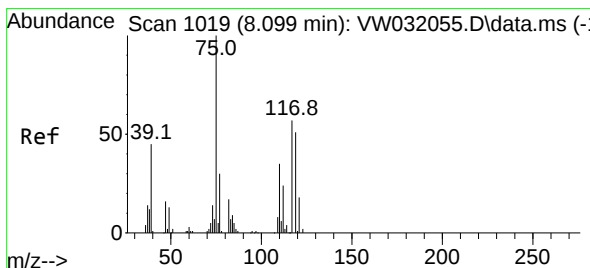
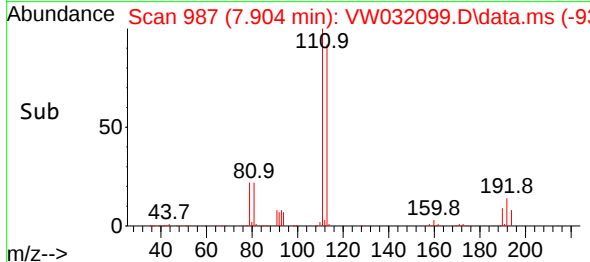
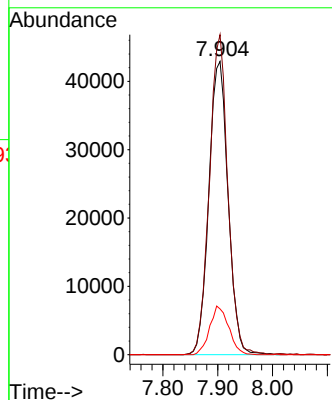
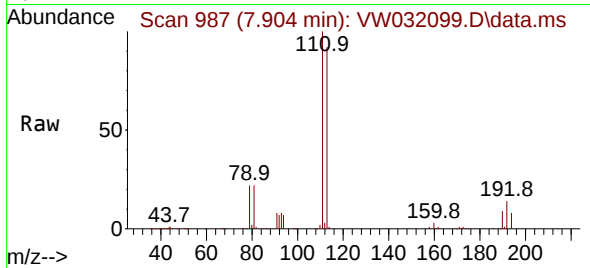




#35
 Dibromofluoromethane
 Concen: 55.085 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VW032099.D
 Acq: 14 Aug 2025 17:17

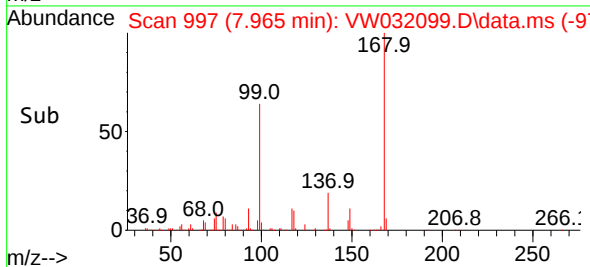
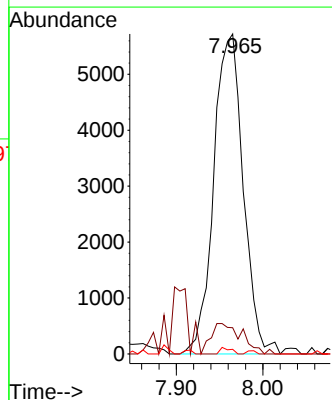
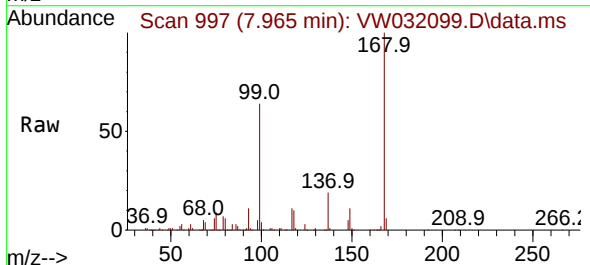
Instrument :
 MSVOA_W
 ClientSampleId :

