

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032497.D
 Acq On : 19 Nov 2025 13:14
 Operator : SY/MD
 Sample : Q3649-04
 Misc : 6.21g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUPE-0.5-1.0-20251114

Quant Time: Nov 20 01:18:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

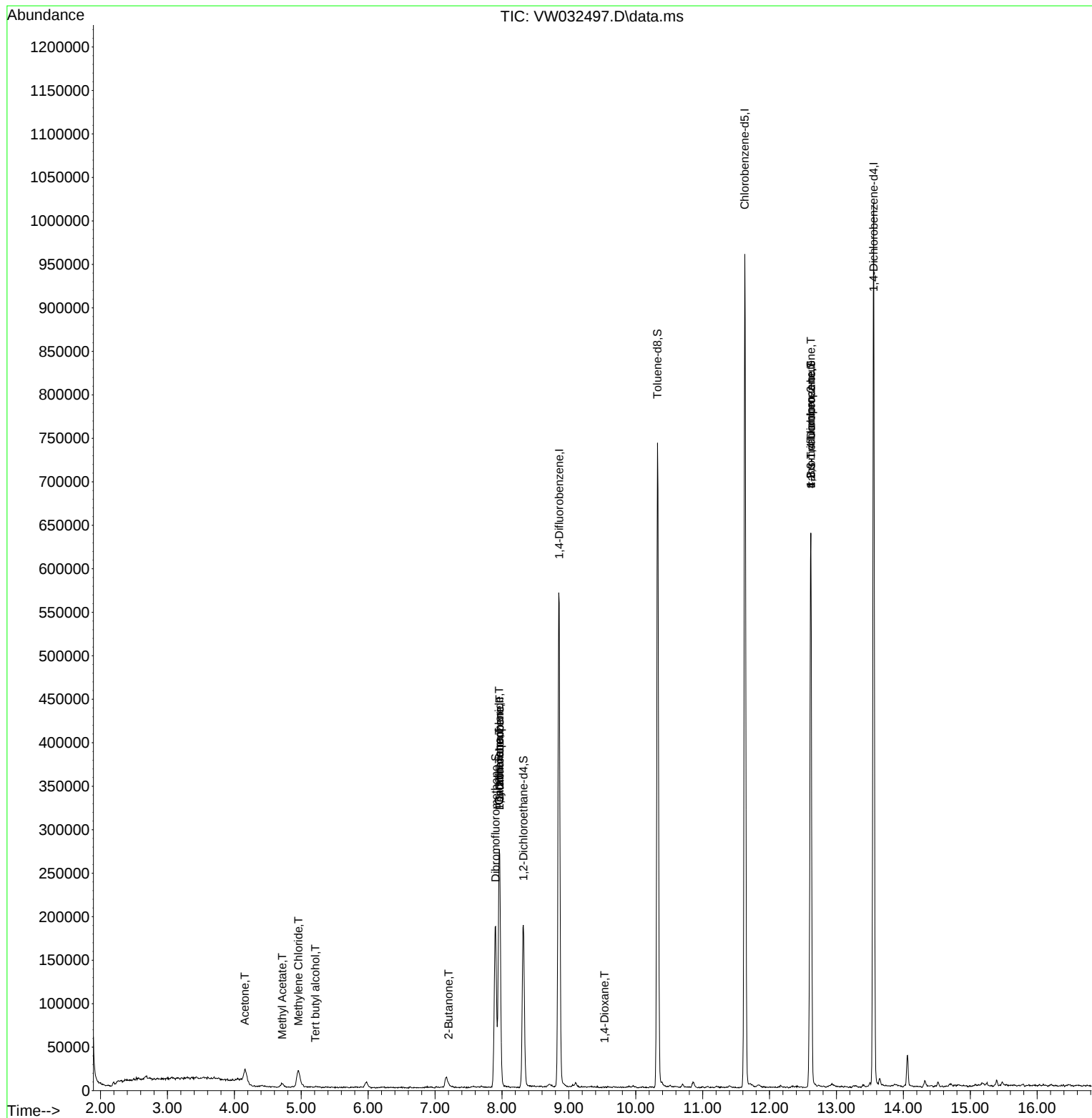
Internal Standards						
1) Pentafluorobenzene	7.965	168	197627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	485828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	516048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	249401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	153222	60.137	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 120.280%			
35) Dibromofluoromethane	7.904	113	141253	48.561	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.120%			
50) Toluene-d8	10.325	98	494342	44.300	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 88.600%			
62) 4-Bromofluorobenzene	12.617	95	216521	51.364	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.210	59	308	1.398	ug/l #	90
16) Acetone	4.155	43	24175	31.715	ug/l	99
18) Methyl Acetate	4.716	43	10042	5.320	ug/l #	75
20) Methylene Chloride	4.960	84	17192	6.307	ug/l #	96
25) 2-Butanone	7.203	43	3490	3.108	ug/l	91
31) Cyclohexane	7.959	56	5277	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	19106	4.458	ug/l #	50
38) Carbon Tetrachloride	7.959	117	21520	5.651	ug/l #	17
49) 1,4-Dioxane	9.532	88	32	1.137	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	109575	32.042	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	109575	73.391	ug/l #	11

