

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032419.D
 Acq On : 11 Nov 2025 11:01
 Operator : SY/MD
 Sample : Q3483-23
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 12 03:44:54 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	435573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	792110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	681337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	307014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	265451	47.270	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	94.540%
35) Dibromofluoromethane	7.898	113	227481	47.966	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.940%
50) Toluene-d8	10.325	98	899822	49.457	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.920%
62) 4-Bromofluorobenzene	12.617	95	319300	46.457	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	16265	33.496	ug/l #	72
12) 1,1-Dichloroethene	4.076	96	430098	91.867	ug/l	97
15) Acrylonitrile	5.460	53	9715	5.483	ug/l #	30
16) Acetone	4.155	43	580959	345.800	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	760937	77.104	ug/l	100
20) Methylene Chloride	4.948	84	9083	1.512	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	323277	60.388	ug/l	99
25) 2-Butanone	7.185	43	313236	126.554	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	359879	56.261	ug/l	95
28) Bromochloromethane	7.691	49	47822	10.075	ug/l #	16
30) Chloroform	7.691	83	600305	61.057	ug/l	97
31) Cyclohexane	7.959	56	12420	1.337	ug/l #	7
37) Ethyl Acetate	7.185	43	313236	60.284	ug/l #	1
38) Carbon Tetrachloride	8.081	117	406059	65.400	ug/l	99
40) Benzene	8.331	78	2113868	93.938	ug/l	98
42) 1,2-Dichloroethane	8.410	62	1189178	179.913	ug/l	100
44) Trichloroethene	9.099	130	612054	116.887	ug/l	100
49) 1,4-Dioxane	9.447	88	153	3.336	ug/l #	100
53) t-1,3-Dichloropropene	10.605	75	1190954	154.825	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	1579743	177.588	ug/l	97
59) 2-Hexanone	10.965	43	1180325	317.181	ug/l	99
60) Dibromochloromethane	10.861	129	382188	76.191	ug/l #	10
61) 1,2-Dibromoethane	11.233	107	115500	26.400	ug/l	98
64) Tetrachloroethene	10.861	164	403093	99.906	ug/l	93
65) Chlorobenzene	11.660	112	339108	23.092	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	306541	67.449	ug/l	99
67) Ethyl Benzene	11.727	91	572879	22.546	ug/l	100
68) m/p-Xylenes	11.837	106	1774005	185.948	ug/l	98
69) o-Xylene	12.166	106	1670349	182.855	ug/l	99
70) Styrene	12.178	104	1642187	104.504	ug/l	92
71) Bromoform	12.349	173	280327	104.136	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	793103	148.210	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	540232	128.331	ug/l #	1
78) n-propylbenzene	12.891	91	1496209	54.488	ug/l #	53
79) 2-Chlorotoluene	12.891	91	1496209	89.258	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.617	75	159069	86.548	ug/l #	11

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MSVOA_W
ClientSampleId :

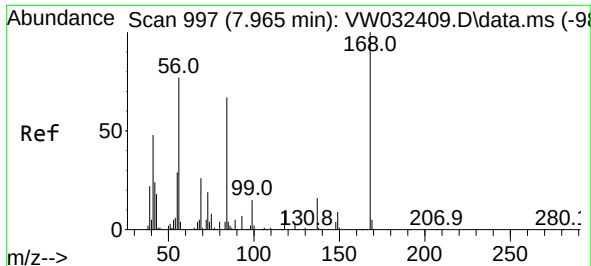
Quant Time: Nov 12 03:44:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.891	91	1496209	85.818	ug/l	98
83) tert-Butylbenzene	13.202	119	2253438	139.255	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	3609029	190.747	ug/l	100
85) sec-Butylbenzene	13.495	105	127960	5.310	ug/l #	1
86) p-Isopropyltoluene	13.495	119	3760070	188.963	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	538690	53.220	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	825210	79.578	ug/l	98
93) 1,2,4-Trichlorobenzene	15.123	180	932796	157.754	ug/l	95
95) Naphthalene	15.360	128	909817	61.703	ug/l	99

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

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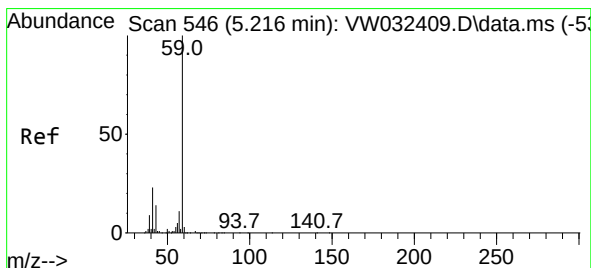
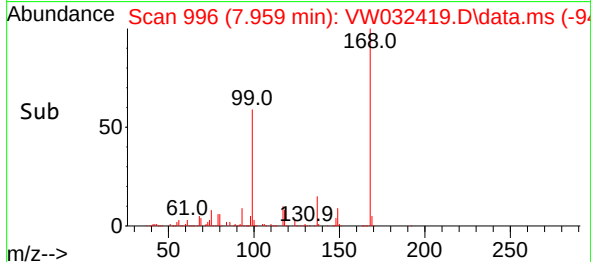
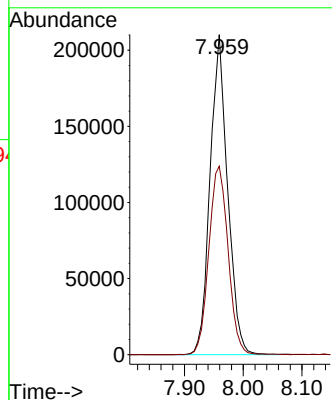
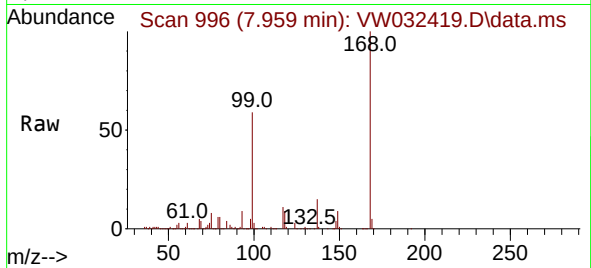




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

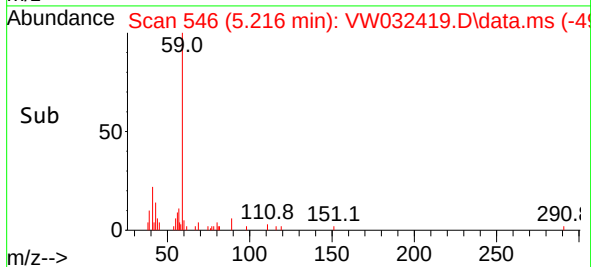
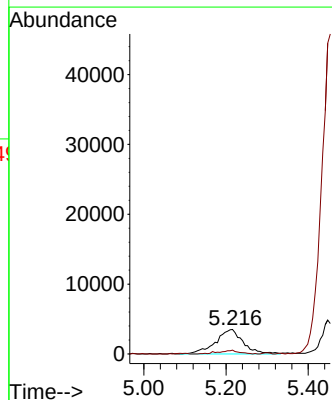
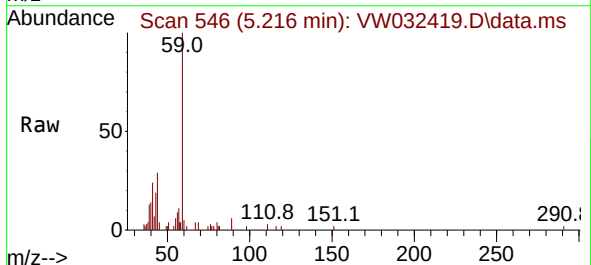
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MSVOA_W
ClientSampleId :

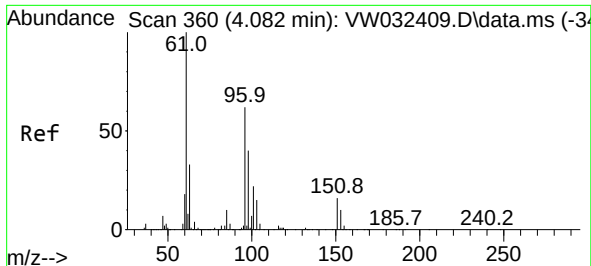
Tgt Ion:168 Resp: 435573
Ion Ratio Lower Upper
168 100
99 58.8 45.4 68.2



#11
Tert butyl alcohol
Concen: 33.496 ug/l
RT: 5.216 min Scan# 546
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 59 Resp: 16265
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

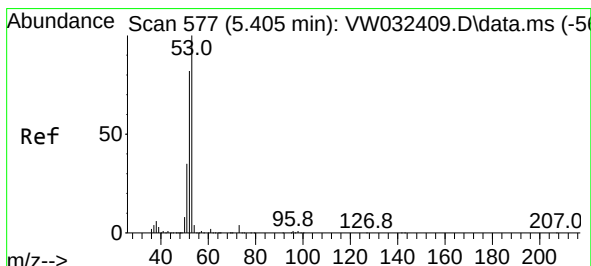
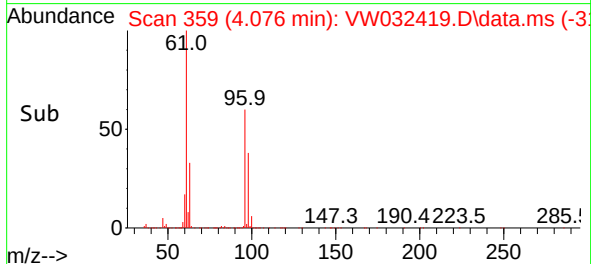
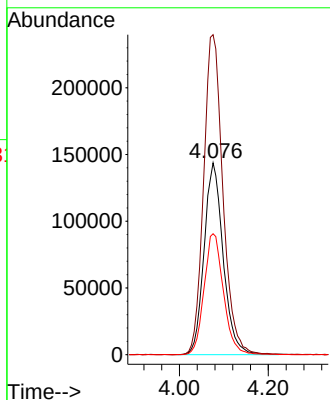
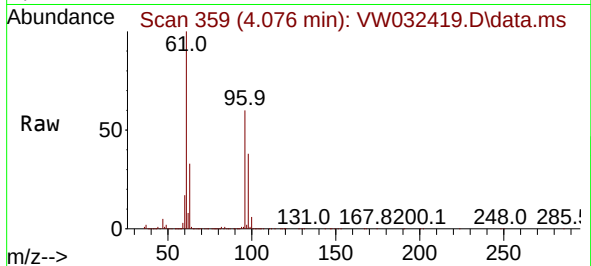




#12
1,1-Dichloroethene
Concen: 91.867 ug/l
RT: 4.076 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

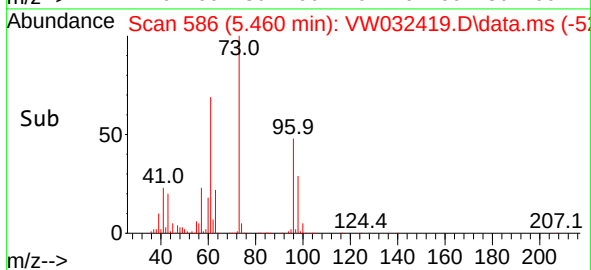
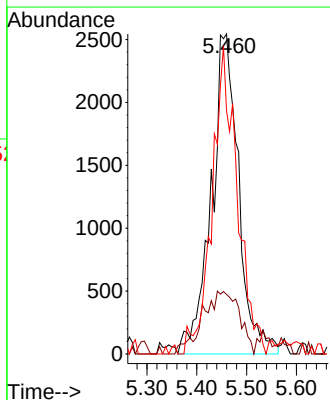
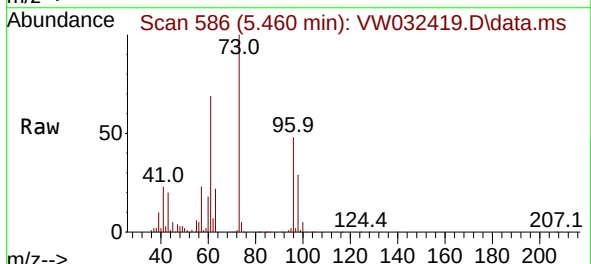
Instrument :
MSVOA_W
ClientSampleId :

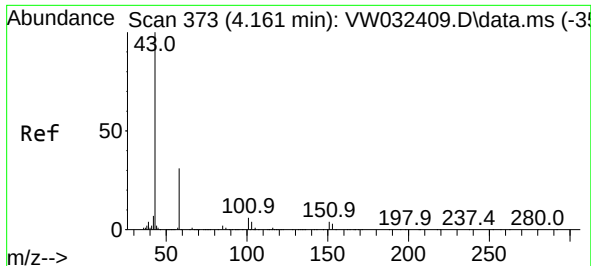
Tgt Ion: 96 Resp: 430098
Ion Ratio Lower Upper
96 100
61 166.7 129.0 193.6
98 62.9 51.1 76.7



#15
Acrylonitrile
Concen: 5.483 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.055 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 53 Resp: 9715
Ion Ratio Lower Upper
53 100
52 26.5 66.4 99.6#
51 86.0 28.6 43.0#

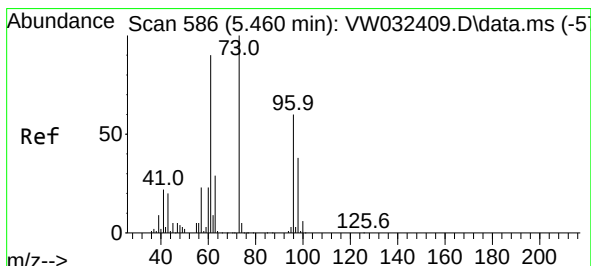
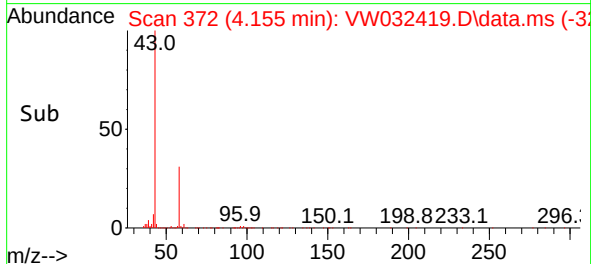
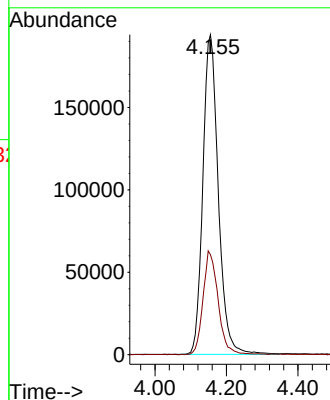
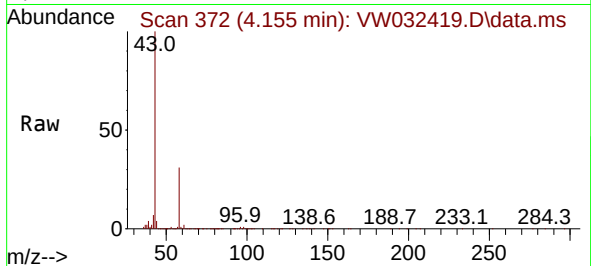




#16
Acetone
Concen: 345.800 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

