

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032452.D
 Acq On : 17 Nov 2025 13:05
 Operator : SY/MD
 Sample : Q3624-01
 Misc : 6.03g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-11122025

Quant Time: Nov 18 03:03:29 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)

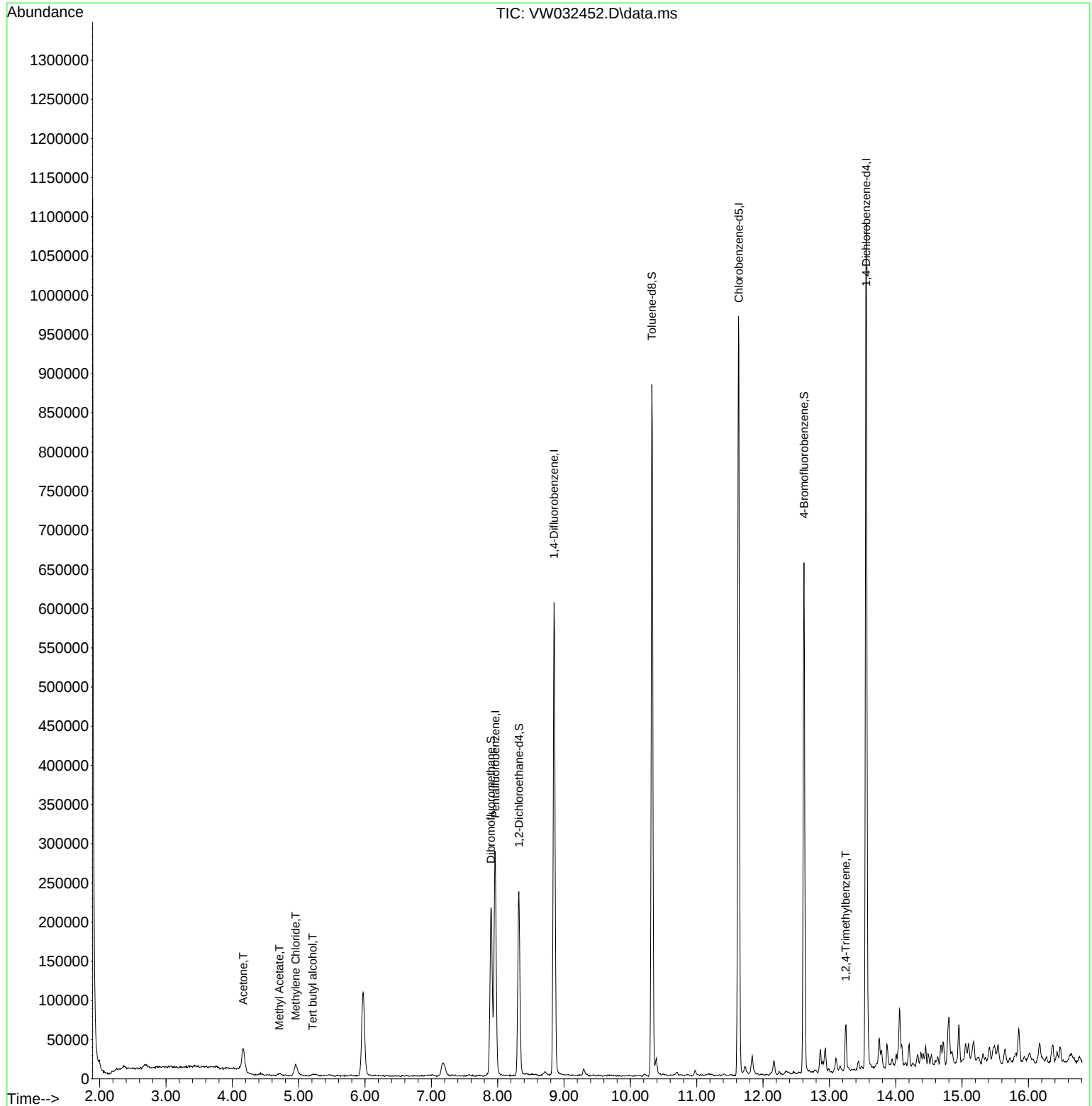
Internal Standards						
1) Pentafluorobenzene	7.965	168	199876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	500253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	538238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	278768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	187327	72.695	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	145.400%
35) Dibromofluoromethane	7.898	113	164257	54.841	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.680%
50) Toluene-d8	10.325	98	579345	50.420	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.840%
62) 4-Bromofluorobenzene	12.617	95	229064	52.773	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	105.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	3441	15.443	ug/l #	87
16) Acetone	4.161	43	48416	62.801	ug/l	96
18) Methyl Acetate	4.710	43	5306	2.779	ug/l	97
20) Methylene Chloride	4.954	84	12565	4.557	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	32765	1.907	ug/l	96

