

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032447.D
 Acq On : 17 Nov 2025 10:59
 Operator : SY/MD
 Sample : VW1117SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1117SBL01

Quant Time: Nov 18 03:01:35 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)

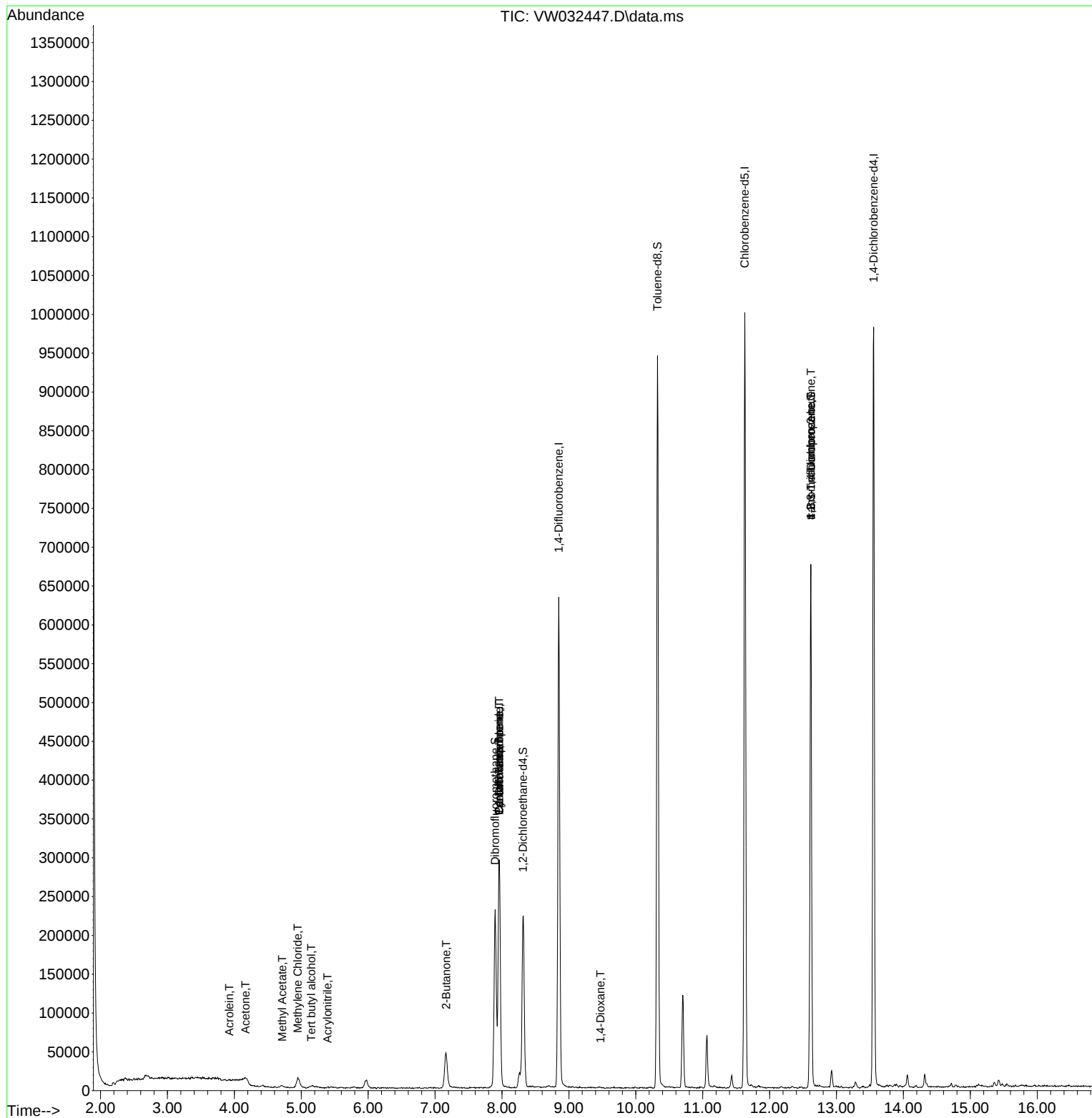
Internal Standards						
1) Pentafluorobenzene	7.959	168	216459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	512667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	543550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	253481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	180936	64.836	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 129.680%			
35) Dibromofluoromethane	7.898	113	169049	55.075	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 110.140%			
50) Toluene-d8	10.325	98	620130	52.663	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.320%			
62) 4-Bromofluorobenzene	12.617	95	229486	51.590	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.180%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.149	59	1913	7.928	ug/l #	86
13) Acrolein	3.923	56	481	1.188	ug/l #	49
15) Acrylonitrile	5.393	53	1046	1.188	ug/l #	66
16) Acetone	4.167	43	7288	8.729	ug/l	99
18) Methyl Acetate	4.716	43	5332	2.579	ug/l #	85
20) Methylene Chloride	4.948	84	10145	3.398	ug/l	87
25) 2-Butanone	7.167	43	2299	1.869	ug/l	97
31) Cyclohexane	7.959	56	4988	1.080	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	19017	4.205	ug/l #	50
38) Carbon Tetrachloride	7.959	117	23075	5.742	ug/l #	16
49) 1,4-Dioxane	9.471	88	50	1.684	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	114114	32.833	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	114114	75.201	ug/l #	11

