

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)

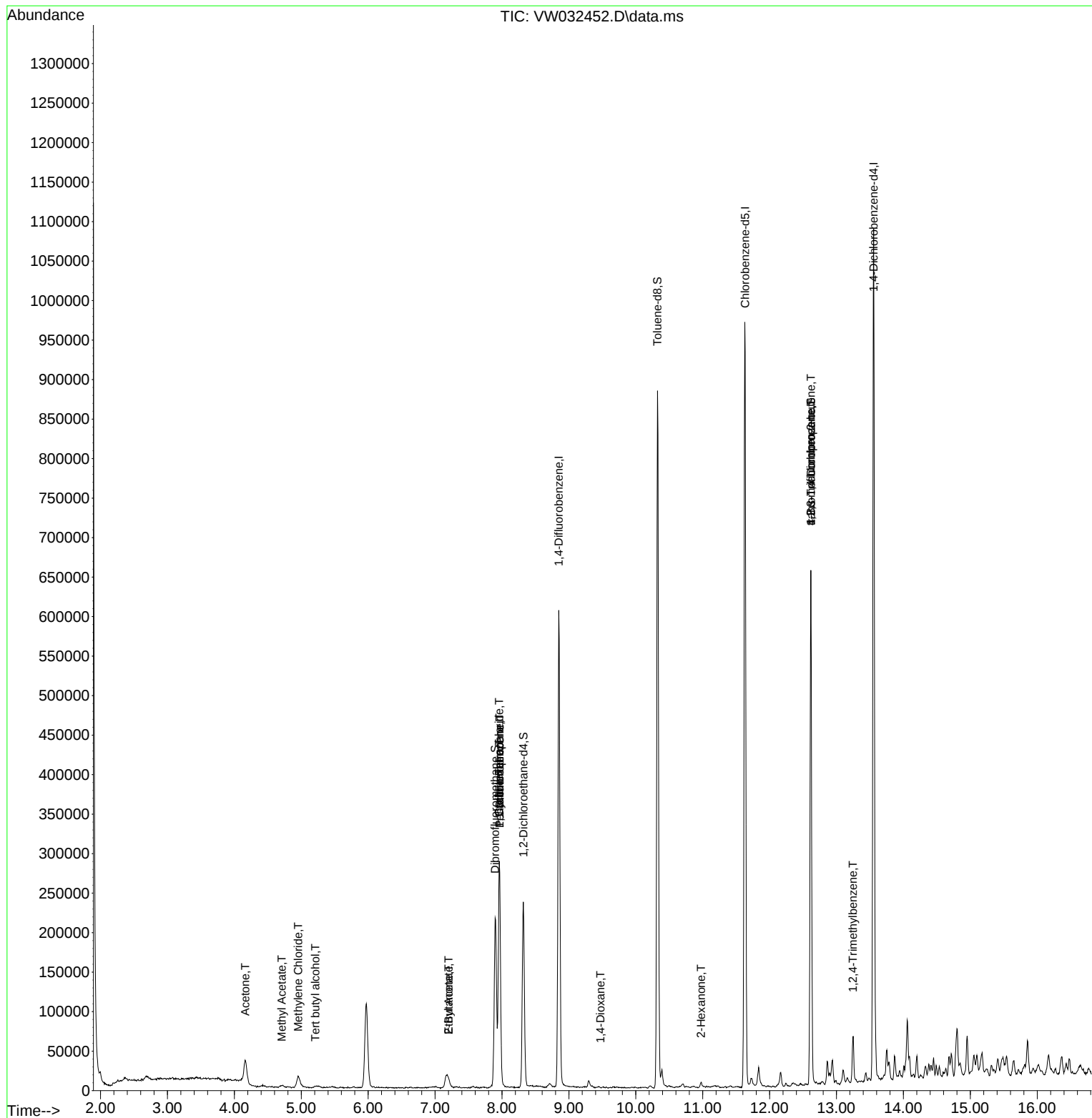
Internal Standards						
1) Pentafluorobenzene	7.965	168	199876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	500253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	538238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	278768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
25) 2-Butanone	7.203	43	15567	13.706	ug/l	98
31) Cyclohexane	7.959	56	5457	1.280	ug/l	# 24
36) 1,1-Dichloropropene	7.965	75	19000	4.305	ug/l	# 51
37) Ethyl Acetate	7.203	43	15567	4.744	ug/l	# 72
38) Carbon Tetrachloride	7.959	117	22118	5.641	ug/l	# 17
49) 1,4-Dioxane	9.471	88	57	1.968	ug/l	# 10
59) 2-Hexanone	10.977	43	4048	1.722	ug/l	91
76) 1,2,3-Trichloropropane	12.617	75	114125	29.857	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	114125	68.386	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.245	105	32765	1.907	ug/l	96

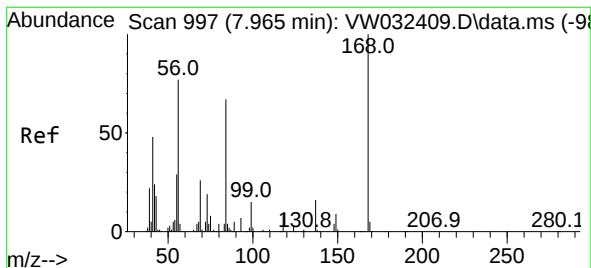
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 997

Delta R.T. 0.000 min

Lab File: VW032452.D

Acq: 17 Nov 2025 13:05

Instrument :

MSVOA_W

ClientSampleId :

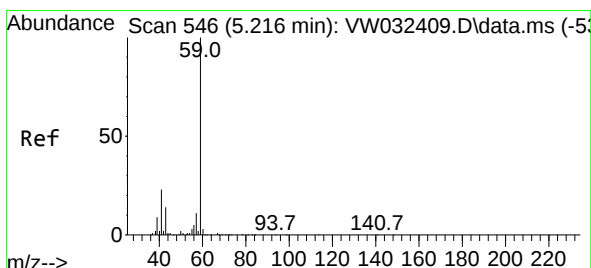
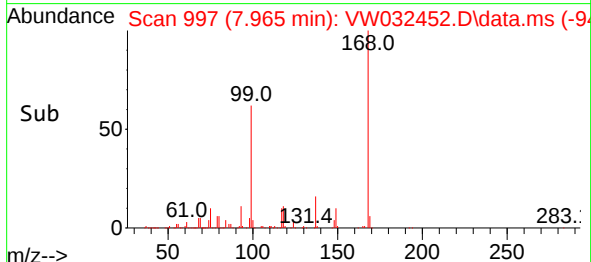
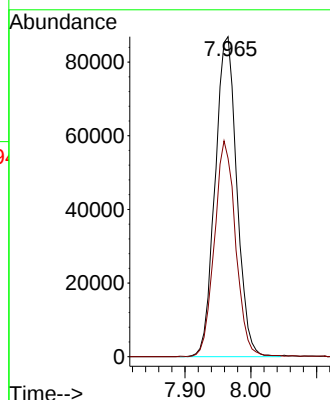
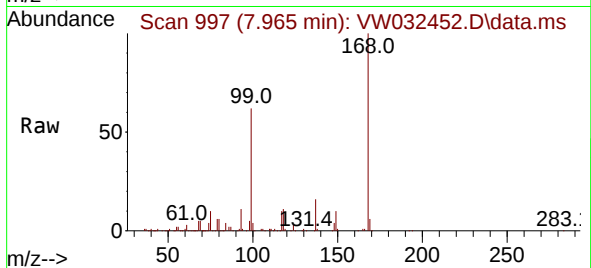
OK-02-11122025