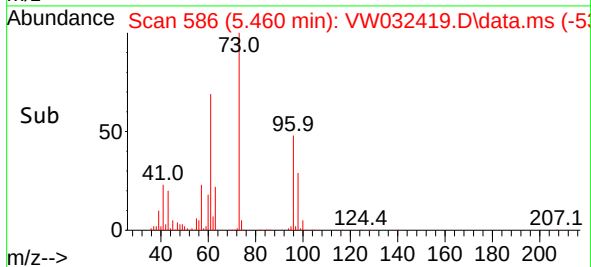
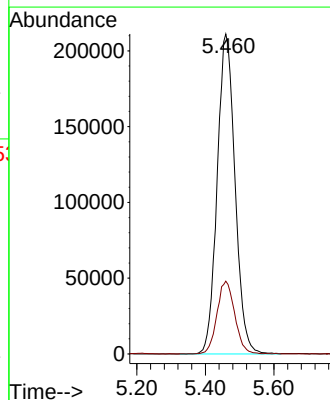
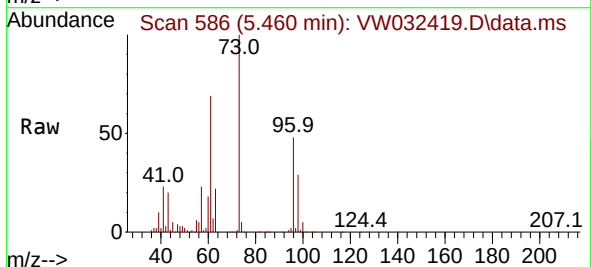
Instrument :
MSVOA_W
ClientSampleId :

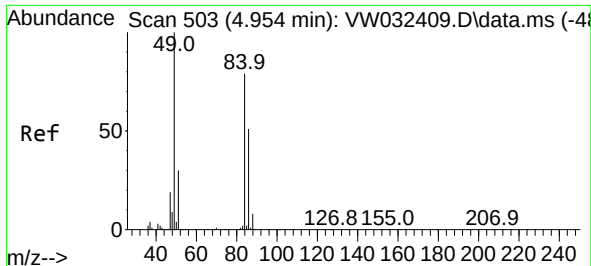
Tgt Ion: 43 Resp: 580959
Ion Ratio Lower Upper
43 100
58 31.3 24.8 37.2



#19
Methyl tert-butyl Ether
Concen: 77.104 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

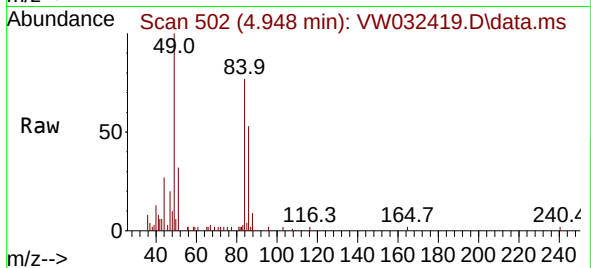
Tgt Ion: 73 Resp: 760937
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5





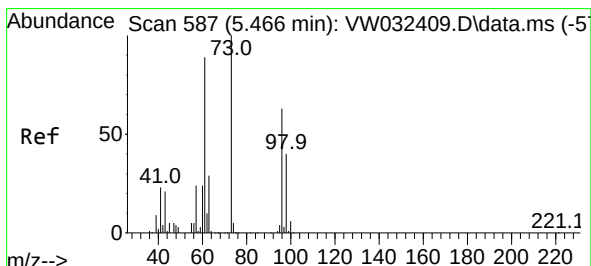
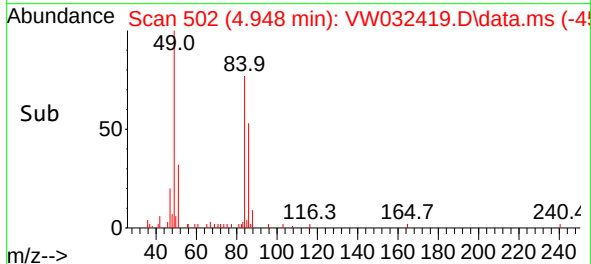
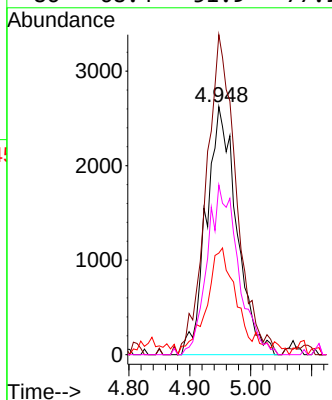
#20
Methylene Chloride
Concen: 1.512 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 9083

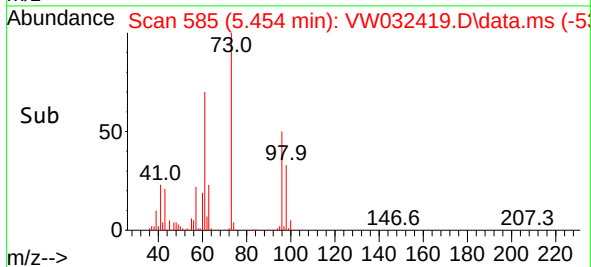
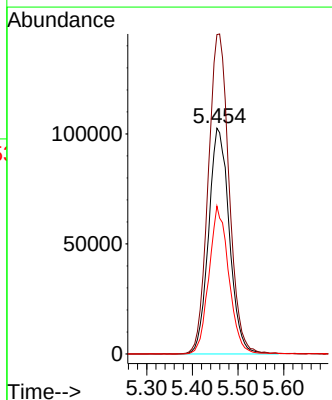
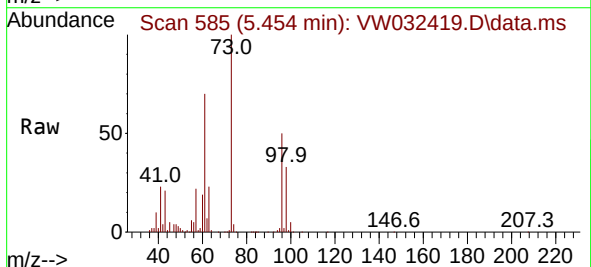
Ion	Ratio	Lower	Upper
84	100		
49	129.0	101.5	152.3
51	40.9	30.6	46.0
86	68.4	51.9	77.9

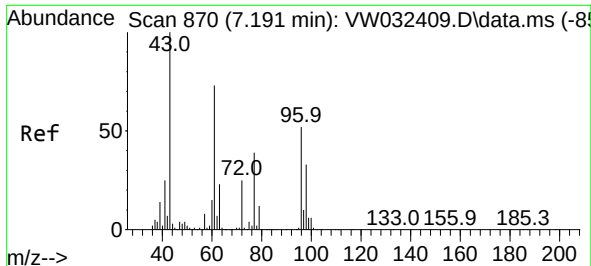


#21
trans-1,2-Dichloroethene
Concen: 60.388 ug/l
RT: 5.454 min Scan# 585
Delta R.T. -0.012 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 96 Resp: 323277

Ion	Ratio	Lower	Upper
96	100		
61	141.4	112.5	168.7
98	65.5	51.1	76.7

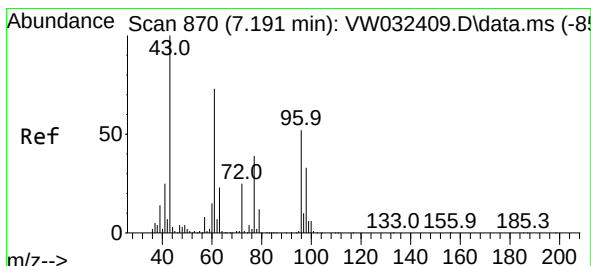
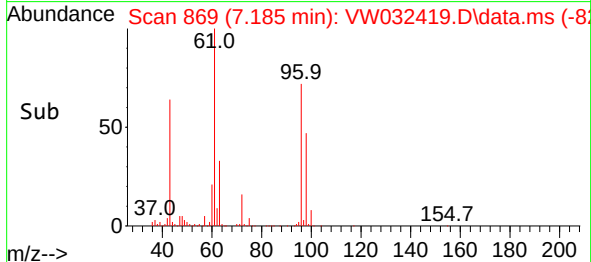
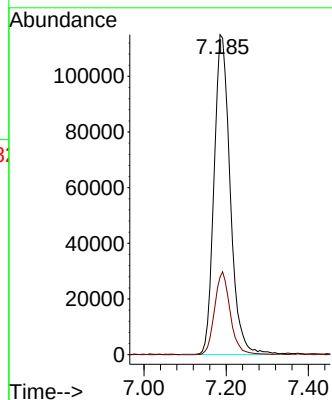
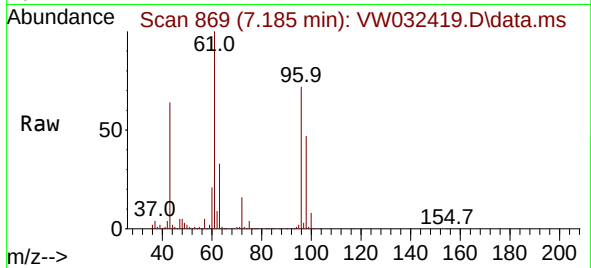




#25
2-Butanone
Concen: 126.554 ug/l
RT: 7.185 min Scan# 80
Delta R.T. -0.006 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

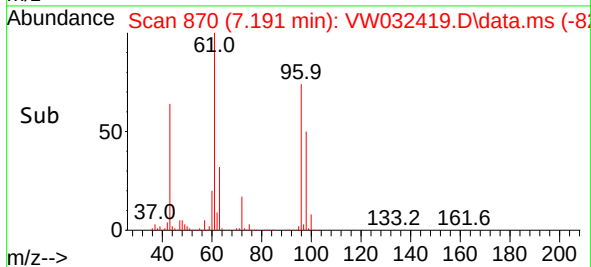
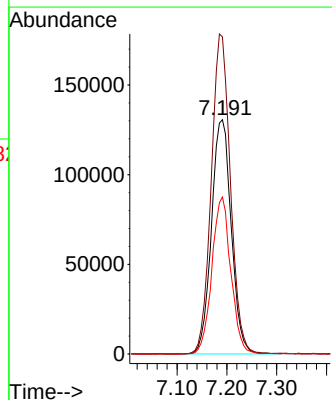
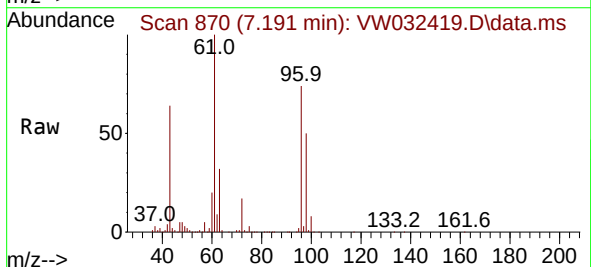
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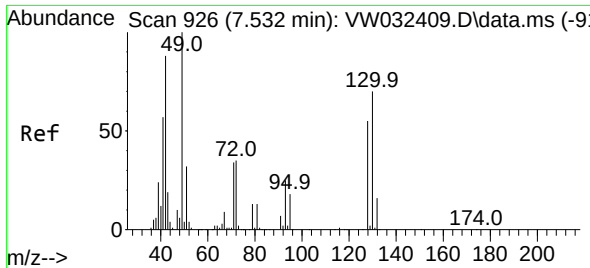
Tgt Ion: 43 Resp: 313236
Ion Ratio Lower Upper
43 100
72 24.2 20.0 30.0



#27
cis-1,2-Dichloroethene
Concen: 56.261 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 96 Resp: 359879
Ion Ratio Lower Upper
96 100
61 132.5 0.0 282.6
98 64.0 0.0 128.6

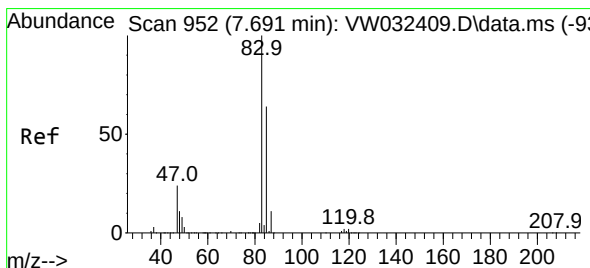
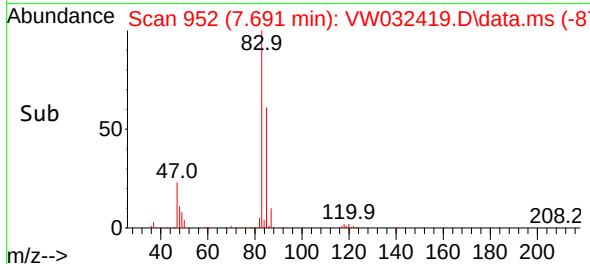
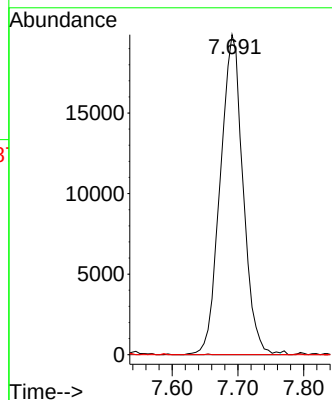
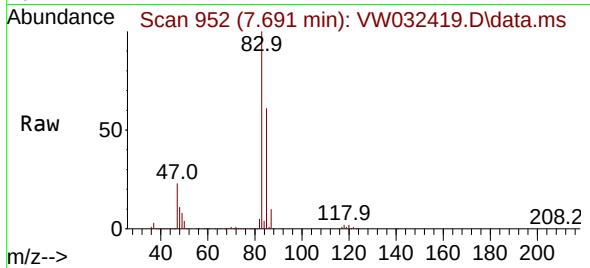




#28
Bromochloromethane
Concen: 10.075 ug/l
RT: 7.691 min Scan# 91
Delta R.T. 0.159 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

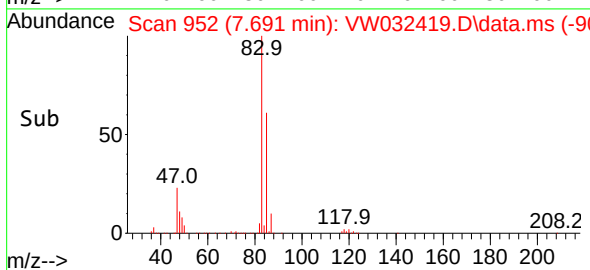
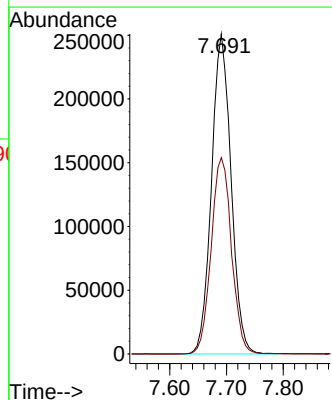
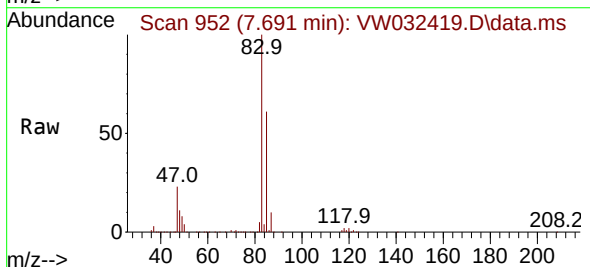
Instrument :
MSVOA_W
ClientSampleId :

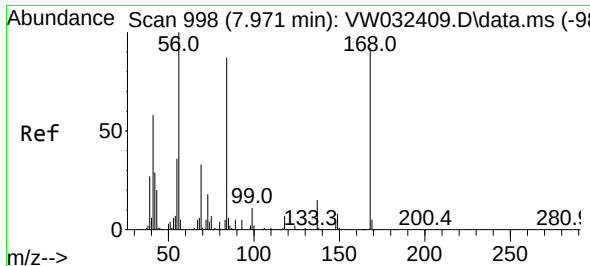
Tgt Ion: 49 Resp: 47822
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 56.9 85.3#