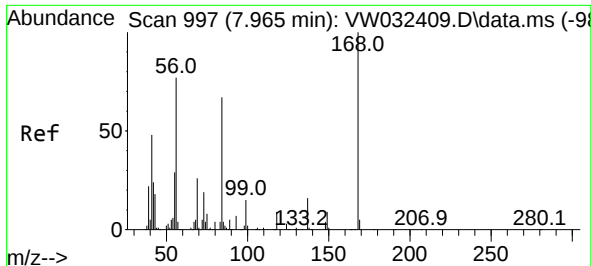
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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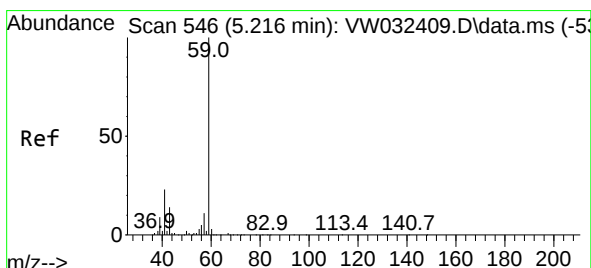
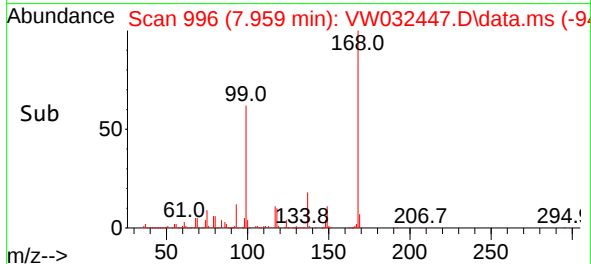
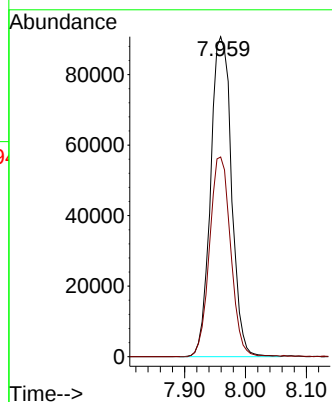
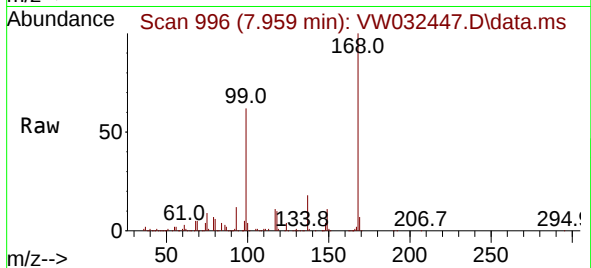




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

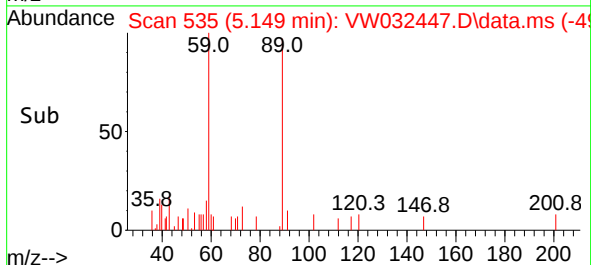
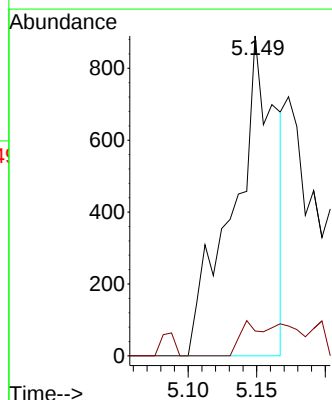
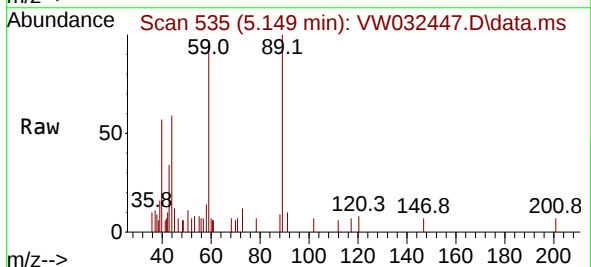
Instrument :
MSVOA_W
ClientSampleId :
VW1117SBL01

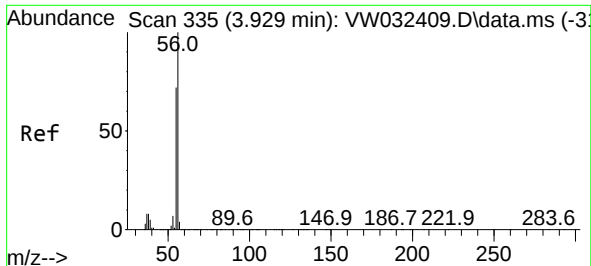
Tgt Ion:168 Resp: 216459
Ion Ratio Lower Upper
168 100
99 62.4 45.4 68.2



#11
Tert butyl alcohol
Concen: 7.928 ug/l
RT: 5.149 min Scan# 535
Delta R.T. -0.067 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion: 59 Resp: 1913
Ion Ratio Lower Upper
59 100
57 5.4 8.6 12.8#

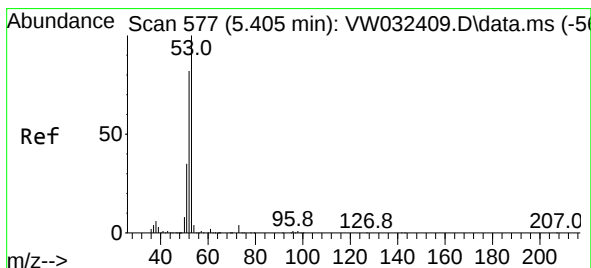
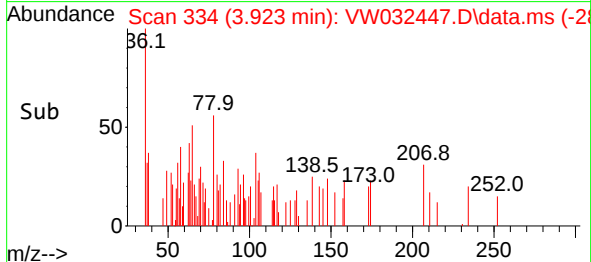
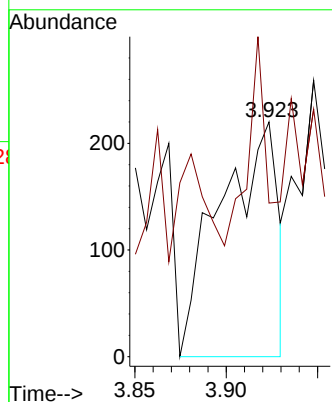
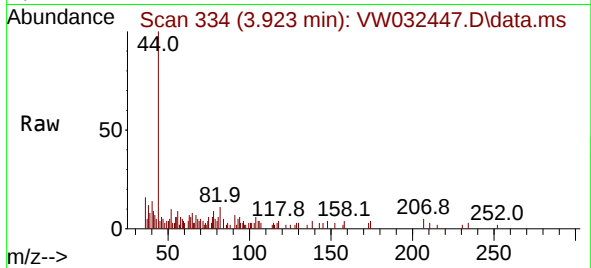




#13
Acrolein
Concen: 1.188 ug/l
RT: 3.923 min Scan# 311
Delta R.T. -0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