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

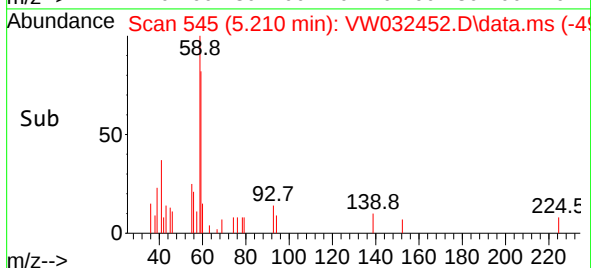
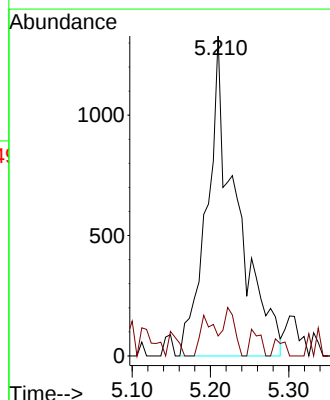
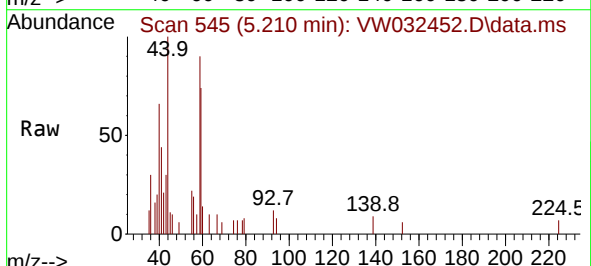
Acq: 17 Nov 2025 13:05

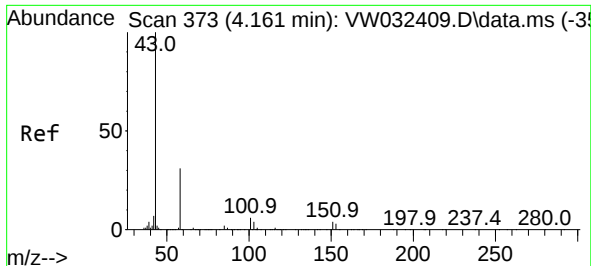
Tgt Ion: 59 Resp: 3441

Ion Ratio Lower Upper

59 100

57 5.8 8.6 12.8#

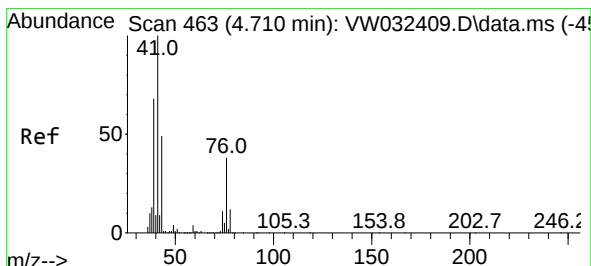
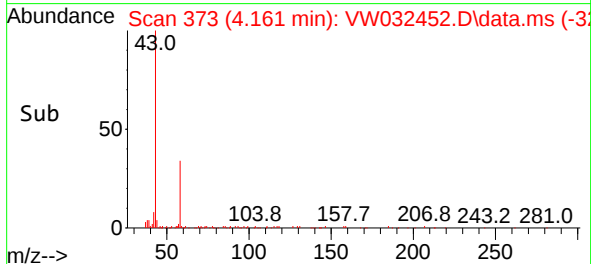
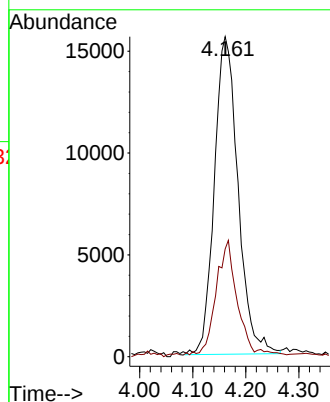
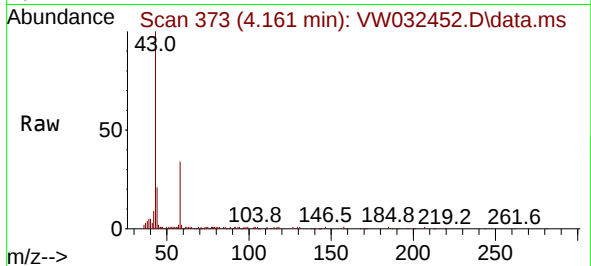




#16
Acetone
Concen: 62.801 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

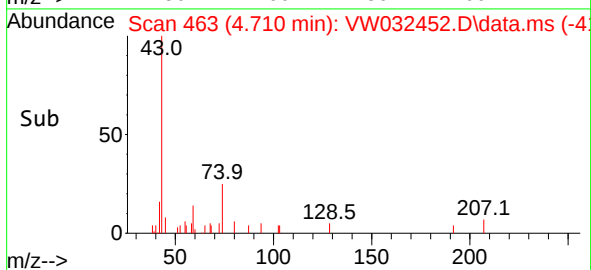
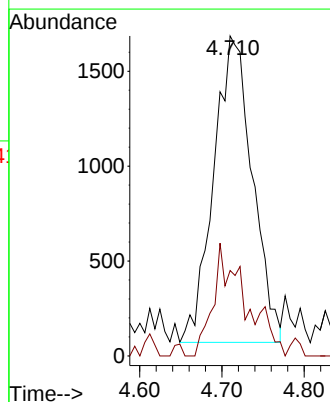
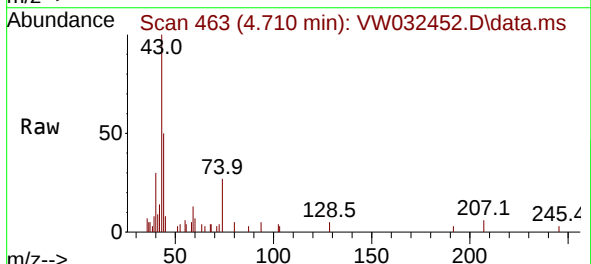
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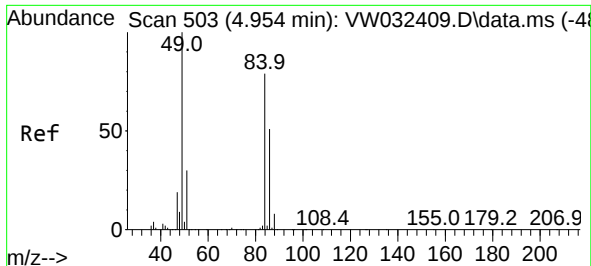
Tgt Ion: 43 Resp: 48416
Ion Ratio Lower Upper
43 100
58 33.3 24.8 37.2