#30
Chloroform
Concen: 61.057 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

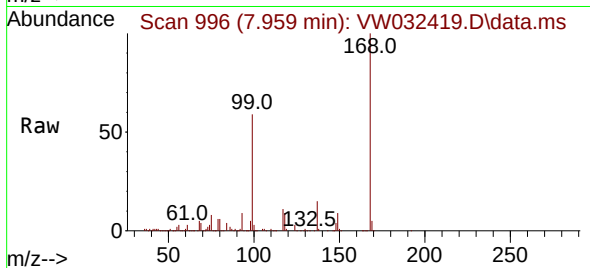
Tgt Ion: 83 Resp: 600305
Ion Ratio Lower Upper
83 100
85 61.4 51.0 76.4



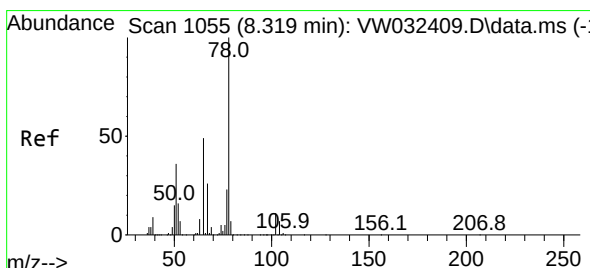
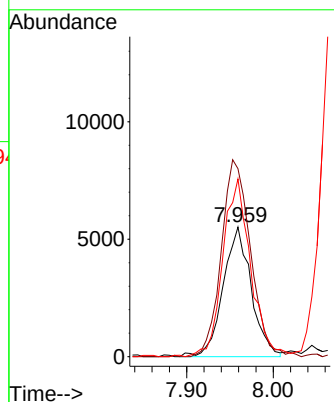
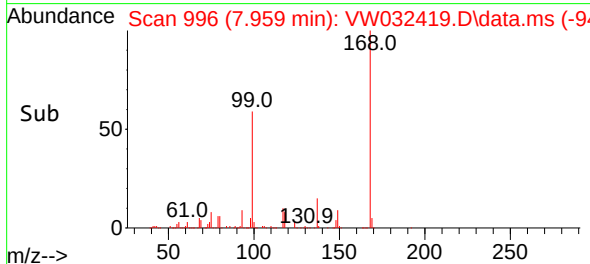


#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Instrument :
MSVOA_W
ClientSampleId :

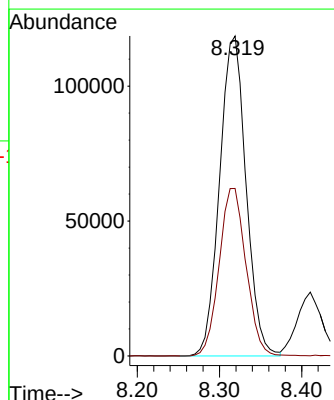
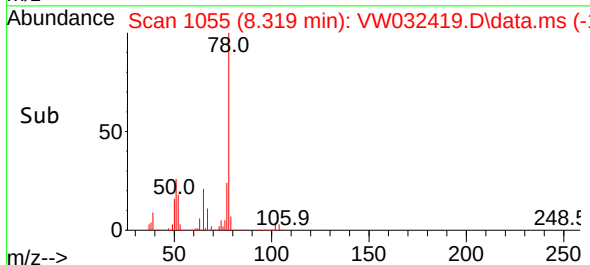
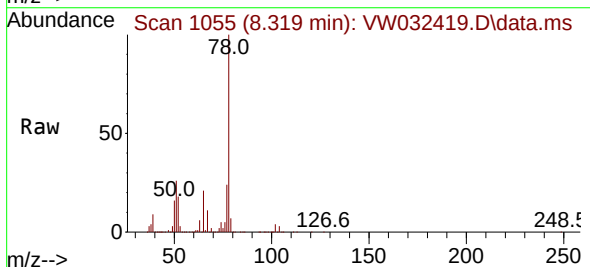


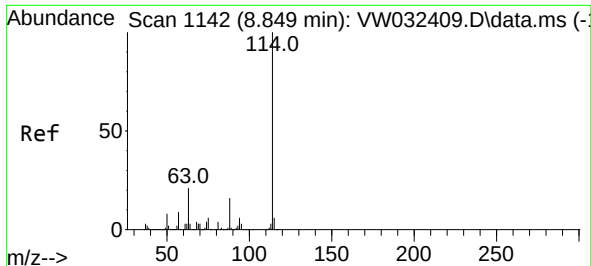
Tgt Ion: 56 Resp: 12420
Ion Ratio Lower Upper
56 100
69 145.0 26.5 39.7#
84 136.0 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 47.270 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

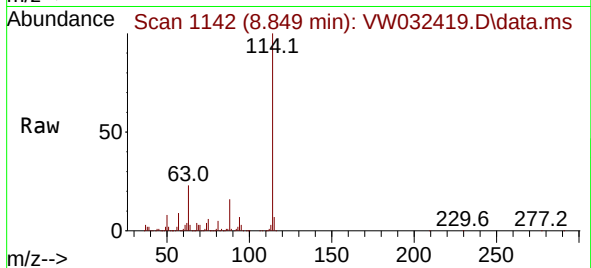
Tgt Ion: 65 Resp: 265451
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8



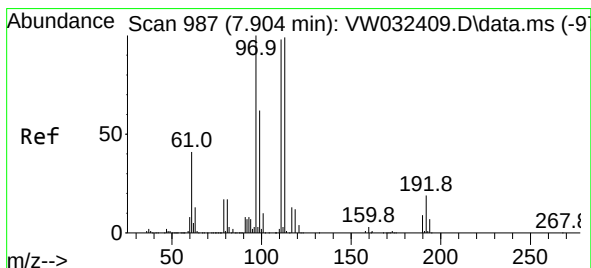
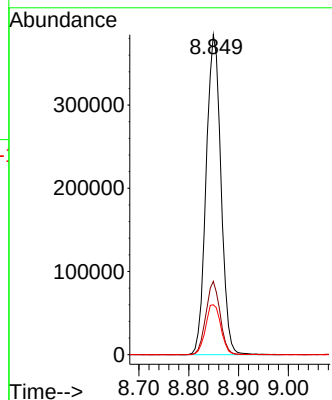
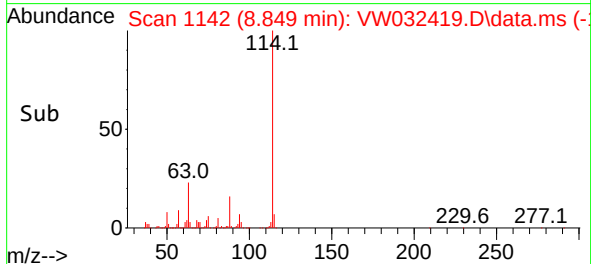


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Instrument :
MSVOA_W
ClientSampleId :

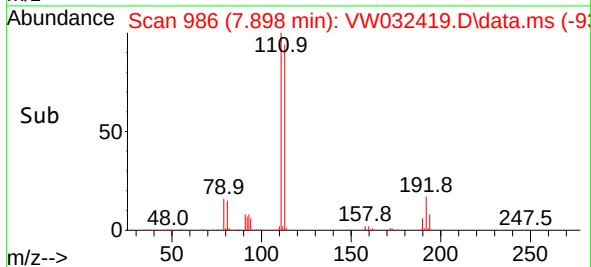
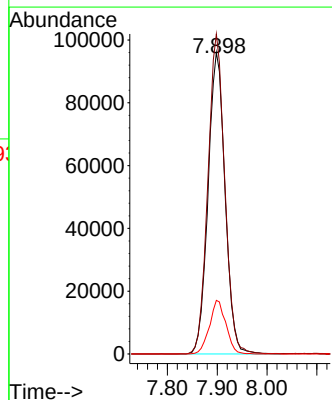
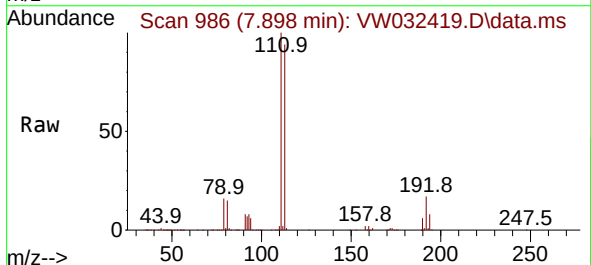


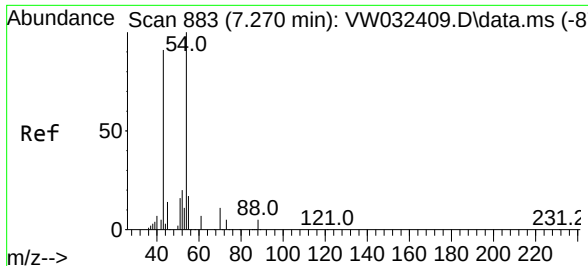
Tgt Ion:114 Resp: 792110
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.966 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion:113 Resp: 227481
Ion Ratio Lower Upper
113 100
111 105.1 83.1 124.7
192 17.2 13.4 20.2

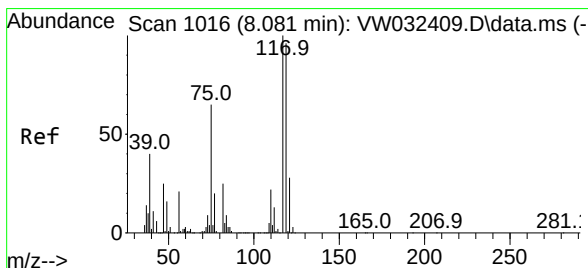
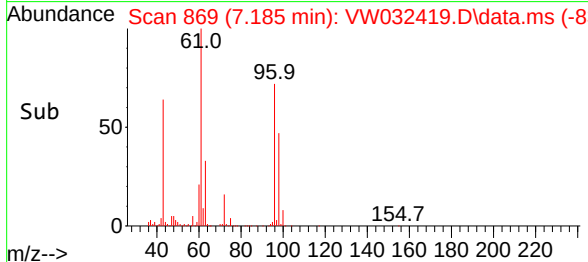
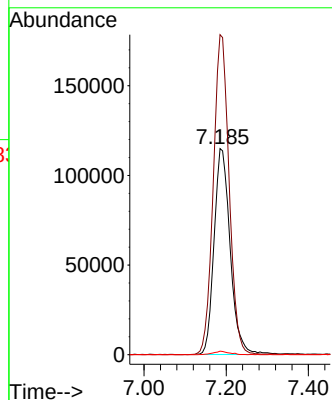
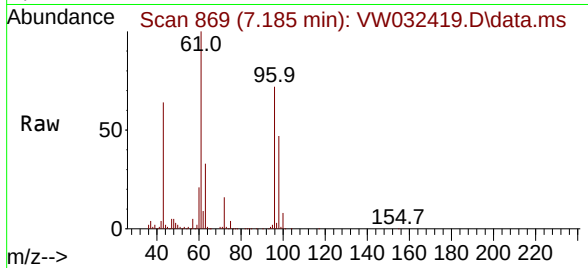




#37
Ethyl Acetate
Concen: 60.284 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.085 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

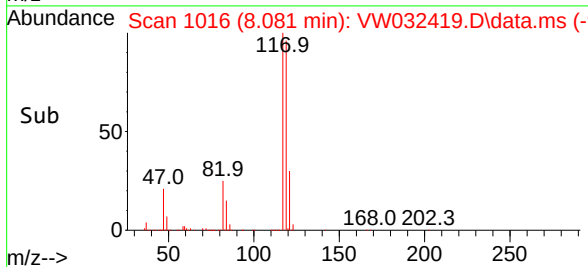
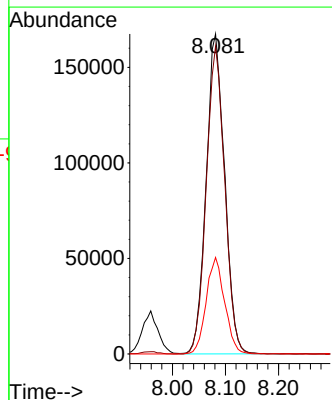
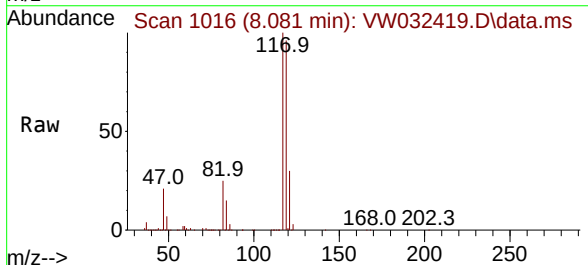
Instrument :
MSVOA_W
ClientSampleId :

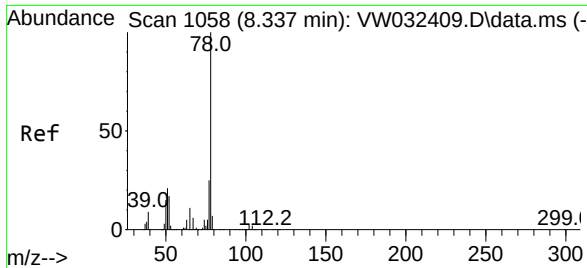
Tgt Ion: 43 Resp: 313236
Ion Ratio Lower Upper
43 100
61 152.2 11.0 16.6#
70 1.7 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 65.400 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 117 Resp: 406059
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4
121 30.2 22.0 33.0





#40

Benzene

Concen: 93.938 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW032419.D

Acq: 11 Nov 2025 11:01

Instrument :

MSVOA_W

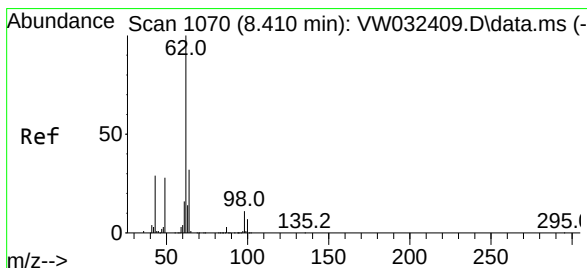
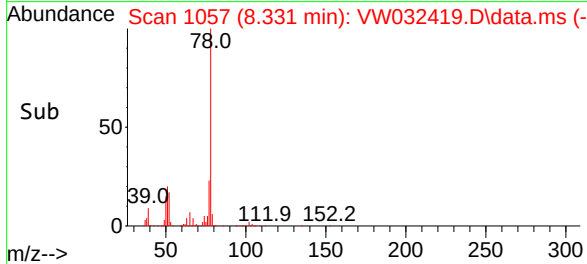
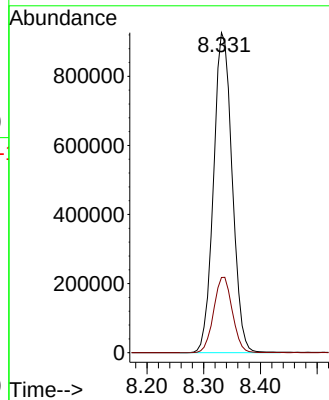
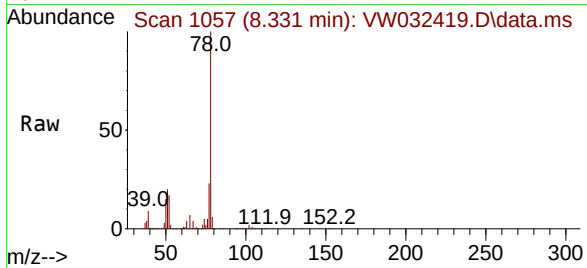
ClientSampleId :