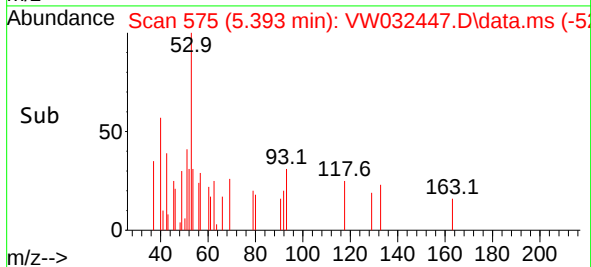
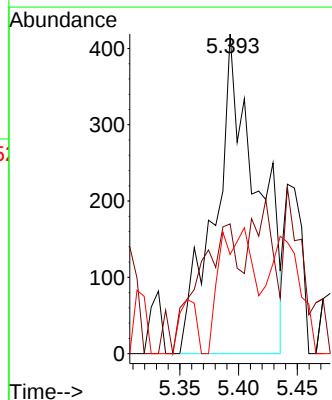
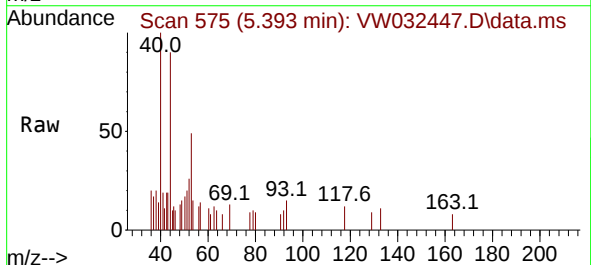
Instrument :
MSVOA_W
ClientSampleId :
VW1117SBL01

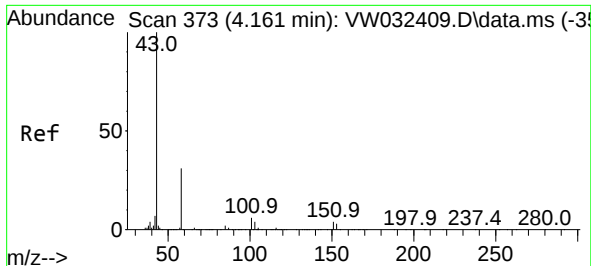
Tgt Ion: 56 Resp: 481
Ion Ratio Lower Upper
56 100
55 28.5 56.3 84.5#



#15
Acrylonitrile
Concen: 1.188 ug/l
RT: 5.393 min Scan# 575
Delta R.T. -0.012 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion: 53 Resp: 1046
Ion Ratio Lower Upper
53 100
52 41.8 66.4 99.6#
51 31.1 28.6 43.0

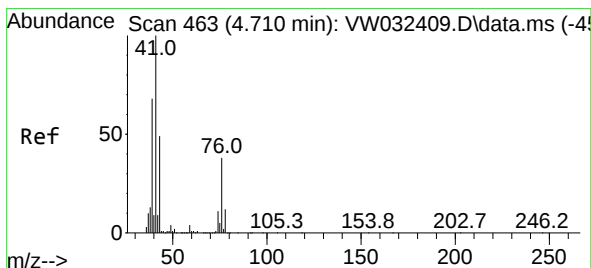
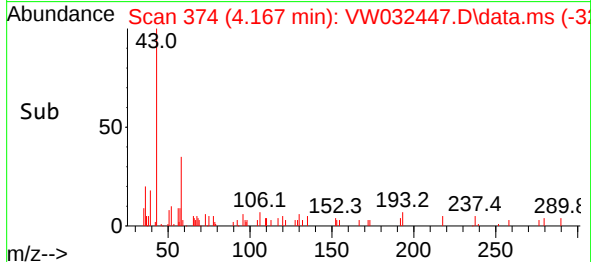
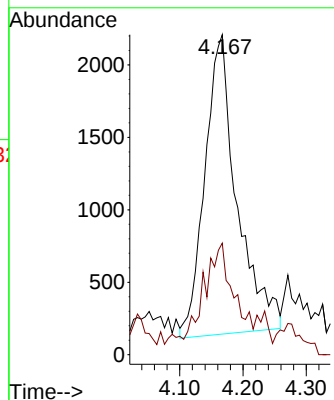
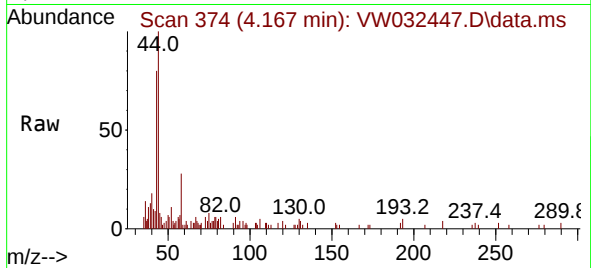




#16
Acetone
Concen: 8.729 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

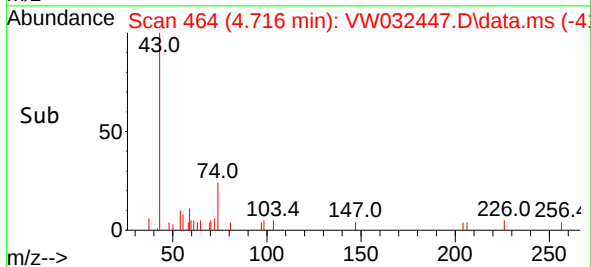
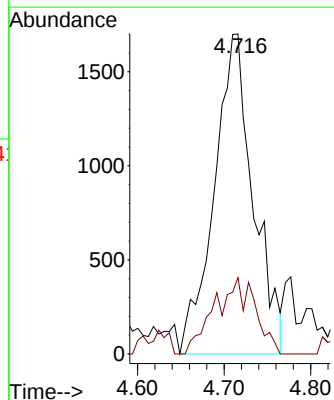
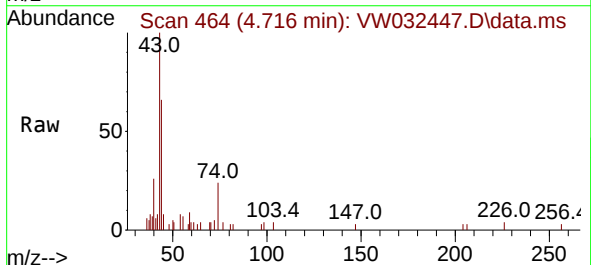
Instrument :
MSVOA_W
ClientSampleId :
VW1117SBL01

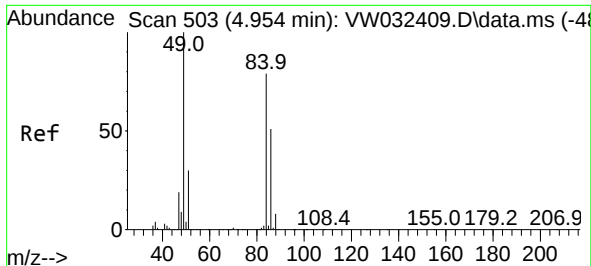
Tgt Ion: 43 Resp: 7288
Ion Ratio Lower Upper
43 100
58 31.7 24.8 37.2



