

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032551.D
 Acq On : 26 Nov 2025 17:55
 Operator : SY/MD
 Sample : Q3719-12
 Misc : 4.51g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:31:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	189608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	463920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	526803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	256014	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163489	66.880	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	133.760%
35) Dibromofluoromethane	7.898	113	148536	53.476	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.960%
50) Toluene-d8	10.331	98	481649	45.201	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.400%
62) 4-Bromofluorobenzene	12.617	95	216969	53.901	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	107.800%

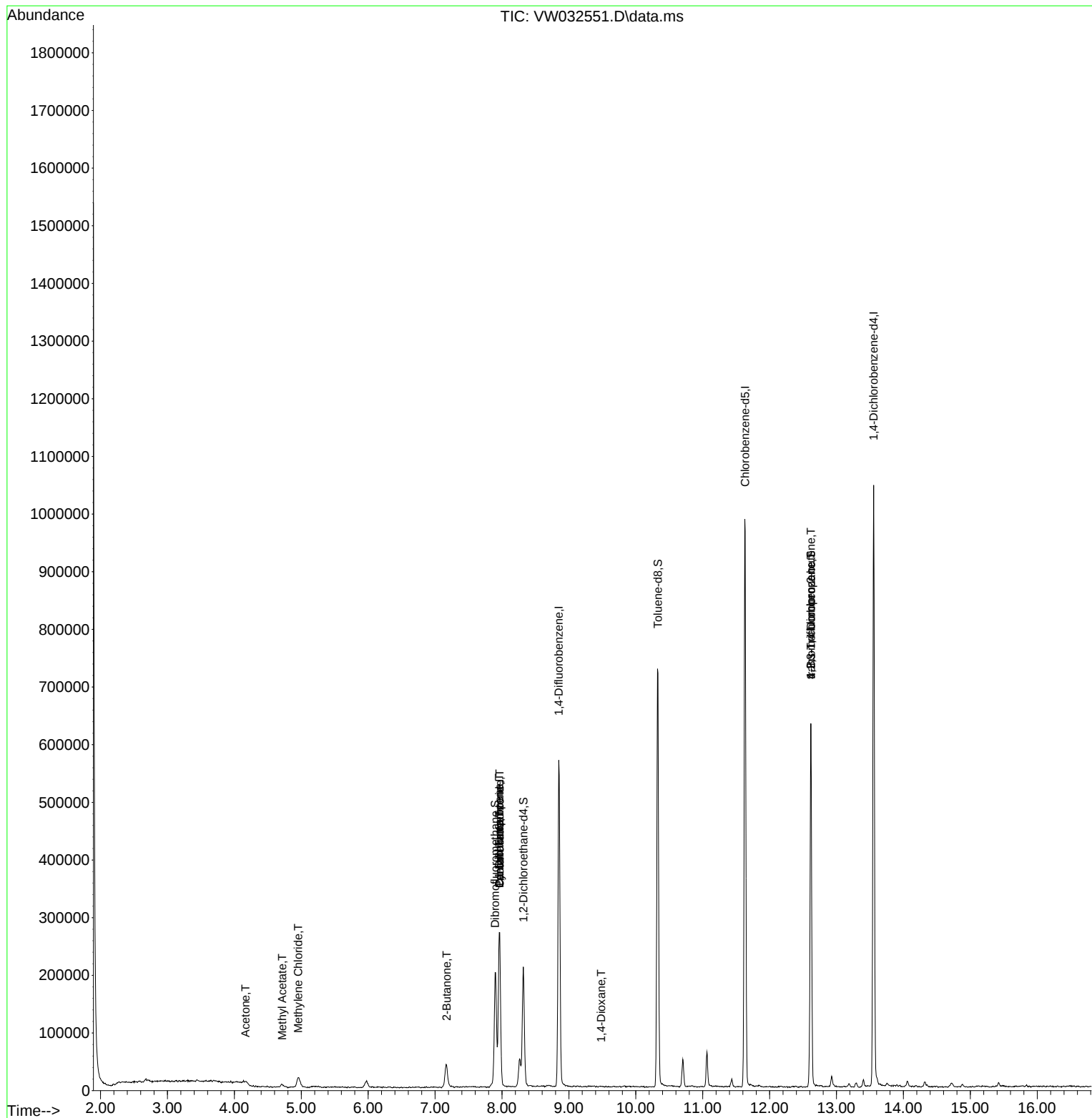
Target Compounds					Qvalue	
16) Acetone	4.167	43	3247	4.440	ug/l #	87
18) Methyl Acetate	4.716	43	11132	6.147	ug/l	92
20) Methylene Chloride	4.954	84	14999	5.735	ug/l	96
25) 2-Butanone	7.173	43	2809	2.607	ug/l #	63
31) Cyclohexane	7.965	56	5911	1.462	ug/l #	29
36) 1,1-Dichloropropene	7.959	75	18346	4.483	ug/l #	50
38) Carbon Tetrachloride	7.965	117	21719	5.973	ug/l #	18
49) 1,4-Dioxane	9.483	88	57	2.122	ug/l #	42
76) 1,2,3-Trichloropropane	12.617	75	112040	31.917	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	112040	73.104	ug/l #	11

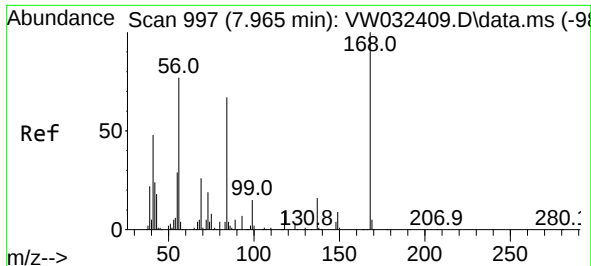
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032551.D
Acq On : 26 Nov 2025 17:55
Operator : SY/MD
Sample : Q3719-12
Misc : 4.51g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 27 00:31:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