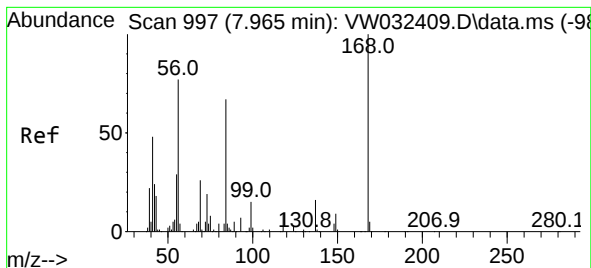
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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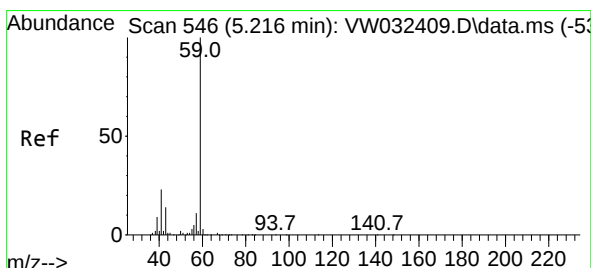
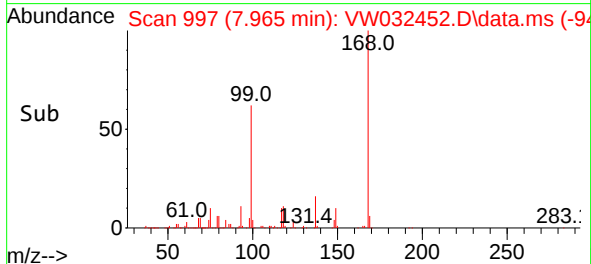
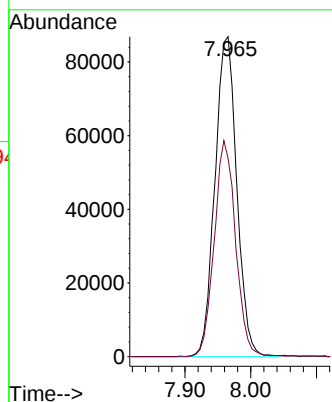
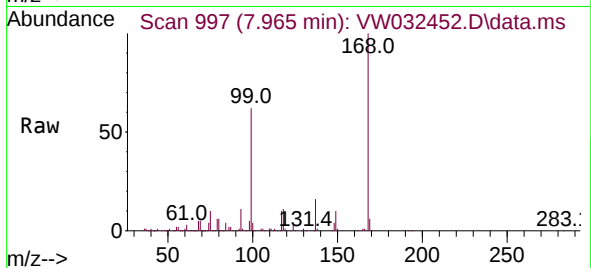




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

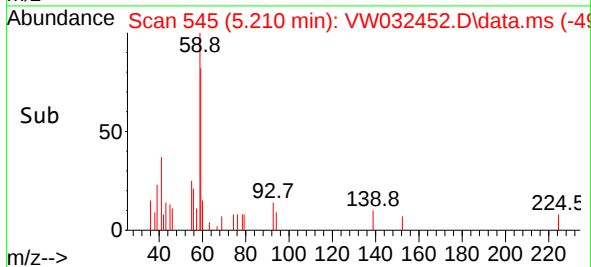
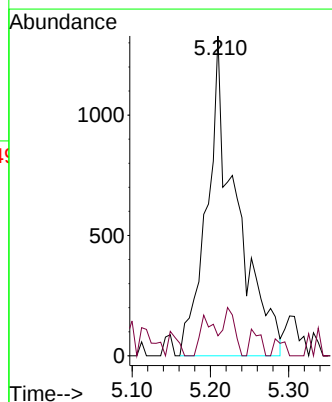
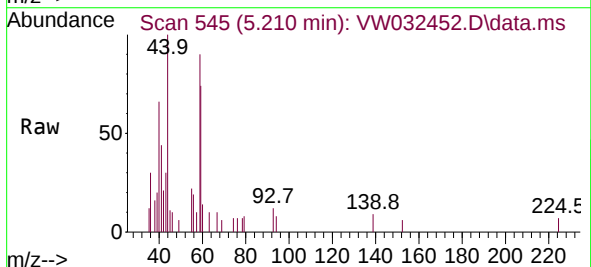
Instrument :
MSVOA_W
ClientSampleId :
OK-02-11122025