#18
Methyl Acetate
Concen: 2.579 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion: 43 Resp: 5332
Ion Ratio Lower Upper
43 100
74 16.4 18.9 28.3#

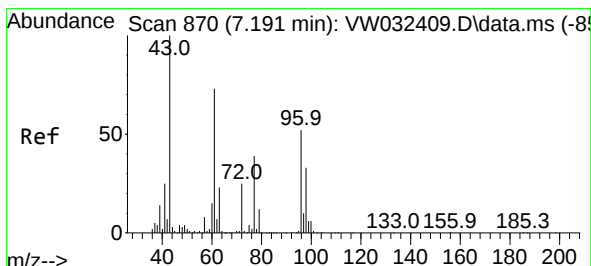
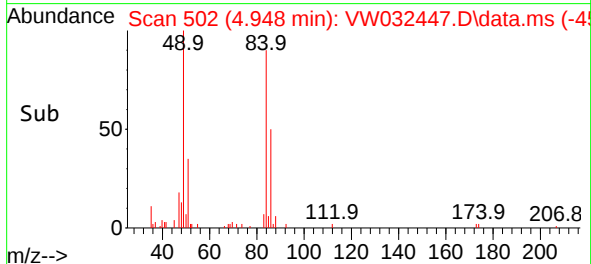
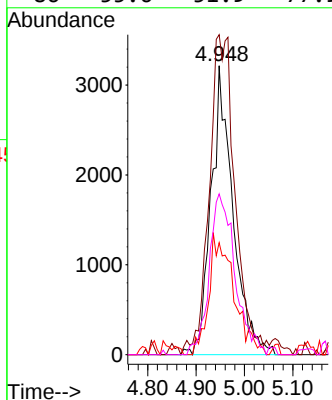
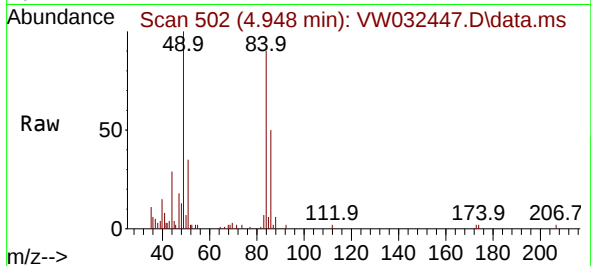




#20
Methylene Chloride
Concen: 3.398 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

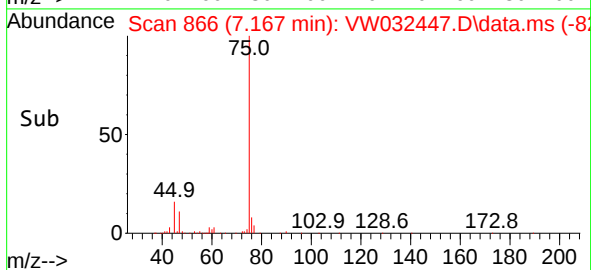
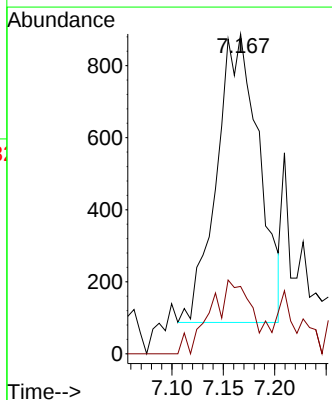
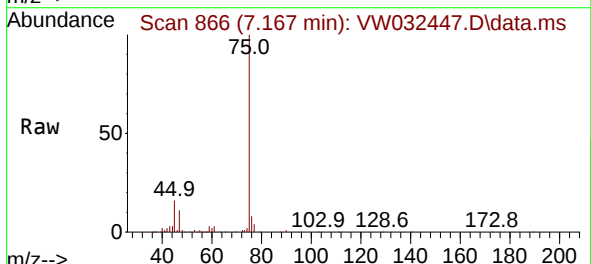
Instrument :
MSVOA_W
ClientSampleId :
VW1117SBL01

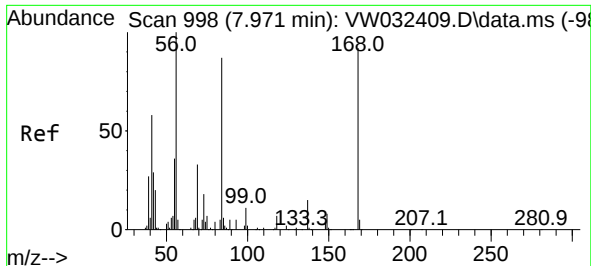
Tgt Ion:	84	Resp:	10145
Ion	Ratio	Lower	Upper
84	100		
49	108.2	101.5	152.3
51	36.3	30.6	46.0
86	55.6	51.9	77.9



#25
2-Butanone
Concen: 1.869 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion:	43	Resp:	2299
Ion	Ratio	Lower	Upper
43	100		
72	23.3	20.0	30.0

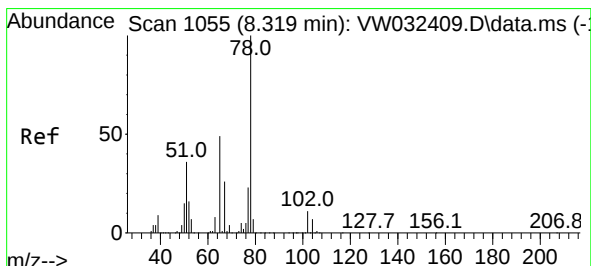
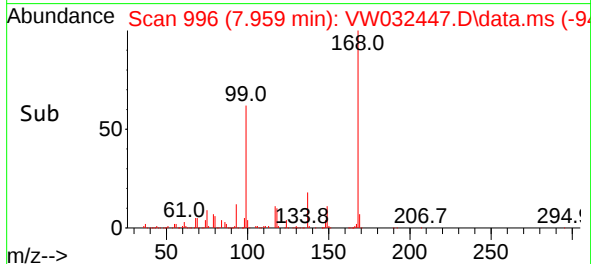
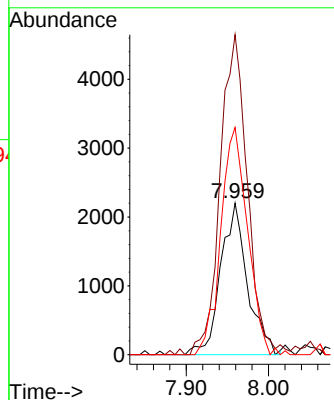
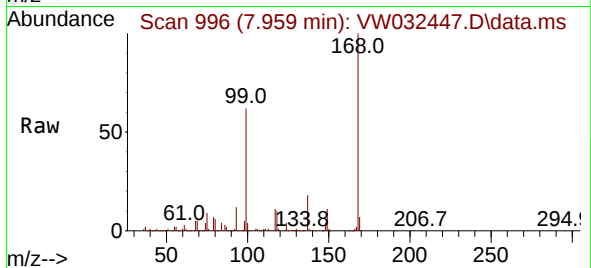




