

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032095.D
 Acq On : 14 Aug 2025 15:47
 Operator : SY/MD
 Sample : Q2820-12
 Misc : 6.37g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 18 03:54:08 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	146756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	291552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	294933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140579	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121261	57.131	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	114.260%
35) Dibromofluoromethane	7.898	113	107032	56.825	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	113.640%
50) Toluene-d8	10.331	98	352920	50.659	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.320%
62) 4-Bromofluorobenzene	12.617	95	129815	50.565	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.120%

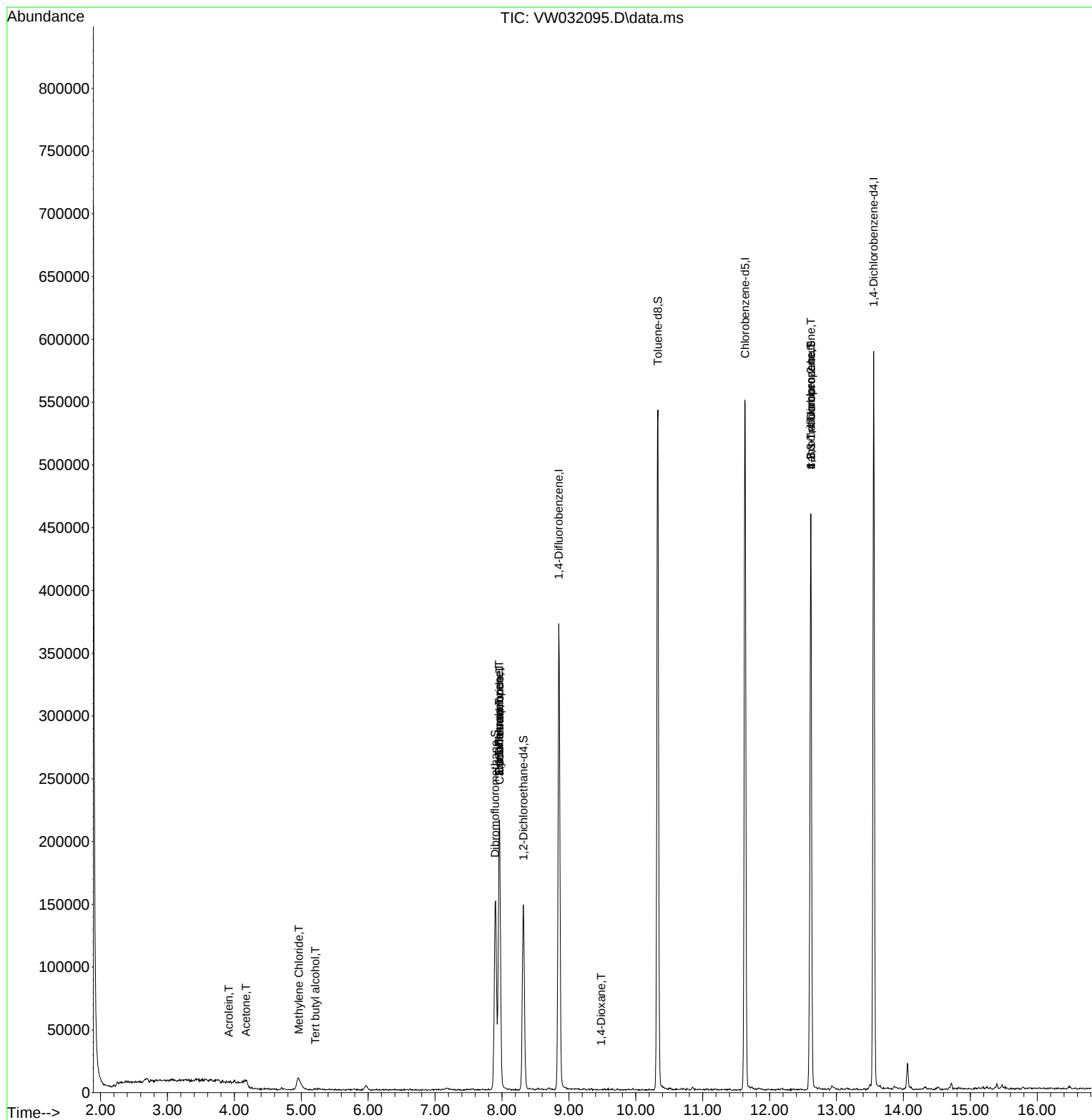
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.210	59	214	1.557	ug/l #	1
13) Acrolein	3.917	56	453	2.069	ug/l #	67
16) Acetone	4.173	43	2465	5.016	ug/l #	70
20) Methylene Chloride	4.966	84	8992	3.958	ug/l	92
31) Cyclohexane	7.959	56	4458	1.474	ug/l #	52
36) 1,1-Dichloropropene	7.959	75	13864	5.221	ug/l #	50
38) Carbon Tetrachloride	7.965	117	17021	6.642	ug/l #	19
49) 1,4-Dioxane	9.483	88	22	1.322	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	72822	38.167	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	72822	98.811	ug/l #	9

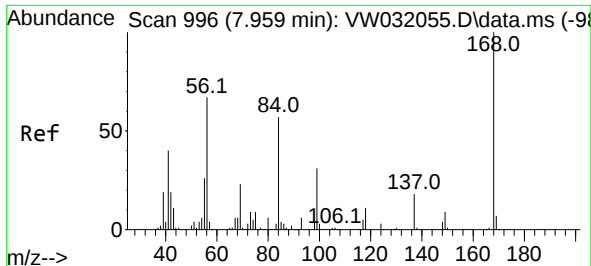
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
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Quant Time: Aug 18 03:54:08 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