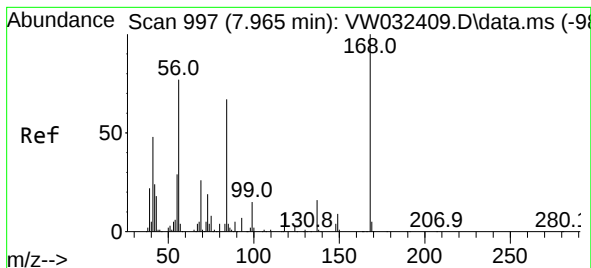
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
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Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

Lab File: VW032497.D

Acq: 19 Nov 2025 13:14

Instrument :

MSVOA_W

ClientSampleId :

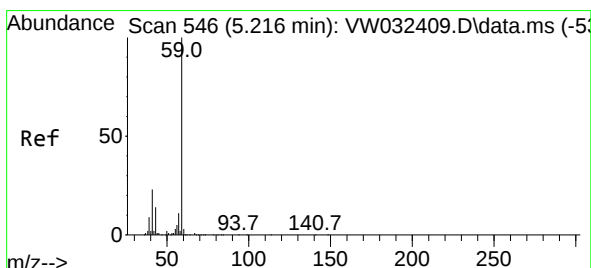
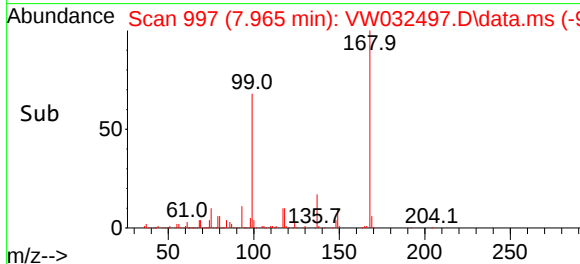
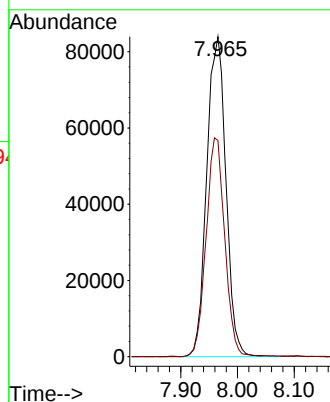
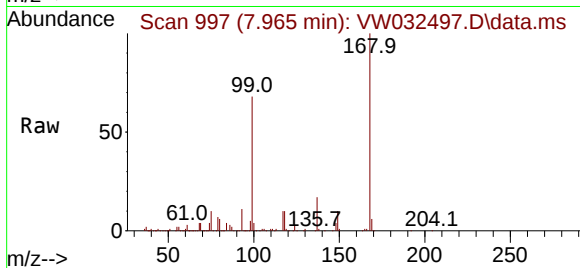
DUPE-0.5-1.0-20251114

Tgt Ion:168 Resp: 197627

Ion Ratio Lower Upper

168 100

99 67.6 45.4 68.2



#11

Tert butyl alcohol

Concen: 1.398 ug/l

RT: 5.210 min Scan# 545

Delta R.T. -0.006 min

Lab File: VW032497.D

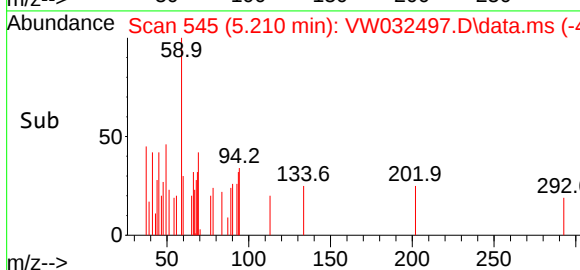
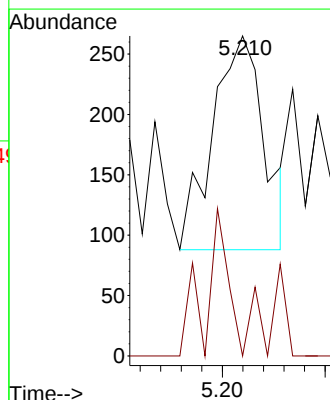
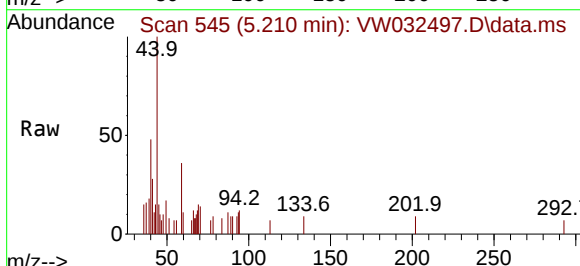
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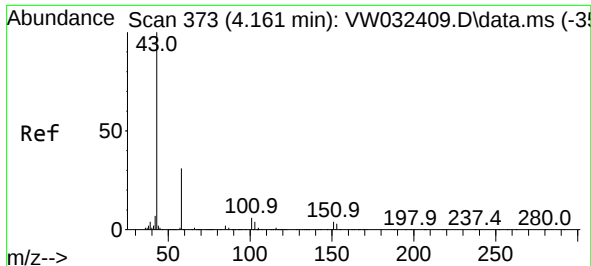
Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