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

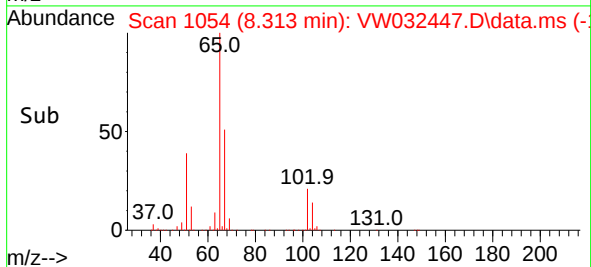
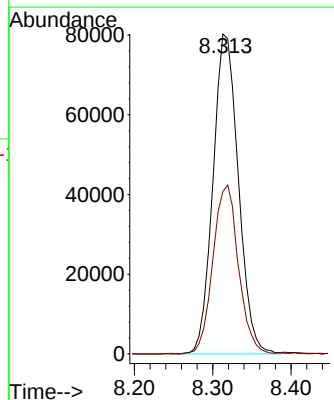
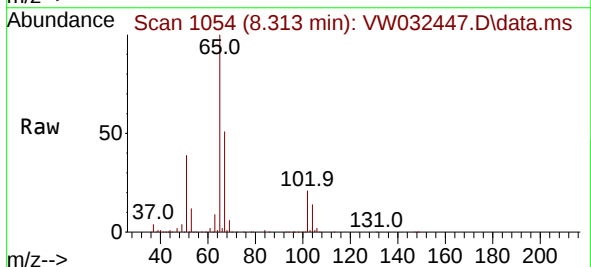
Instrument :
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ClientSampleId :
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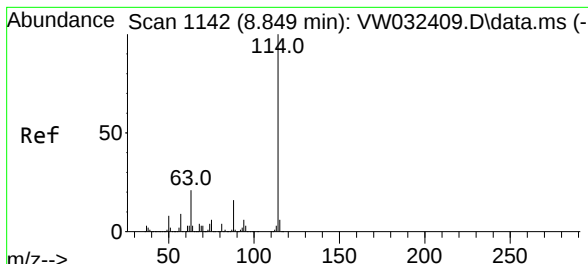
Tgt Ion: 56 Resp: 4988
Ion Ratio Lower Upper
56 100
69 207.5 26.5 39.7#
84 150.0 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 64.836 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion: 65 Resp: 180936
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8

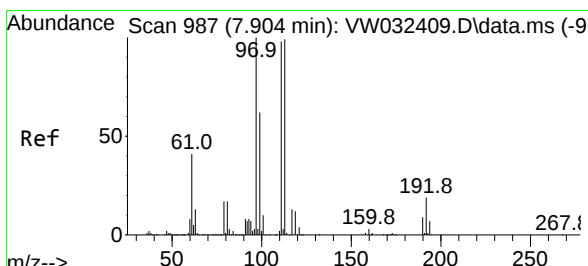
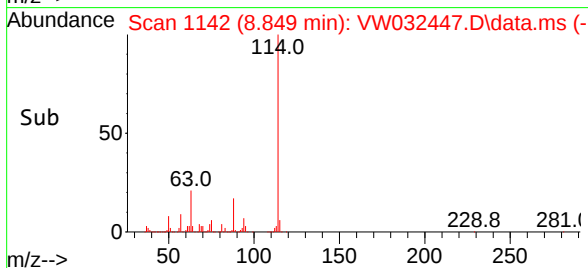
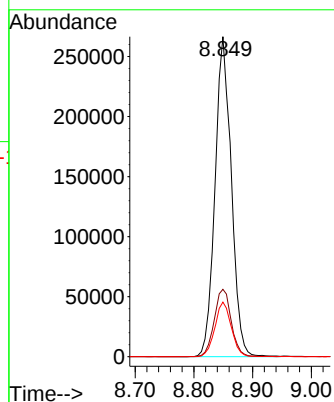
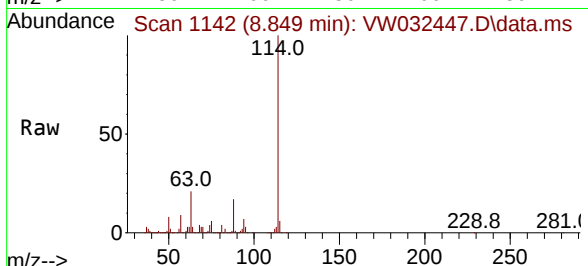




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032447.D
 Acq: 17 Nov 2025 10:59

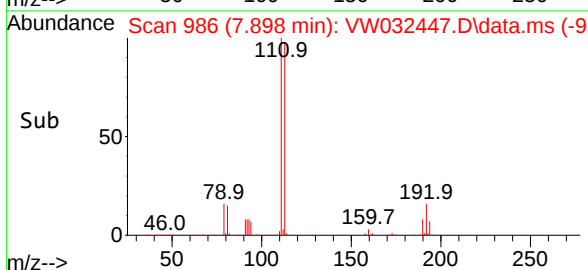
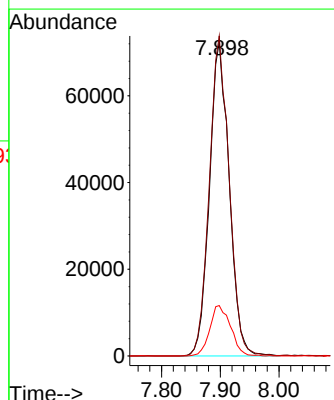
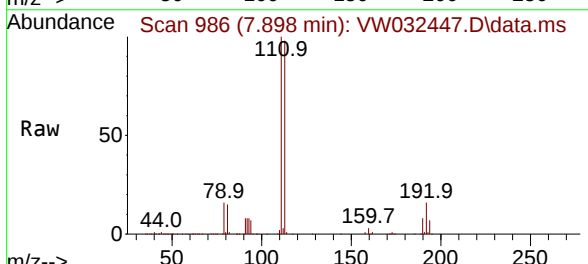
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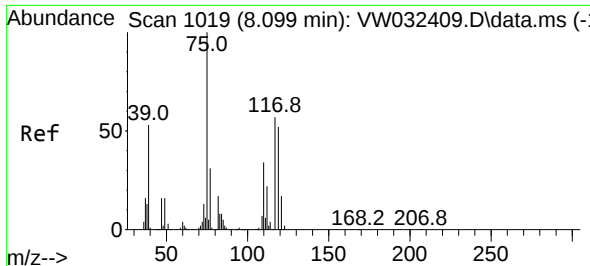
Tgt Ion:	114	Resp:	512667
Ion Ratio	Lower	Upper	
114	100		
63	21.0	0.0	41.8
88	17.0	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 55.075 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032447.D
 Acq: 17 Nov 2025 10:59