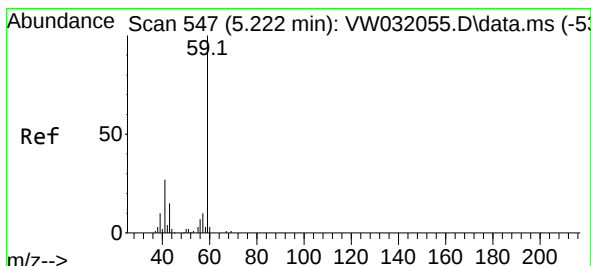
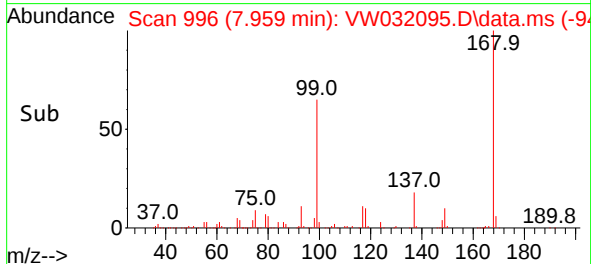
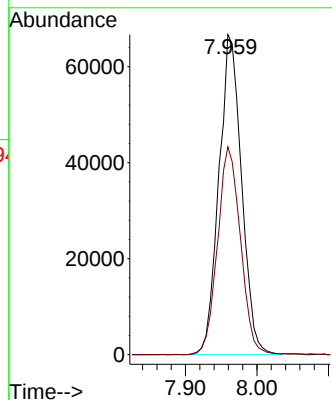
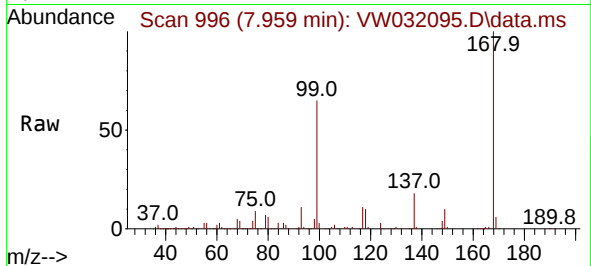




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

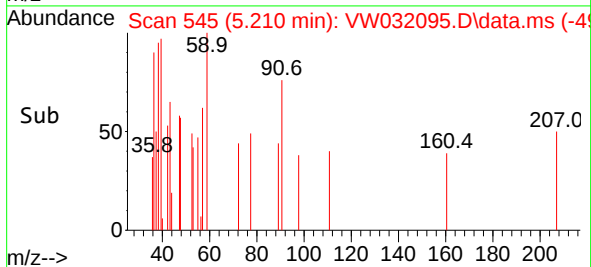
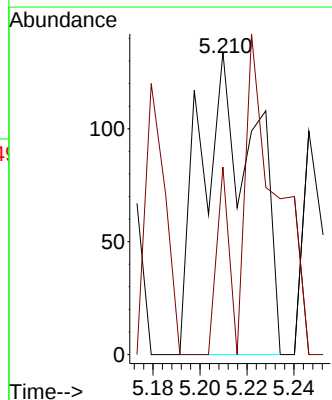
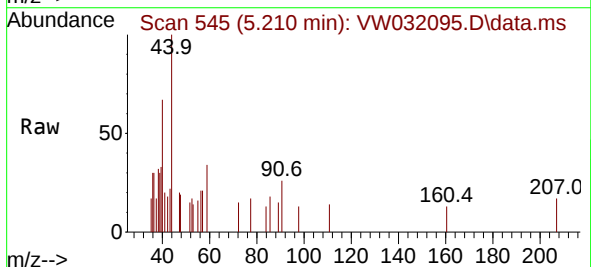
Instrument :
MSVOA_W
ClientSampleId :

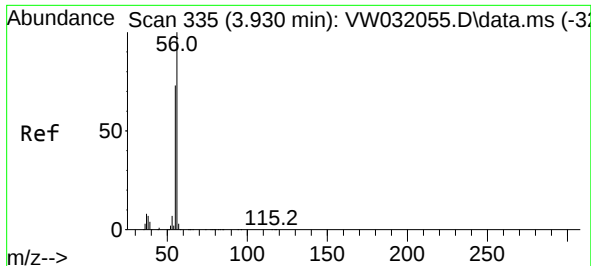
Tgt Ion:168 Resp: 146756
Ion Ratio Lower Upper
168 100
99 64.9 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.557 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 74.8 8.7 13.1#

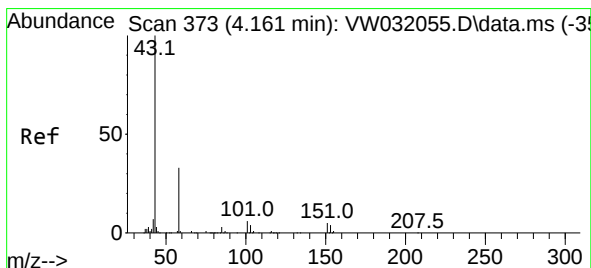
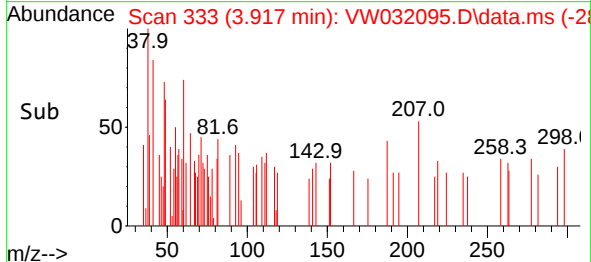
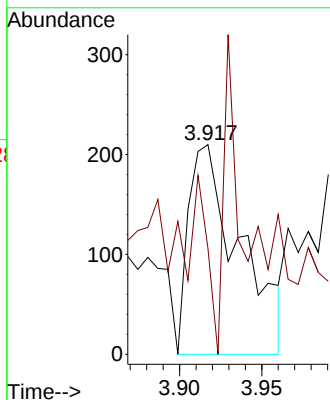
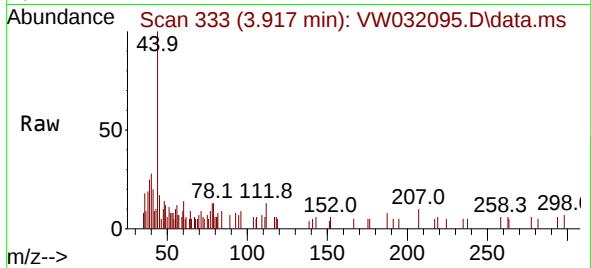