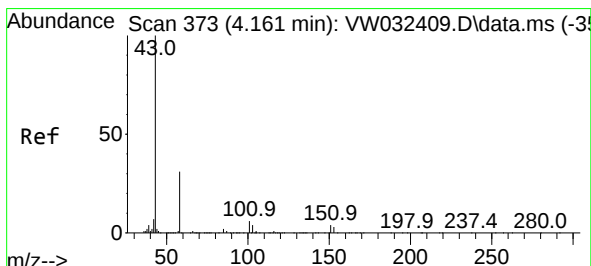
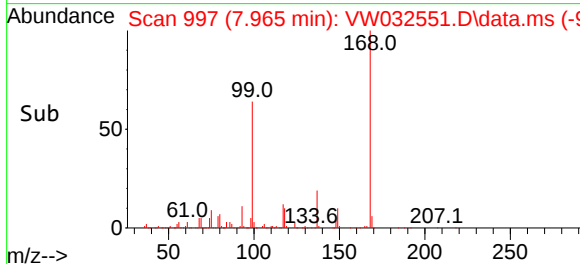
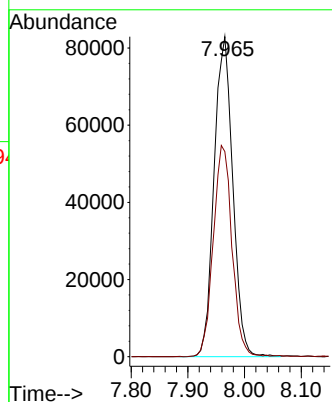
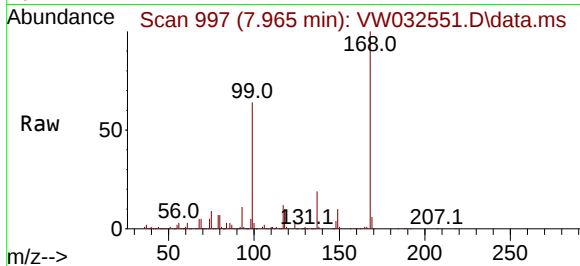




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

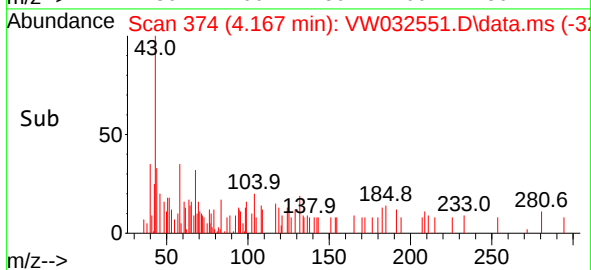
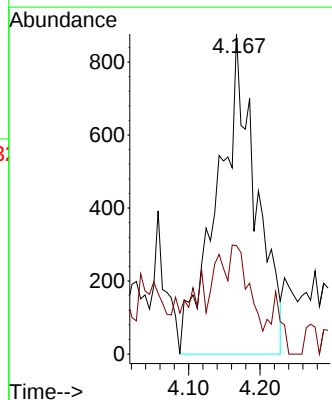
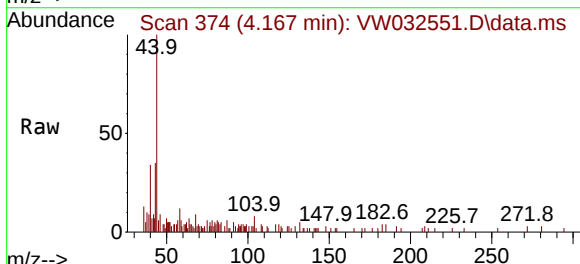
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MSVOA_W
ClientSampleId :

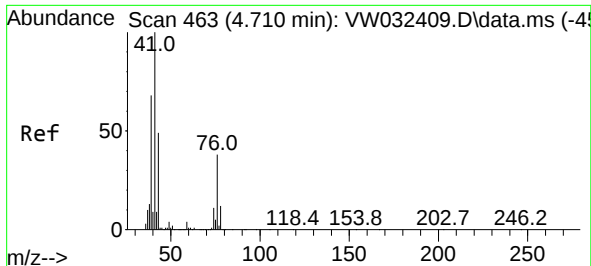
Tgt Ion:168 Resp: 189608
Ion Ratio Lower Upper
168 100
99 64.0 45.4 68.2



#16
Acetone
Concen: 4.440 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
58 23.7 24.8 37.2#

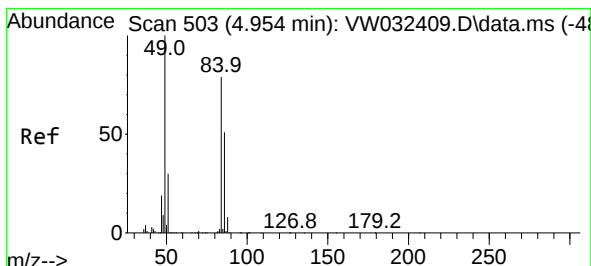
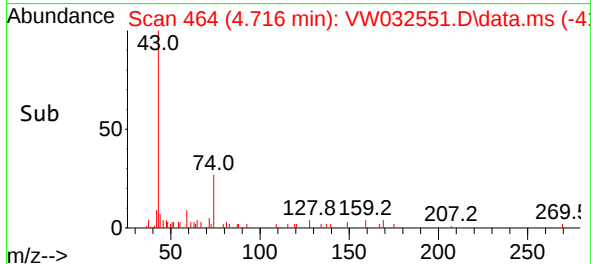
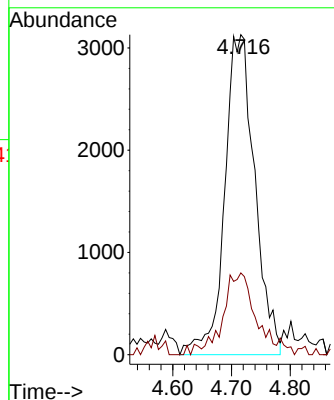
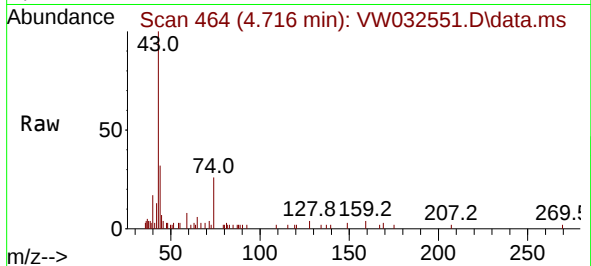