Tgt Ion: 78 Resp: 2113868

Ion Ratio Lower Upper

78 100

77 23.5 19.6 29.4



#42

1,2-Dichloroethane

Concen: 179.913 ug/l

RT: 8.410 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VW032419.D

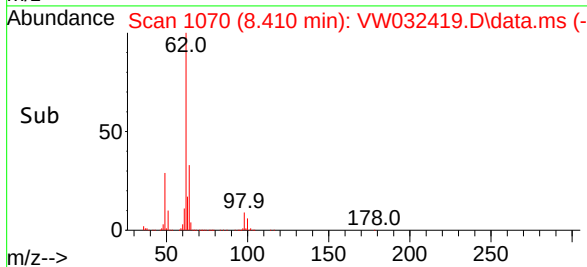
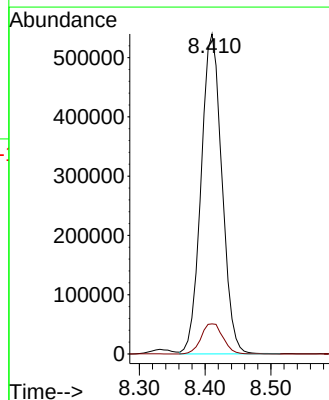
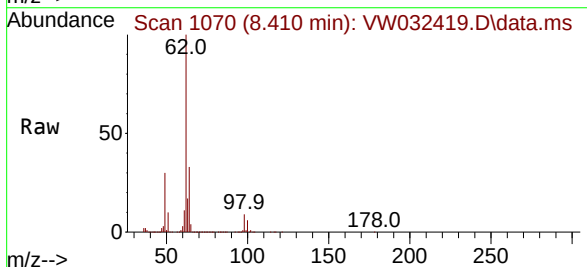
Acq: 11 Nov 2025 11:01

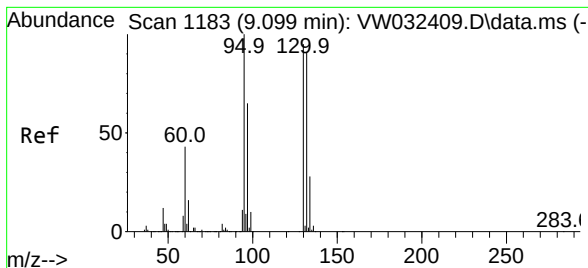
Tgt Ion: 62 Resp: 1189178

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.2





#44

Trichloroethene

Concen: 116.887 ug/l

RT: 9.099 min Scan# 1183

Delta R.T. 0.000 min

Lab File: VW032419.D

Acq: 11 Nov 2025 11:01

Instrument :

MSVOA_W

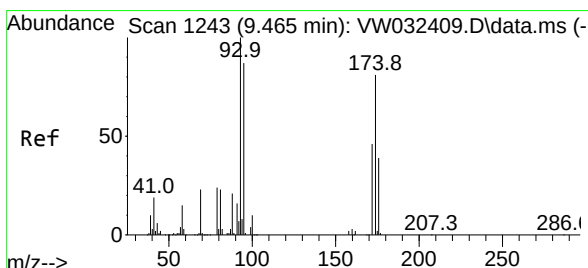
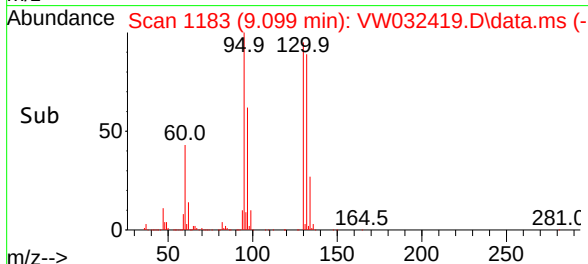
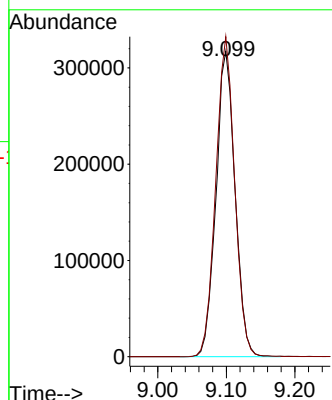
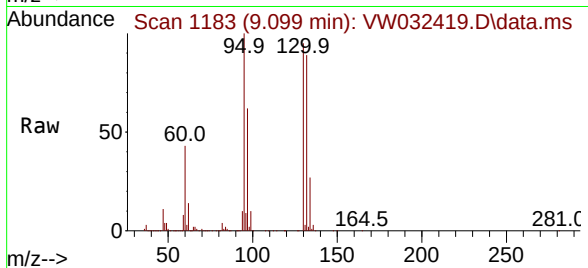
ClientSampleId :

Tgt Ion:130 Resp: 612054

Ion Ratio Lower Upper

130 100

95 104.8 0.0 209.6



#49

1,4-Dioxane

Concen: 3.336 ug/l

RT: 9.447 min Scan# 1240

Delta R.T. -0.018 min

Lab File: VW032419.D

Acq: 11 Nov 2025 11:01

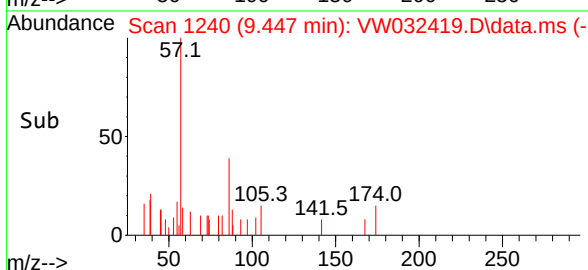
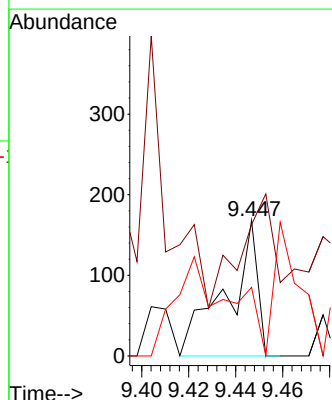
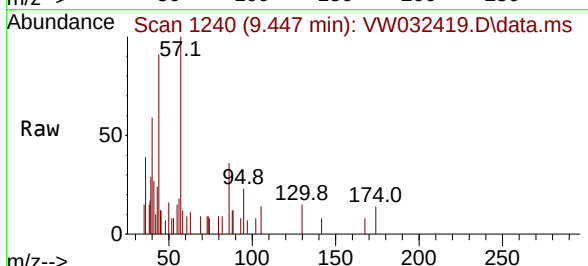
Tgt Ion: 88 Resp: 153

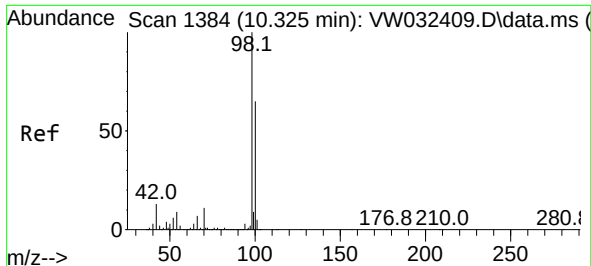
Ion Ratio Lower Upper

88 100

43 115.7 0.0 0.0#

58 79.1 63.0 94.4

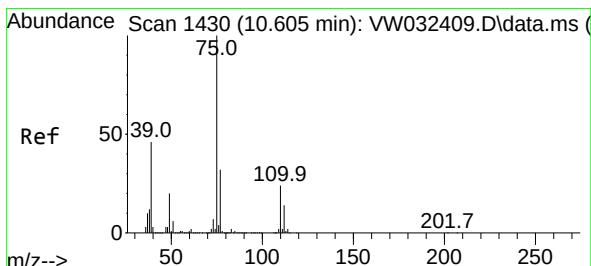
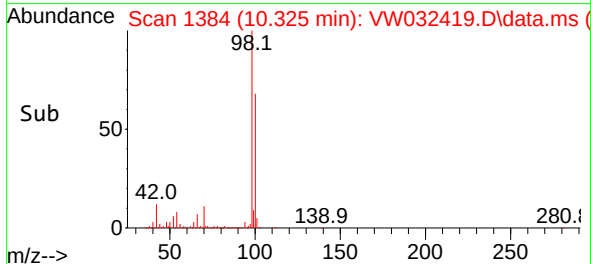
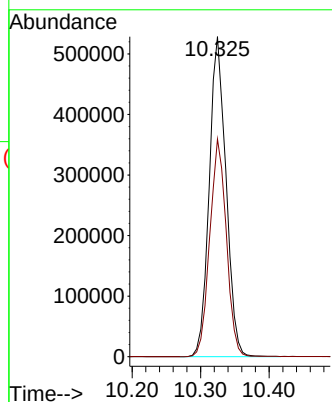
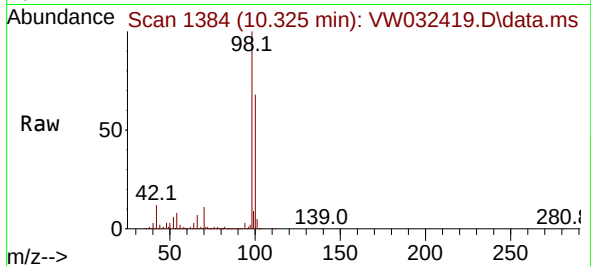




#50
Toluene-d8
Concen: 49.457 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

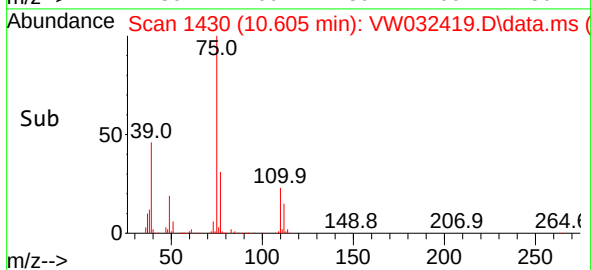
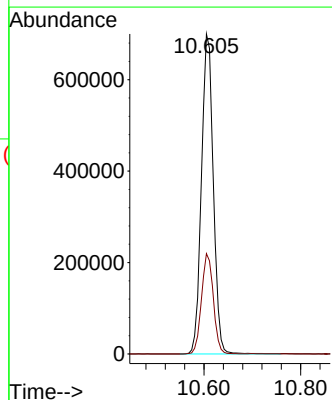
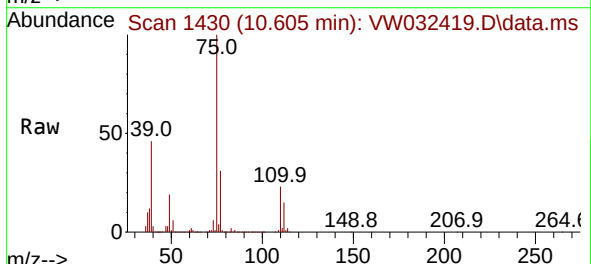
Instrument :
MSVOA_W
ClientSampleId :

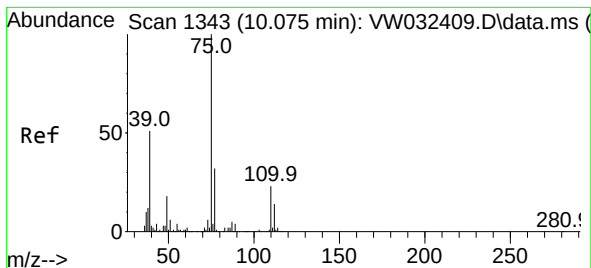
Tgt Ion: 98 Resp: 899822
Ion Ratio Lower Upper
98 100
100 67.3 53.3 79.9



#53
t-1,3-Dichloropropene
Concen: 154.825 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 75 Resp: 1190954
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0

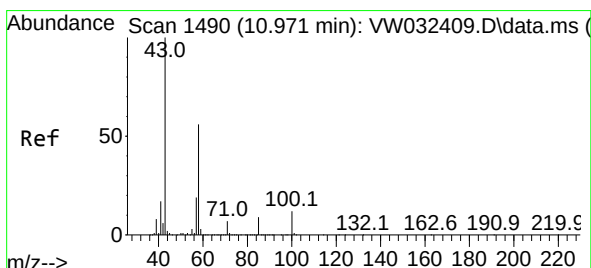
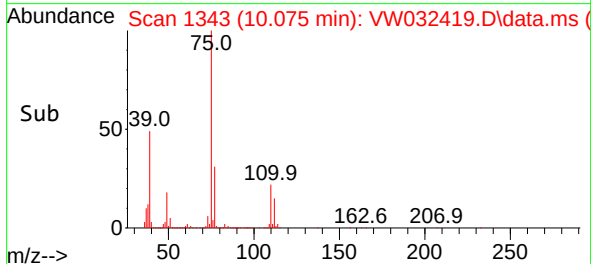
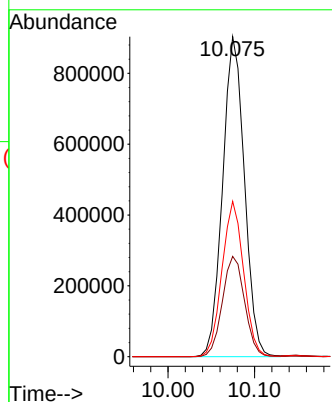
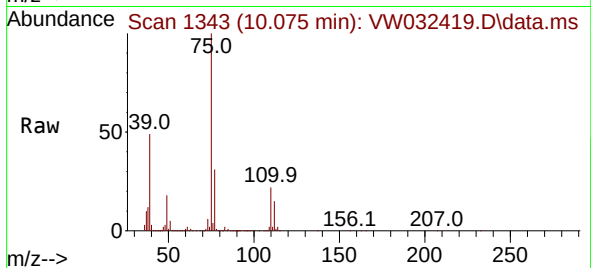




#54
cis-1,3-Dichloropropene
Concen: 177.588 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

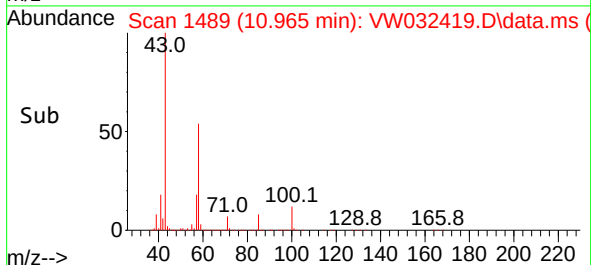
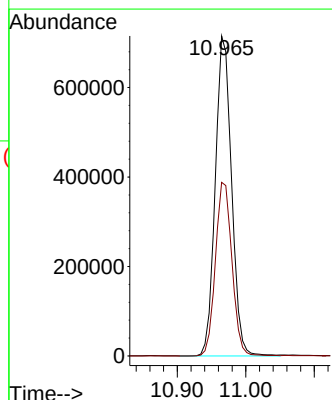
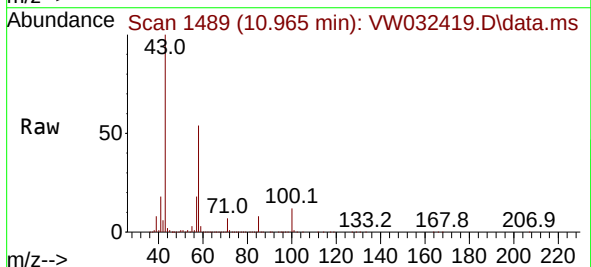
Instrument :
MSVOA_W
ClientSampleId :