59 100

57 6.8 8.6 12.8#

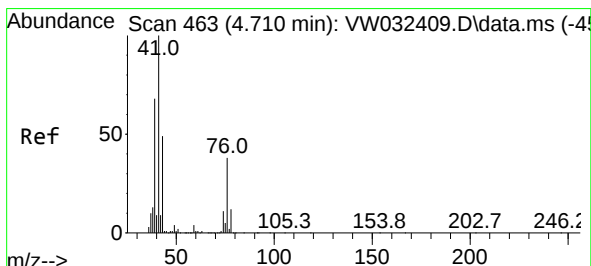
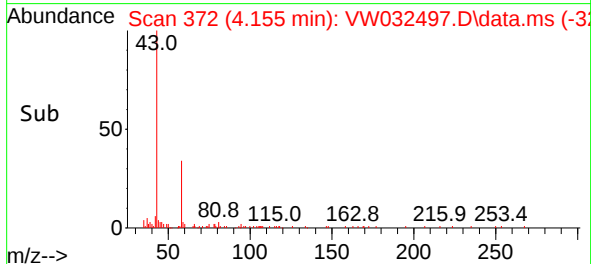
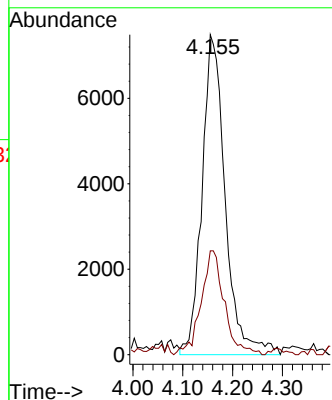
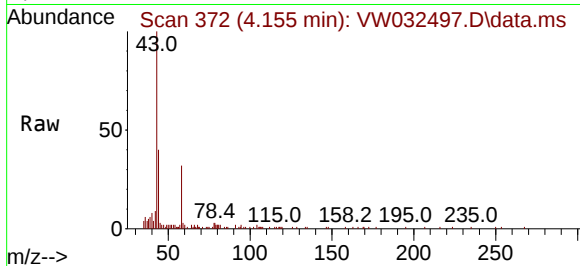




#16
Acetone
Concen: 31.715 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

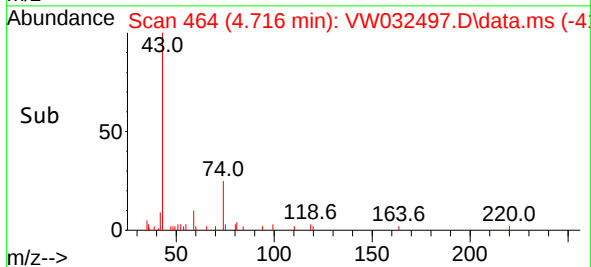
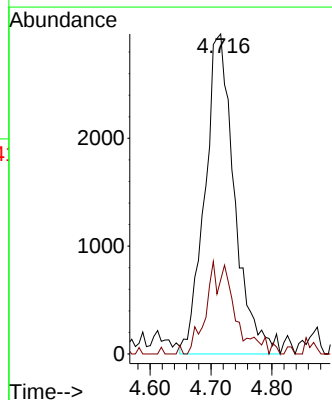
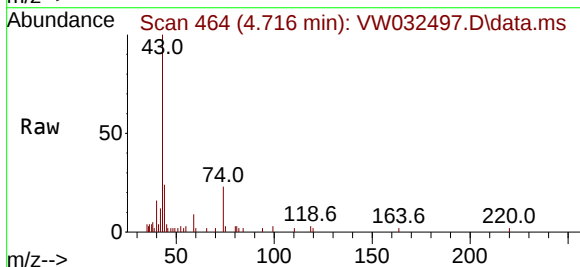
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

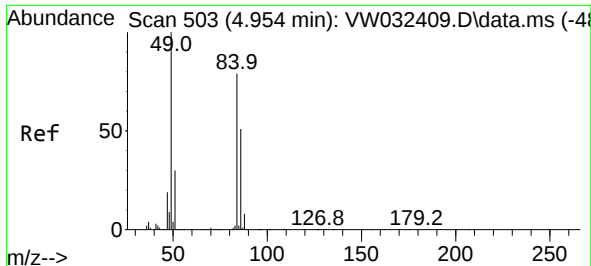
Tgt Ion: 43 Resp: 24175
Ion Ratio Lower Upper
43 100
58 30.3 24.8 37.2