#18
Methyl Acetate
Concen: 6.147 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

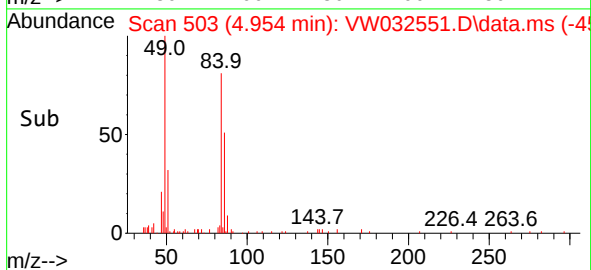
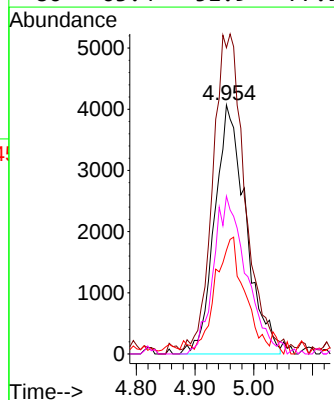
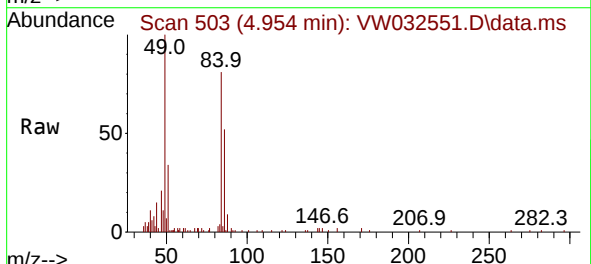
Instrument :
MSVOA_W
ClientSampleId :

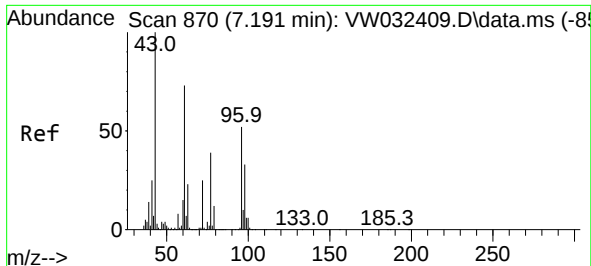
Tgt Ion: 43 Resp: 11132
Ion Ratio Lower Upper
43 100
74 27.5 18.9 28.3



#20
Methylene Chloride
Concen: 5.735 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion: 84 Resp: 14999
Ion Ratio Lower Upper
84 100
49 121.4 101.5 152.3
51 39.8 30.6 46.0
86 63.4 51.9 77.9

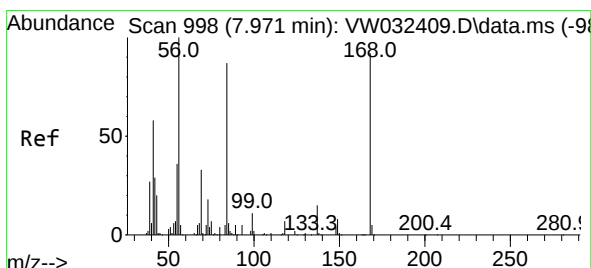
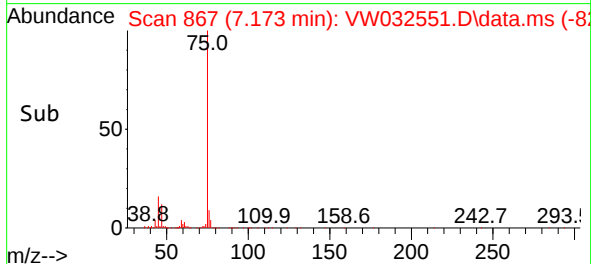
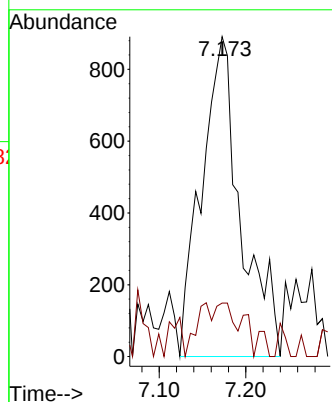
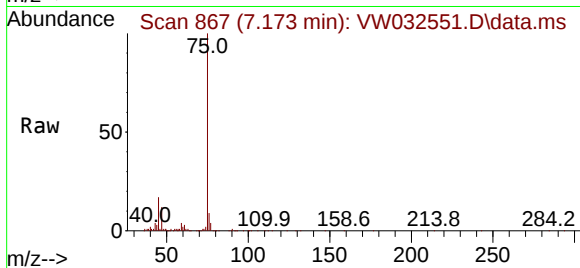