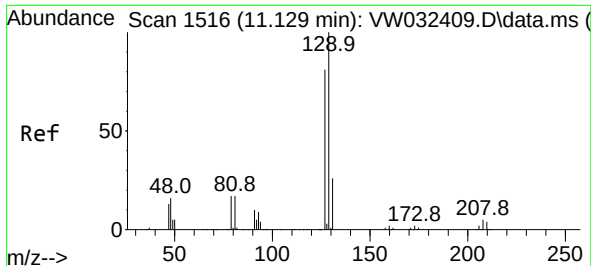
Tgt Ion: 75 Resp: 1579743
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4
39 48.5 40.7 61.1



#59
2-Hexanone
Concen: 317.181 ug/l
RT: 10.965 min Scan# 1489
Delta R.T. -0.006 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 43 Resp: 1180325
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2

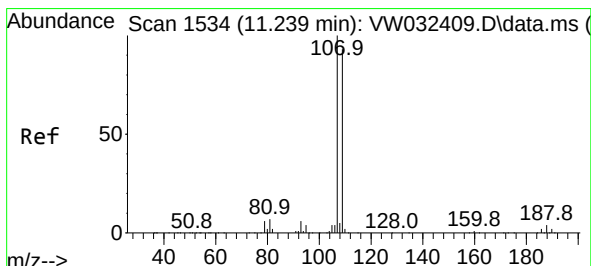
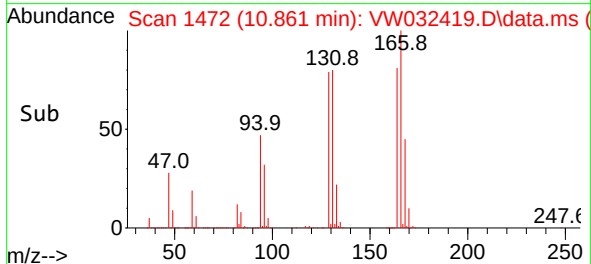
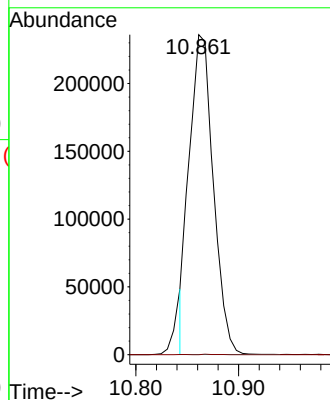
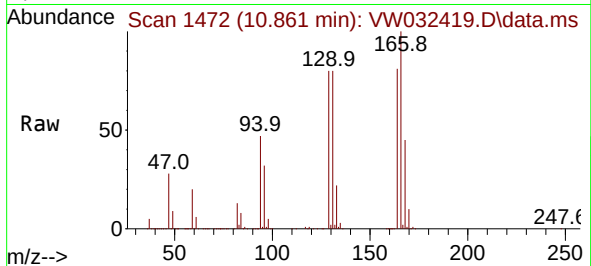




#60
Dibromochloromethane
Concen: 76.191 ug/l
RT: 10.861 min Scan# 14
Delta R.T. -0.268 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

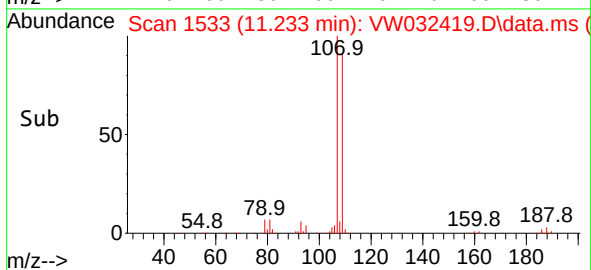
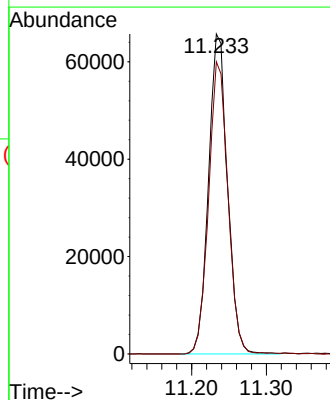
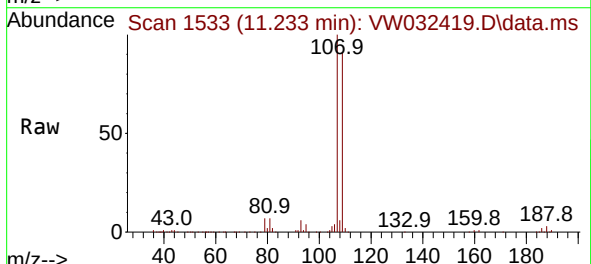
Instrument :
MSVOA_W
ClientSampleId :

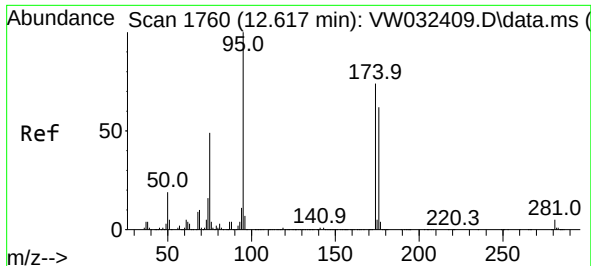
Tgt Ion:129 Resp: 382188
Ion Ratio Lower Upper
129 100
127 0.1 39.2 117.6#



#61
1,2-Dibromoethane
Concen: 26.400 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. -0.006 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion:107 Resp: 115500
Ion Ratio Lower Upper
107 100
109 93.3 76.3 114.5

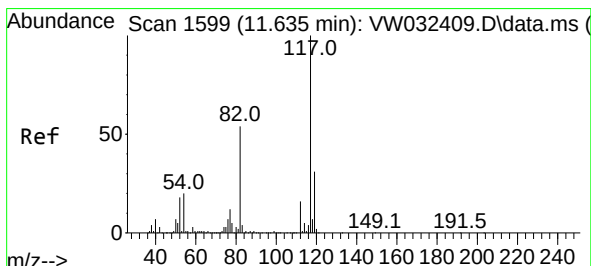
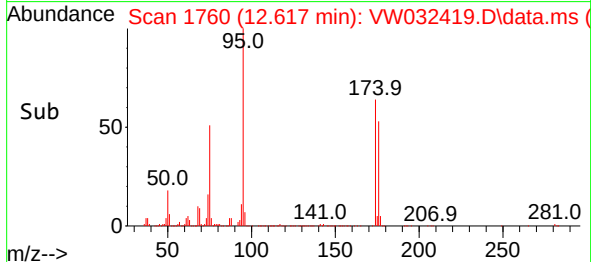
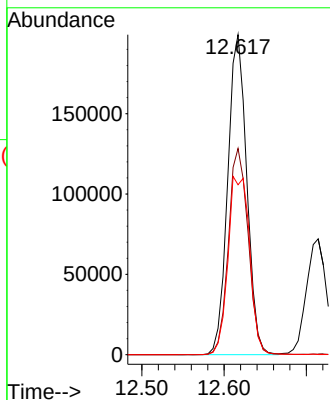
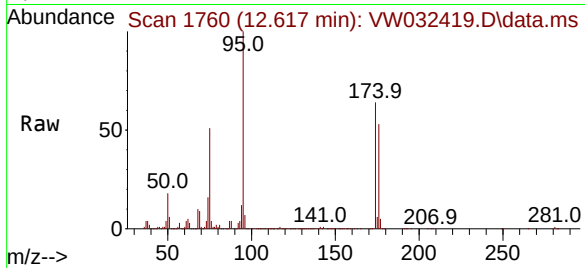




#62
4-Bromofluorobenzene
Concen: 46.457 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

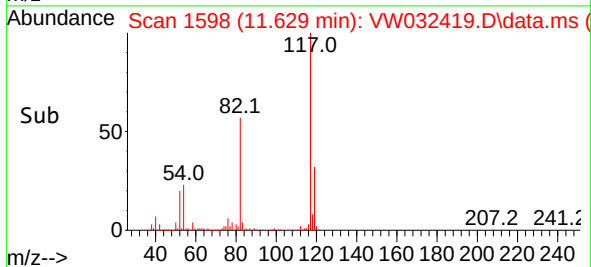
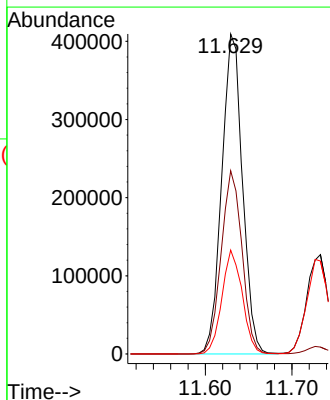
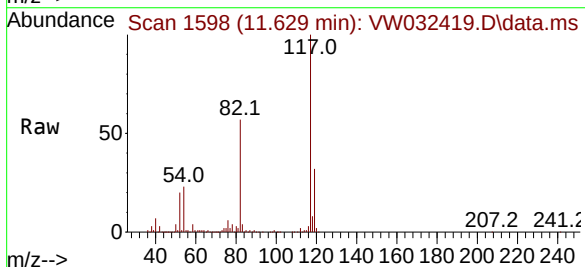
Instrument :
MSVOA_W
ClientSampleId :

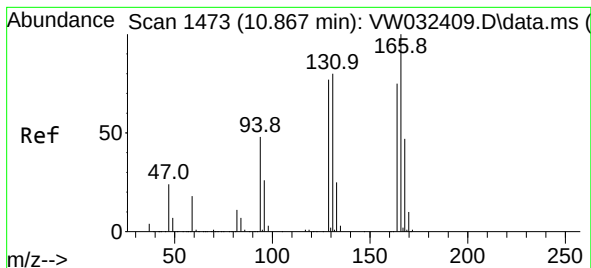
Tgt Ion: 95 Resp: 319300
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.4
176 63.5 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 117 Resp: 681337
Ion Ratio Lower Upper
117 100
82 57.3 43.0 64.4
119 32.5 25.0 37.6





#64

Tetrachloroethene

Concen: 99.906 ug/l

RT: 10.861 min Scan# 1473

Delta R.T. -0.006 min

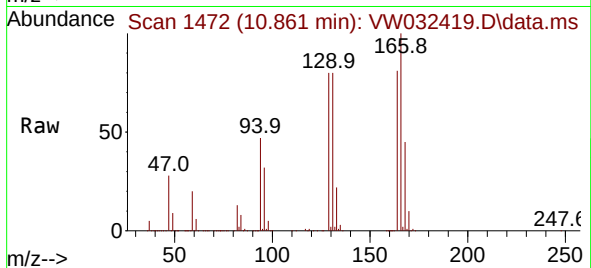
Lab File: VW032419.D

Acq: 11 Nov 2025 11:01

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:164 Resp: 403093

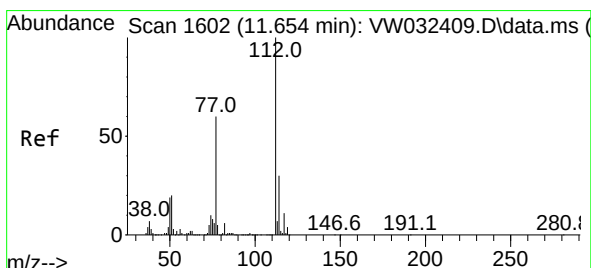
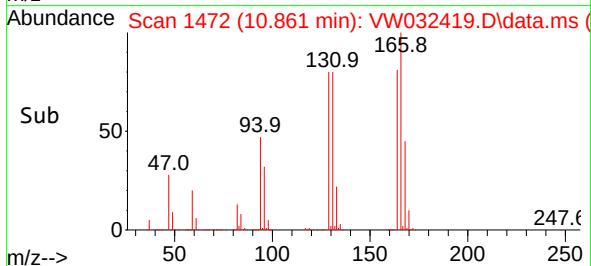
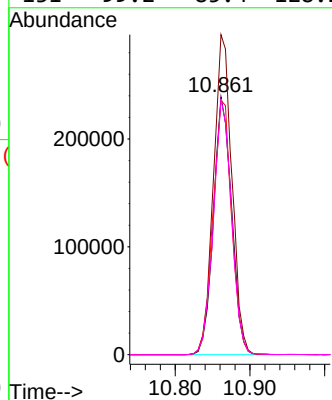
Ion Ratio Lower Upper

164 100

166 124.2 107.0 160.4

129 98.8 82.9 124.3

131 99.2 85.4 128.2



#65

Chlorobenzene

Concen: 23.092 ug/l

RT: 11.660 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VW032419.D

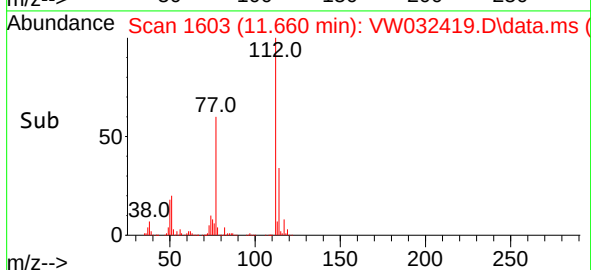
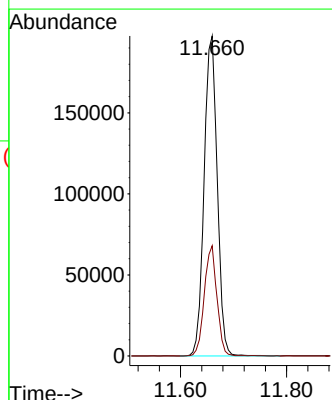
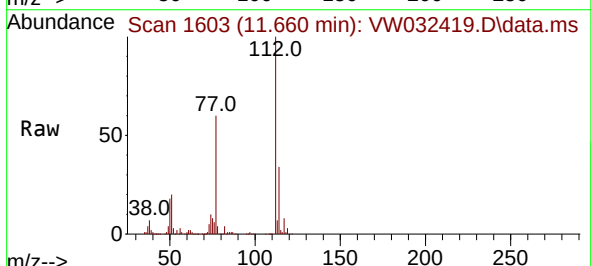
Acq: 11 Nov 2025 11:01

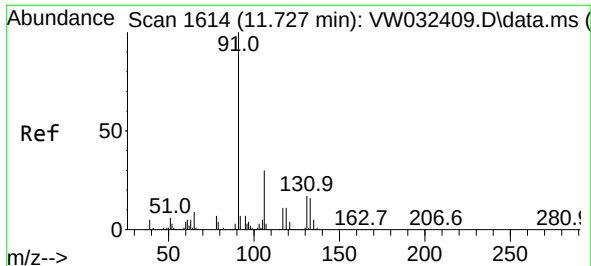
Tgt Ion:112 Resp: 339108

Ion Ratio Lower Upper

112 100

114 34.4 24.4 36.6

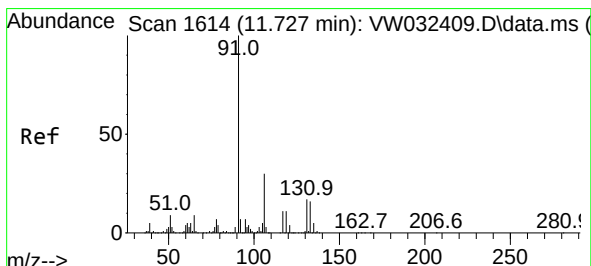
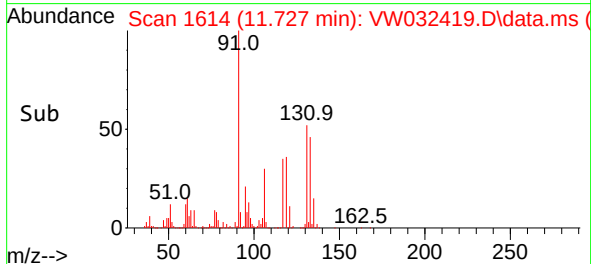
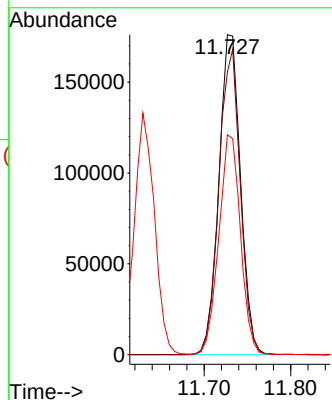
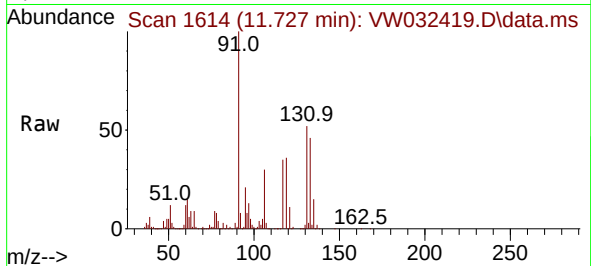




