

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032469.D
 Acq On : 18 Nov 2025 10:13
 Operator : SY/MD
 Sample : VW1118SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1118SBL01

Quant Time: Nov 19 00:24:19 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)

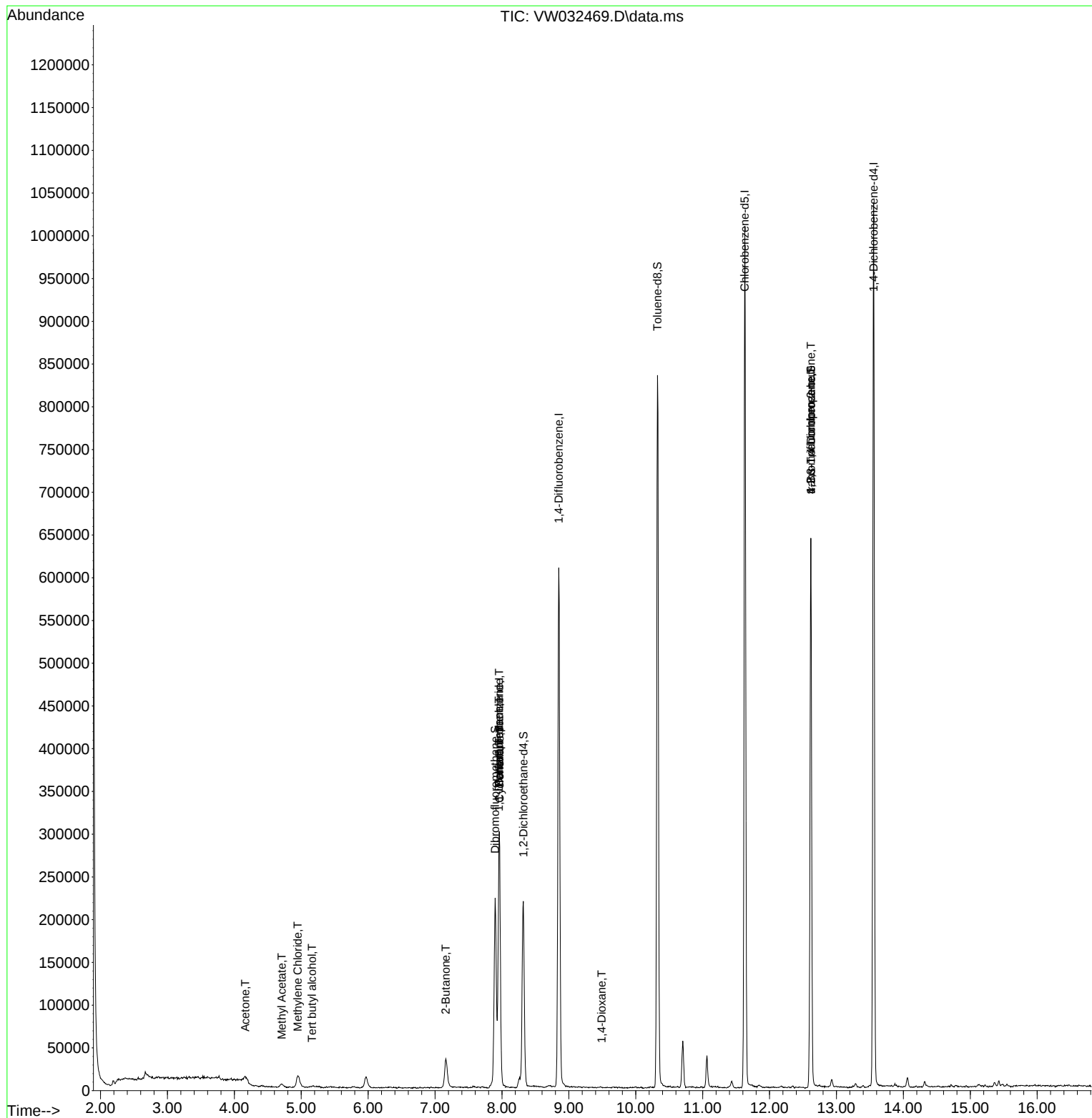
Internal Standards						
1) Pentafluorobenzene	7.959	168	212726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	511741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	533709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	261053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177417	64.691	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 129.380%		
35) Dibromofluoromethane	7.898	113	160106	52.255	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 104.520%		
50) Toluene-d8	10.325	98	557281	47.411	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 94.820%		
62) 4-Bromofluorobenzene	12.617	95	231076	52.041	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 104.080%		
Target Compounds						
11) Tert butyl alcohol	5.161	59	2134	8.999	ug/l #	72
16) Acetone	4.161	43	6544	7.976	ug/l	92
18) Methyl Acetate	4.710	43	8630	4.247	ug/l	98
20) Methylene Chloride	4.948	84	11965	4.078	ug/l	96
25) 2-Butanone	7.161	43	2542	2.103	ug/l	99
31) Cyclohexane	7.965	56	5703	1.257	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	19044	4.219	ug/l #	51
38) Carbon Tetrachloride	7.959	117	22793	5.682	ug/l #	16
49) 1,4-Dioxane	9.490	88	164	5.534	ug/l #	40
76) 1,2,3-Trichloropropane	12.617	75	115678	32.317	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	115678	74.020	ug/l #	11