#13
Acrolein
Concen: 2.069 ug/l
RT: 3.917 min Scan# 335
Delta R.T. -0.012 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

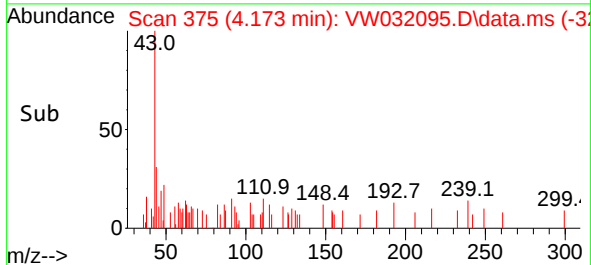
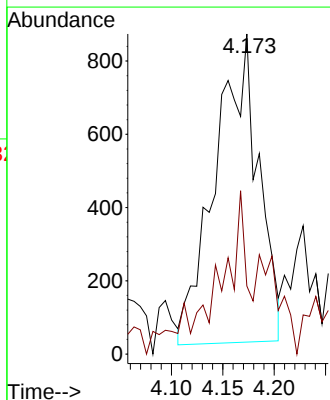
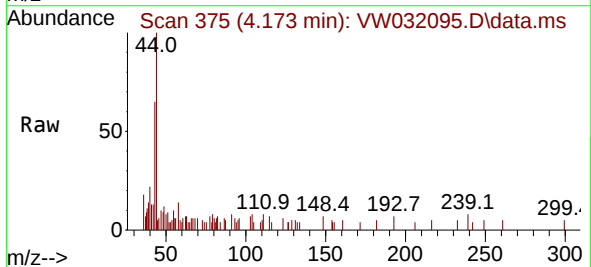
Instrument :
MSVOA_W
ClientSampleId :

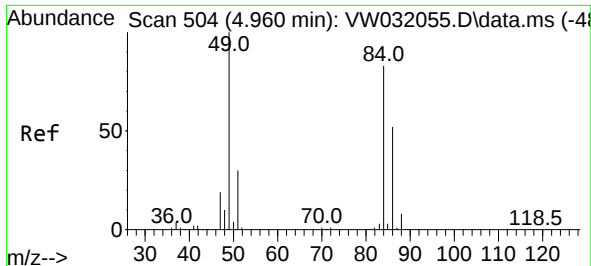
Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 42.6 55.4 83.2#



#16
Acetone
Concen: 5.016 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

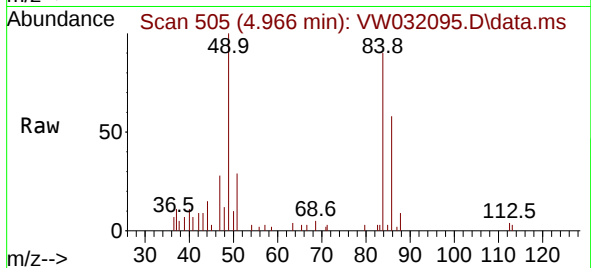
Tgt Ion: 43 Resp: 2465
Ion Ratio Lower Upper
43 100
58 16.1 26.6 39.8#



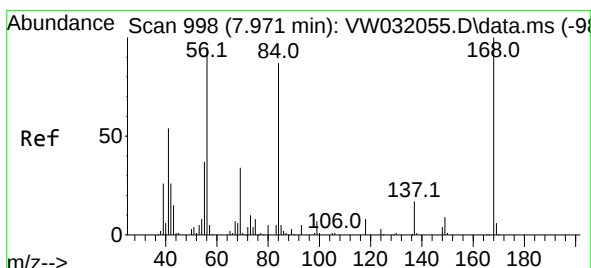
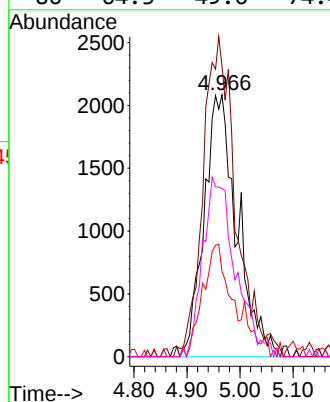
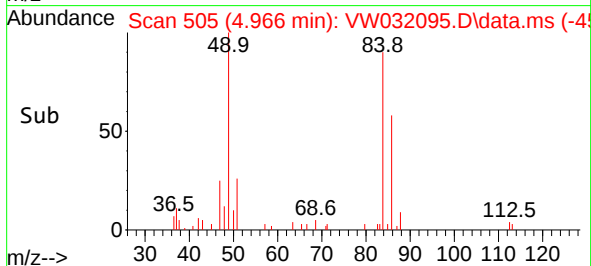


#20
Methylene Chloride
Concen: 3.958 ug/l
RT: 4.966 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Instrument :
MSVOA_W
ClientSampleId :