#66
1,1,1,2-Tetrachloroethane
Concen: 67.449 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

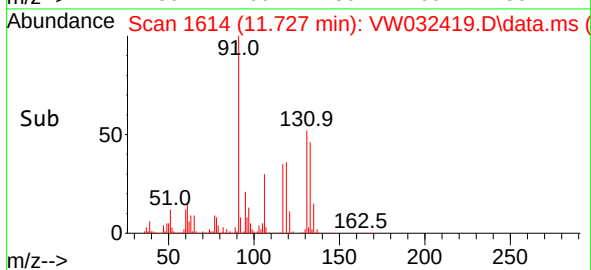
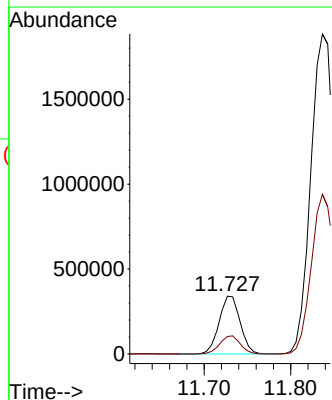
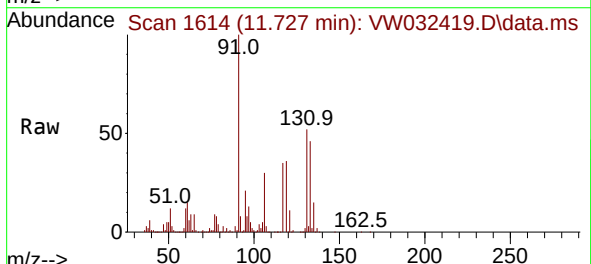
Instrument :
MSVOA_W
ClientSampleId :

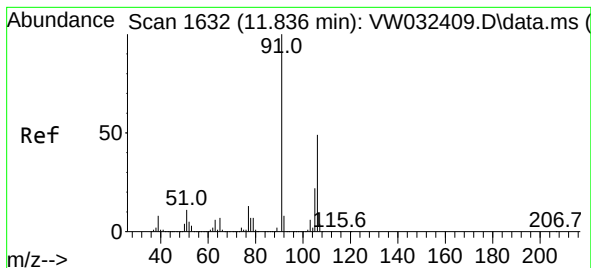
Tgt Ion:131 Resp: 306541
Ion Ratio Lower Upper
131 100
133 93.8 46.9 140.6
119 68.6 33.4 100.2



#67
Ethyl Benzene
Concen: 22.546 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 91 Resp: 572879
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.2

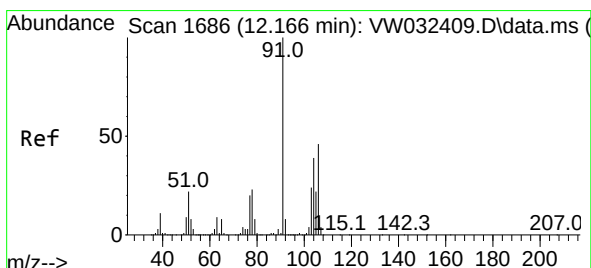
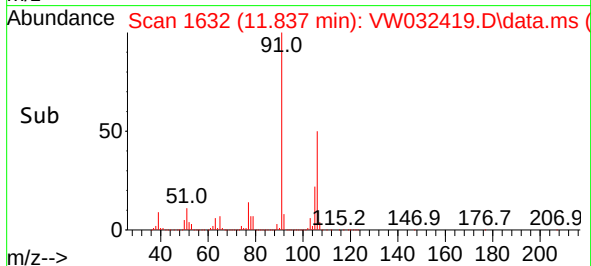
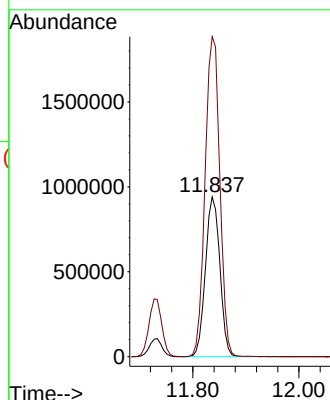
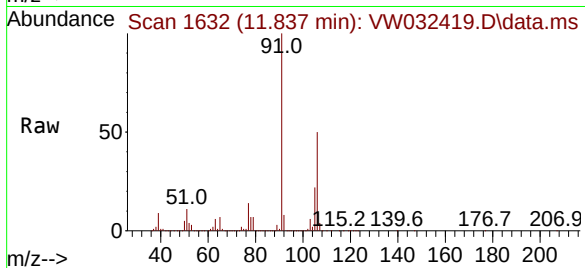




#68
m/p-Xylenes
Concen: 185.948 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

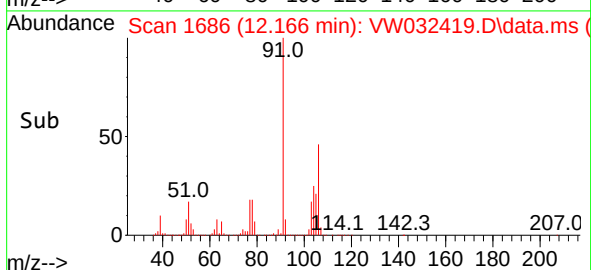
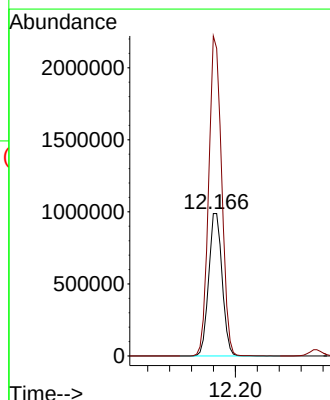
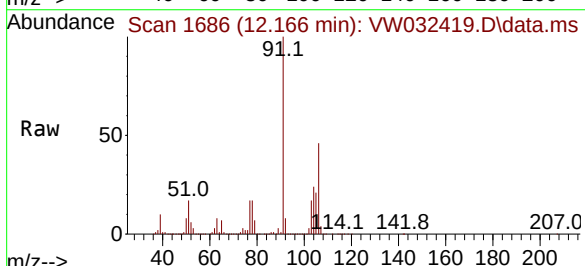
Instrument :
MSVOA_W
ClientSampleId :

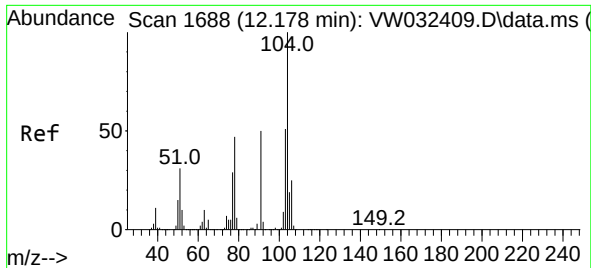
Tgt Ion:106 Resp: 1774005
Ion Ratio Lower Upper
106 100
91 204.5 165.5 248.3



#69
o-Xylene
Concen: 182.855 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion:106 Resp: 1670349
Ion Ratio Lower Upper
106 100
91 217.0 109.3 327.8

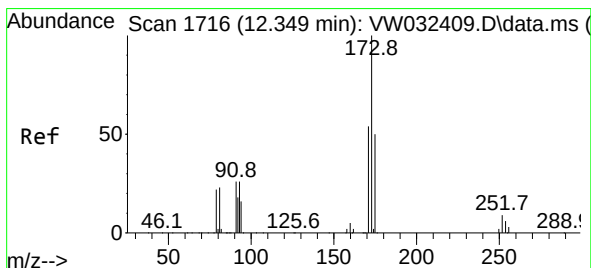
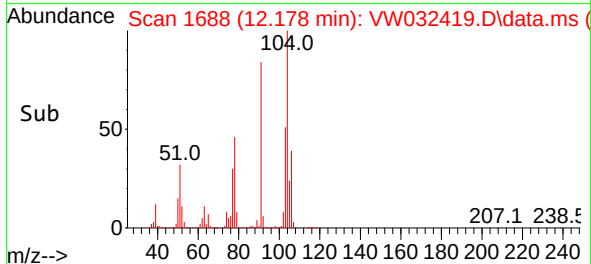
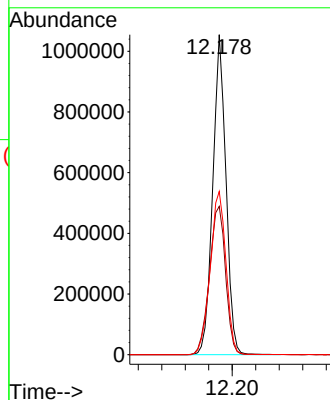
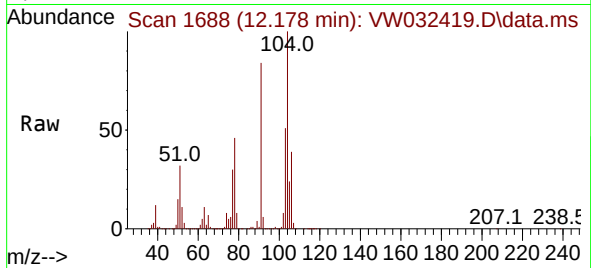




#70
Styrene
Concen: 104.504 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

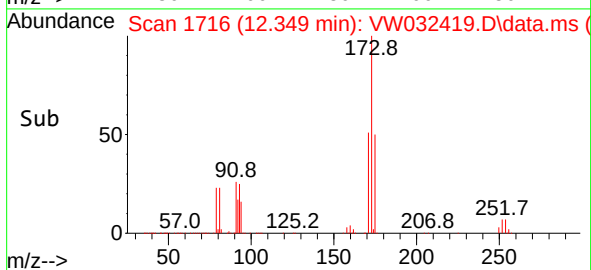
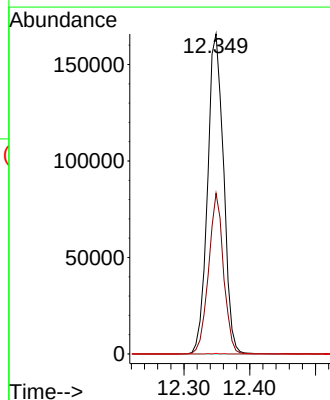
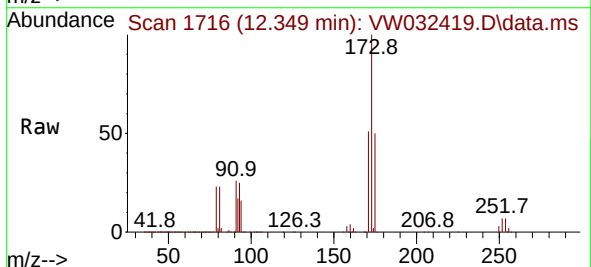
Instrument :
MSVOA_W
ClientSampleId :

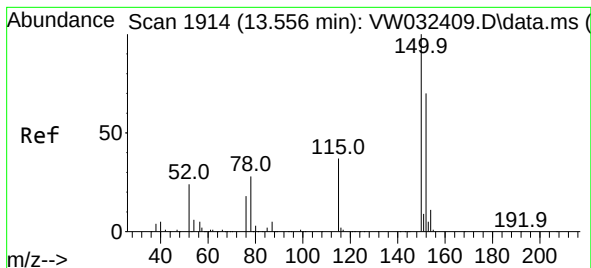
Tgt Ion:104 Resp: 1642187
Ion Ratio Lower Upper
104 100
78 56.8 40.7 61.1
103 60.7 43.9 65.9



#71
Bromoform
Concen: 104.136 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion:173 Resp: 280327
Ion Ratio Lower Upper
173 100
175 46.9 25.1 75.2
254 0.1 0.1 0.1

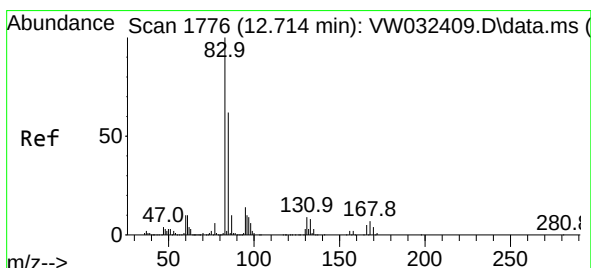
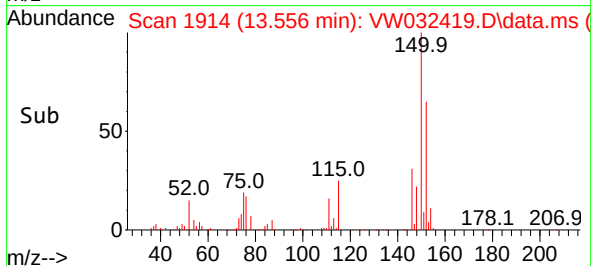
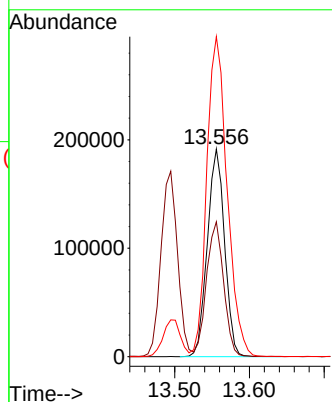
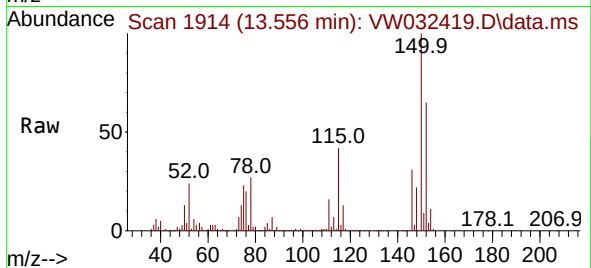




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032419.D
 Acq: 11 Nov 2025 11:01