#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

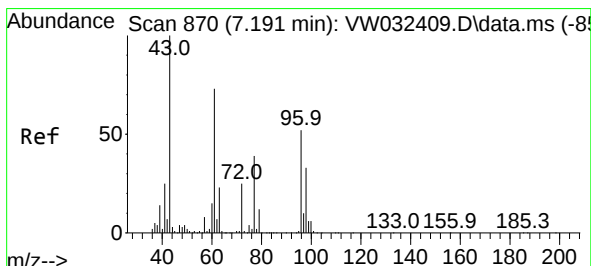
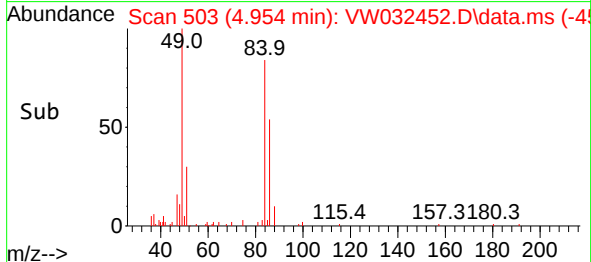
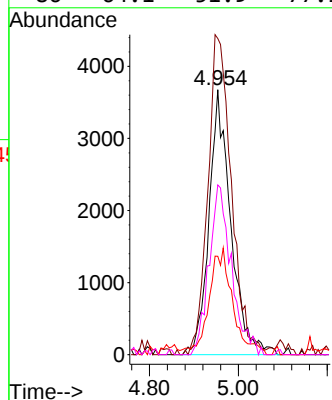
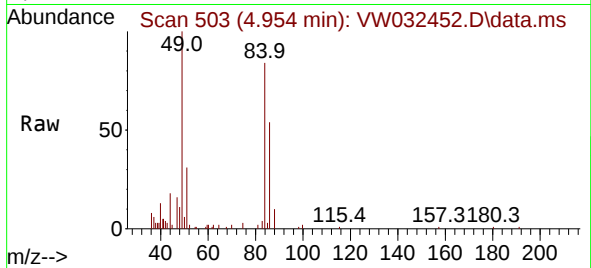




#20
Methylene Chloride
Concen: 4.557 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

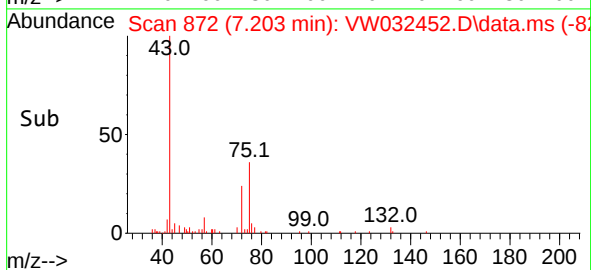
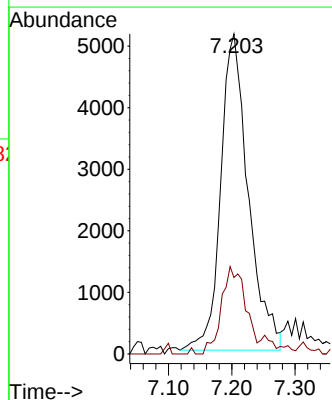
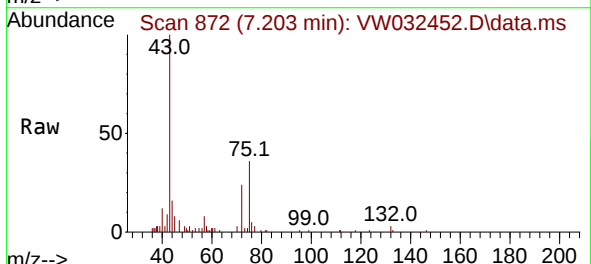
Instrument :
MSVOA_W
ClientSampleId :
OK-02-11122025

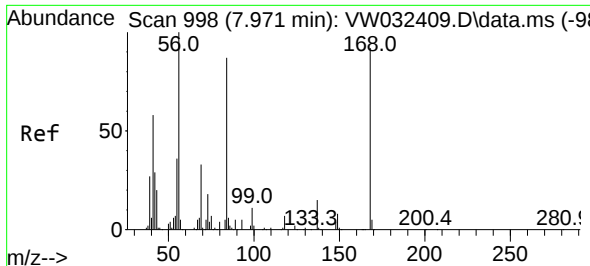
Tgt Ion:	84	Resp:	12565
Ion	Ratio	Lower	Upper
84	100		
49	119.3	101.5	152.3
51	37.2	30.6	46.0
86	64.1	51.9	77.9



#25
2-Butanone
Concen: 13.706 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