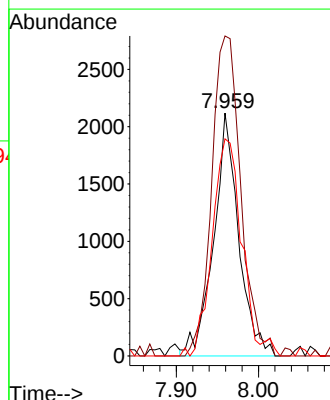
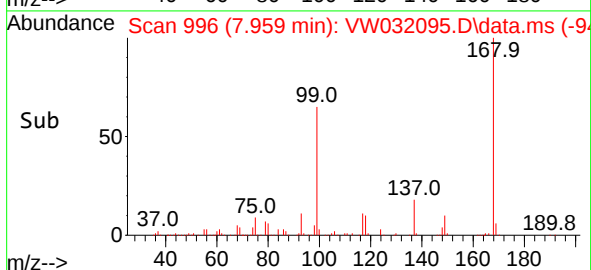
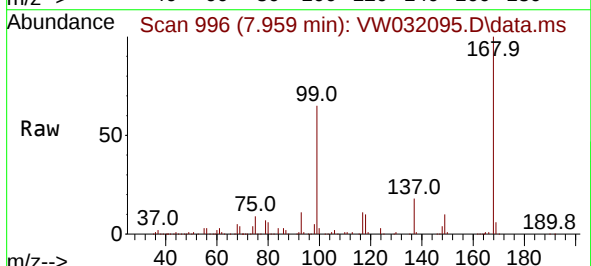


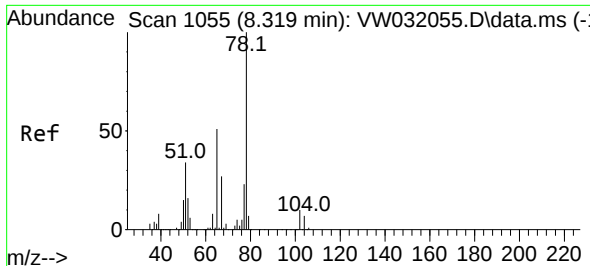
Tgt Ion:	84	Resp:	8992
Ion	Ratio	Lower	Upper
84	100		
49	108.2	95.9	143.9
51	32.7	28.6	43.0
86	64.3	49.6	74.4



#31
Cyclohexane
Concen: 1.474 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion:	56	Resp:	4458
Ion	Ratio	Lower	Upper
56	100		
69	131.8	28.6	42.8#
84	89.4	73.0	109.4





#33

1,2-Dichloroethane-d4

Concen: 57.131 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032095.D

Acq: 14 Aug 2025 15:47

Instrument :

MSVOA_W

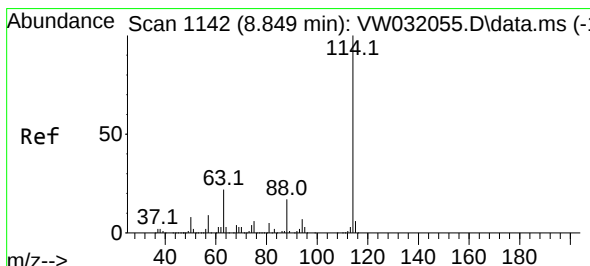
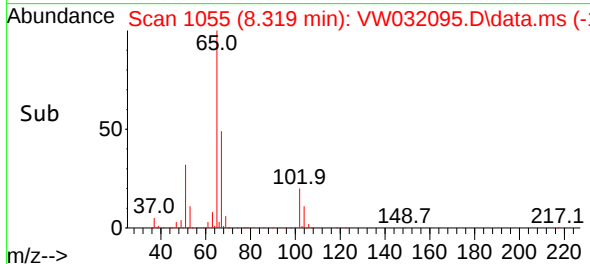
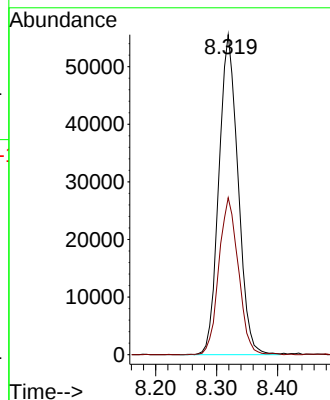
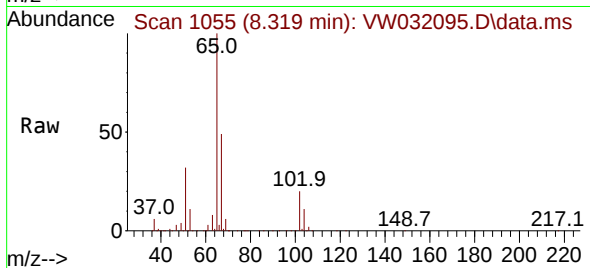
ClientSampleId :