#25
2-Butanone
Concen: 2.607 ug/l
RT: 7.173 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

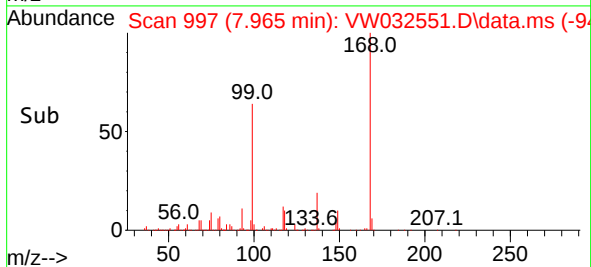
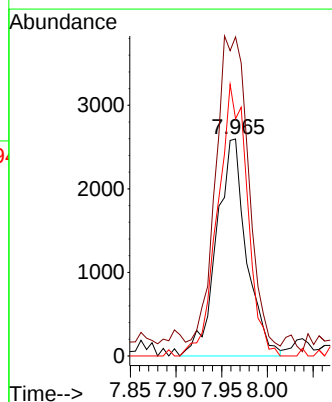
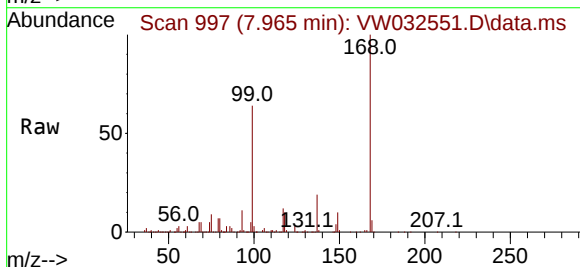
Instrument :
MSVOA_W
ClientSampleId :

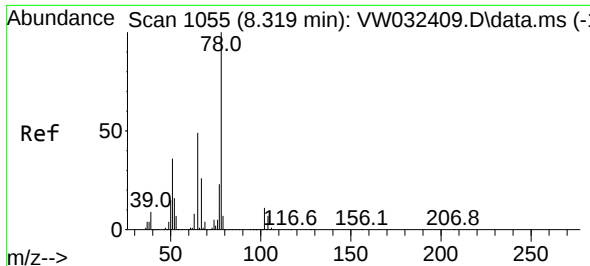
Tgt Ion: 43 Resp: 2809
Ion Ratio Lower Upper
43 100
72 6.3 20.0 30.0#



#31
Cyclohexane
Concen: 1.462 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion: 56 Resp: 5911
Ion Ratio Lower Upper
56 100
69 142.5 26.5 39.7#
84 109.4 69.6 104.4#

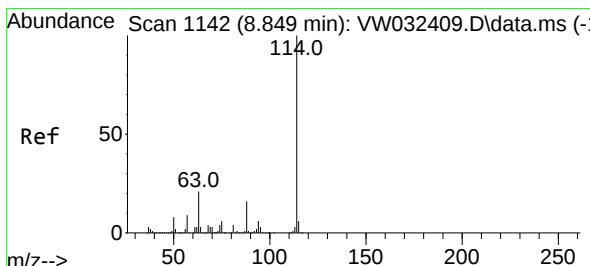
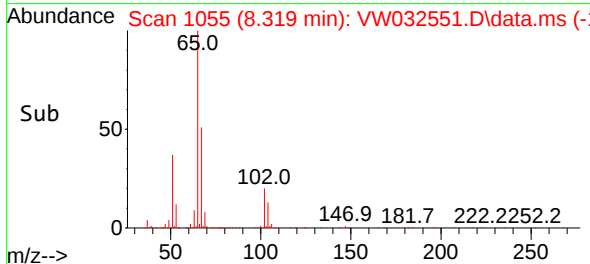
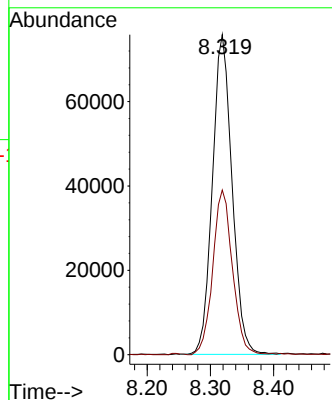
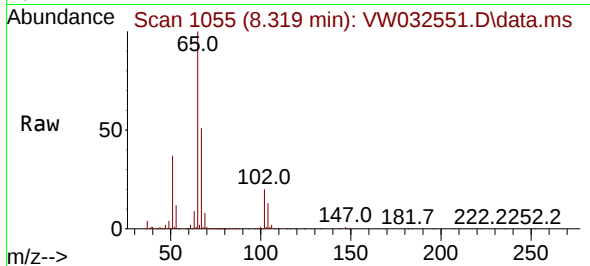




#33
 1,2-Dichloroethane-d4
 Concen: 66.880 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032551.D
 Acq: 26 Nov 2025 17:55