#18
Methyl Acetate
Concen: 5.320 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion: 43 Resp: 10042
Ion Ratio Lower Upper
43 100
74 11.4 18.9 28.3#

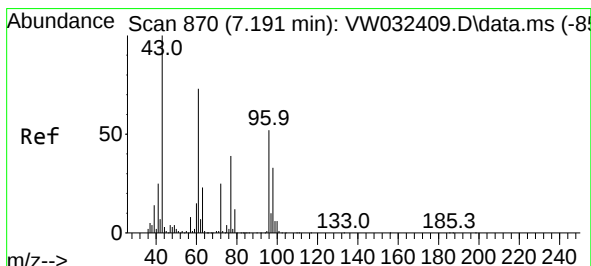
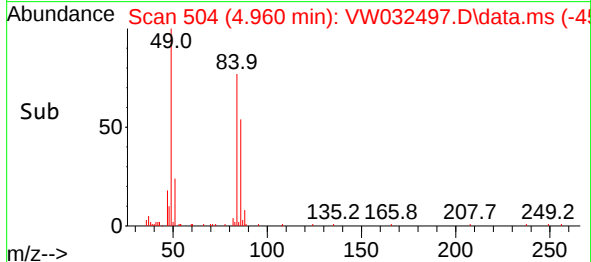
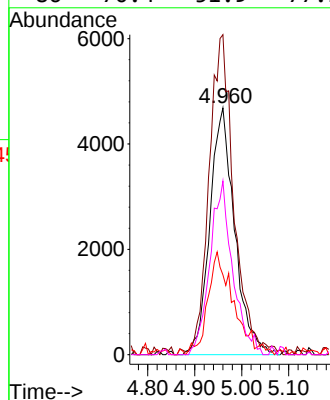
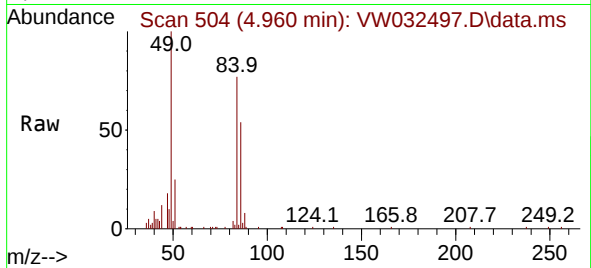




#20
Methylene Chloride
Concen: 6.307 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

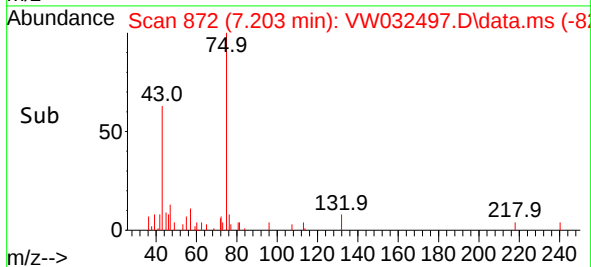
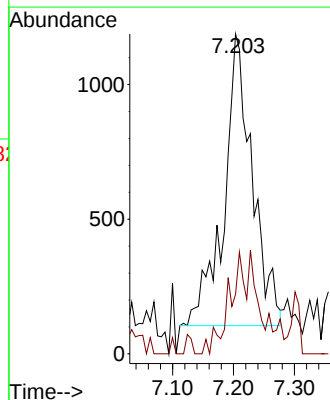
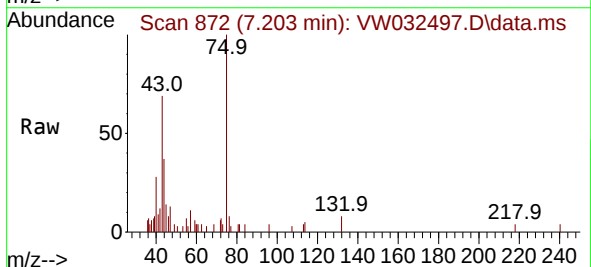
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

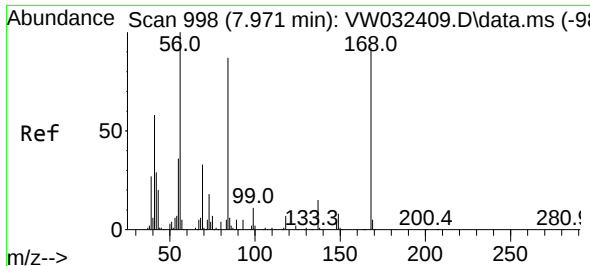
Tgt Ion: 84 Resp: 17192
Ion Ratio Lower Upper
84 100
49 127.6 101.5 152.3
51 30.4 30.6 46.0#
86 70.4 51.9 77.9



#25
2-Butanone
Concen: 3.108 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion: 43 Resp: 3490
Ion Ratio Lower Upper
43 100
72 20.4 20.0 30.0