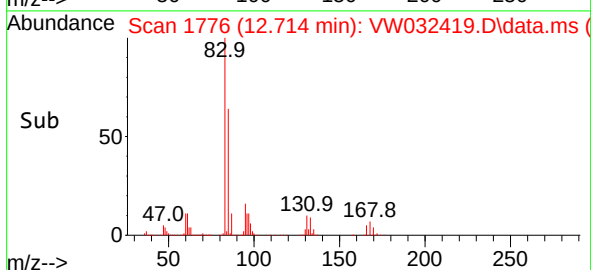
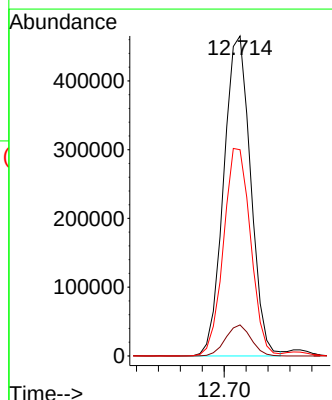
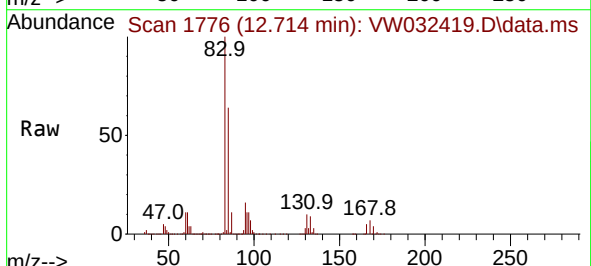
Instrument :
 MSVOA_W
 ClientSampleId :

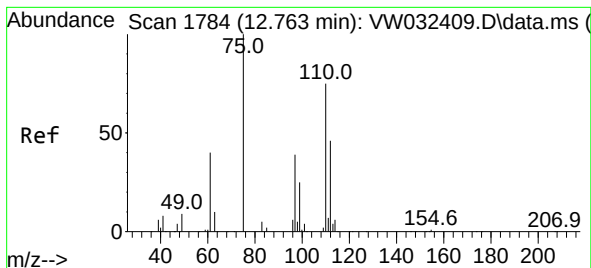
Tgt Ion:152 Resp: 307014
 Ion Ratio Lower Upper
 152 100
 115 64.2 32.8 98.3
 150 181.2 0.0 356.6



#75
 1,1,2,2-Tetrachloroethane
 Concen: 148.210 ug/l
 RT: 12.714 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: VW032419.D
 Acq: 11 Nov 2025 11:01

Tgt Ion: 83 Resp: 793103
 Ion Ratio Lower Upper
 83 100
 131 9.2 5.0 14.9
 85 65.3 31.6 94.8





#76

1,2,3-Trichloropropane

Concen: 128.331 ug/l

RT: 12.763 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032419.D

Acq: 11 Nov 2025 11:01

Instrument :

MSVOA_W

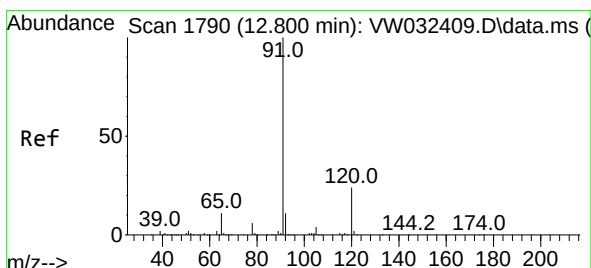
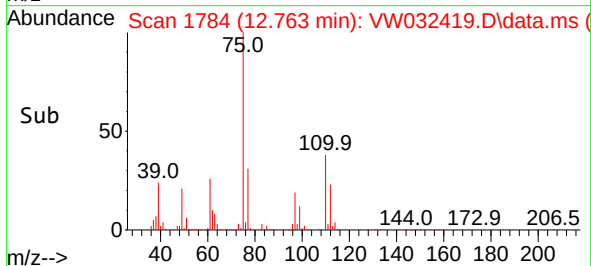
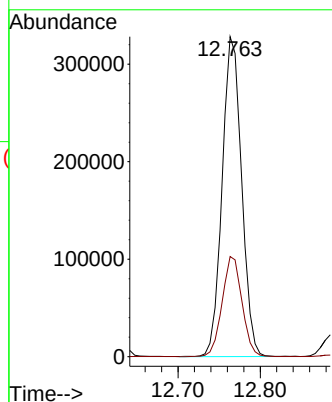
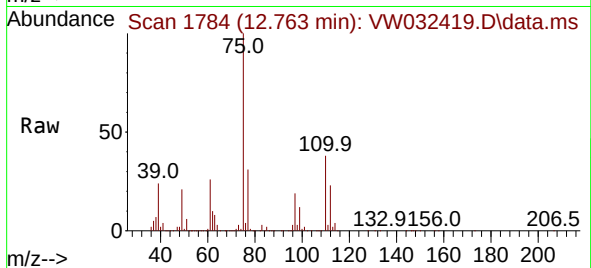
ClientSampleId :

Tgt Ion: 75 Resp: 540232

Ion Ratio Lower Upper

75 100

77 31.9 151.6 454.8#



#78

n-propylbenzene

Concen: 54.488 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.091 min

Lab File: VW032419.D

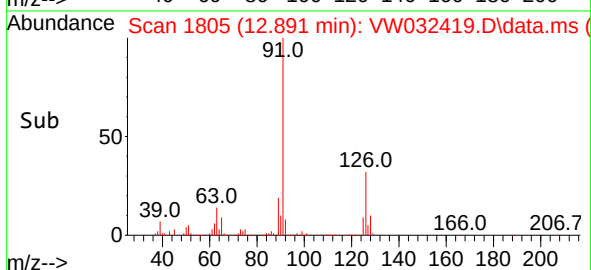
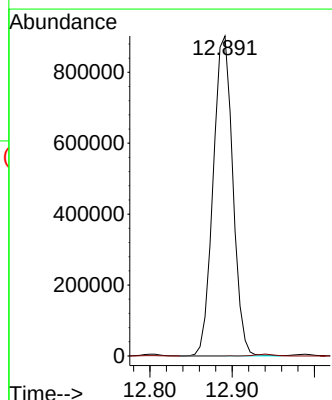
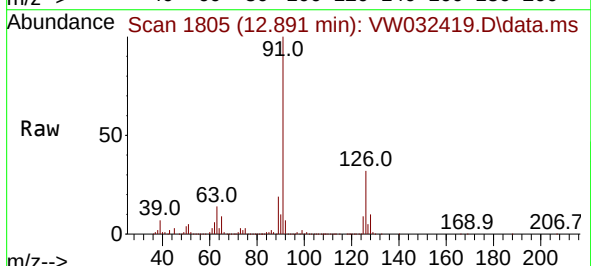
Acq: 11 Nov 2025 11:01

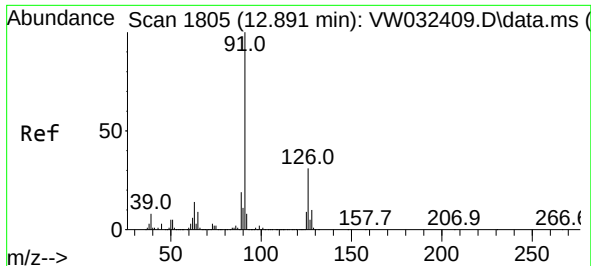
Tgt Ion: 91 Resp: 1496209

Ion Ratio Lower Upper

91 100

120 0.0 11.3 33.9#

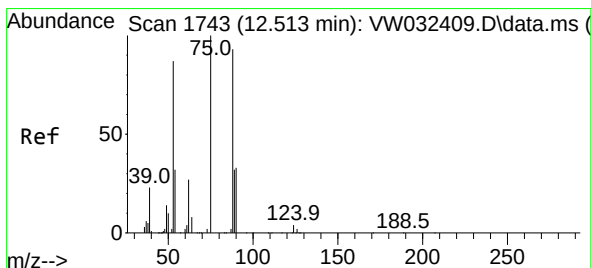
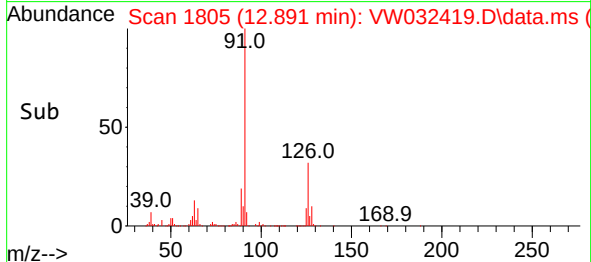
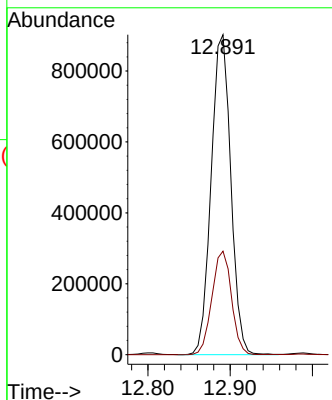
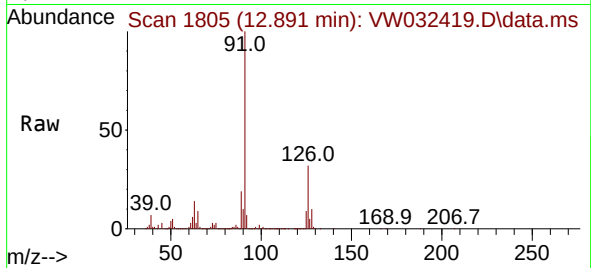




#79
2-Chlorotoluene
Concen: 89.258 ug/l
RT: 12.891 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

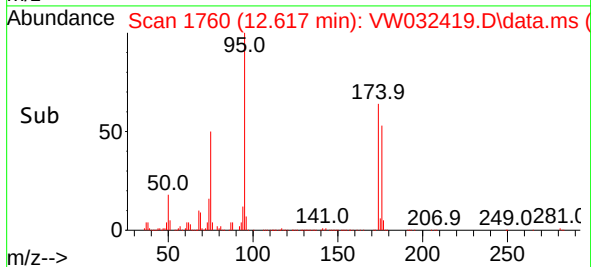
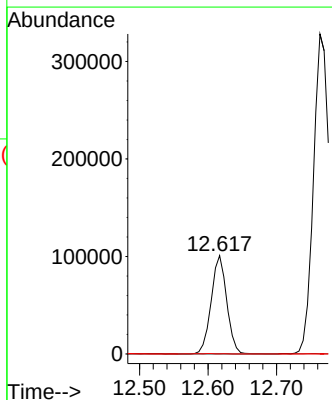
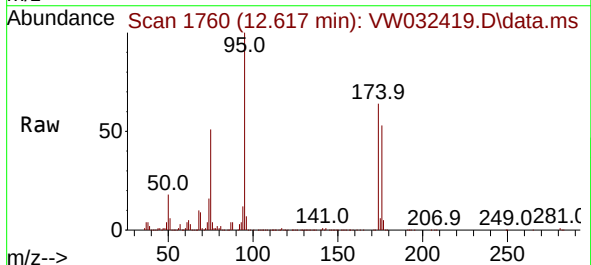
Instrument :
MSVOA_W
ClientSampleId :

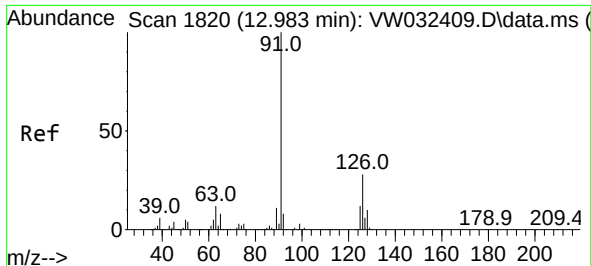
Tgt Ion: 91 Resp: 1496209
Ion Ratio Lower Upper
91 100
126 32.2 16.1 48.2



#81
trans-1,4-Dichloro-2-butene
Concen: 86.548 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 75 Resp: 159069
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 35.6 53.4#

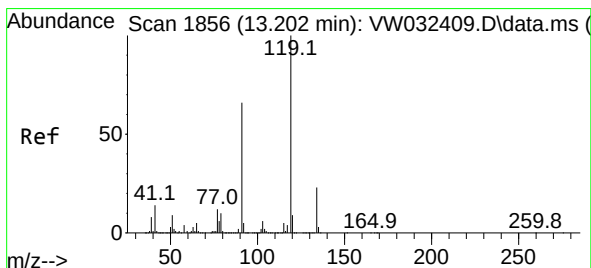
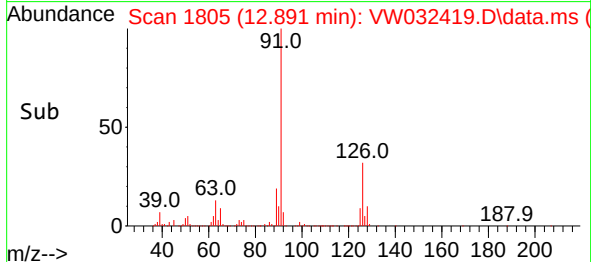
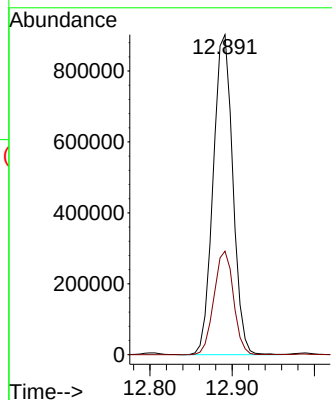
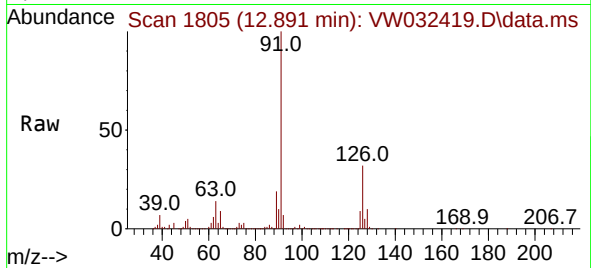




#82
4-Chlorotoluene
Concen: 85.818 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.091 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

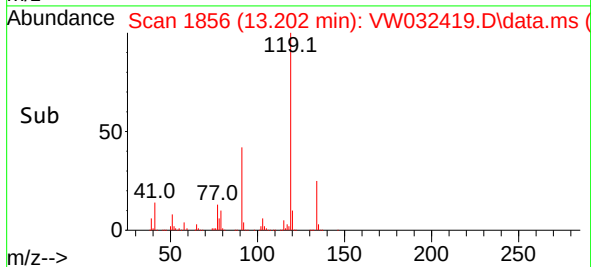
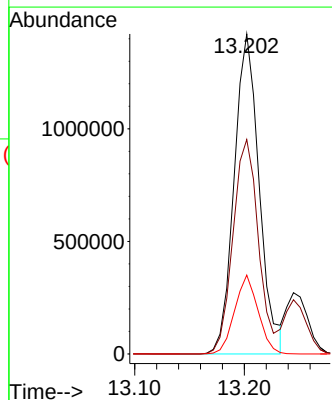
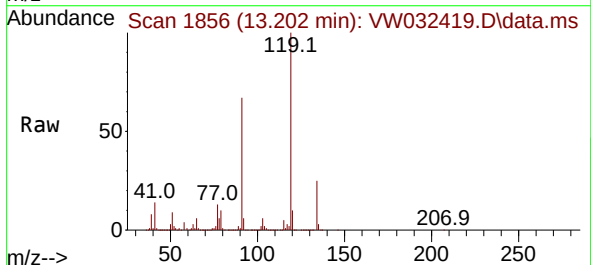
Instrument :
MSVOA_W
ClientSampleId :

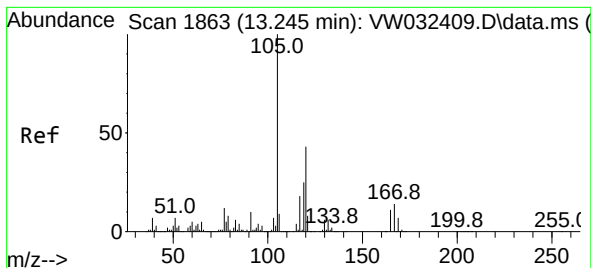
Tgt Ion: 91 Resp: 1496209
Ion Ratio Lower Upper
91 100
126 32.2 15.5 46.5