Tgt Ion:	43	Resp:	15567
Ion	Ratio	Lower	Upper
43	100		
72	24.2	20.0	30.0

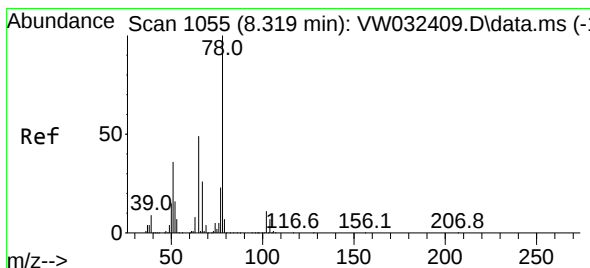
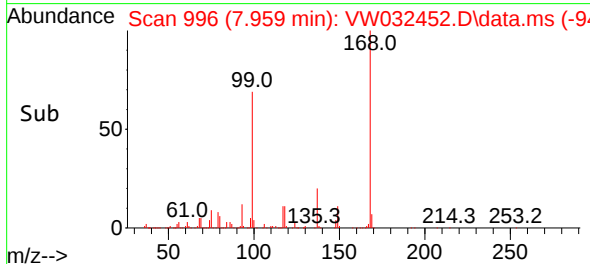
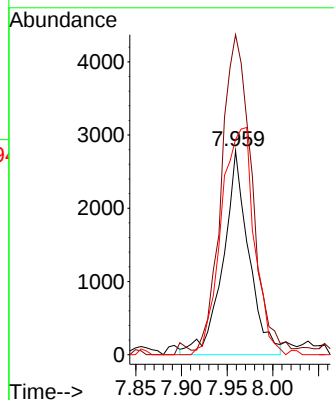
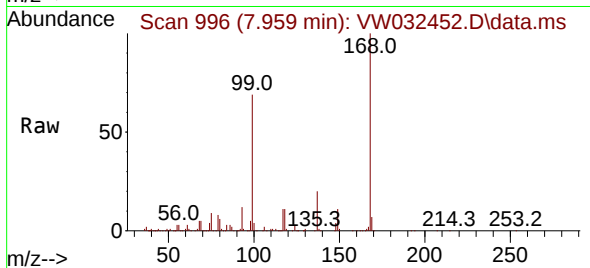




#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

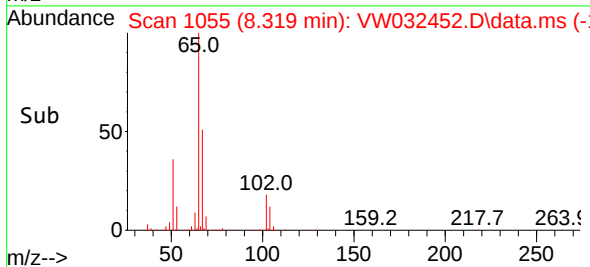
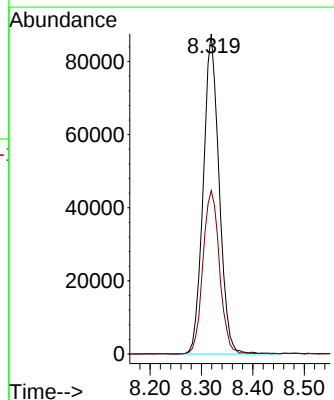
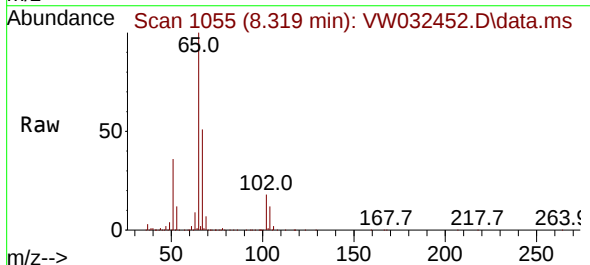
Instrument :
MSVOA_W
ClientSampleId :
OK-02-11122025

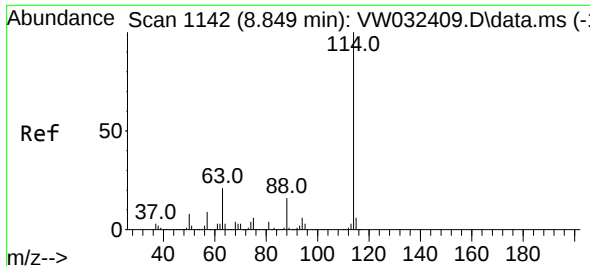
Tgt Ion: 56 Resp: 5457
Ion Ratio Lower Upper
56 100
69 155.5 26.5 39.7#
84 108.4 69.6 104.4#



#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

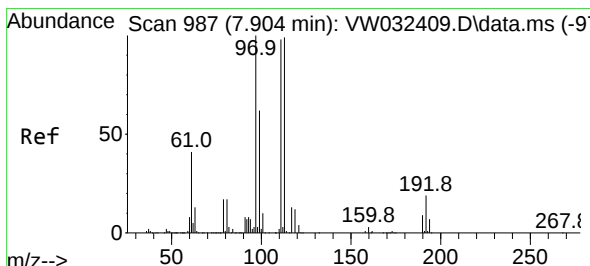
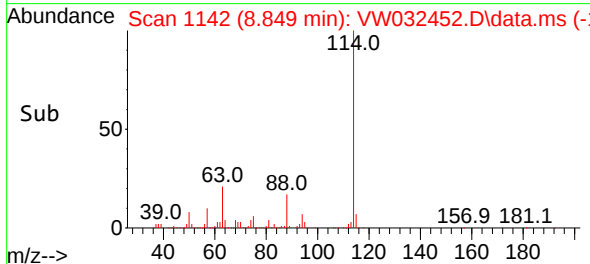
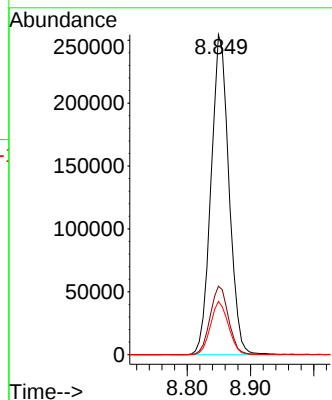
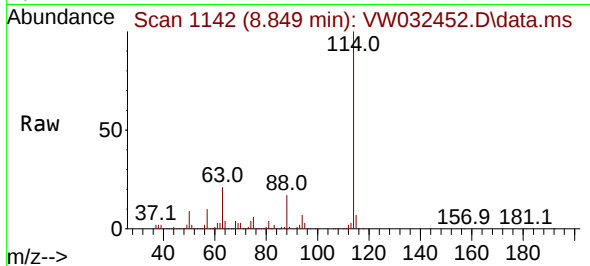