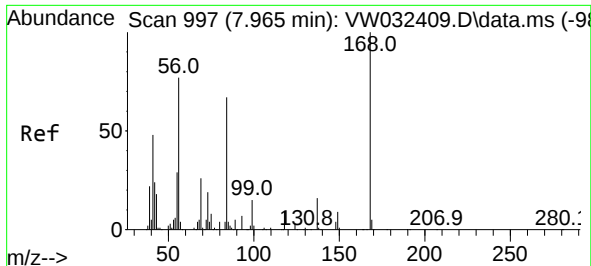
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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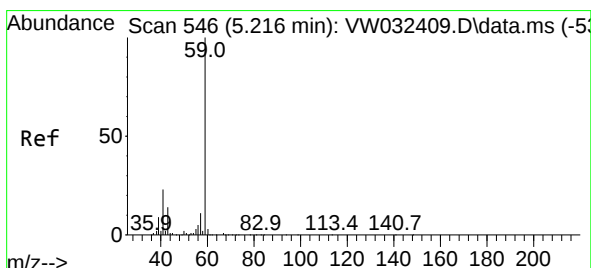
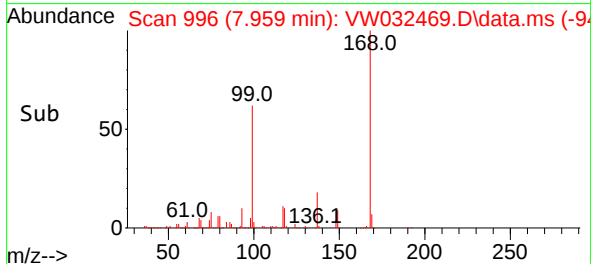
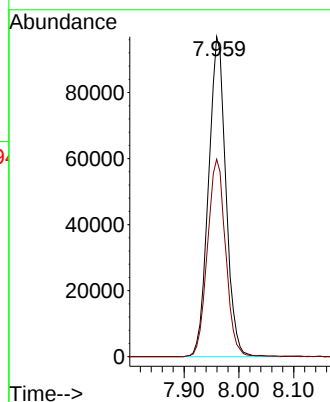
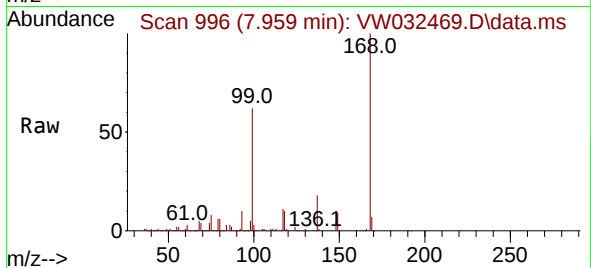




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

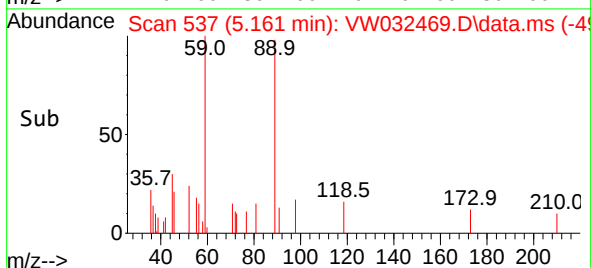
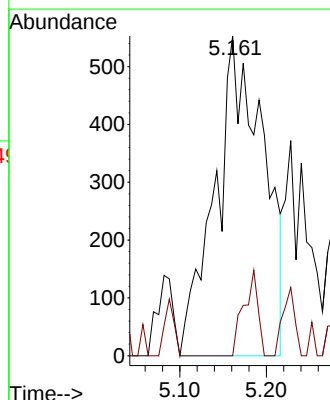
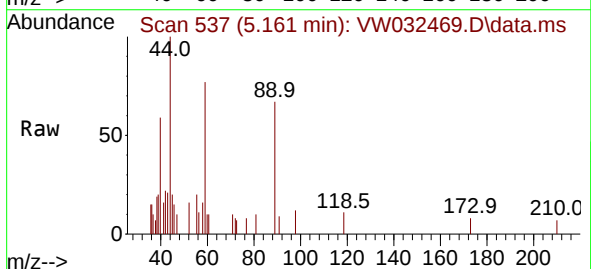
Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

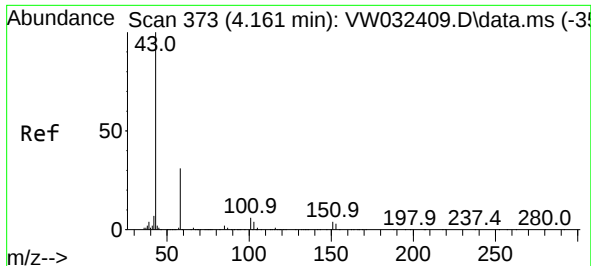
Tgt Ion:168 Resp: 212726
Ion Ratio Lower Upper
168 100
99 61.7 45.4 68.2



#11
Tert butyl alcohol
Concen: 8.999 ug/l
RT: 5.161 min Scan# 537
Delta R.T. -0.055 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 59 Resp: 2134
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

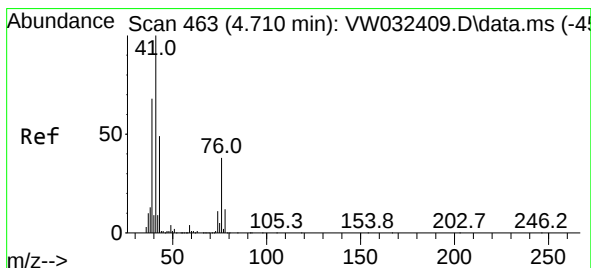
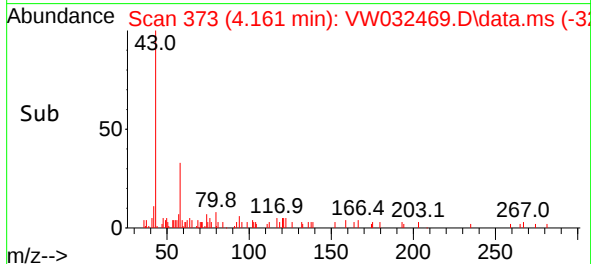
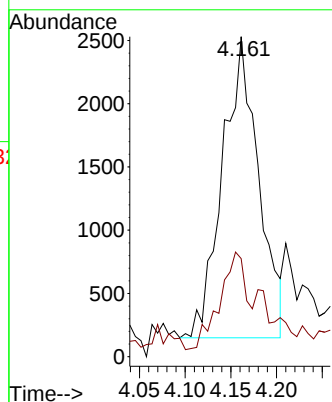
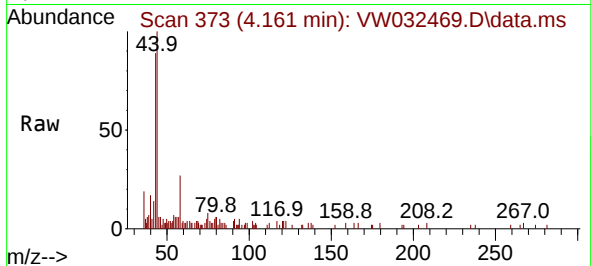