#83
tert-Butylbenzene
Concen: 139.255 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW032419.D
Acq: 11 Nov 2025 11:01

Tgt Ion: 119 Resp: 2253438
Ion Ratio Lower Upper
119 100
91 67.6 33.3 99.9
134 23.1 12.2 36.4





#84

1,2,4-Trimethylbenzene

Concen: 190.747 ug/l

RT: 13.245 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032419.D

Acq: 11 Nov 2025 11:01

Instrument :

MSVOA_W

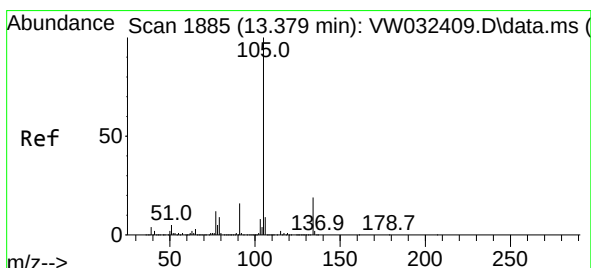
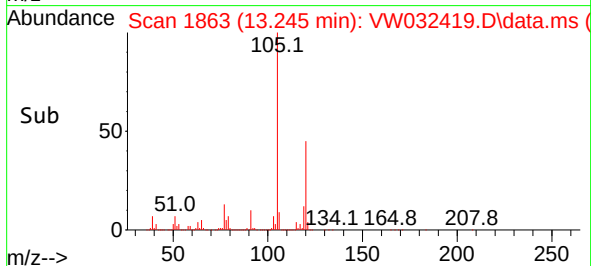
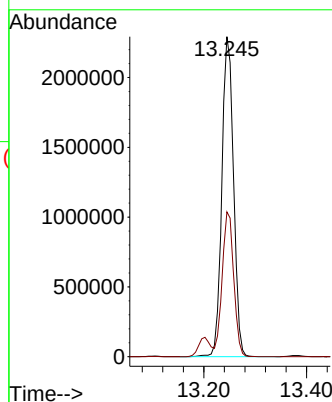
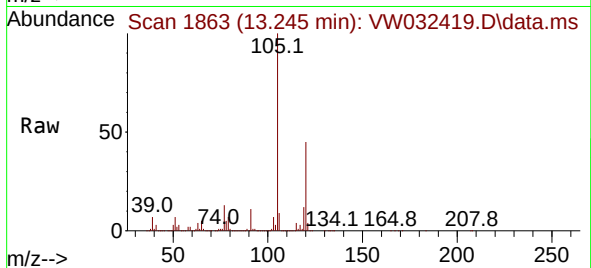
ClientSampleId :

Tgt Ion:105 Resp: 3609029

Ion Ratio Lower Upper

105 100

120 44.6 22.1 66.5



#85

sec-Butylbenzene

Concen: 5.310 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.116 min

Lab File: VW032419.D

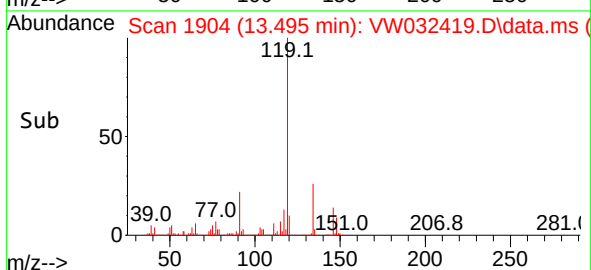
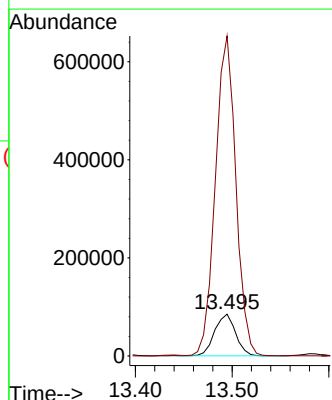
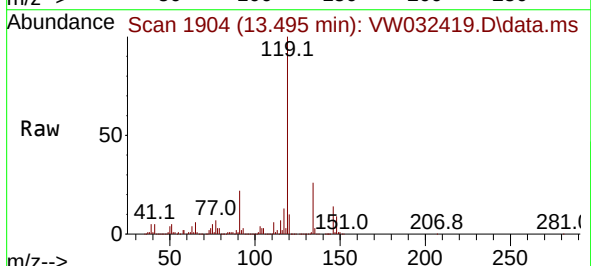
Acq: 11 Nov 2025 11:01

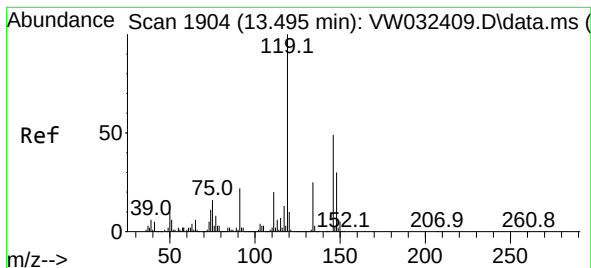
Tgt Ion:105 Resp: 127960

Ion Ratio Lower Upper

105 100

134 750.0 9.8 29.3#

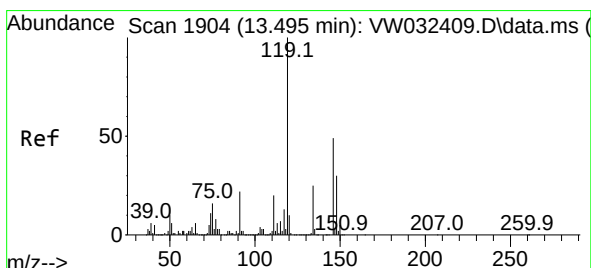
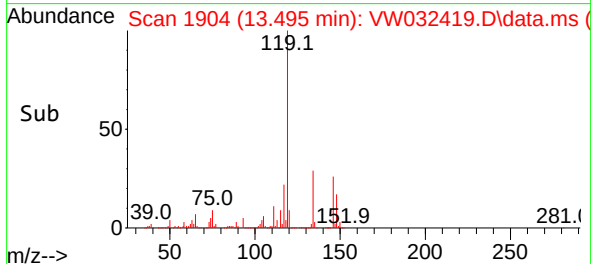
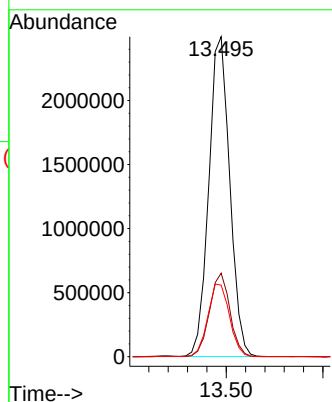
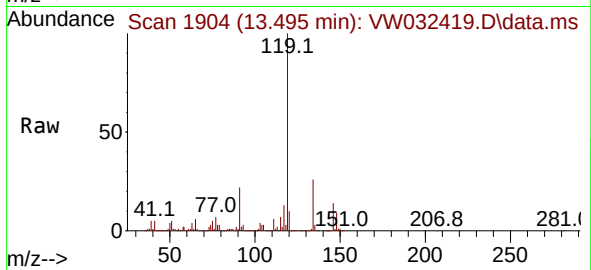




#86
 p-Isopropyltoluene
 Concen: 188.963 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032419.D
 Acq: 11 Nov 2025 11:01

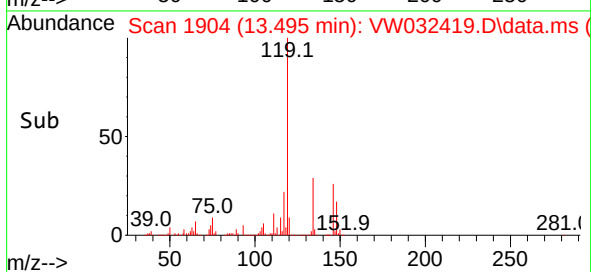
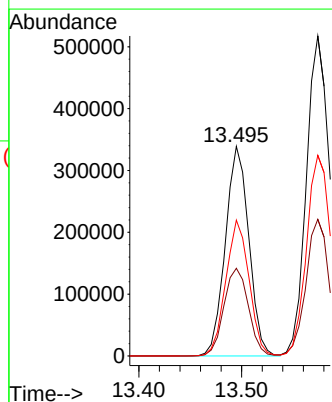
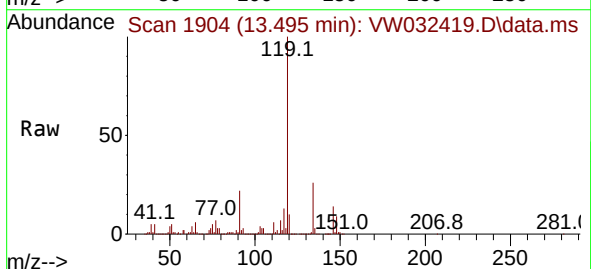
Instrument :
 MSVOA_W
 ClientSampleId :

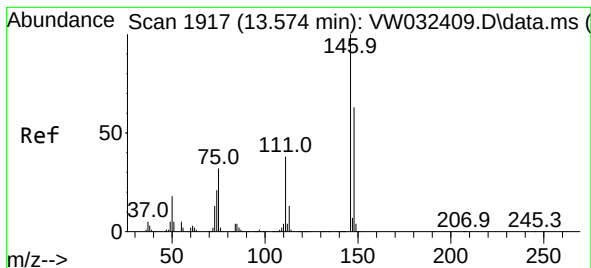
Tgt Ion:119 Resp: 3760070
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.1
 91 23.4 11.9 35.5



#87
 1,3-Dichlorobenzene
 Concen: 53.220 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032419.D
 Acq: 11 Nov 2025 11:01

Tgt Ion:146 Resp: 538690
 Ion Ratio Lower Upper
 146 100
 111 43.6 22.2 66.6
 148 64.4 33.4 100.1





#88

1,4-Dichlorobenzene

Concen: 79.578 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032419.D

Acq: 11 Nov 2025 11:01

Instrument :

MSVOA_W

ClientSampleId :

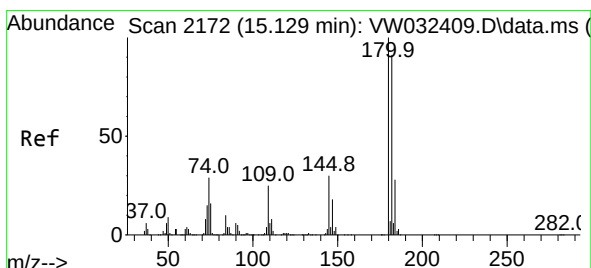
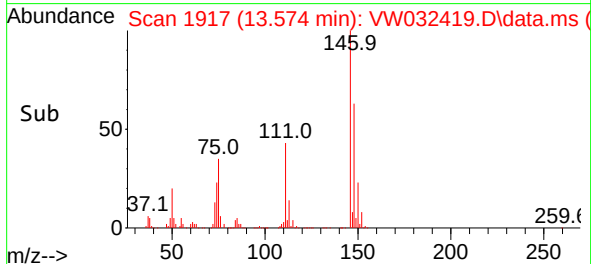
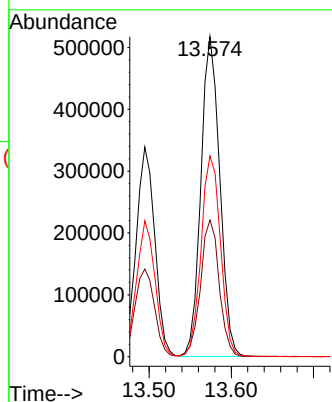
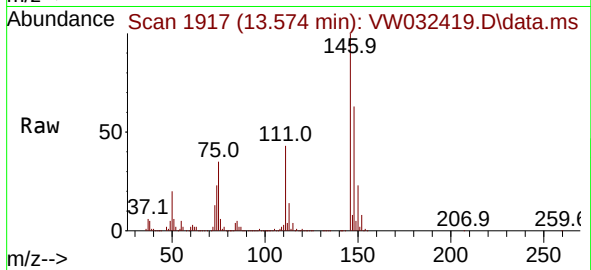
Tgt Ion:146 Resp: 825210

Ion Ratio Lower Upper

146 100

111 42.3 20.5 61.6

148 64.4 31.2 93.6



#93

1,2,4-Trichlorobenzene

Concen: 157.754 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032419.D

Acq: 11 Nov 2025 11:01

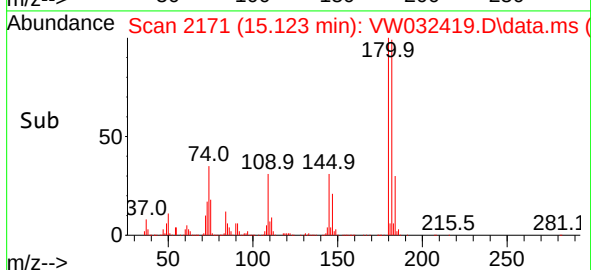
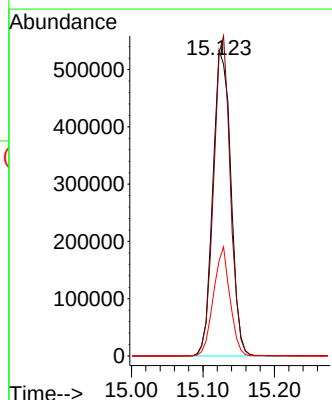
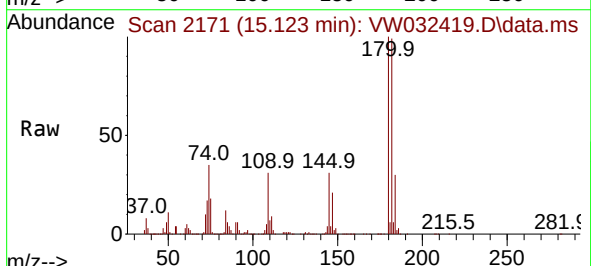
Tgt Ion:180 Resp: 932796

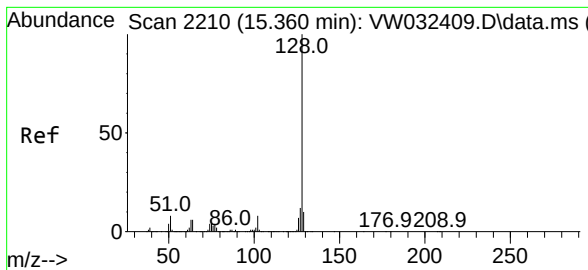
Ion Ratio Lower Upper

180 100

182 97.2 45.3 135.9

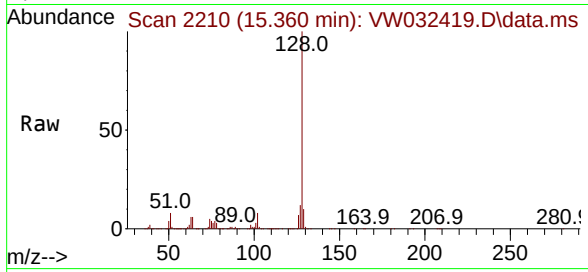
145 32.7 16.2 48.5





#95
 Naphthalene
 Concen: 61.703 ug/l
 RT: 15.360 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW032419.D
 Acq: 11 Nov 2025 11:01

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:128 Resp: 909817

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.9	8.6	12.8