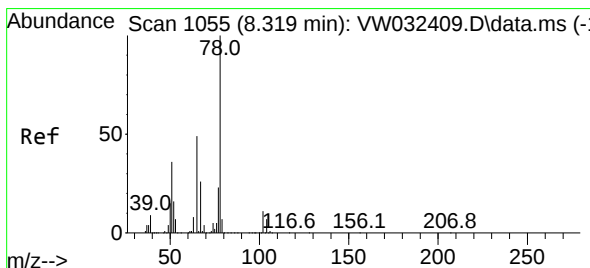
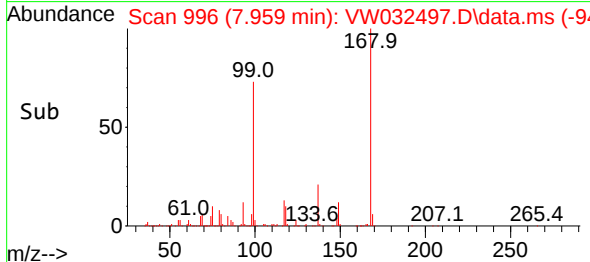
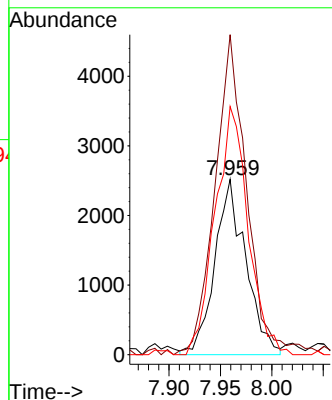
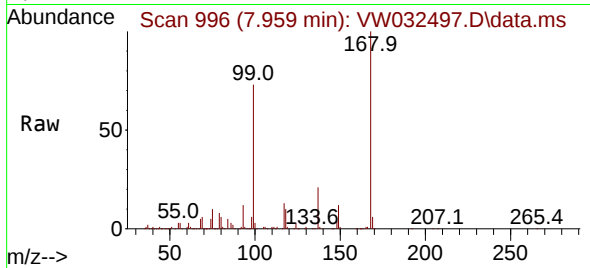




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

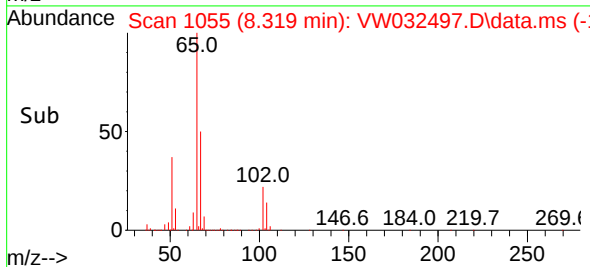
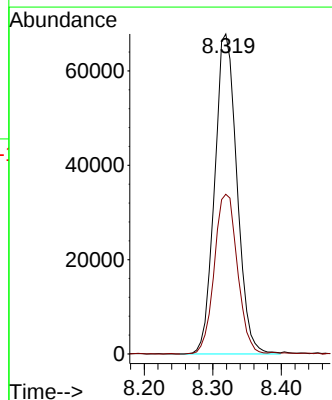
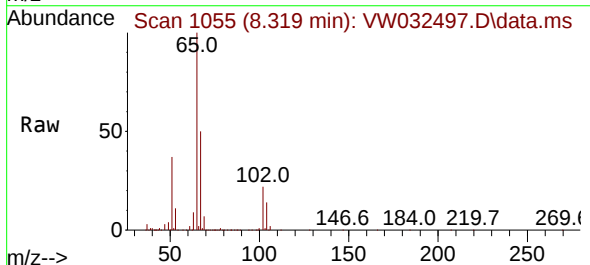
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

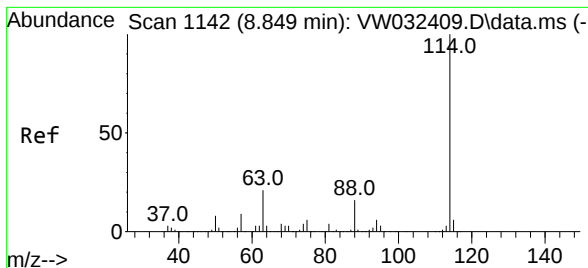
Tgt Ion: 56 Resp: 5277
Ion Ratio Lower Upper
56 100
69 184.1 26.5 39.7#
84 144.6 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 60.137 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion: 65 Resp: 153222
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032497.D

Acq: 19 Nov 2025 13:14

Instrument :

MSVOA_W

ClientSampleId :