#16
Acetone
Concen: 7.976 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

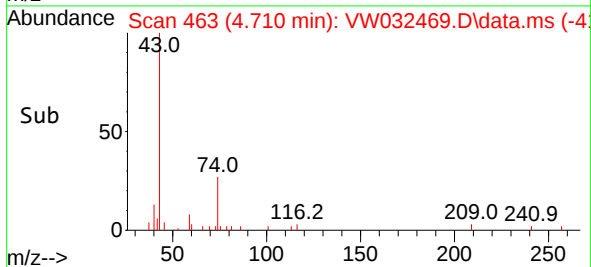
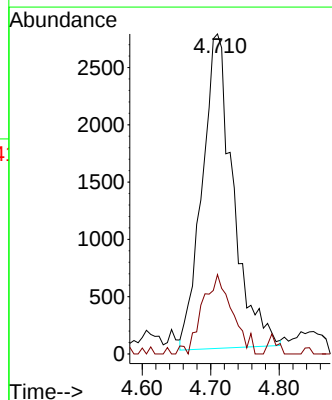
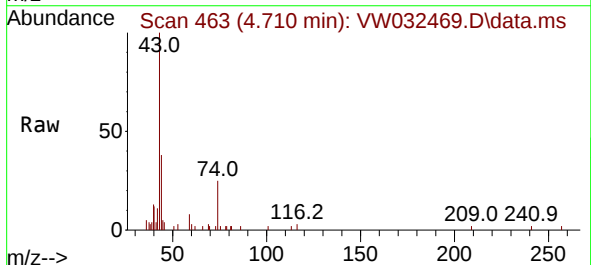
Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

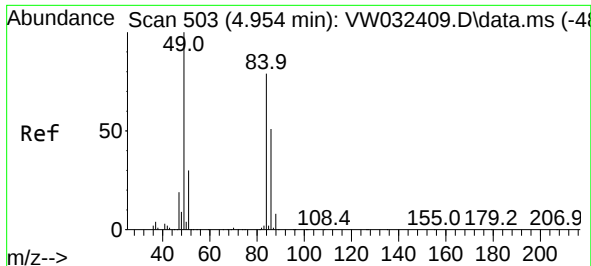
Tgt Ion: 43 Resp: 6544
Ion Ratio Lower Upper
43 100
58 26.5 24.8 37.2



#18
Methyl Acetate
Concen: 4.247 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 43 Resp: 8630
Ion Ratio Lower Upper
43 100
74 24.3 18.9 28.3

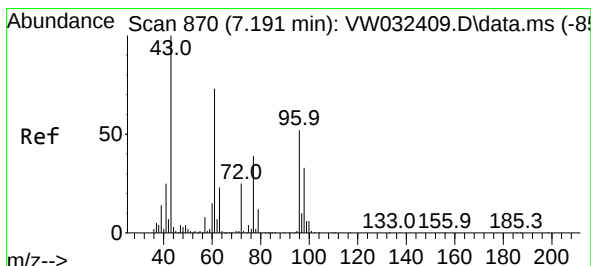
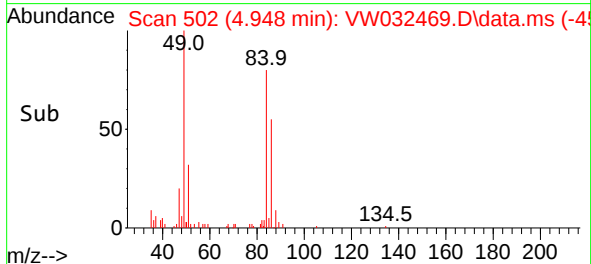
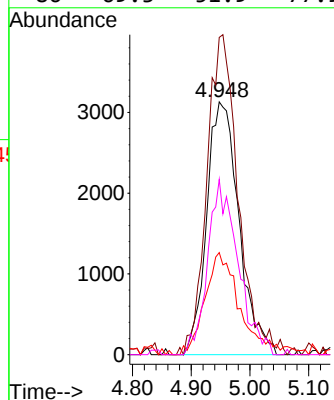
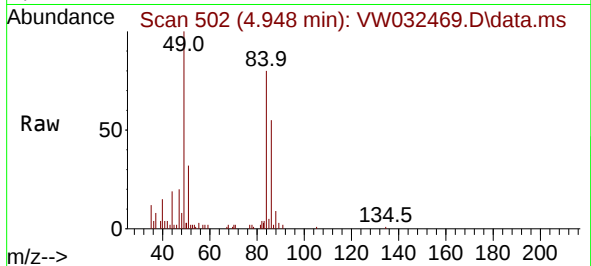




#20
Methylene Chloride
Concen: 4.078 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