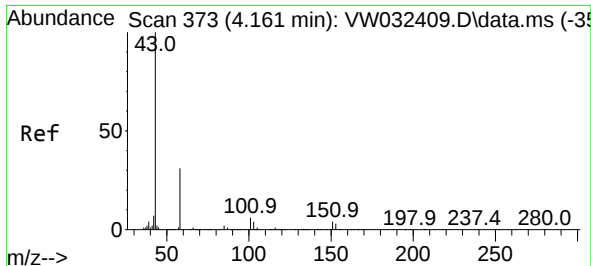
Tgt Ion:168 Resp: 199876
Ion Ratio Lower Upper
168 100
99 61.8 45.4 68.2



#11
Tert butyl alcohol
Concen: 15.443 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

Tgt Ion: 59 Resp: 3441
Ion Ratio Lower Upper
59 100
57 5.8 8.6 12.8#

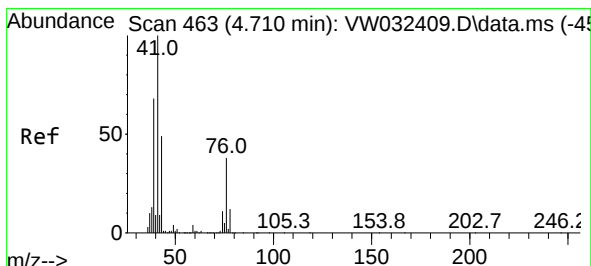
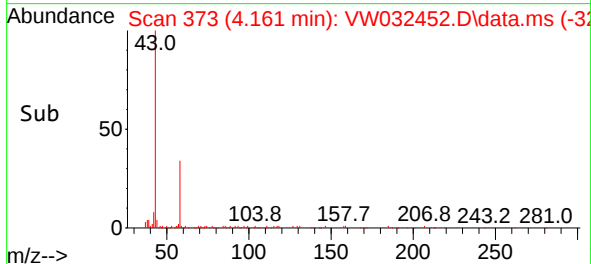
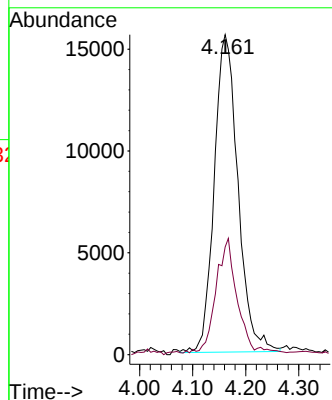
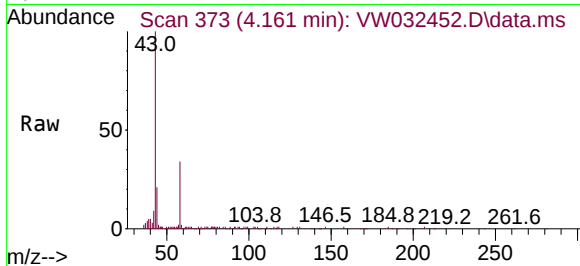