DUPE-0.5-1.0-20251114

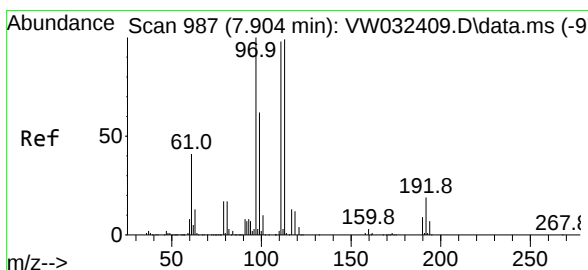
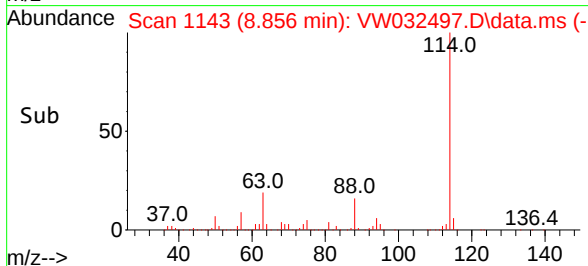
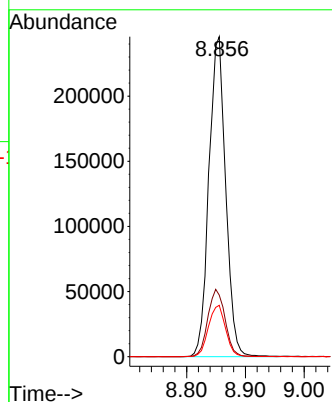
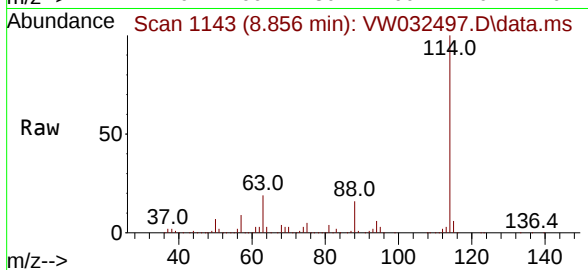
Tgt Ion:114 Resp: 485828

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.8

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.561 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032497.D

Acq: 19 Nov 2025 13:14

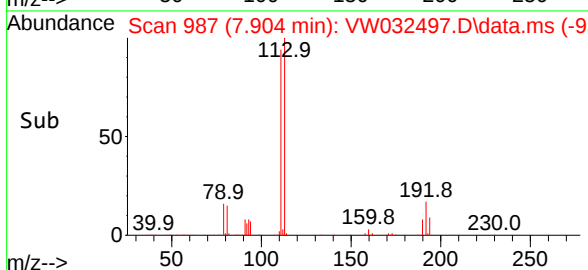
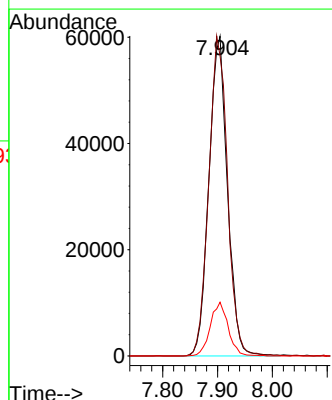
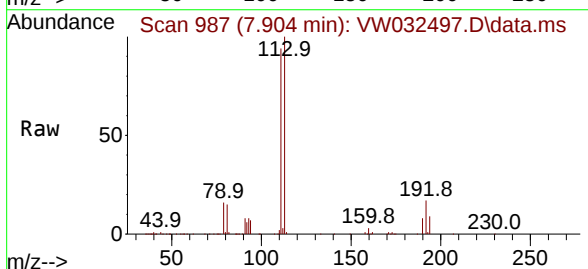
Tgt Ion:113 Resp: 141253