Tgt Ion: 65 Resp: 121261

Ion Ratio Lower Upper

65 100

67 50.0 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: VW032095.D

Acq: 14 Aug 2025 15:47

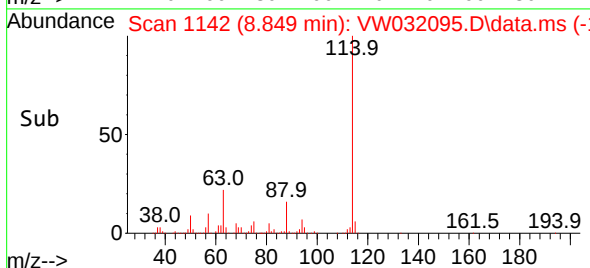
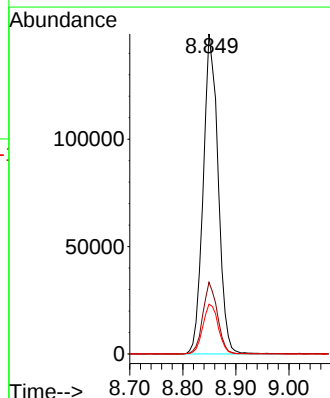
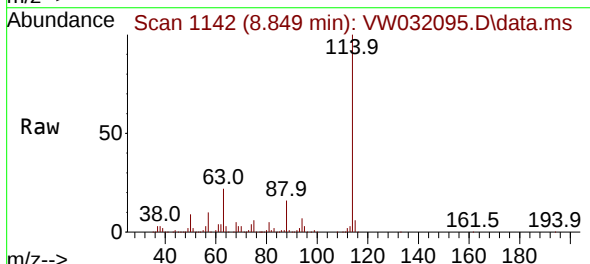
Tgt Ion: 114 Resp: 291552

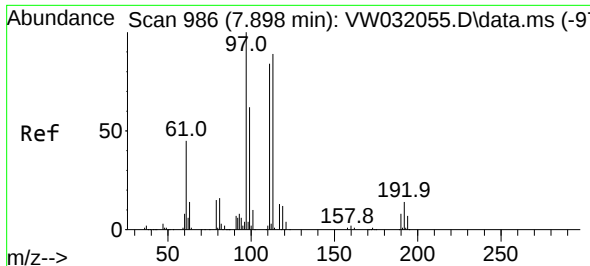
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.0

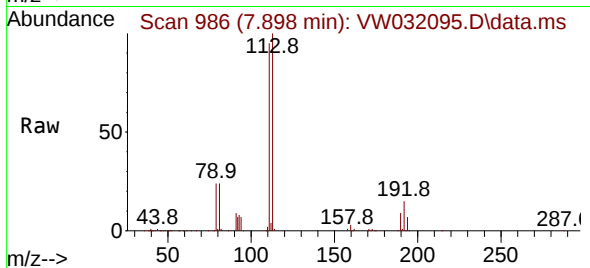
88 15.5 0.0 33.8



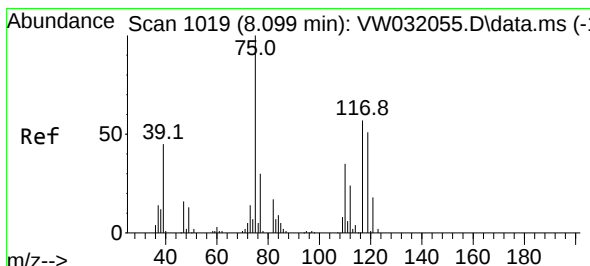
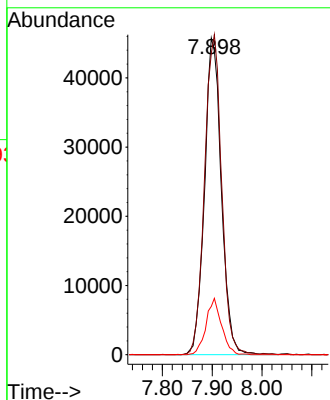
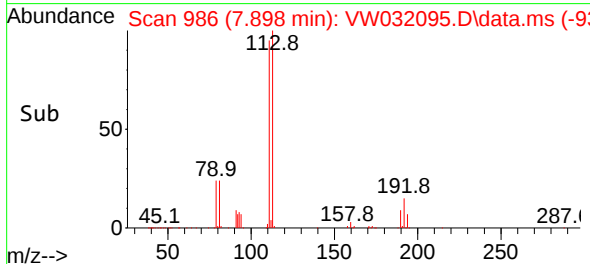


#35
Dibromofluoromethane
Concen: 56.825 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Instrument :
MSVOA_W
ClientSampleId :

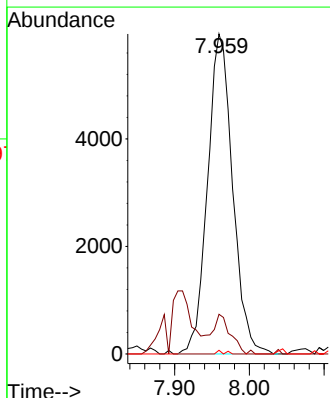
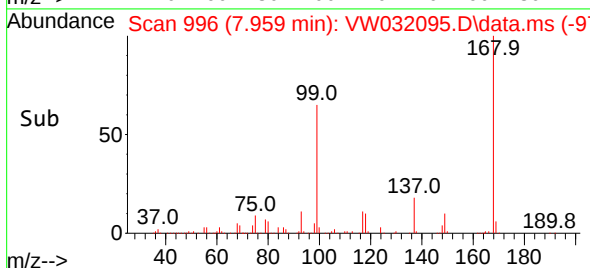
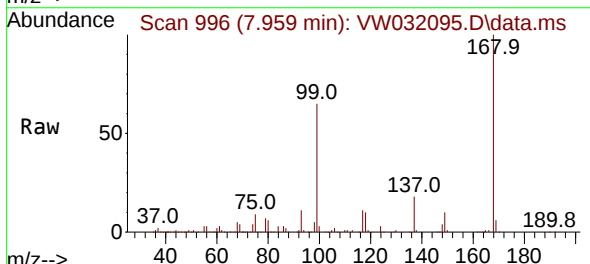