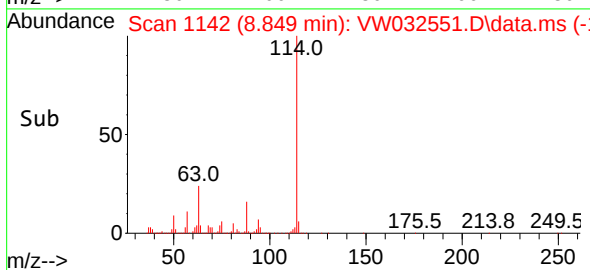
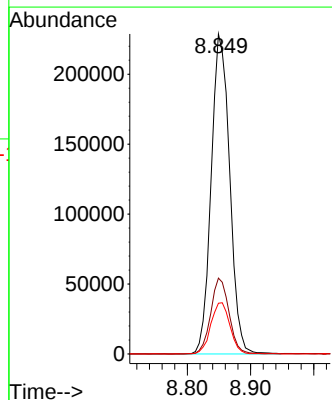
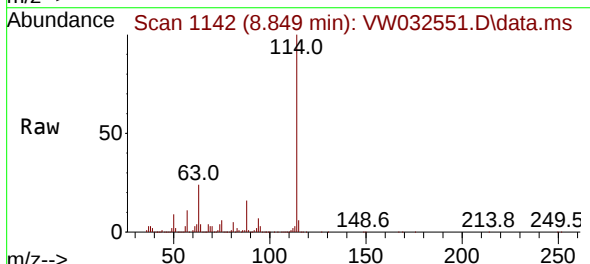
Instrument :
 MSVOA_W
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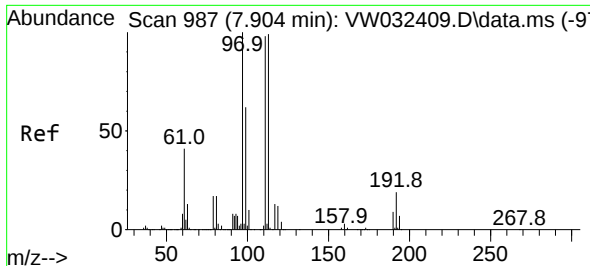
Tgt Ion: 65 Resp: 163489
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032551.D
 Acq: 26 Nov 2025 17:55

Tgt Ion: 114 Resp: 463920
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 41.8
 88 15.8 0.0 32.6

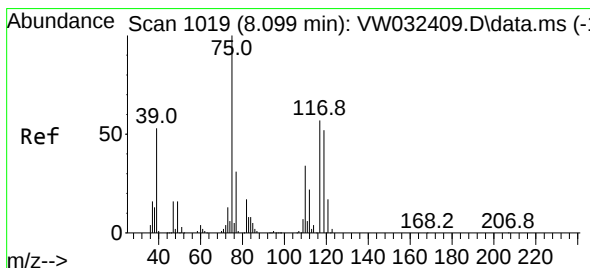
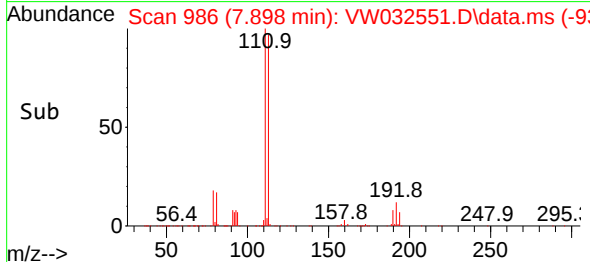
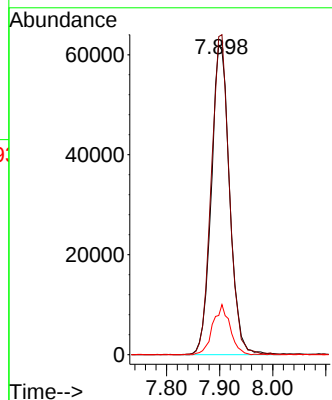
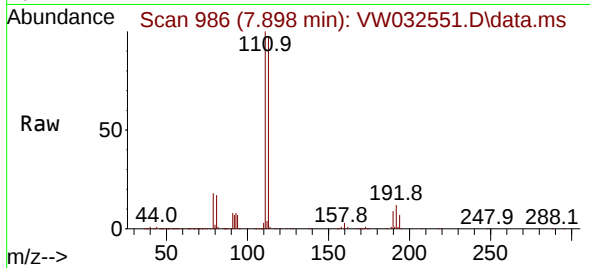




#35
Dibromofluoromethane
Concen: 53.476 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

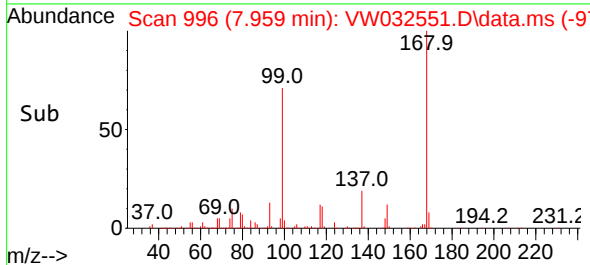
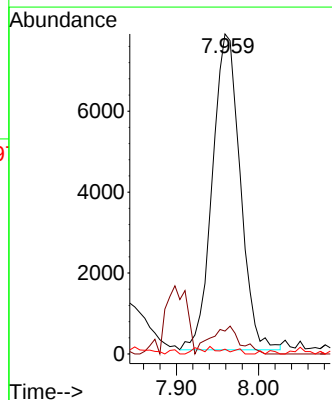
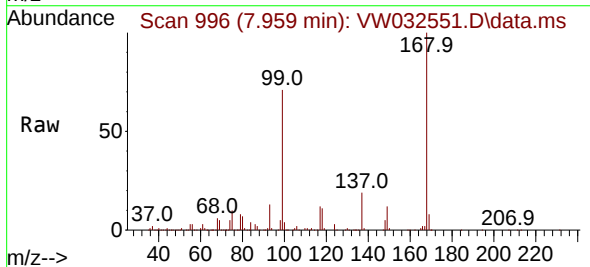
Instrument :
MSVOA_W
ClientSampleId :

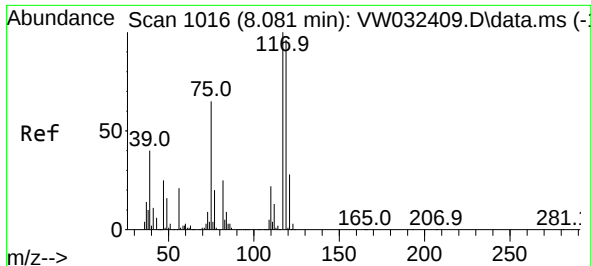
Tgt Ion:113 Resp: 148536
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 15.3 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.483 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