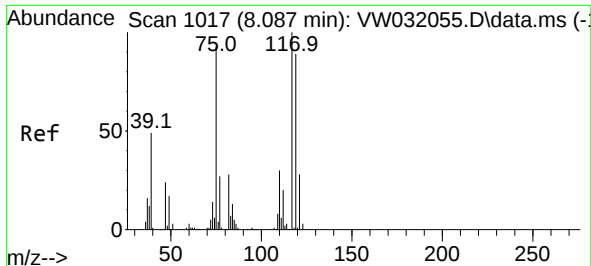
Tgt Ion:113 Resp: 104532
 Ion Ratio Lower Upper
 113 100
 111 104.8 80.1 120.1
 192 16.4 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 5.060 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032099.D
 Acq: 14 Aug 2025 17:17

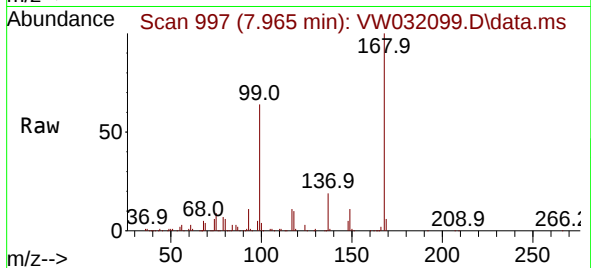
Tgt Ion: 75 Resp: 13537
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.4 52.2#
 77 0.7 24.7 37.1#



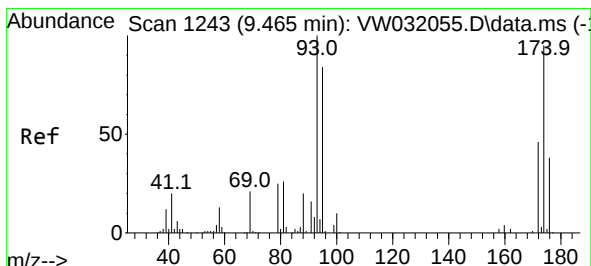
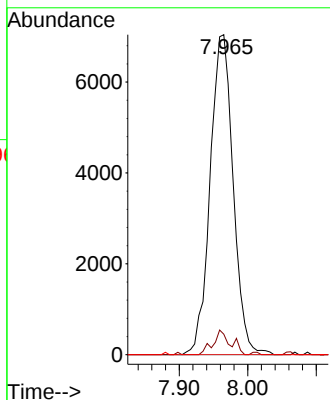
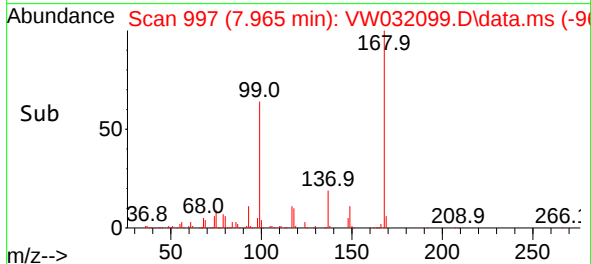


#38
Carbon Tetrachloride
Concen: 6.356 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Instrument :
MSVOA_W
ClientSampleId :

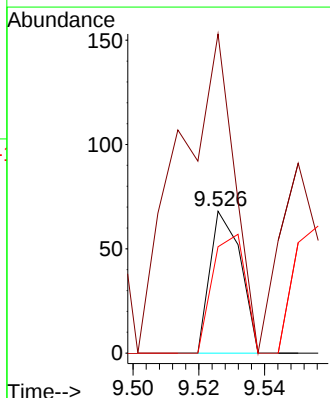
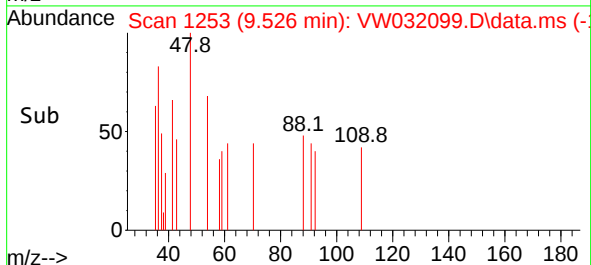
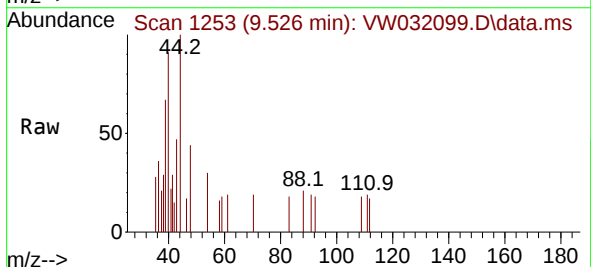