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

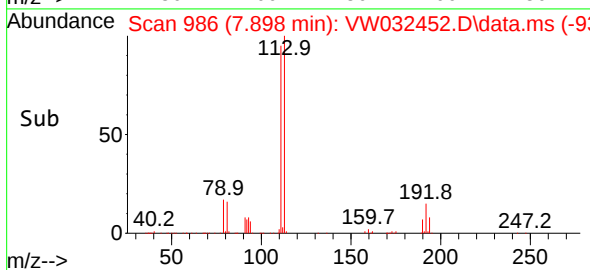
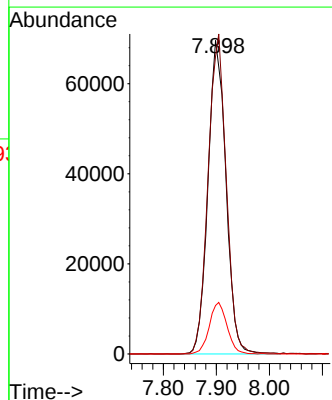
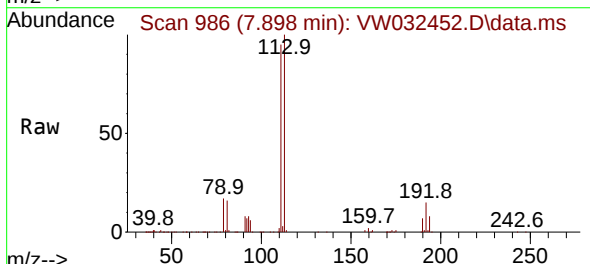
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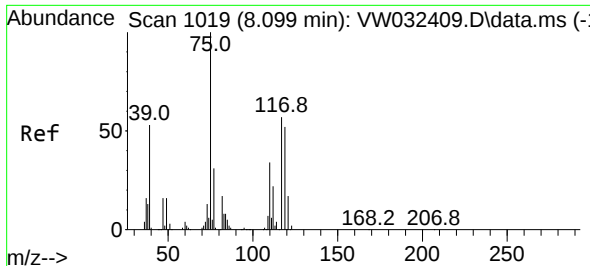
Tgt Ion:114 Resp: 500253
Ion Ratio Lower Upper
114 100
63 21.4 0.0 41.8
88 16.6 0.0 32.6



#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

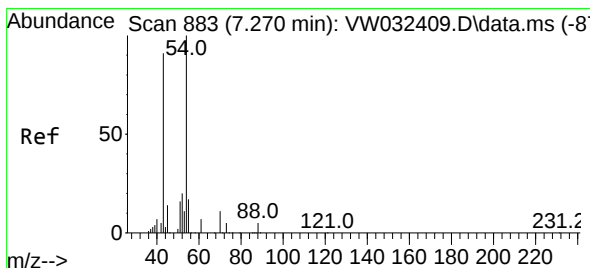
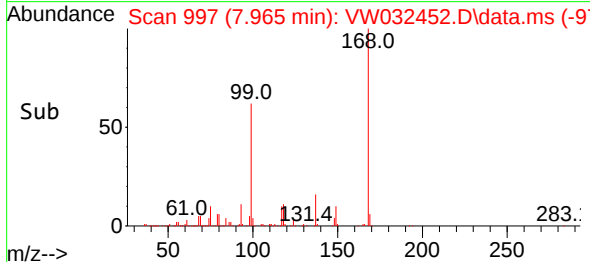
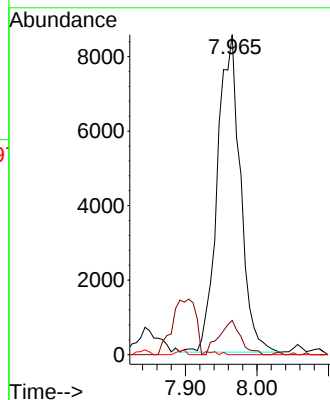
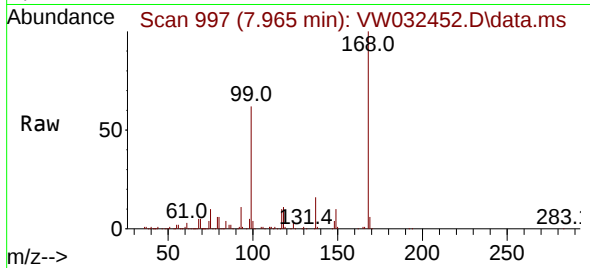




#36
1,1-Dichloropropene
Concen: 4.305 ug/l
RT: 7.965 min Scan# 91
Delta R.T. -0.134 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

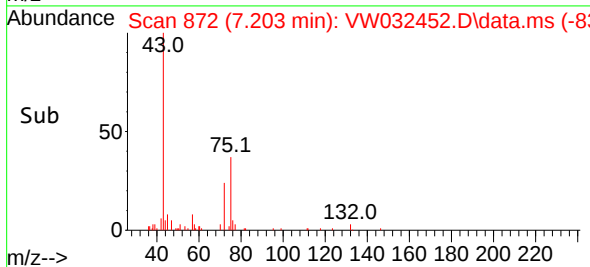
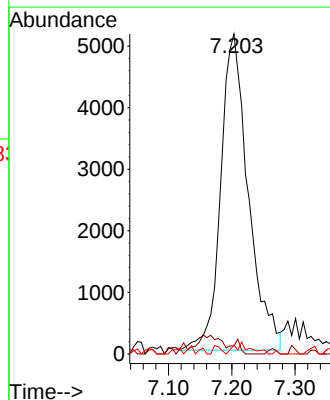
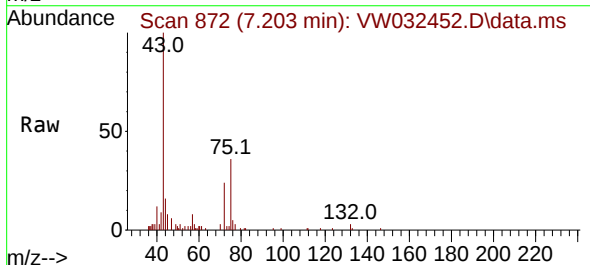
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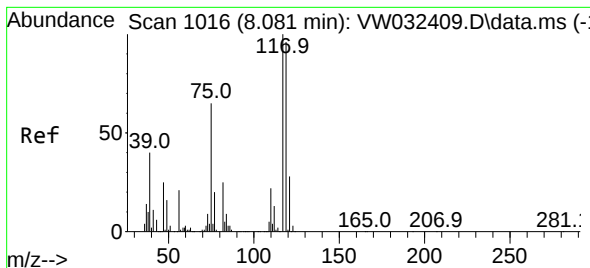
Tgt Ion: 75 Resp: 19000
Ion Ratio Lower Upper
75 100
110 10.1 17.2 51.5#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 4.744 ug/l
RT: 7.203 min Scan# 872
Delta R.T. -0.067 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

Tgt Ion: 43 Resp: 15567
Ion Ratio Lower Upper
43 100
61 0.7 11.0 16.6#
70 2.0 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 5.641 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032452.D

Acq: 17 Nov 2025 13:05

Instrument :

MSVOA_W

ClientSampleId :