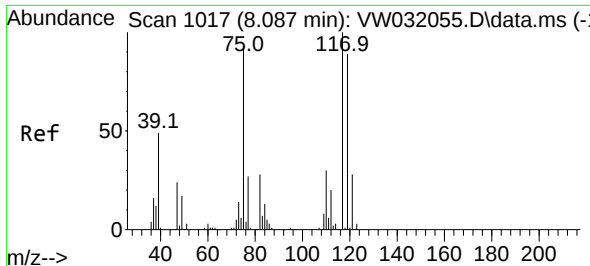
Tgt Ion:113 Resp: 107032
Ion Ratio Lower Upper
113 100
111 102.7 80.1 120.1
192 16.5 13.1 19.7



#36
1,1-Dichloropropene
Concen: 5.221 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

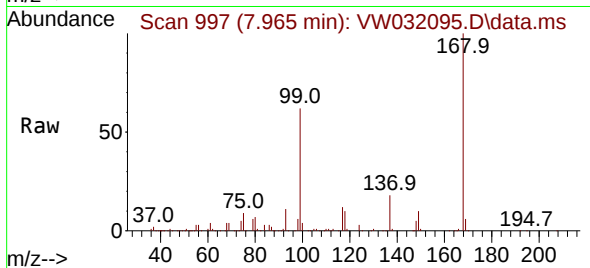
Tgt Ion: 75 Resp: 13864
Ion Ratio Lower Upper
75 100
110 8.8 17.4 52.2#
77 0.3 24.7 37.1#



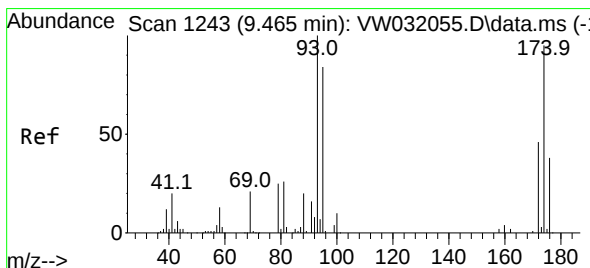
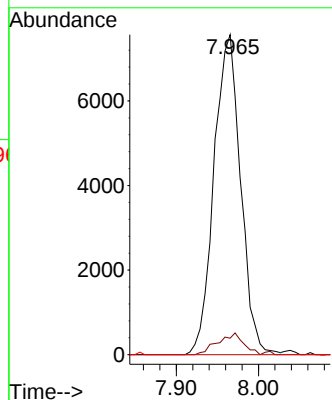
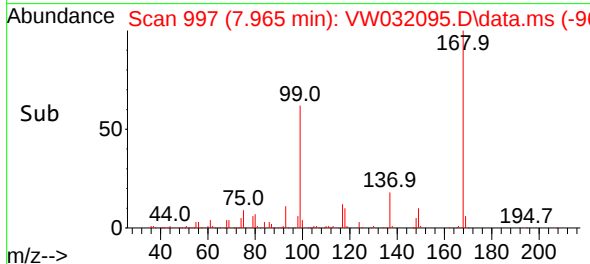


#38
Carbon Tetrachloride
Concen: 6.642 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Instrument :
MSVOA_W
ClientSampleId :

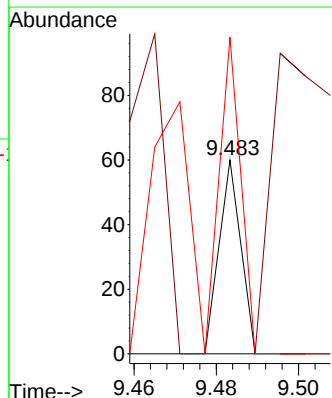
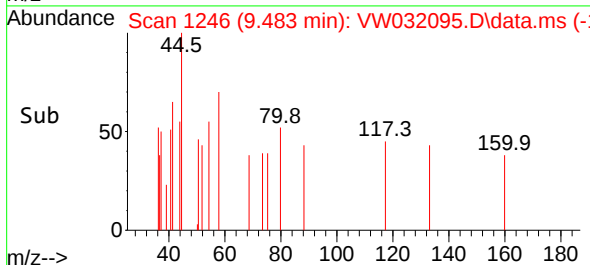
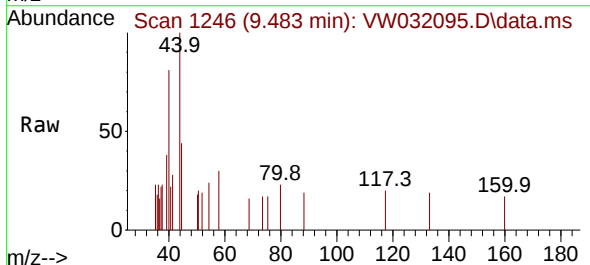


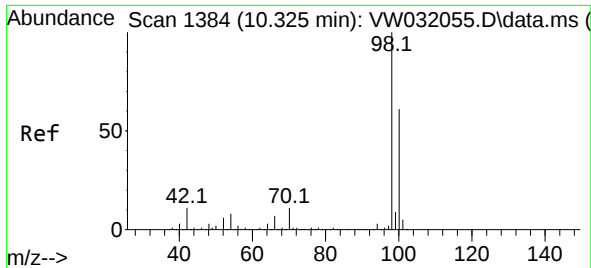
Tgt Ion: 117 Resp: 17021
Ion Ratio Lower Upper
117 100
119 5.2 71.4 107.2#
121 0.0 22.3 33.5#



#49
1,4-Dioxane
Concen: 1.322 ug/l
RT: 9.483 min Scan# 1246
Delta R.T. 0.018 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 531.8 20.6 30.8#
58 0.0 60.4 90.6#