#16
Acetone
Concen: 62.801 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

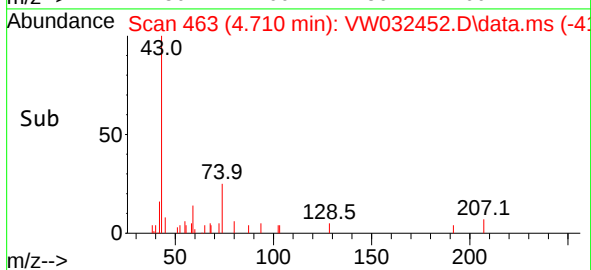
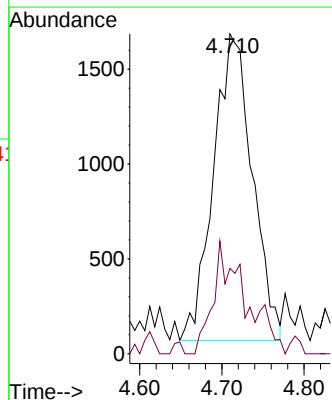
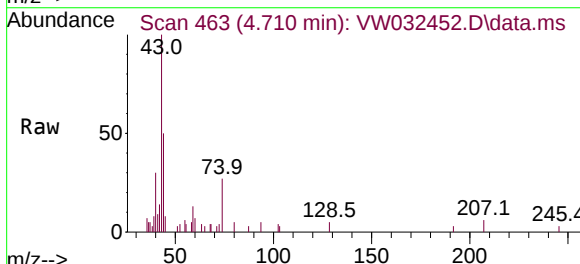
Instrument :
MSVOA_W
ClientSampleId :
OK-02-11122025

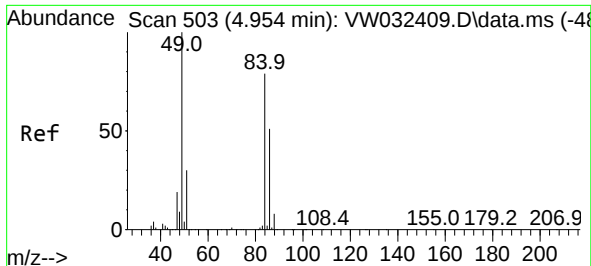
Tgt Ion: 43 Resp: 48416
Ion Ratio Lower Upper
43 100
58 33.3 24.8 37.2



#18
Methyl Acetate
Concen: 2.779 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

Tgt Ion: 43 Resp: 5306
Ion Ratio Lower Upper
43 100
74 25.3 18.9 28.3

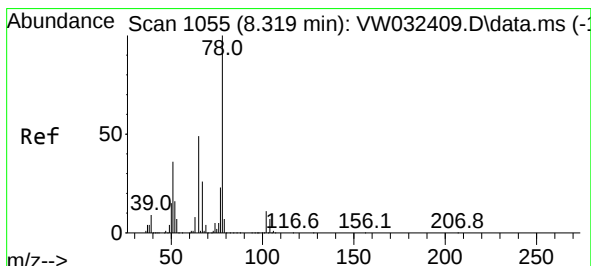
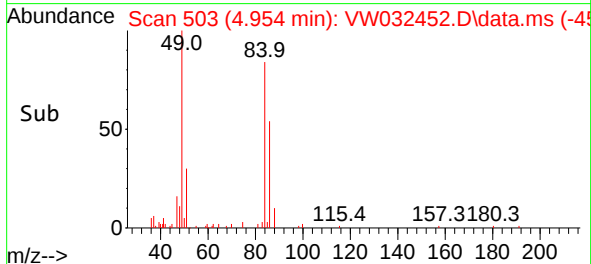
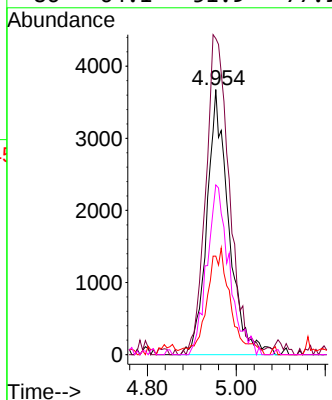
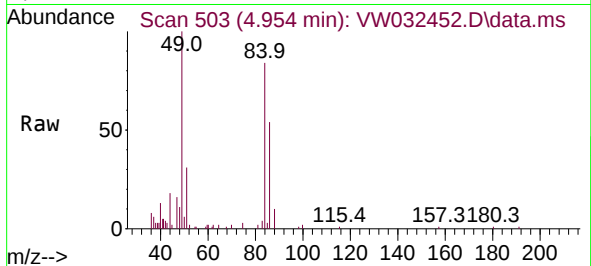