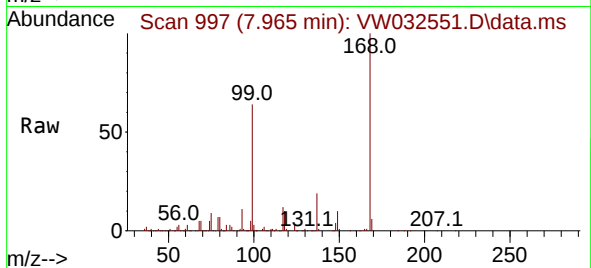
Tgt Ion: 75 Resp: 18346
Ion Ratio Lower Upper
75 100
110 8.7 17.2 51.5#
77 0.0 24.5 36.7#



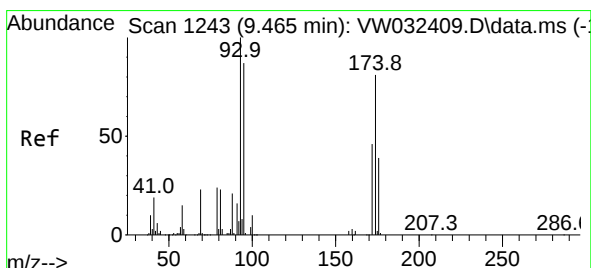
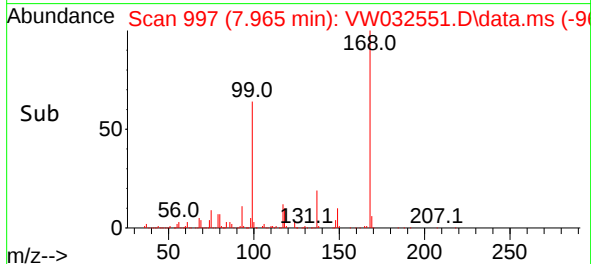
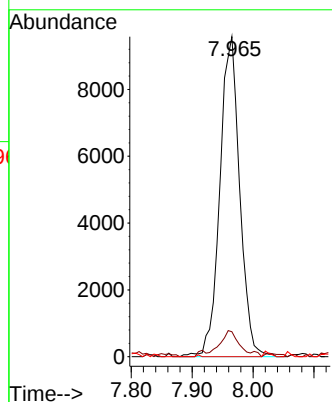


#38
Carbon Tetrachloride
Concen: 5.973 ug/l
RT: 7.965 min Scan# 99
Delta R.T. -0.116 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Instrument :
MSVOA_W
ClientSampleId :

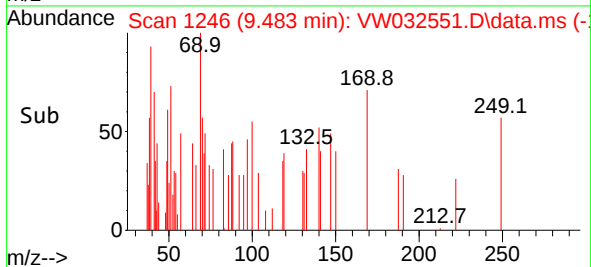
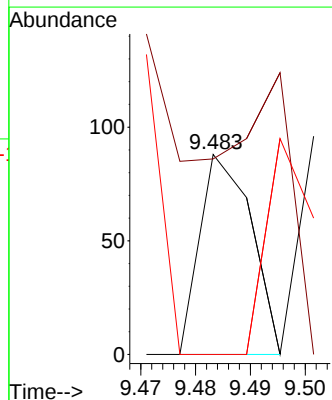
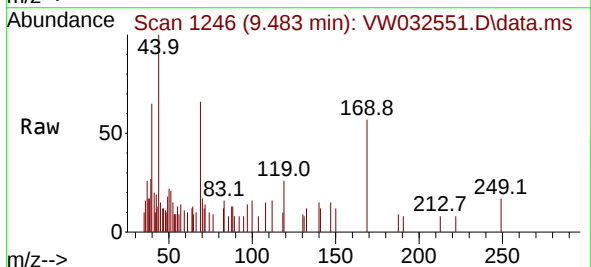


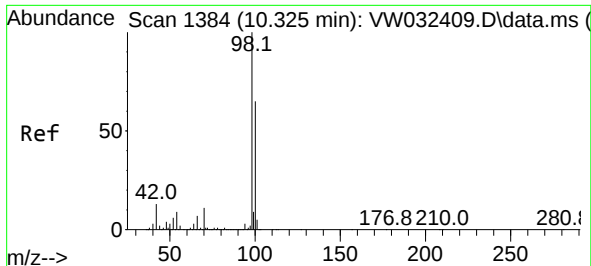
Tgt Ion: 117 Resp: 21719
Ion Ratio Lower Upper
117 100
119 7.8 77.0 115.4#
121 0.0 22.0 33.0#



#49
1,4-Dioxane
Concen: 2.122 ug/l
RT: 9.483 min Scan# 1246
Delta R.T. 0.018 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 129.8 63.0 94.4#