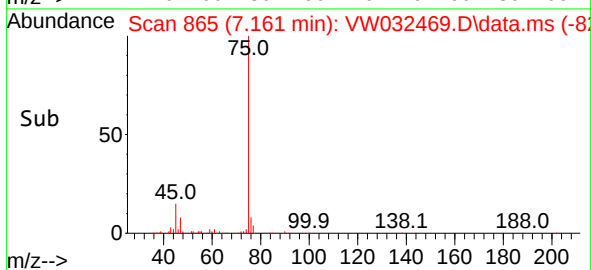
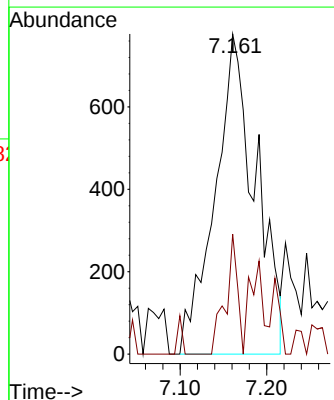
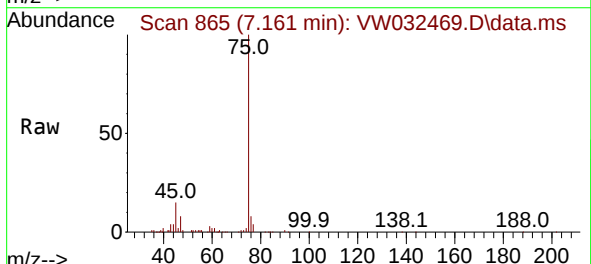
Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

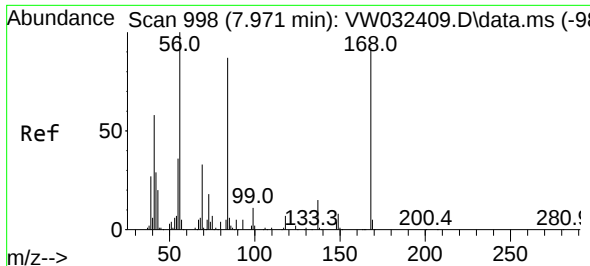
Tgt Ion:	84	Resp:	11965
Ion	Ratio	Lower	Upper
84	100		
49	122.7	101.5	152.3
51	38.6	30.6	46.0
86	69.3	51.9	77.9



#25
2-Butanone
Concen: 2.103 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.030 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion:	43	Resp:	2542
Ion	Ratio	Lower	Upper
43	100		
72	25.5	20.0	30.0

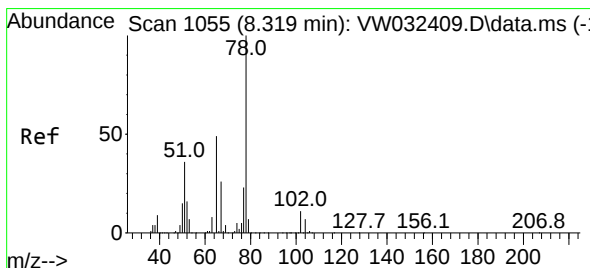
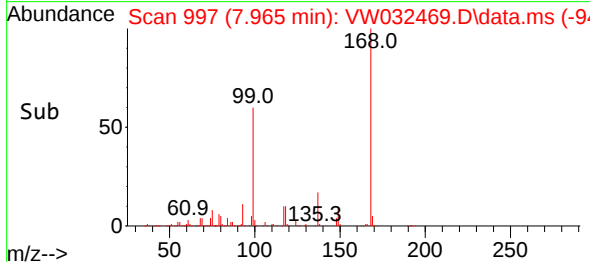
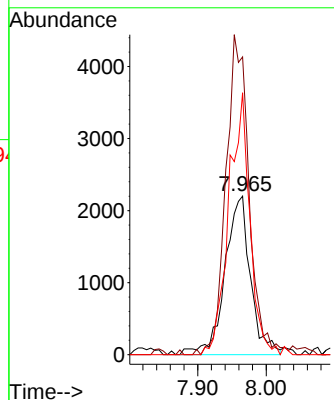
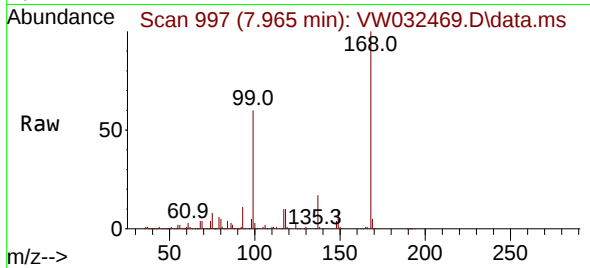




#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

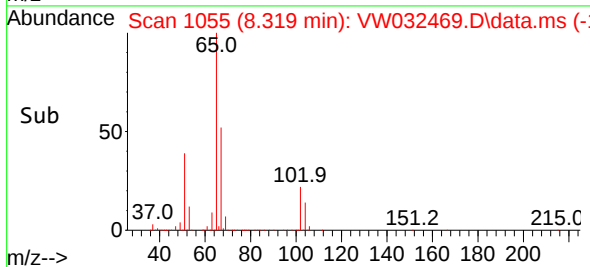
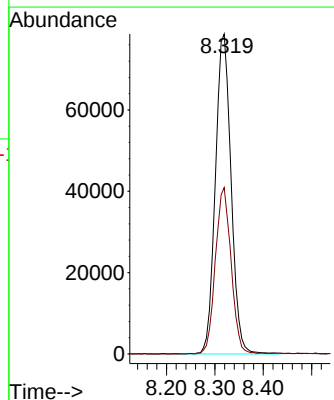
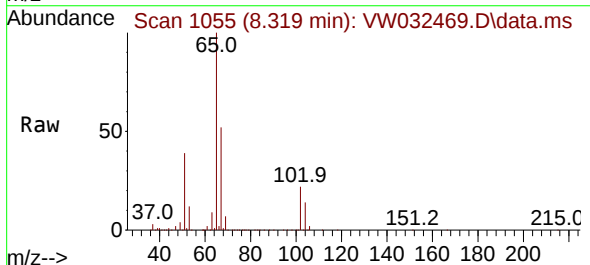
Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