Tgt Ion:	113	Resp:	169049
Ion Ratio	Lower	Upper	
113	100		
111	102.3	83.1	124.7
192	17.0	13.4	20.2

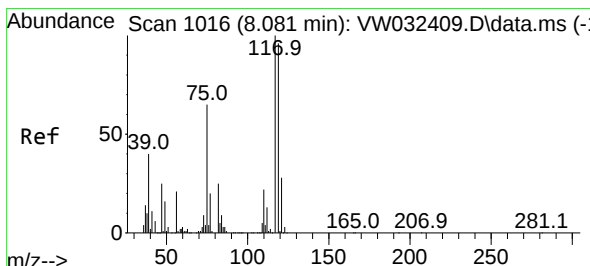
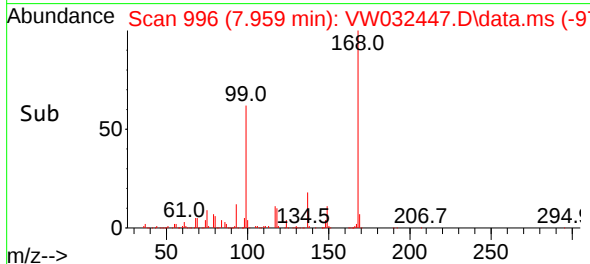
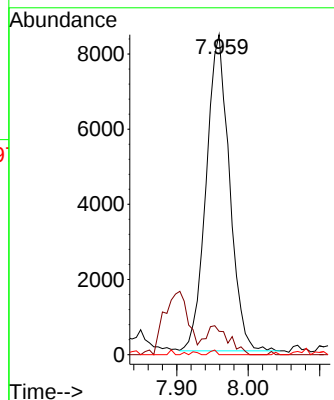
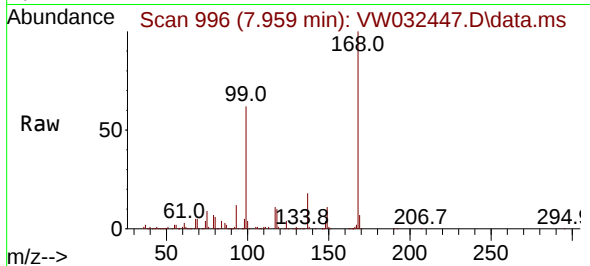




#36
 1,1-Dichloropropene
 Concen: 4.205 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032447.D
 Acq: 17 Nov 2025 10:59

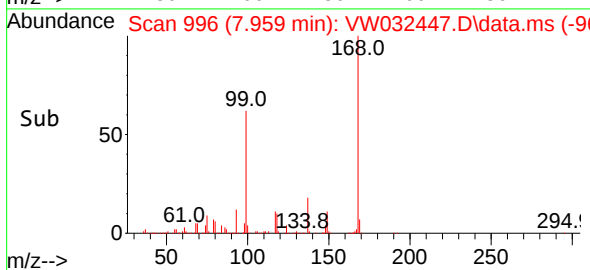
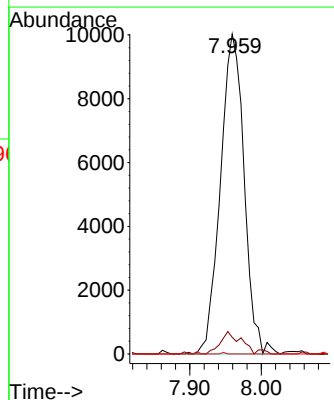
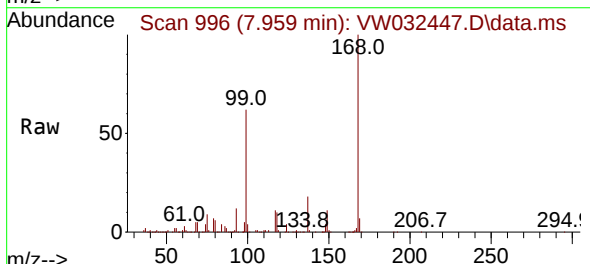
Instrument :
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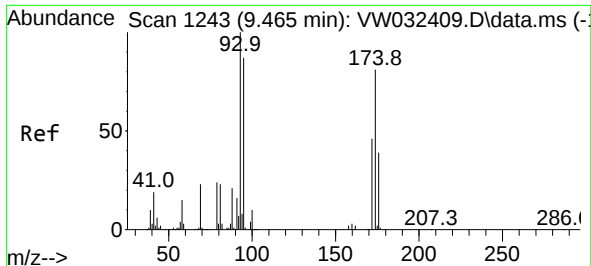
Tgt Ion: 75 Resp: 19017
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.2 51.5#
 77 0.4 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.742 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032447.D
 Acq: 17 Nov 2025 10:59

Tgt Ion: 117 Resp: 23075
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.0 115.4#
 121 0.0 22.0 33.0#