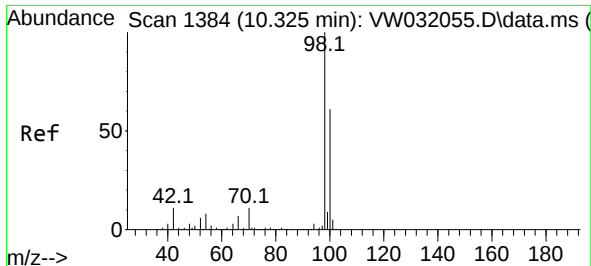
Tgt Ion:117 Resp: 16409
Ion Ratio Lower Upper
117 100
119 6.4 71.4 107.2#
121 0.0 22.3 33.5#



#49
1,4-Dioxane
Concen: 2.625 ug/l
RT: 9.526 min Scan# 1253
Delta R.T. 0.061 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 409.1 20.6 30.8#
58 90.9 60.4 90.6#

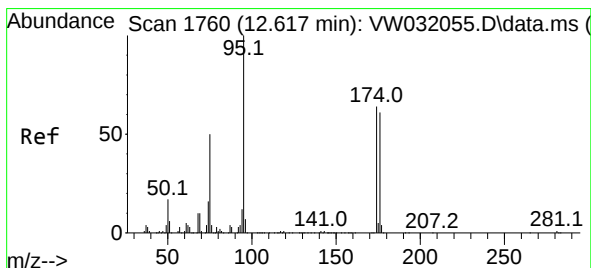
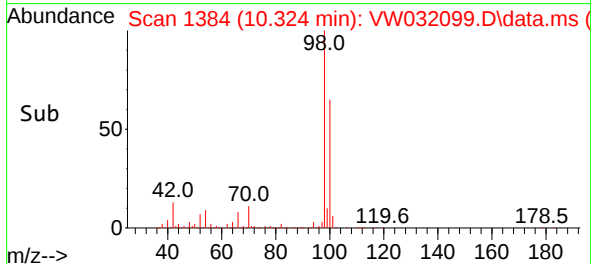
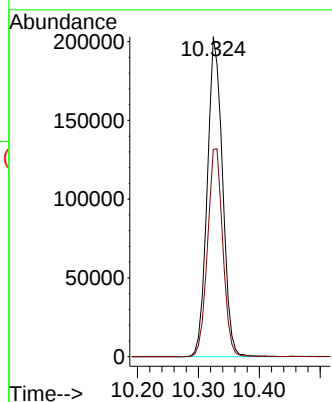
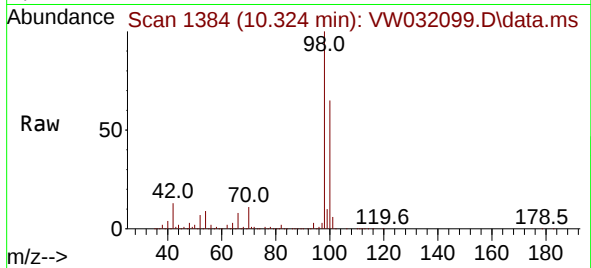




#50
Toluene-d8
Concen: 50.510 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

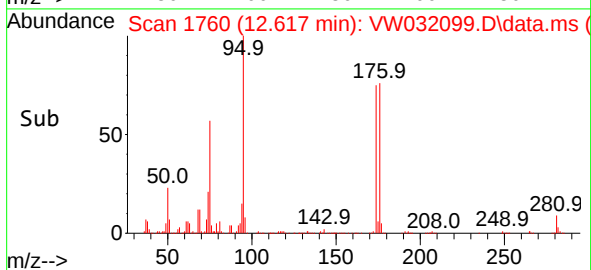
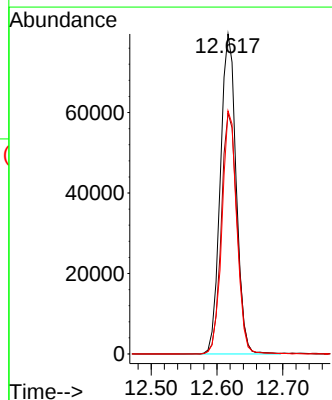
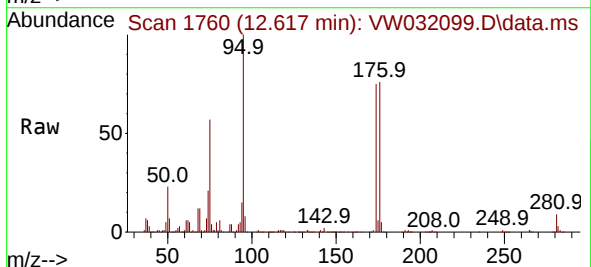
Instrument :
MSVOA_W
ClientSampleId :