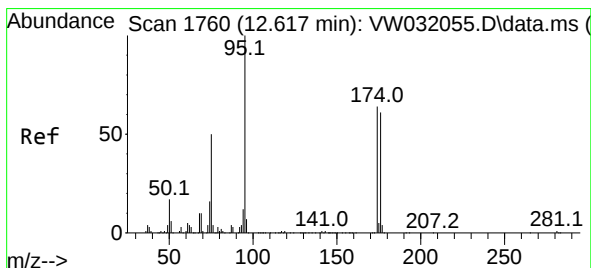
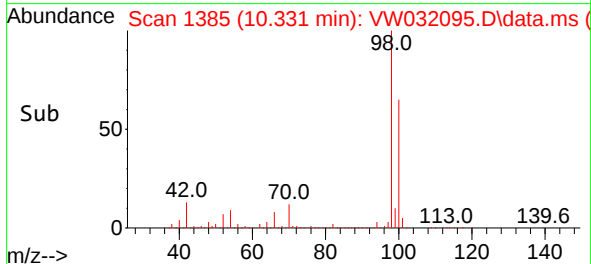
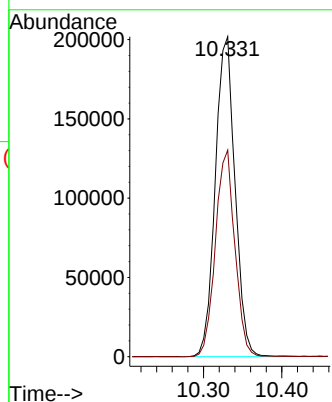
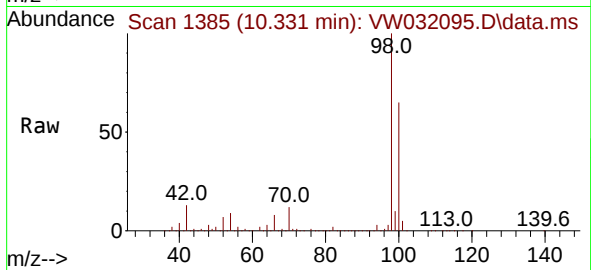




#50
Toluene-d8
Concen: 50.659 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

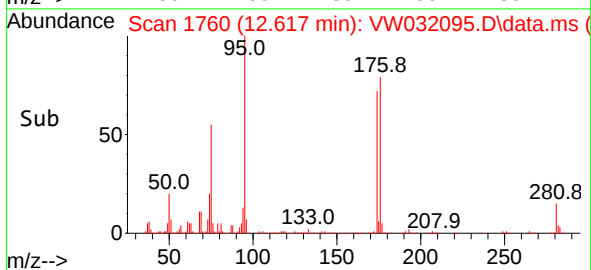
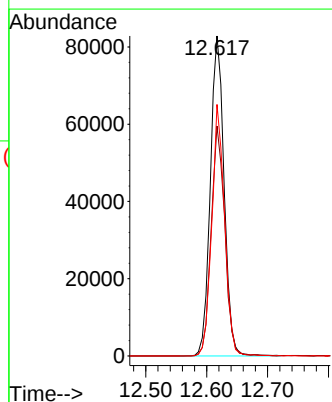
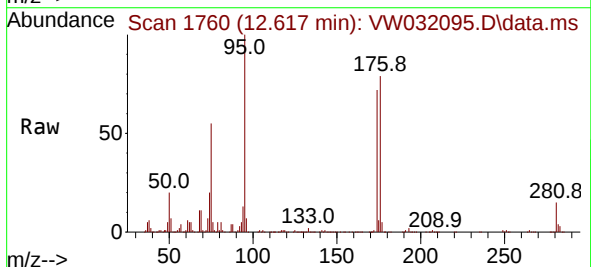
Instrument :
MSVOA_W
ClientSampleId :

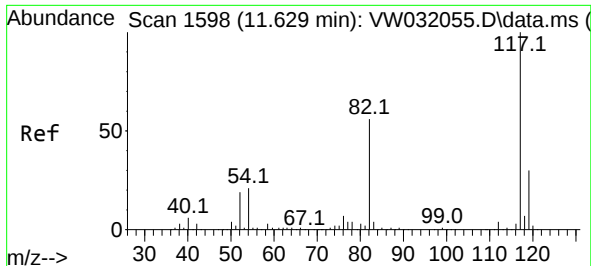
Tgt Ion: 98 Resp: 352920
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 50.565 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

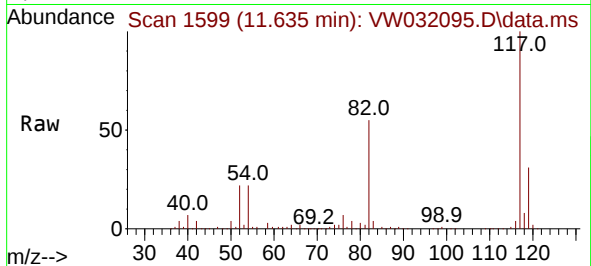
Tgt Ion: 95 Resp: 129815
Ion Ratio Lower Upper
95 100
174 71.4 0.0 129.0
176 73.3 0.0 124.6