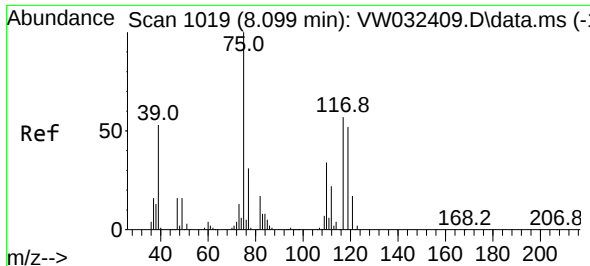
Ion Ratio Lower Upper

113 100

111 101.4 83.1 124.7

192 16.3 13.4 20.2

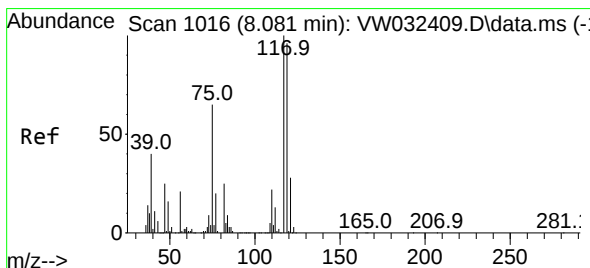
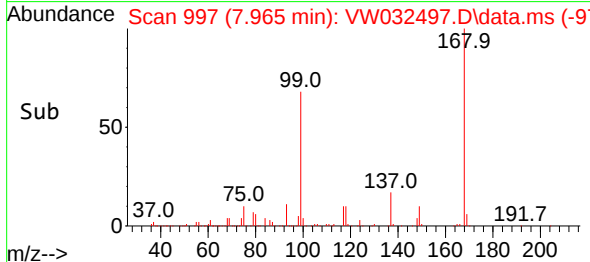
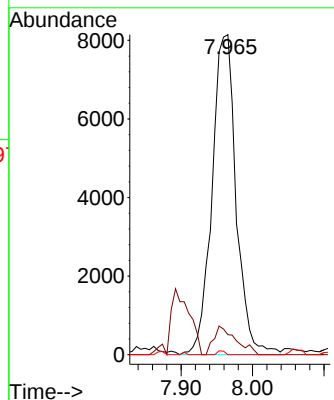
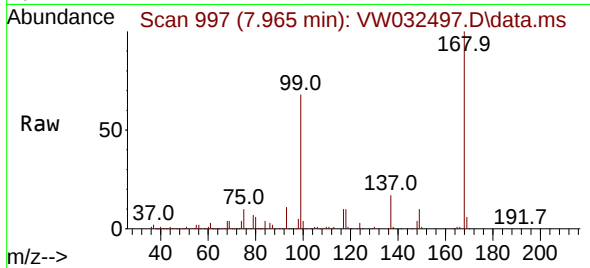




#36
 1,1-Dichloropropene
 Concen: 4.458 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032497.D
 Acq: 19 Nov 2025 13:14

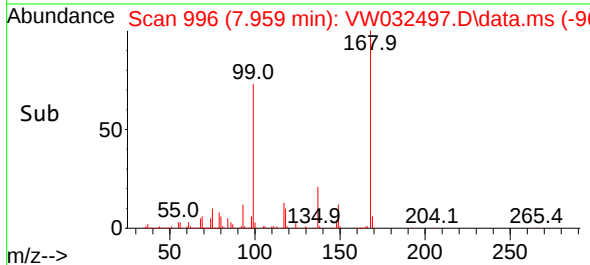
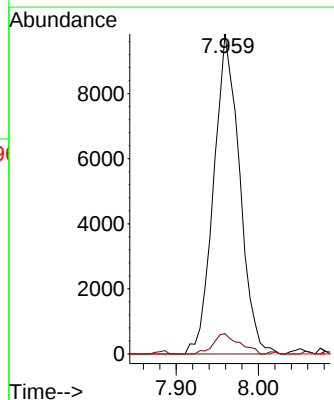
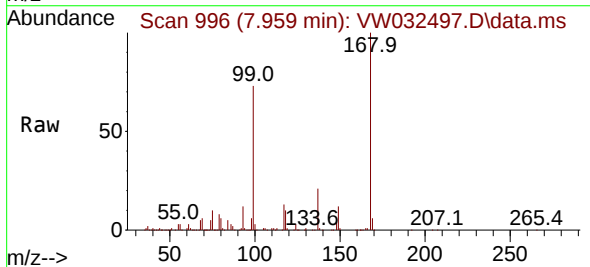
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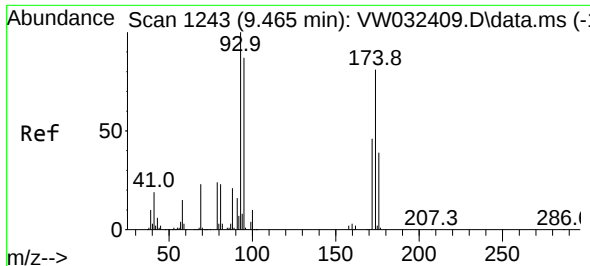
Tgt Ion: 75 Resp: 19106
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.2 51.5#
 77 0.4 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.651 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032497.D
 Acq: 19 Nov 2025 13:14

Tgt Ion: 117 Resp: 21520
 Ion Ratio Lower Upper
 117 100
 119 6.3 77.0 115.4#
 121 0.0 22.0 33.0#





#49

1,4-Dioxane

Concen: 1.137 ug/l

RT: 9.532 min Scan# 11

Delta R.T. 0.067 min

Lab File: VW032497.D

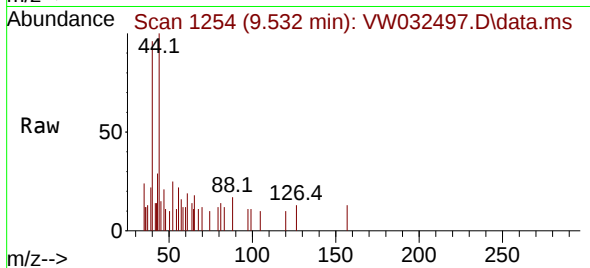
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Instrument :

MSVOA_W

ClientSampleId :