#20
Methylene Chloride
Concen: 4.557 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

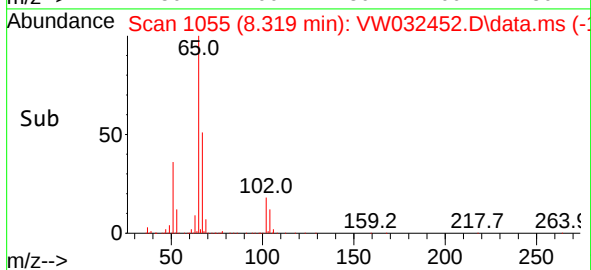
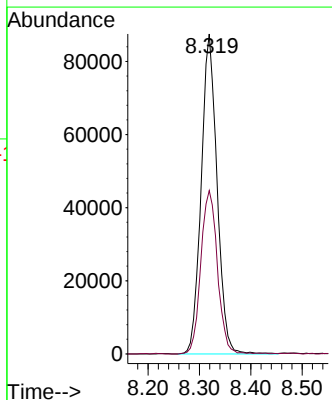
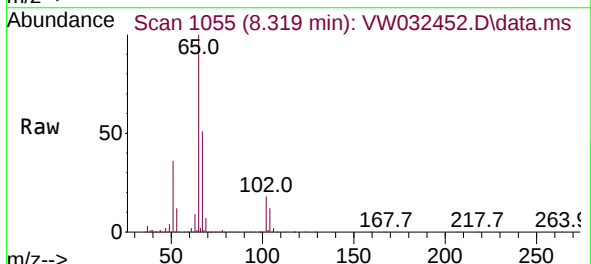
Instrument :
MSVOA_W
ClientSampleId :
OK-02-11122025

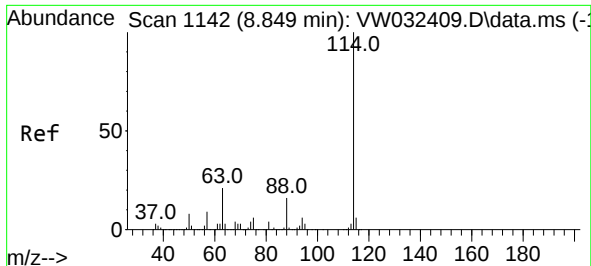
Tgt Ion:	84	Resp:	12565
Ion	Ratio	Lower	Upper
84	100		
49	119.3	101.5	152.3
51	37.2	30.6	46.0
86	64.1	51.9	77.9



#33
1,2-Dichloroethane-d4
Concen: 72.695 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

Tgt Ion:	65	Resp:	187327
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8

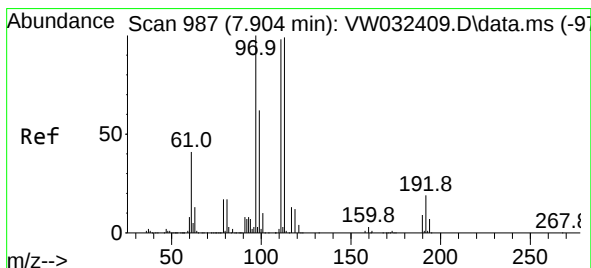
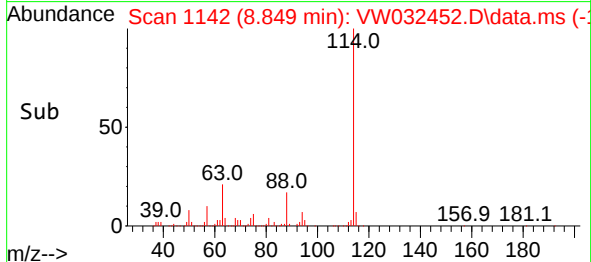
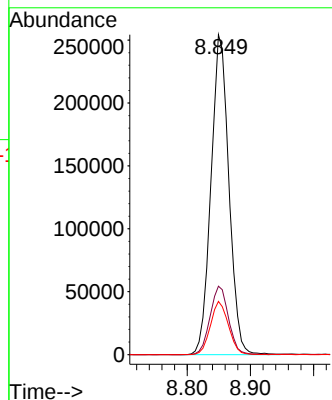
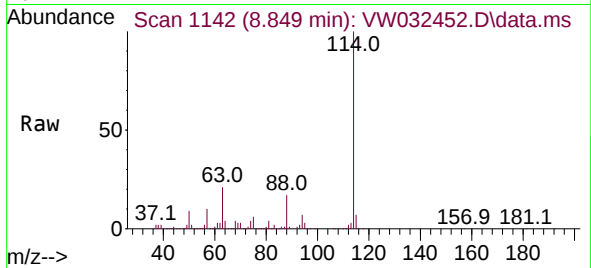