OK-02-11122025

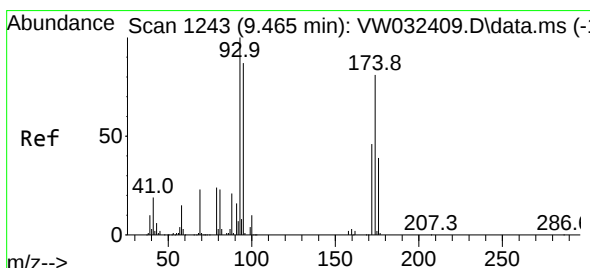
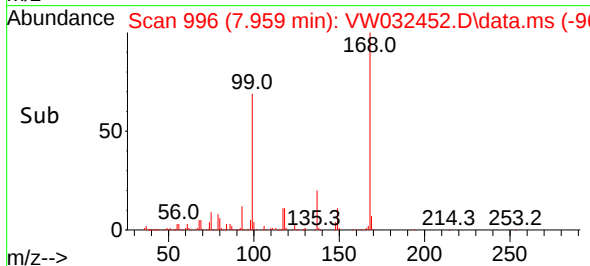
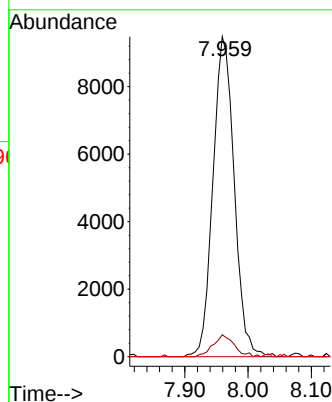
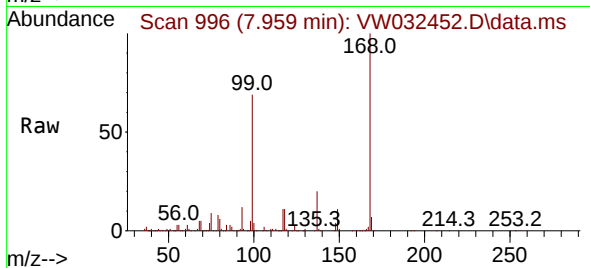
Tgt Ion:117 Resp: 22118

Ion Ratio Lower Upper

117 100

119 6.9 77.0 115.4#

121 0.0 22.0 33.0#



#49

1,4-Dioxane

Concen: 1.968 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW032452.D

Acq: 17 Nov 2025 13:05

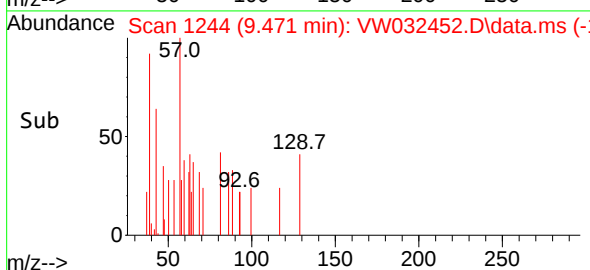
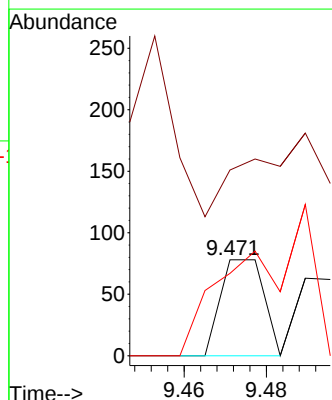
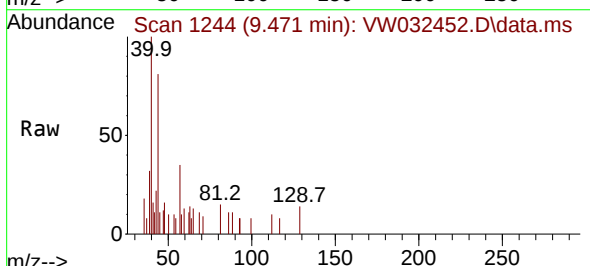
Tgt Ion: 88 Resp: 57

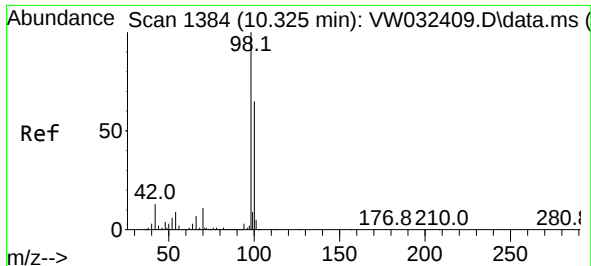
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 63.0 94.4#

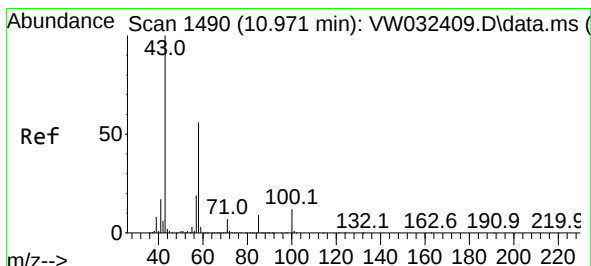
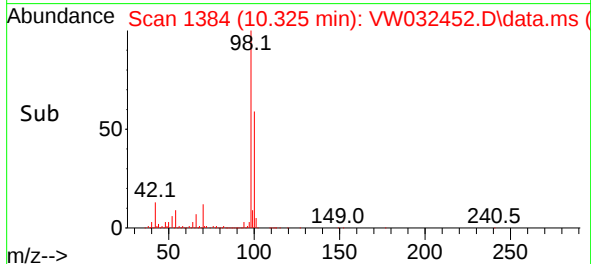
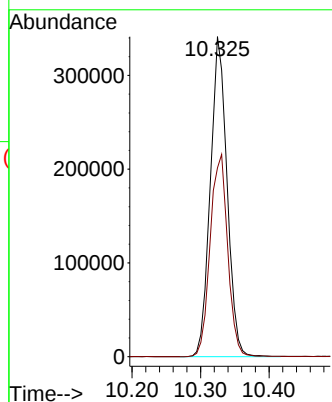
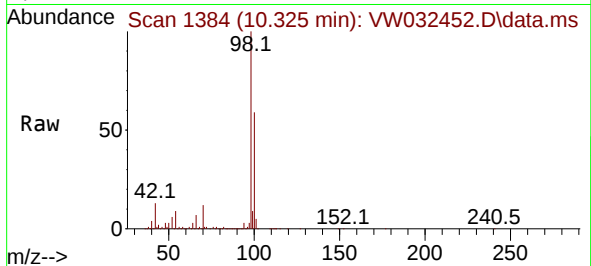




#50
Toluene-d8
Concen: 50.420 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