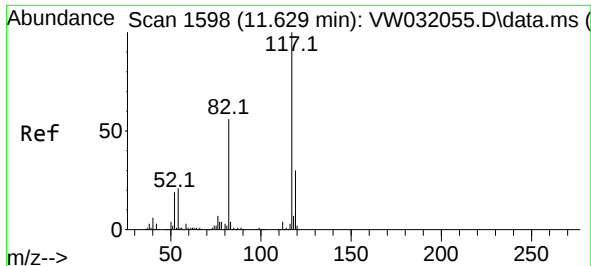
Tgt Ion: 98 Resp: 354525
Ion Ratio Lower Upper
98 100
100 64.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 51.458 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

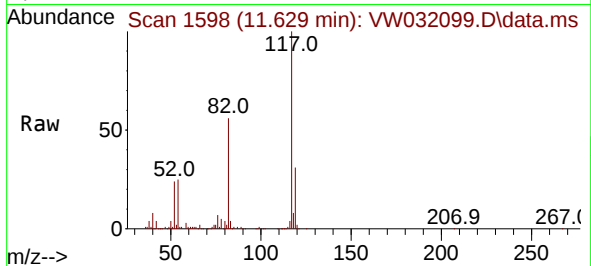
Tgt Ion: 95 Resp: 133098
Ion Ratio Lower Upper
95 100
174 75.2 0.0 129.0
176 71.5 0.0 124.6



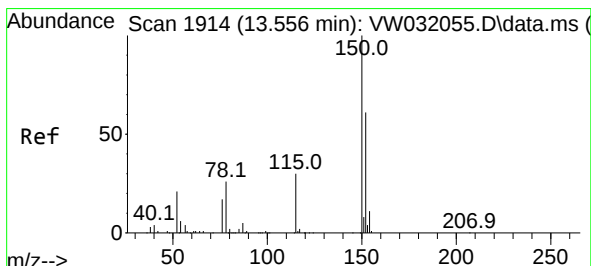
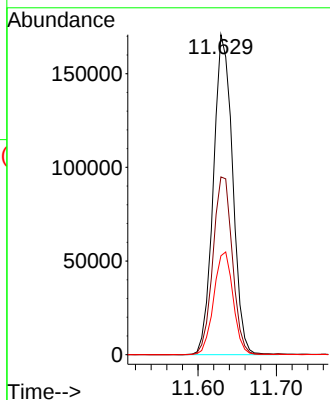
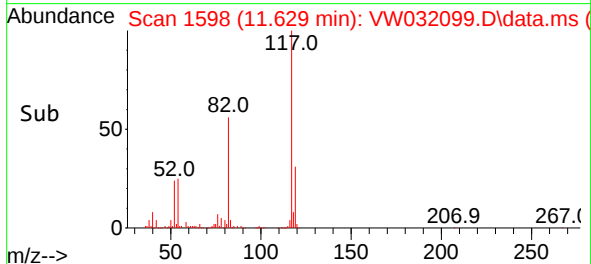


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Instrument :
MSVOA_W
ClientSampleId :