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032452.D
 Acq: 17 Nov 2025 13:05

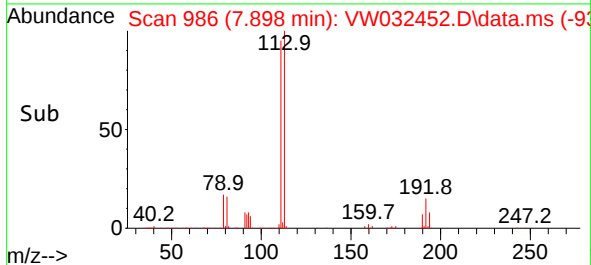
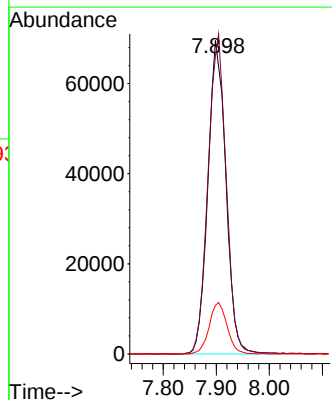
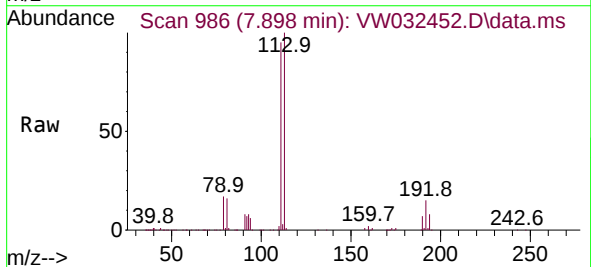
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-11122025

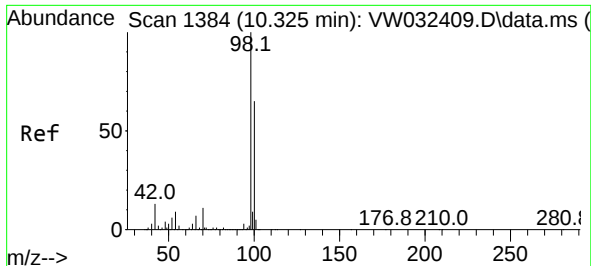
Tgt Ion:114 Resp: 500253
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.8
 88 16.6 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 54.841 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032452.D
 Acq: 17 Nov 2025 13:05

Tgt Ion:113 Resp: 164257
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.1 124.7
 192 16.2 13.4 20.2

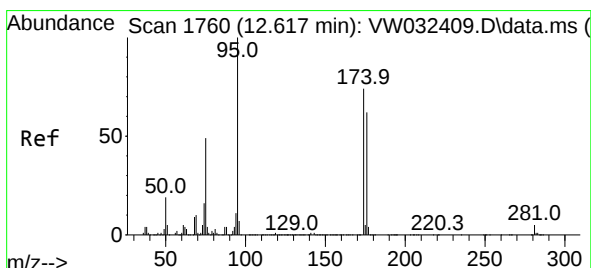
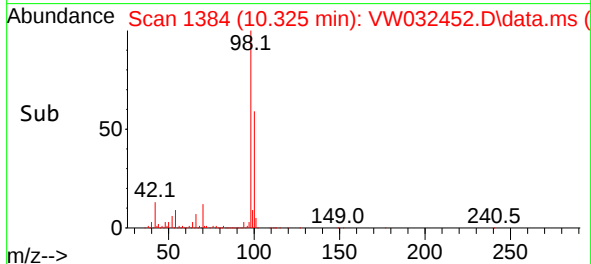
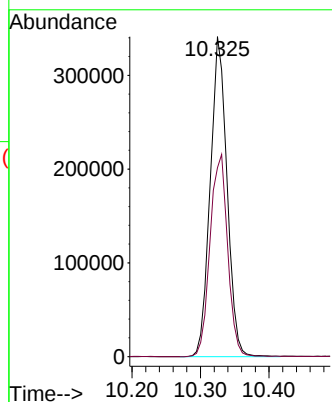
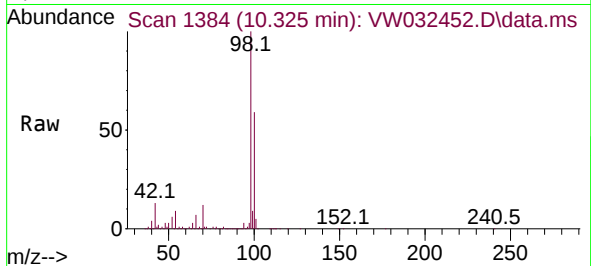