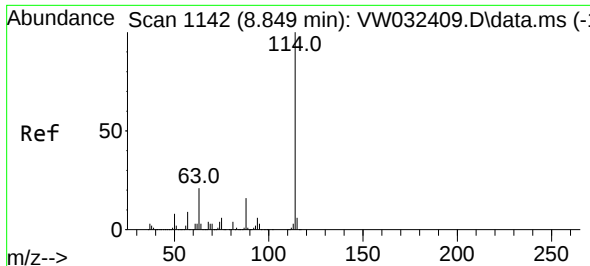
Tgt Ion: 56 Resp: 5703
Ion Ratio Lower Upper
56 100
69 184.7 26.5 39.7#
84 165.1 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 64.691 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 65 Resp: 177417
Ion Ratio Lower Upper
65 100
67 52.0 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: VW032469.D

Acq: 18 Nov 2025 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW1118SBL01

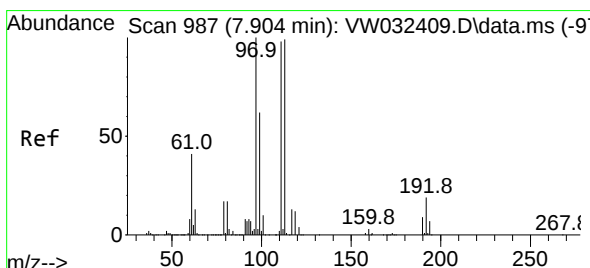
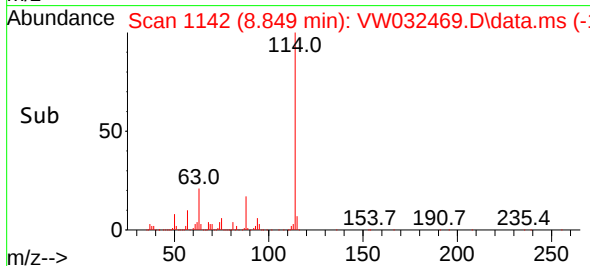
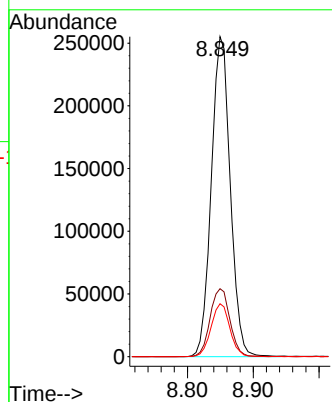
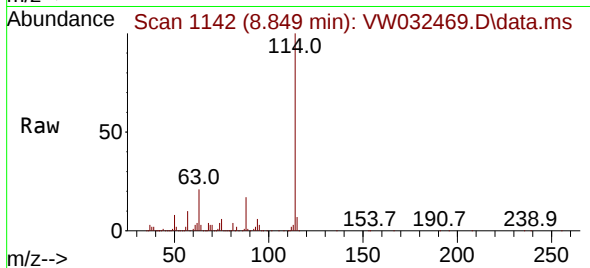
Tgt Ion:114 Resp: 511741

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.255 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032469.D

Acq: 18 Nov 2025 10:13

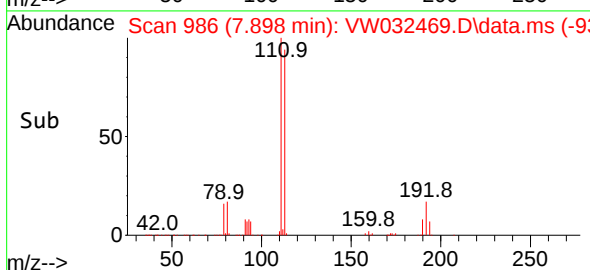
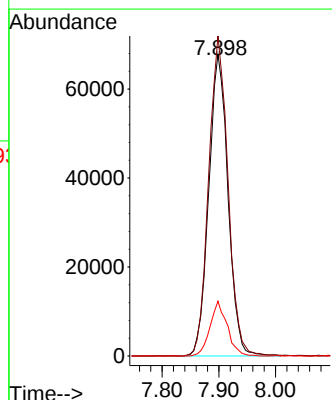
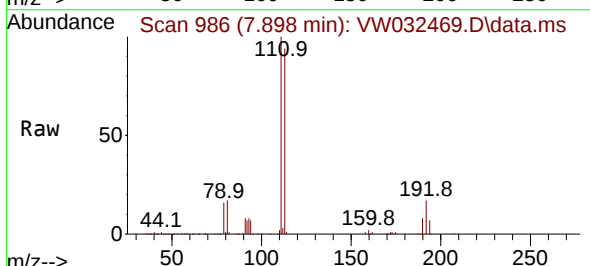
Tgt Ion:113 Resp: 160106