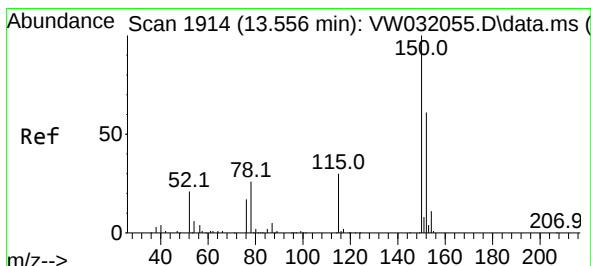
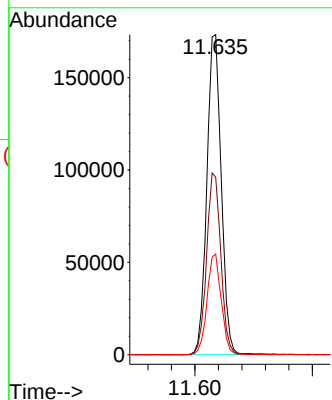
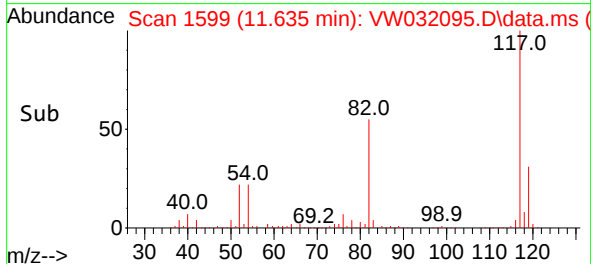


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 117
Delta R.T. 0.006 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

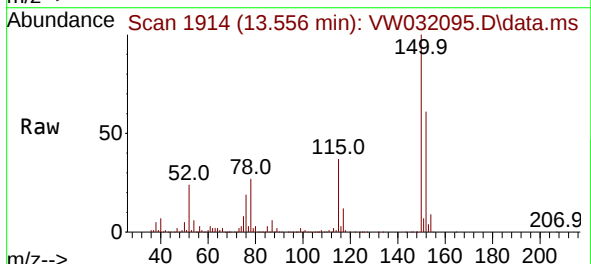
Instrument :
MSVOA_W
ClientSampleId :



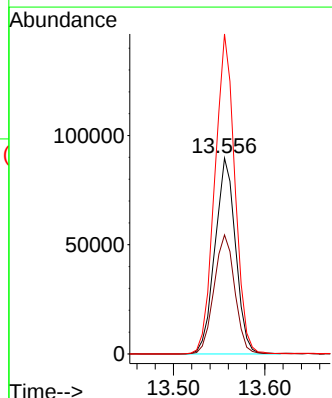
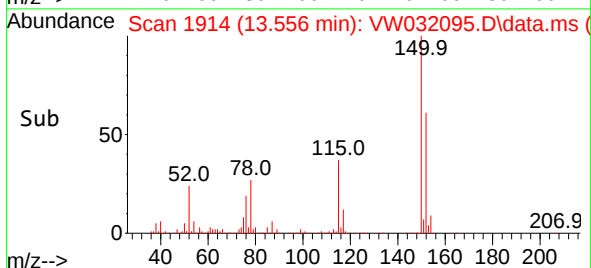
Tgt Ion:117 Resp: 294933
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 31.4 24.2 36.4

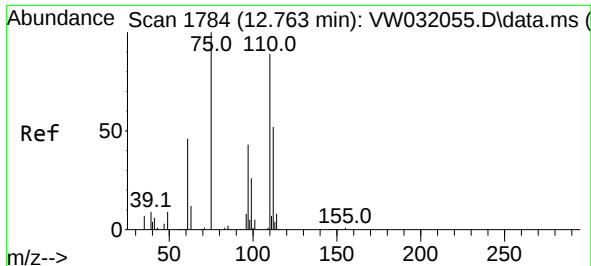


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47



Tgt Ion:152 Resp: 140579
Ion Ratio Lower Upper
152 100
115 61.5 32.6 97.8
150 159.5 0.0 359.4

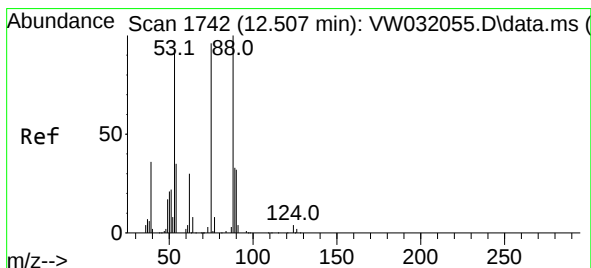
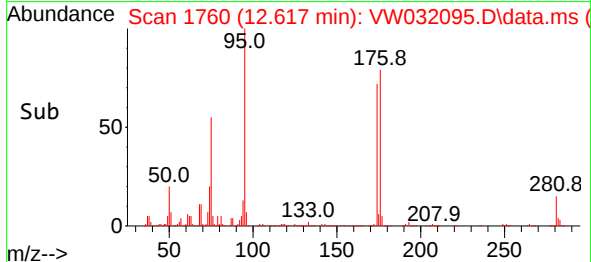
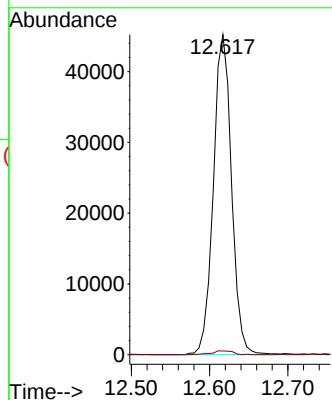
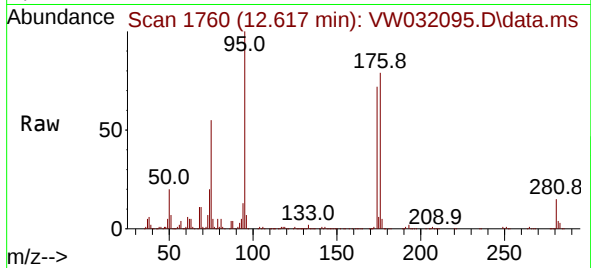




#76
1,2,3-Trichloropropane
Concen: 38.167 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 72822
Ion Ratio Lower Upper
75 100
77 1.4 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.811 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion: 75 Resp: 72822
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.6#
89 0.2 37.3 55.9#