#50
Toluene-d8
Concen: 50.420 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

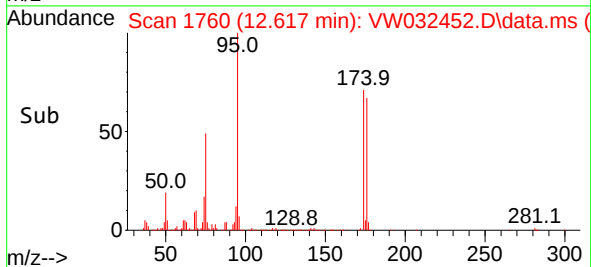
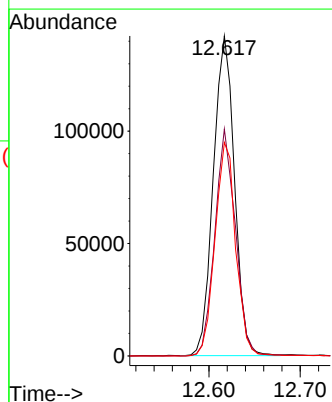
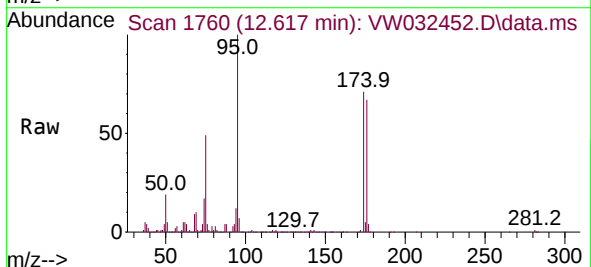
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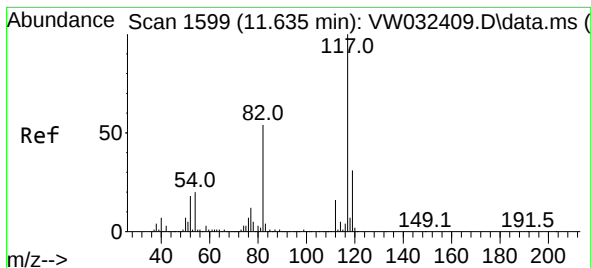
Tgt Ion: 98 Resp: 579345
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 52.773 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

Tgt Ion: 95 Resp: 229064
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.4
176 65.7 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: VW032452.D

Acq: 17 Nov 2025 13:05

Instrument :

MSVOA_W

ClientSampleId :