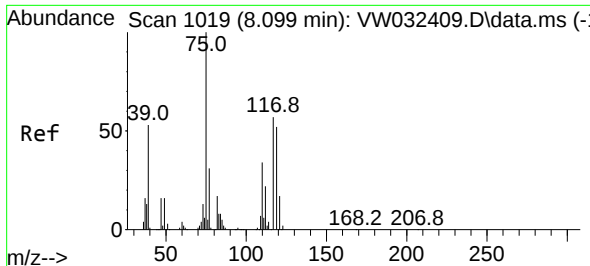
Ion Ratio Lower Upper

113 100

111 106.3 83.1 124.7

192 16.2 13.4 20.2

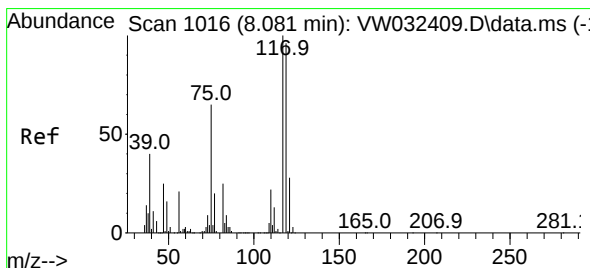
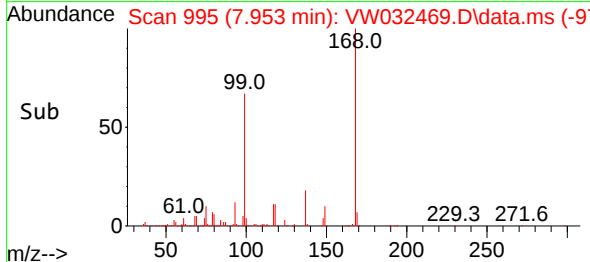
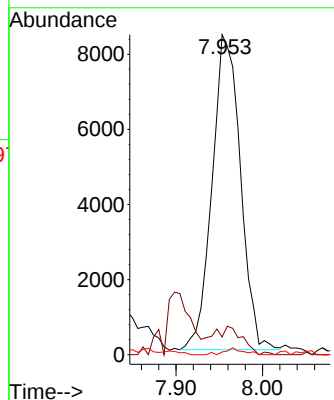
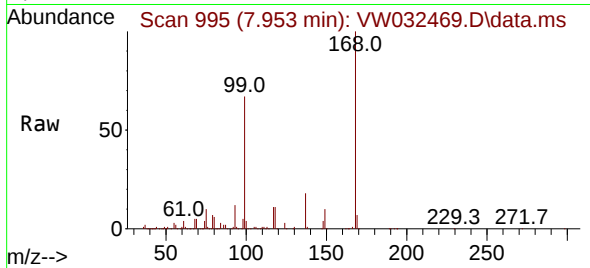




#36
 1,1-Dichloropropene
 Concen: 4.219 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW032469.D
 Acq: 18 Nov 2025 10:13

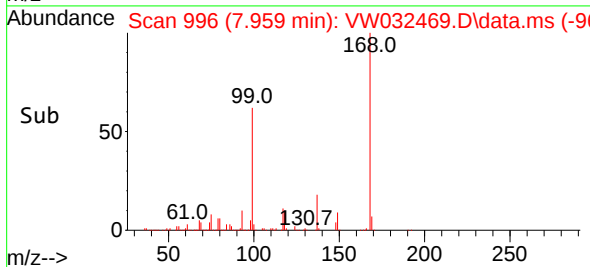
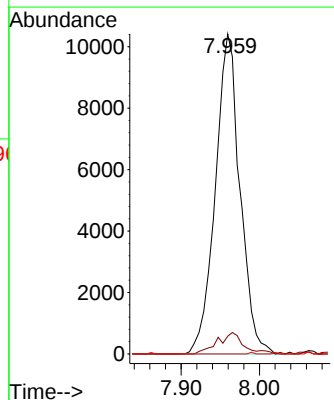
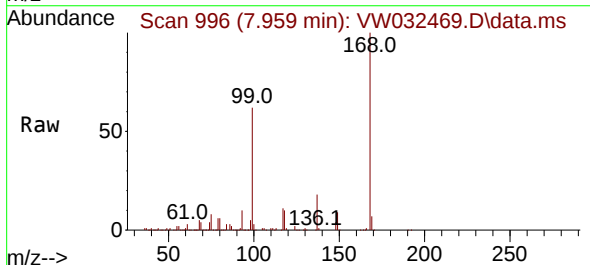
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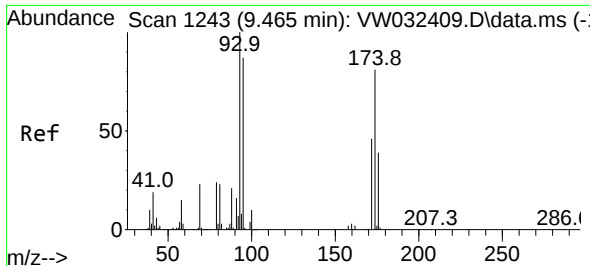
Tgt Ion: 75 Resp: 19044
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.2 51.5#
 77 1.4 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.682 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032469.D
 Acq: 18 Nov 2025 10:13

Tgt Ion: 117 Resp: 22793
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.0 115.4#
 121 0.0 22.0 33.0#

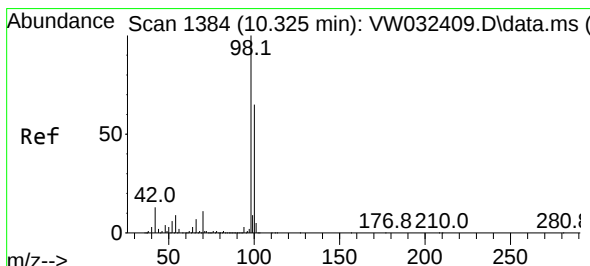
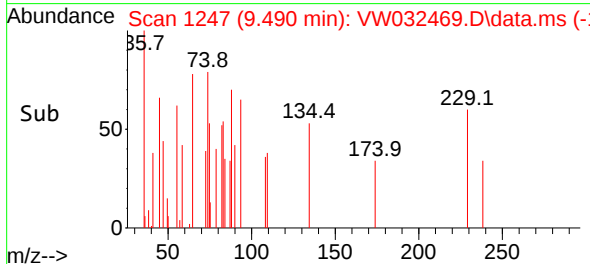
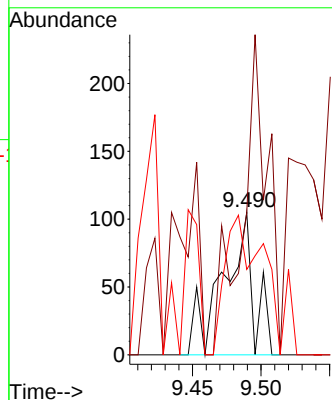
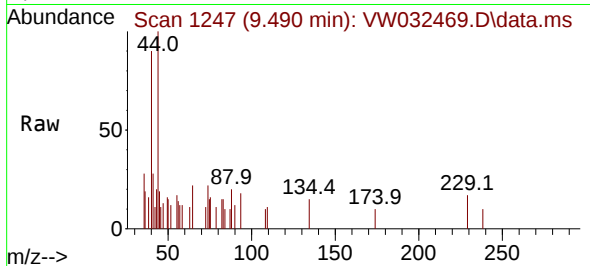