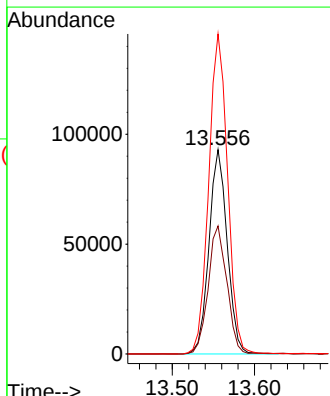
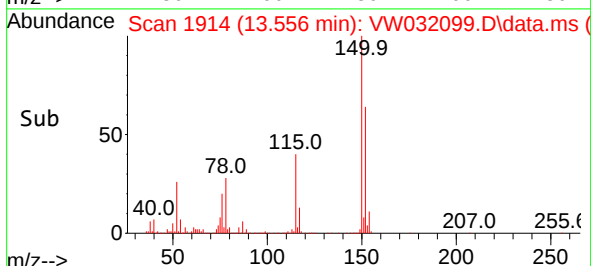
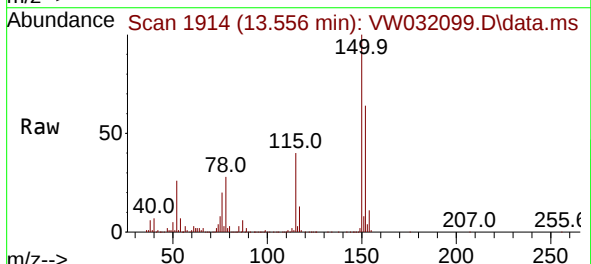


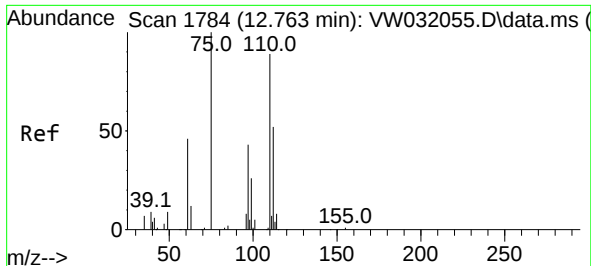
Tgt Ion:117 Resp: 291999
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 30.9 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion:152 Resp: 143336
Ion Ratio Lower Upper
152 100
115 64.4 32.6 97.8
150 161.9 0.0 359.4

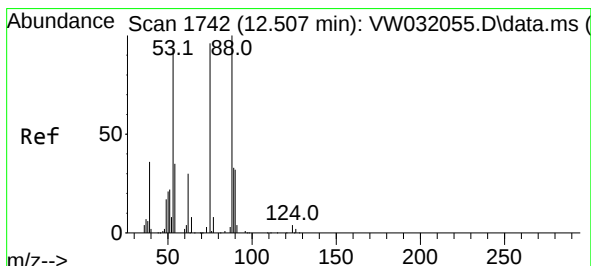
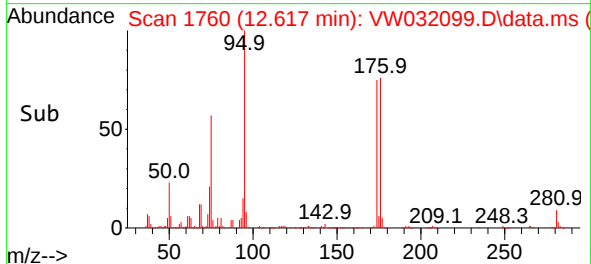
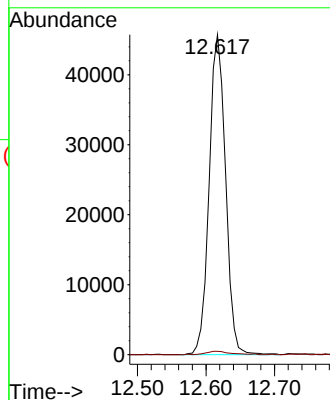
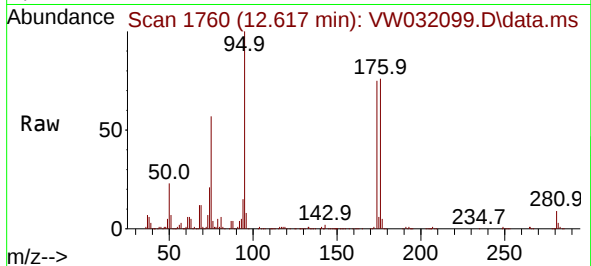




#76
1,2,3-Trichloropropane
Concen: 39.090 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 76045
Ion Ratio Lower Upper
75 100
77 1.6 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.199 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.109 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion: 75 Resp: 76045
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.6#
89 0.4 37.3 55.9#