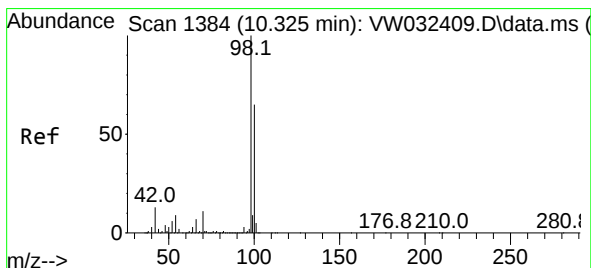
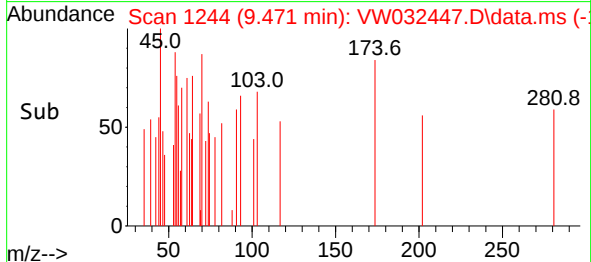
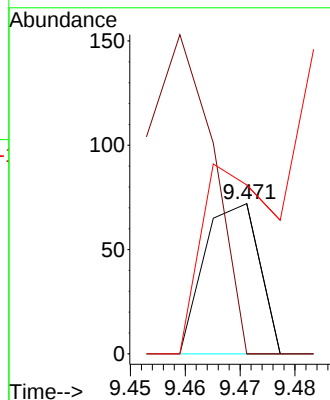
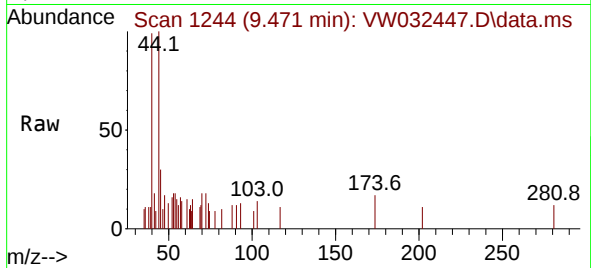




#49
1,4-Dioxane
Concen: 1.684 ug/l
RT: 9.471 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

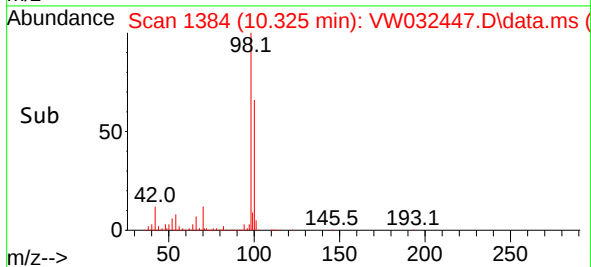
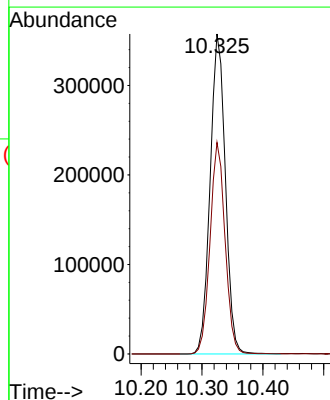
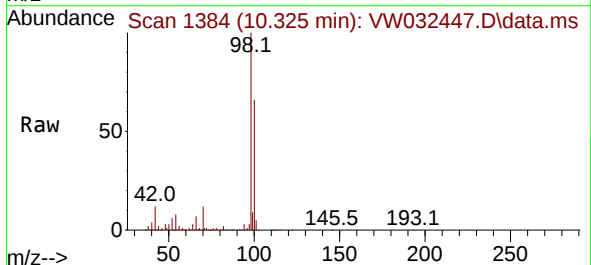
Instrument :
MSVOA_W
ClientSampleId :
VW1117SBL01

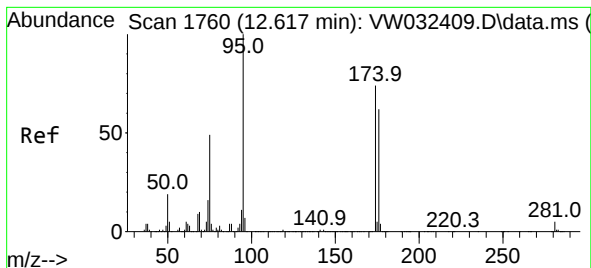
Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 280.0 63.0 94.4#



#50
Toluene-d8
Concen: 52.663 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion: 98 Resp: 620130
Ion Ratio Lower Upper
98 100
100 65.2 53.3 79.9

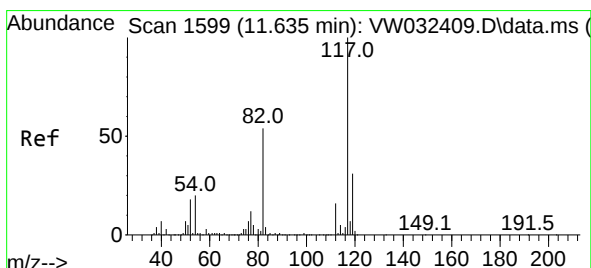
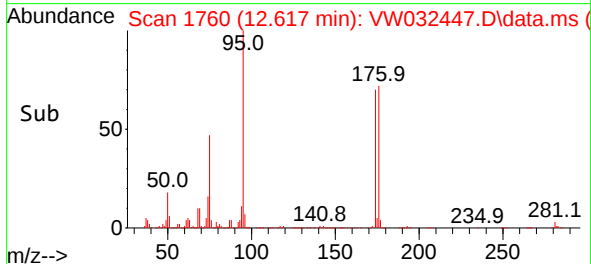
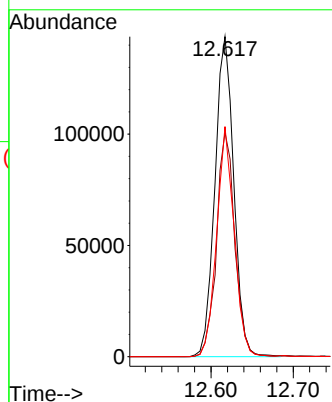
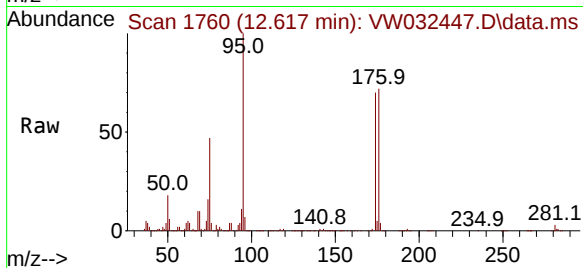




#62
4-Bromofluorobenzene
Concen: 51.590 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