#49
1,4-Dioxane
Concen: 5.534 ug/l
RT: 9.490 min Scan# 1247
Delta R.T. 0.025 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

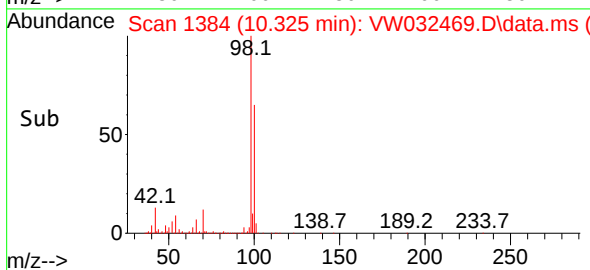
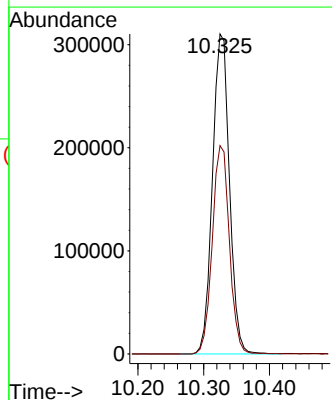
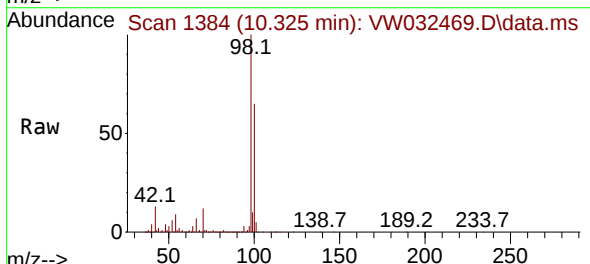
Instrument :
MSVOA_W
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VW1118SBL01

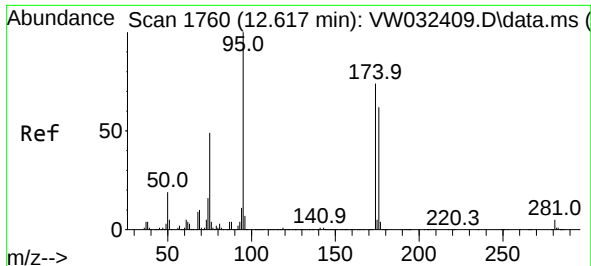
Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 183.5 0.0 0.0#
58 131.1 63.0 94.4#



#50
Toluene-d8
Concen: 47.411 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 98 Resp: 557281
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9

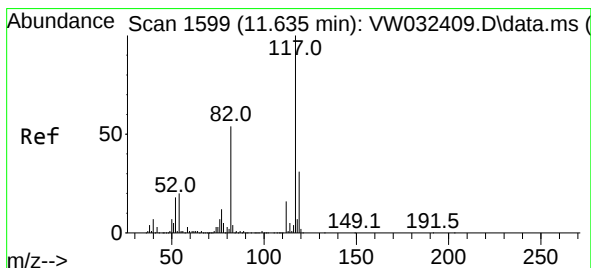
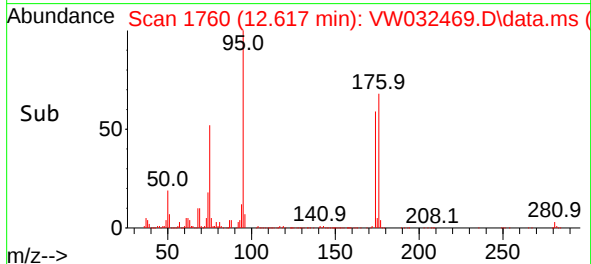
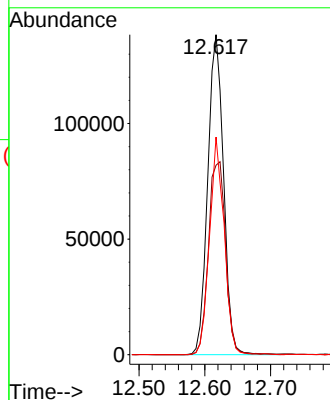
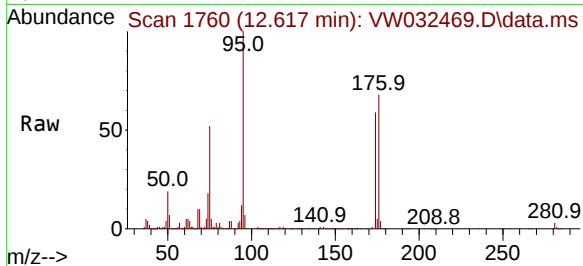




#62
4-Bromofluorobenzene
Concen: 52.041 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

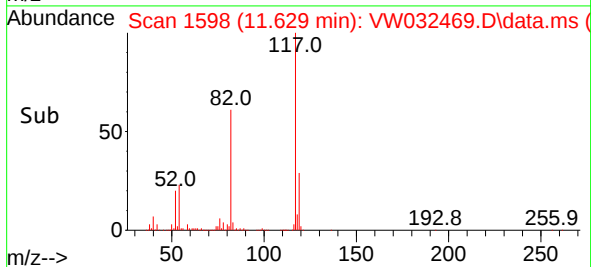
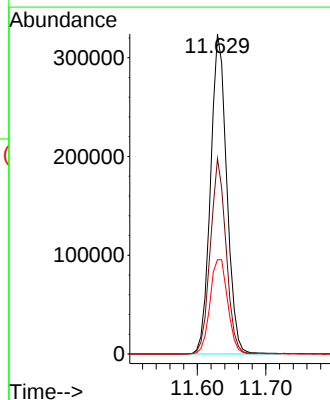
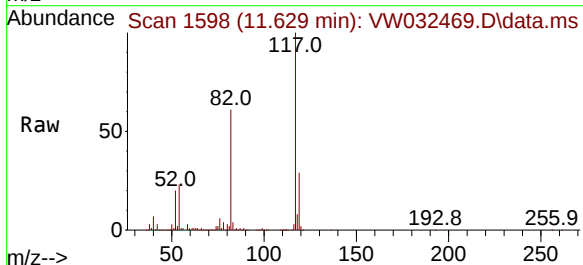
Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