OK-02-11122025

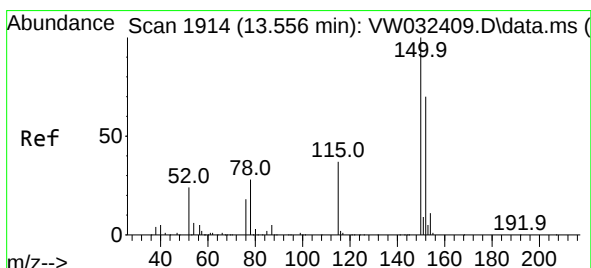
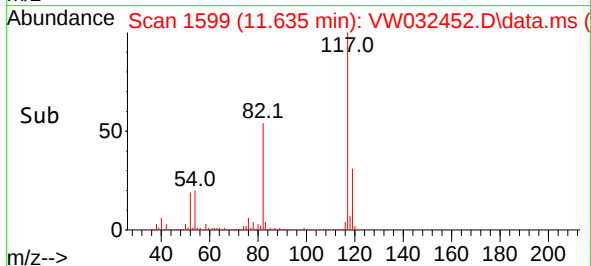
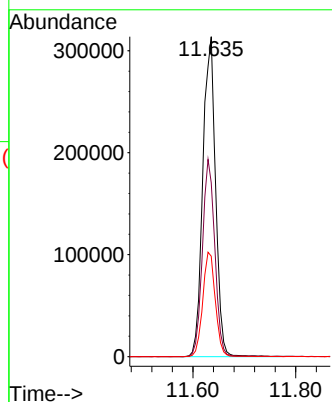
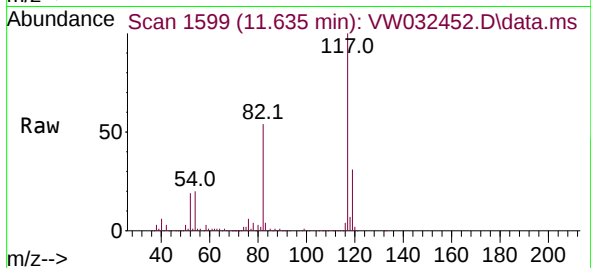
Tgt Ion:117 Resp: 538238

Ion Ratio Lower Upper

117 100

82 54.3 43.0 64.4

119 31.4 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: VW032452.D

Acq: 17 Nov 2025 13:05

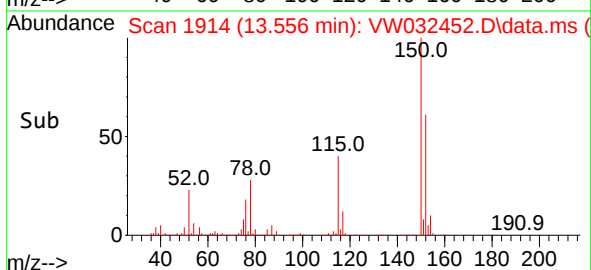
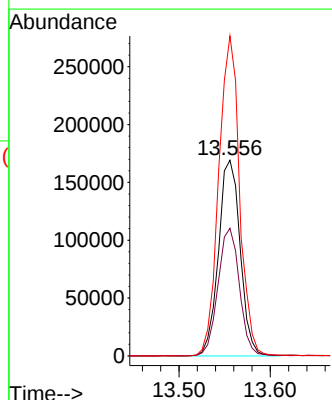
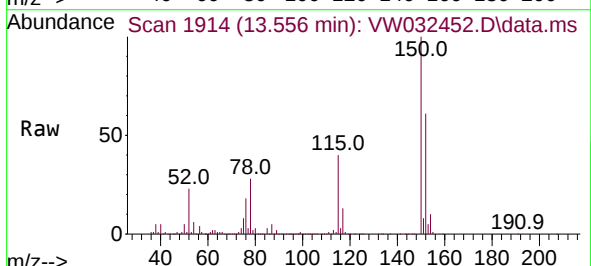
Tgt Ion:152 Resp: 278768

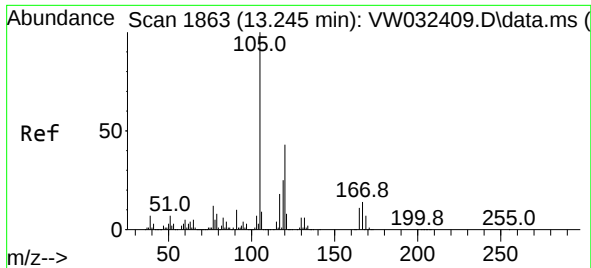
Ion Ratio Lower Upper

152 100

115 64.3 32.8 98.3

150 157.1 0.0 356.6





#84
 1,2,4-Trimethylbenzene
 Concen: 1.907 ug/l
 RT: 13.245 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: VW032452.D
 Acq: 17 Nov 2025 13:05

Instrument :
 MSVOA_W
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 OK-02-11122025

Tgt Ion:105 Resp: 32765
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.1 66.5