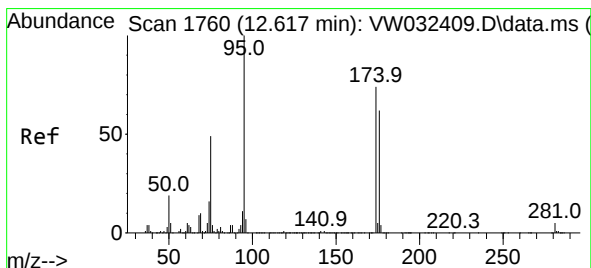
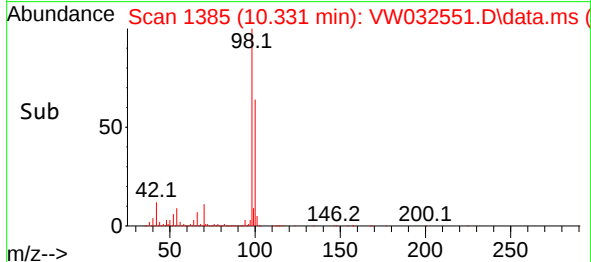
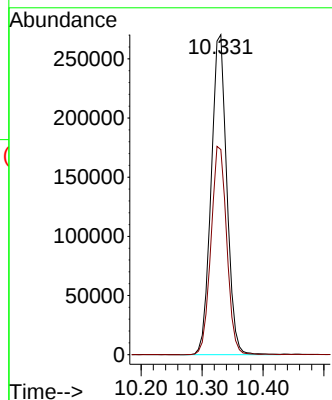
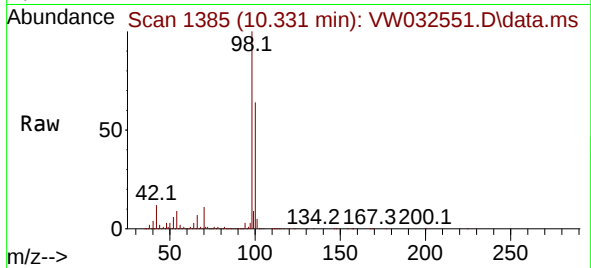




#50
Toluene-d8
Concen: 45.201 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

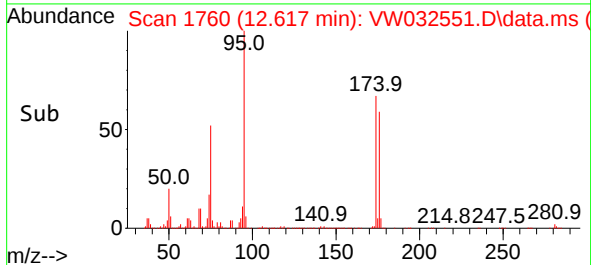
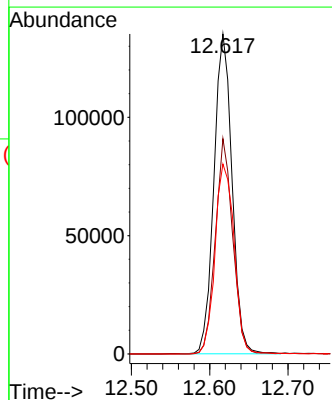
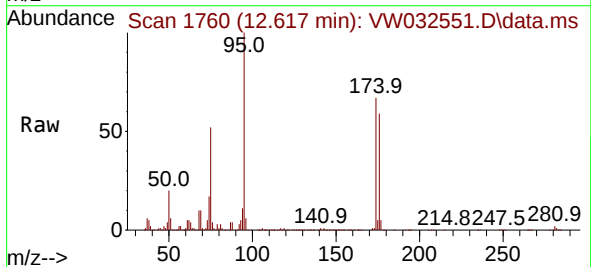
Instrument :
MSVOA_W
ClientSampleId :

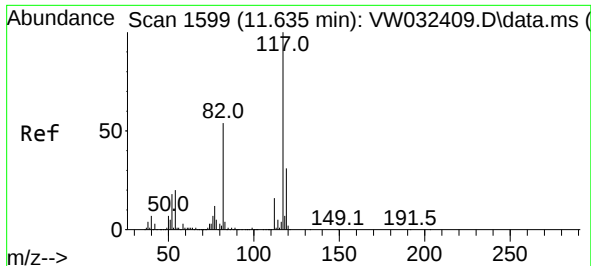
Tgt Ion: 98 Resp: 481649
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.901 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion: 95 Resp: 216969
Ion Ratio Lower Upper
95 100
174 65.3 0.0 135.4
176 62.9 0.0 131.8

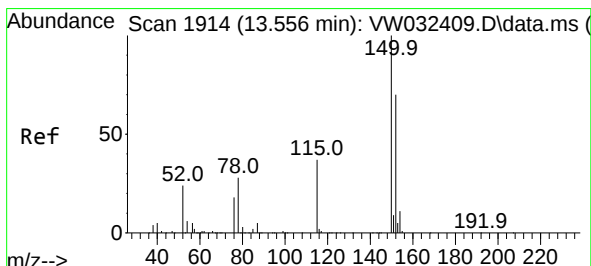
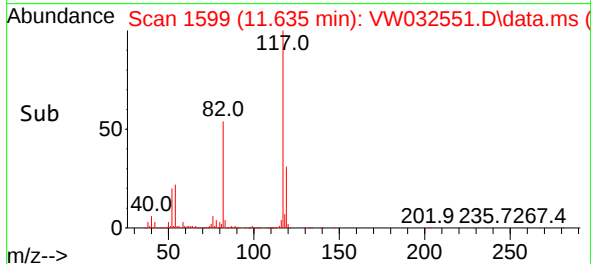
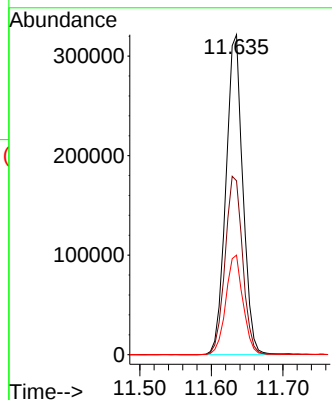
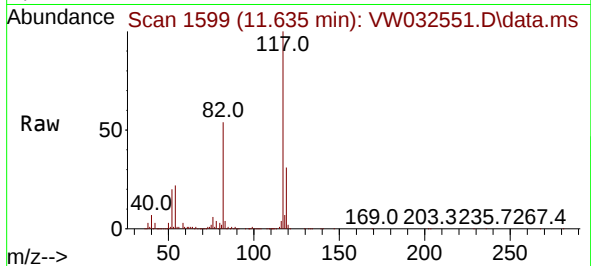