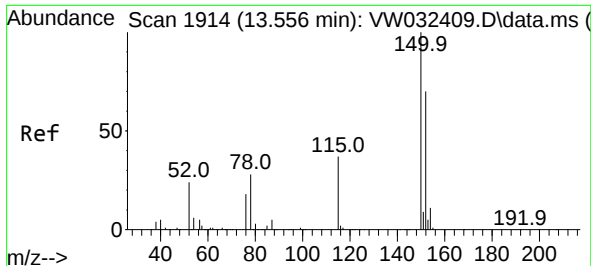
Tgt Ion: 95 Resp: 231076
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.4
176 63.2 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 117 Resp: 533709
Ion Ratio Lower Upper
117 100
82 61.1 43.0 64.4
119 29.4 25.0 37.6

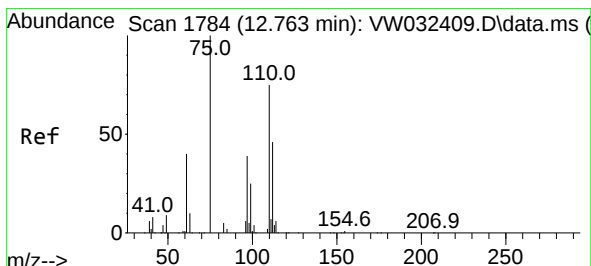
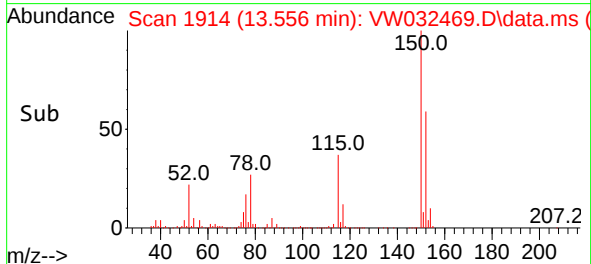
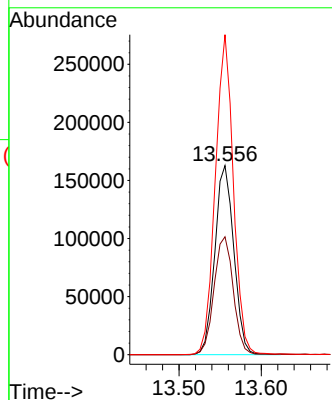
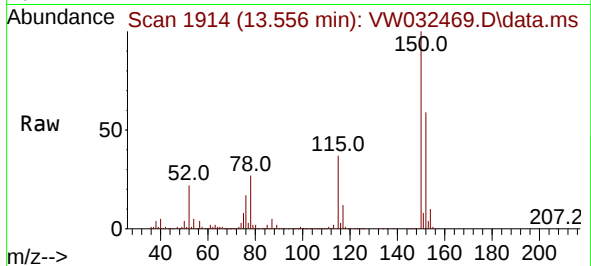




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032469.D
 Acq: 18 Nov 2025 10:13

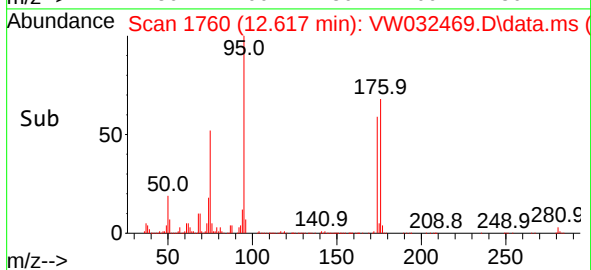
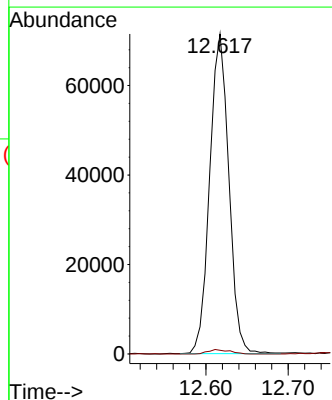
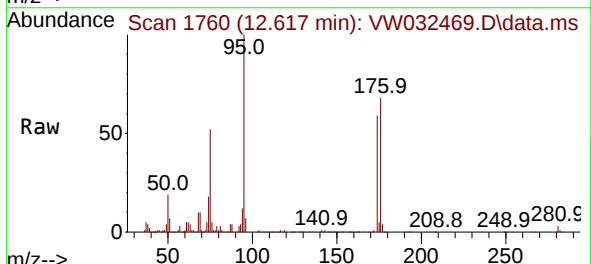
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1118SBL01

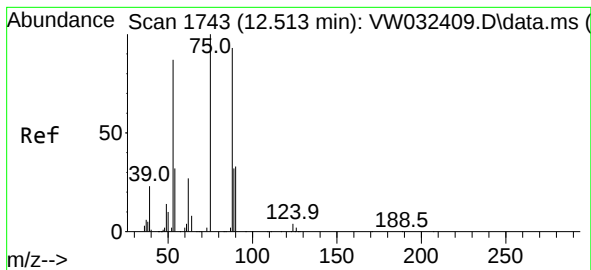
Tgt Ion:152 Resp: 261053
 Ion Ratio Lower Upper
 152 100
 115 63.2 32.8 98.3
 150 161.2 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 32.317 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032469.D
 Acq: 18 Nov 2025 10:13

Tgt Ion: 75 Resp: 115678
 Ion Ratio Lower Upper
 75 100
 77 1.6 151.6 454.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 74.020 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion: 75 Resp: 115678
Ion Ratio Lower Upper
75 100
53 0.6 77.8 116.8#
89 0.0 35.6 53.4#