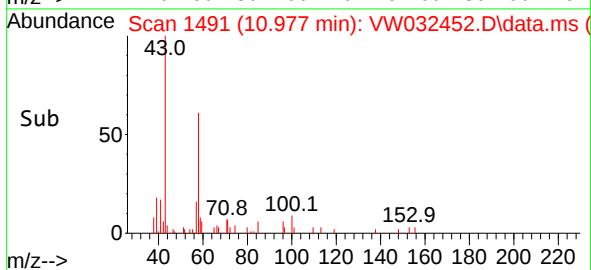
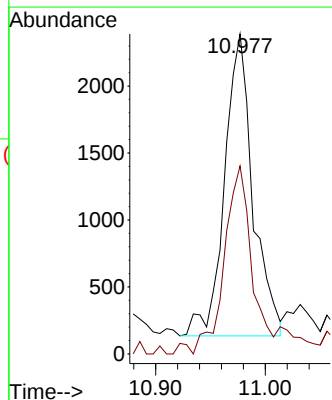
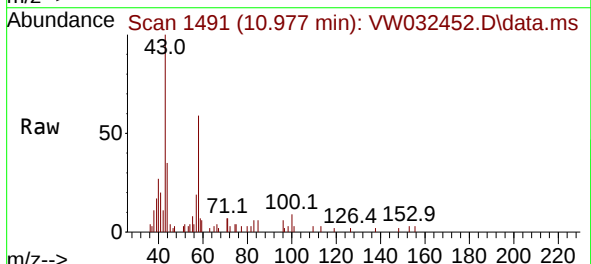
Instrument :
MSVOA_W
ClientSampleId :
OK-02-11122025

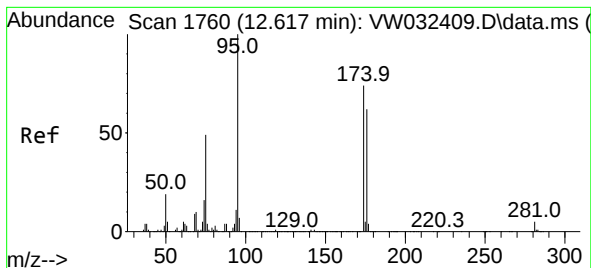
Tgt Ion: 98 Resp: 579345
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9



#59
2-Hexanone
Concen: 1.722 ug/l
RT: 10.977 min Scan# 1491
Delta R.T. 0.006 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

Tgt Ion: 43 Resp: 4048
Ion Ratio Lower Upper
43 100
58 61.0 27.4 82.2

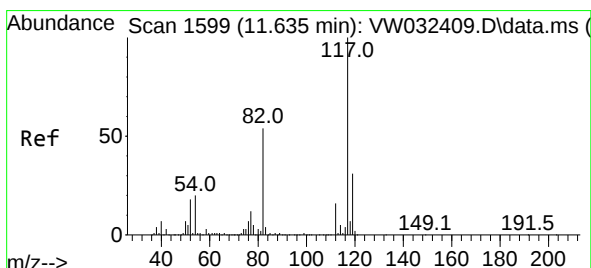
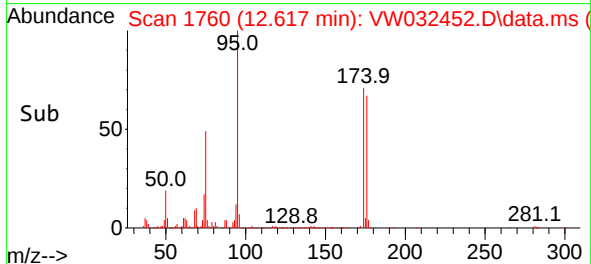
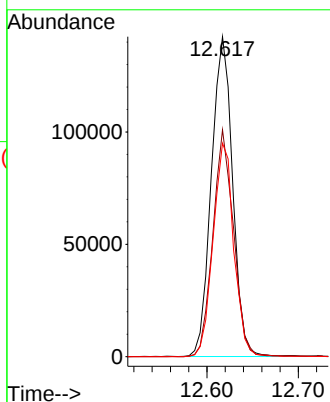
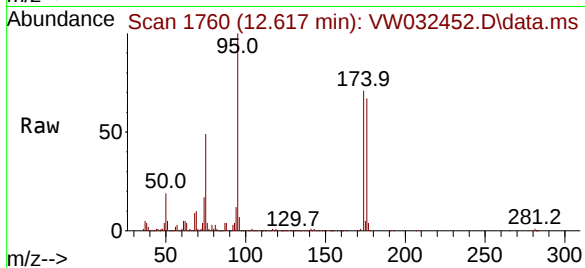




#62
4-Bromofluorobenzene
Concen: 52.773 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

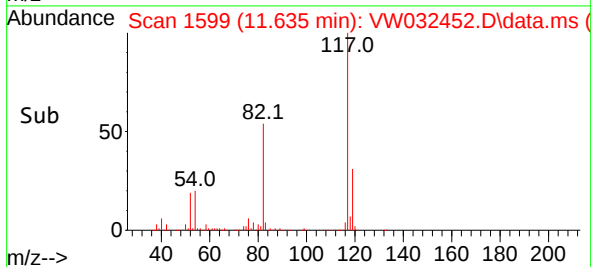
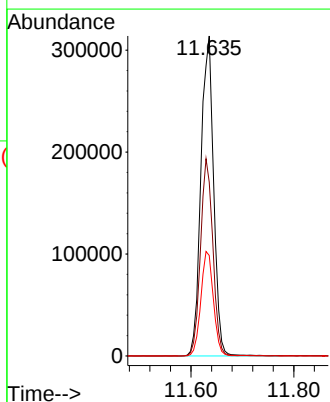
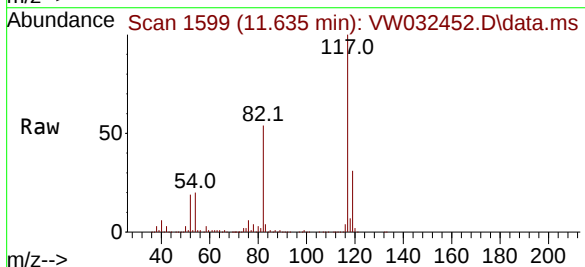
Instrument :
MSVOA_W
ClientSampleId :
OK-02-11122025

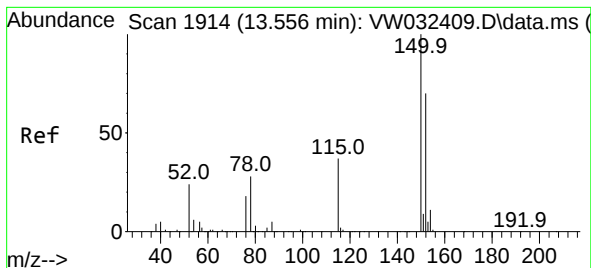
Tgt Ion: 95 Resp: 229064
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.4
176 65.7 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