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

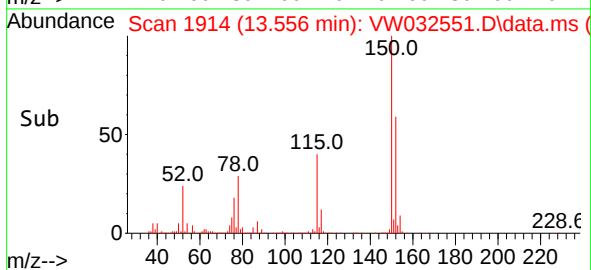
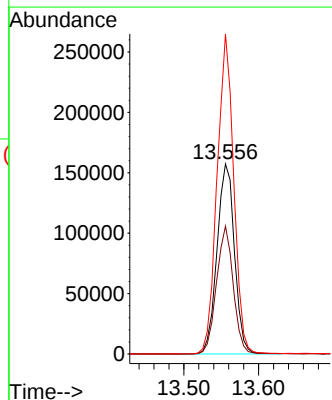
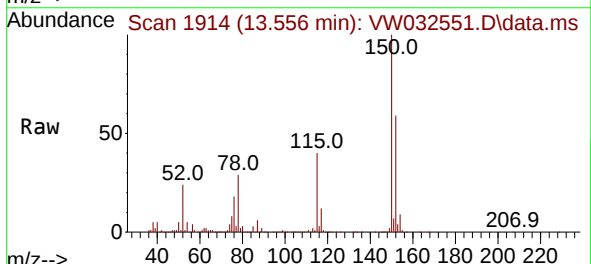
Instrument :
MSVOA_W
ClientSampleId :

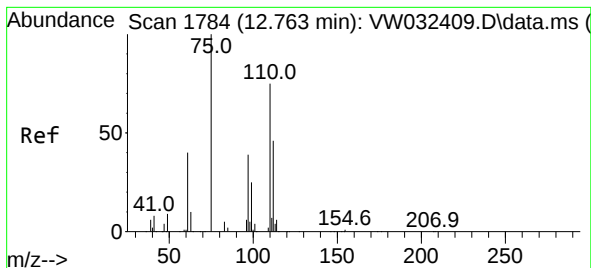
Tgt Ion:117 Resp: 526803
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 31.0 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion:152 Resp: 256014
Ion Ratio Lower Upper
152 100
115 64.3 32.8 98.3
150 160.2 0.0 356.6





#76

1,2,3-Trichloropropane

Concen: 31.917 ug/l

RT: 12.617 min Scan# 1

Delta R.T. -0.146 min

Lab File: VW032551.D

Acq: 26 Nov 2025 17:55

Instrument :

MSVOA_W

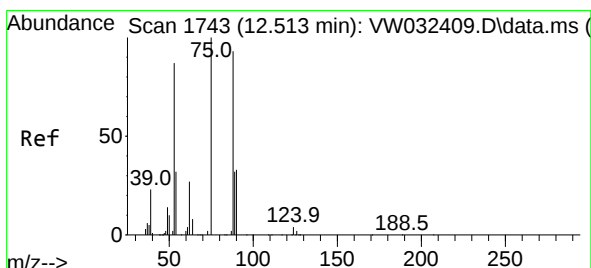
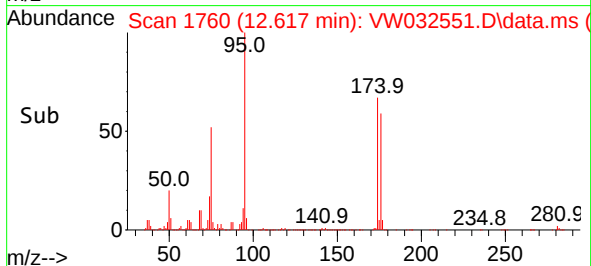
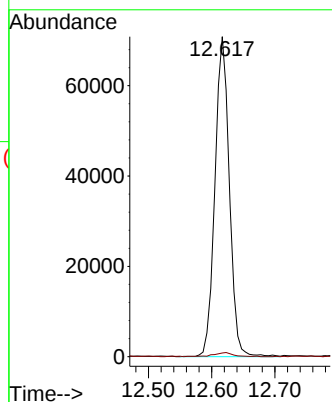
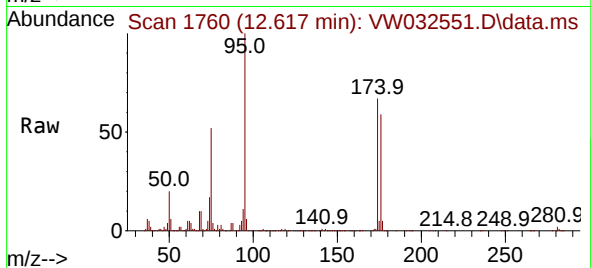
ClientSampleId :

Tgt Ion: 75 Resp: 112040

Ion Ratio Lower Upper

75 100

77 1.8 151.6 454.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.104 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.104 min

Lab File: VW032551.D

Acq: 26 Nov 2025 17:55

Tgt Ion: 75 Resp: 112040

Ion Ratio Lower Upper

75 100

53 0.3 77.8 116.8#

89 0.1 35.6 53.4#