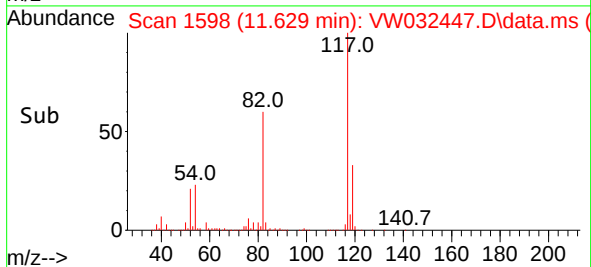
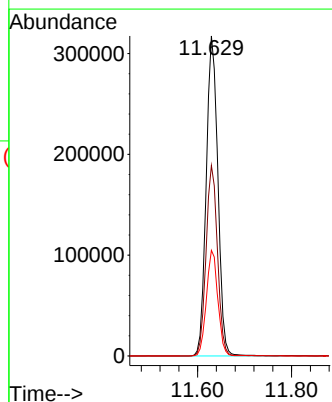
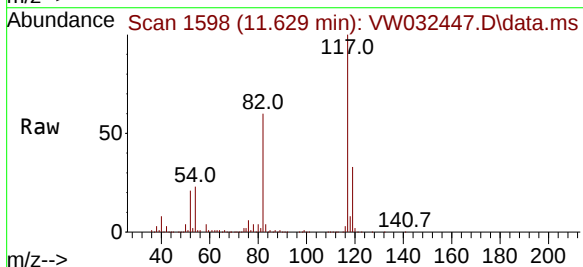
Instrument :
MSVOA_W
ClientSampleId :
VW1117SBL01

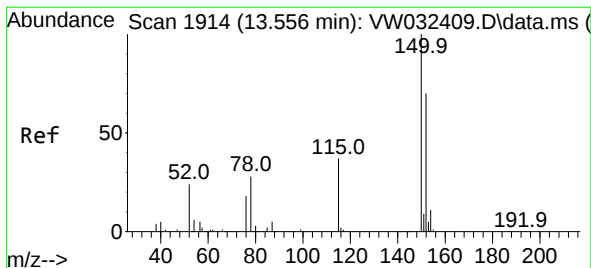
Tgt Ion: 95 Resp: 229486
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.4
176 66.9 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion: 117 Resp: 543550
Ion Ratio Lower Upper
117 100
82 59.5 43.0 64.4
119 33.0 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: VW032447.D

Acq: 17 Nov 2025 10:59

Instrument :

MSVOA_W

ClientSampleId :

VW1117SBL01

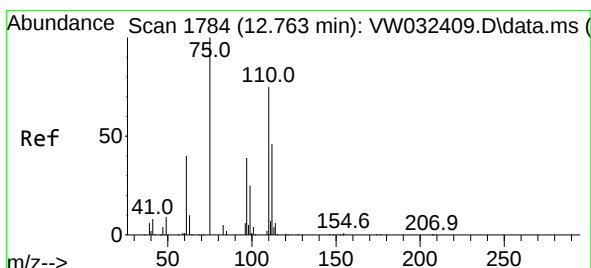
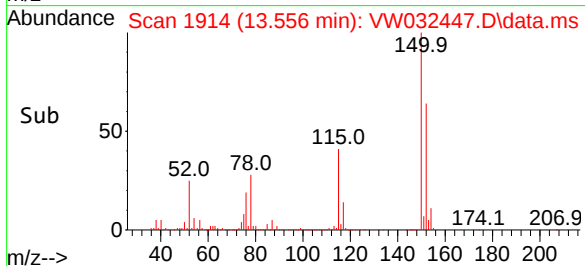
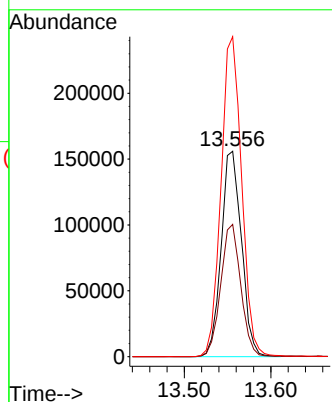
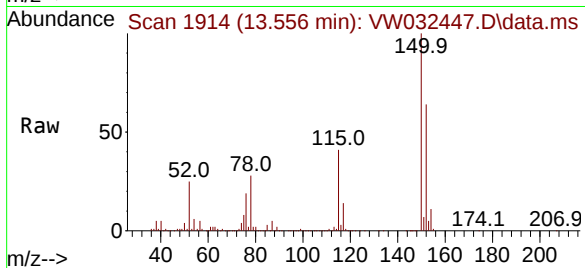
Tgt Ion:152 Resp: 253481

Ion Ratio Lower Upper

152 100

115 63.8 32.8 98.3

150 158.8 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 32.833 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032447.D

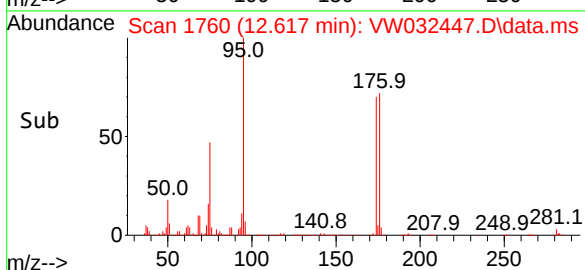
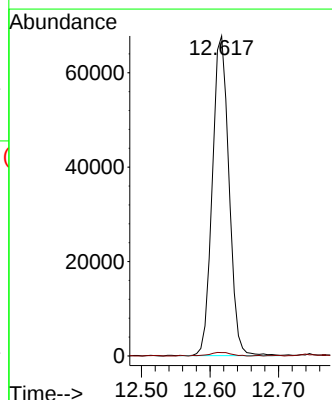
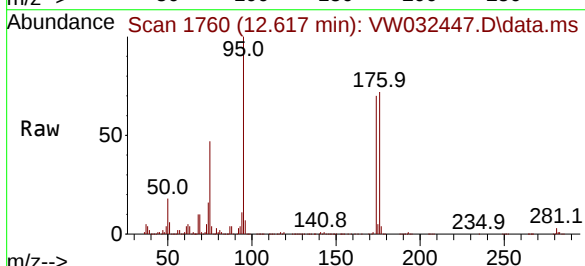
Acq: 17 Nov 2025 10:59

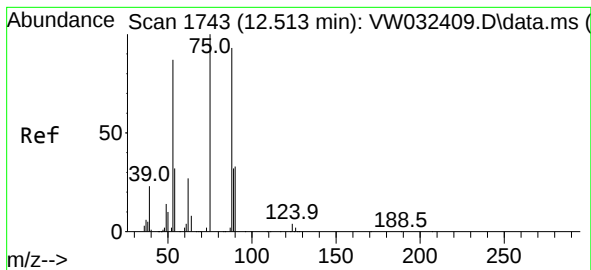
Tgt Ion: 75 Resp: 114114

Ion Ratio Lower Upper

75 100

77 1.4 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.201 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032447.D
 Acq: 17 Nov 2025 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1117SBL01

Tgt Ion: 75 Resp: 114114
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.3 35.6 53.4#