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

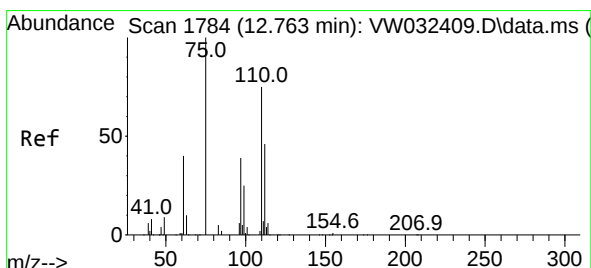
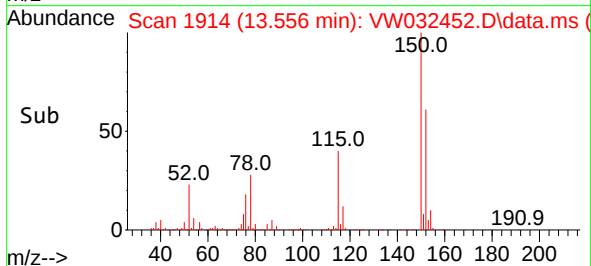
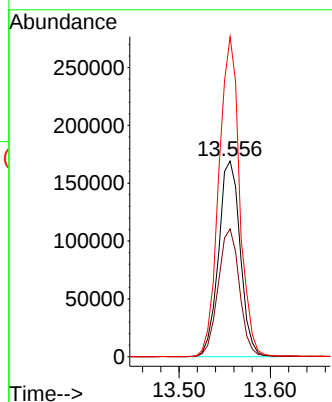
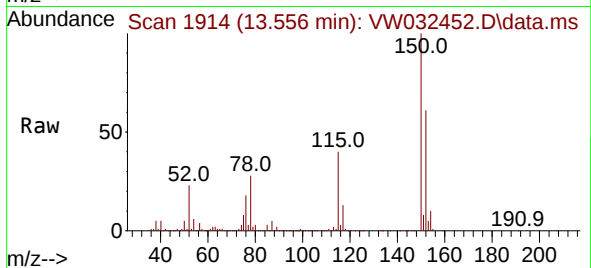




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032452.D
 Acq: 17 Nov 2025 13:05

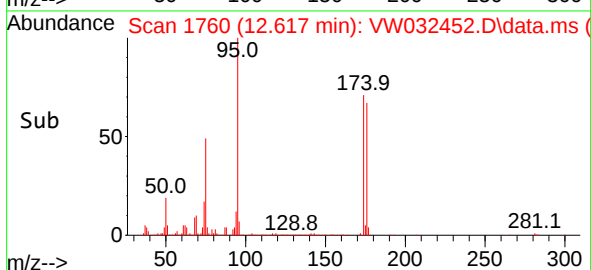
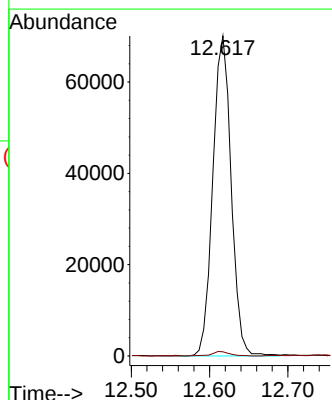
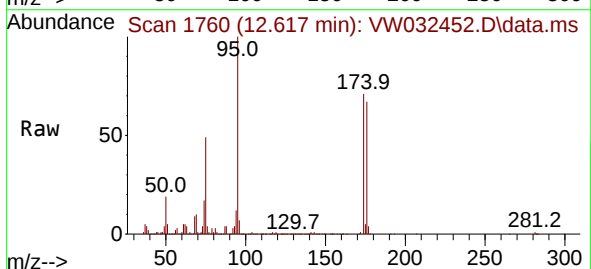
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-11122025

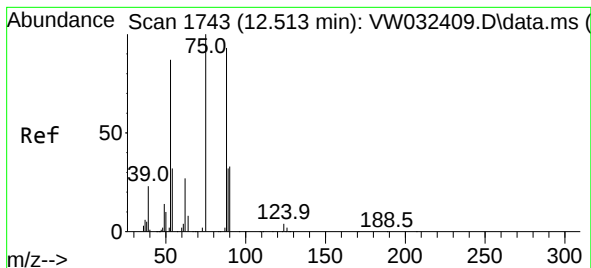
Tgt Ion:152 Resp: 278768
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.8 98.3
 150 157.1 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 29.857 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032452.D
 Acq: 17 Nov 2025 13:05

Tgt Ion: 75 Resp: 114125
 Ion Ratio Lower Upper
 75 100
 77 1.4 151.6 454.8#

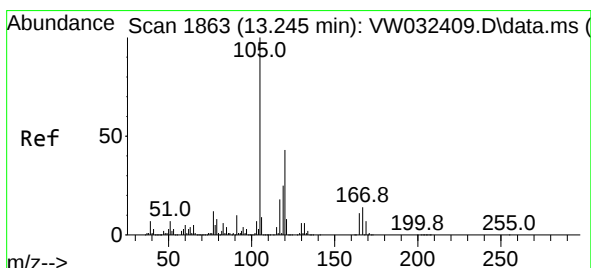
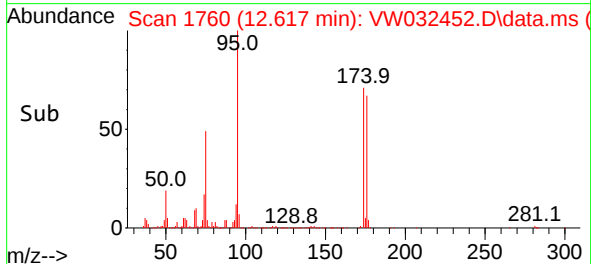
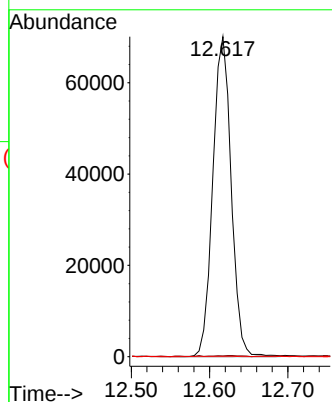
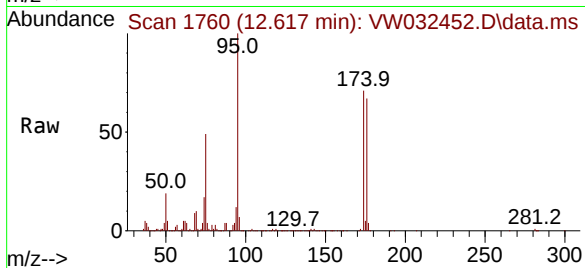




#81
trans-1,4-Dichloro-2-butene
Concen: 68.386 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032452.D
Acq: 17 Nov 2025 13:05

Instrument :
MSVOA_W
ClientSampleId :
OK-02-11122025

Tgt Ion: 75 Resp: 114125
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.0 35.6 53.4#



#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

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