DUPE-0.5-1.0-20251114



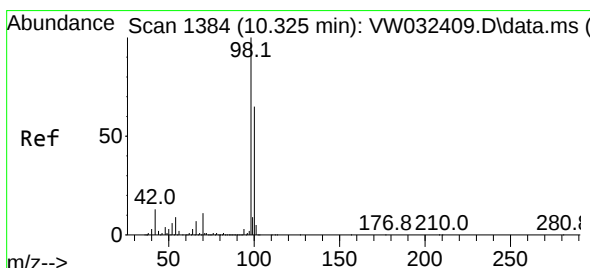
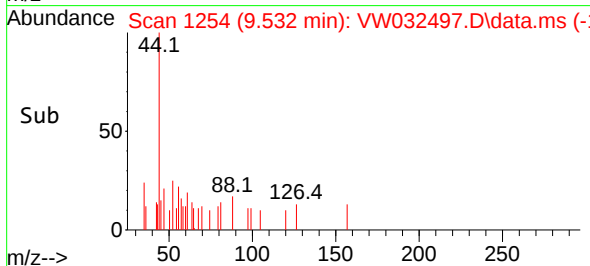
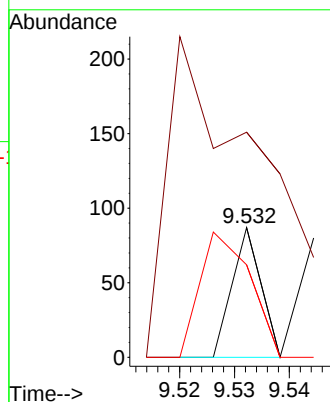
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 987.5 0.0 0.0#

58 165.6 63.0 94.4#



#50

Toluene-d8

Concen: 44.300 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032497.D

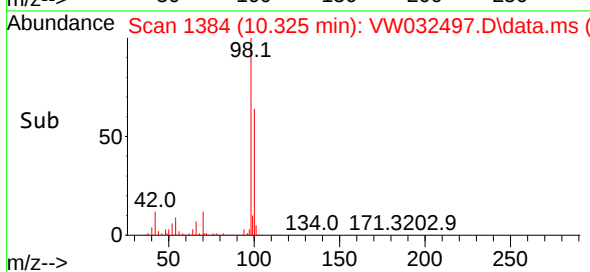
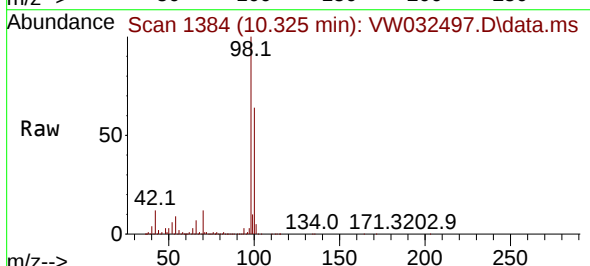
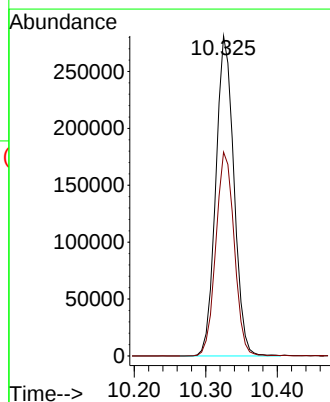
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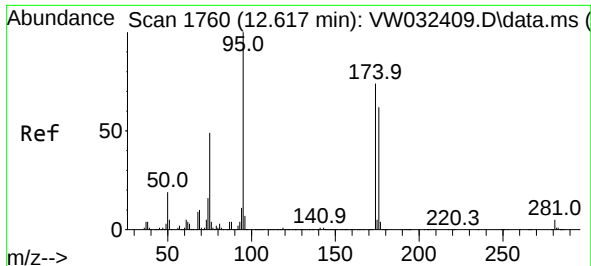
Tgt Ion: 98 Resp: 494342

Ion Ratio Lower Upper

98 100

100 64.7 53.3 79.9

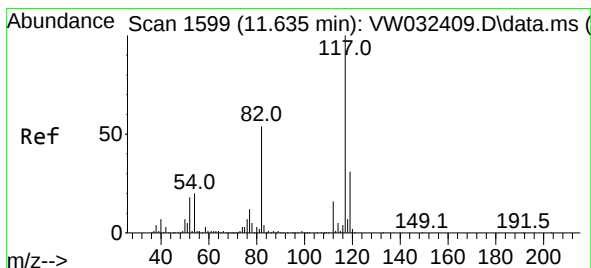
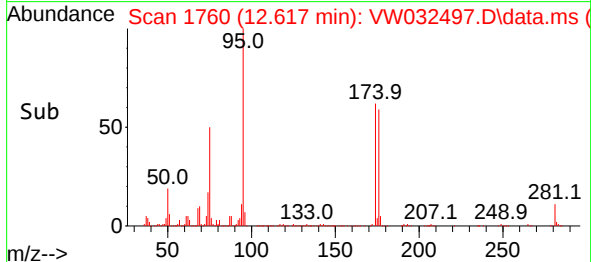
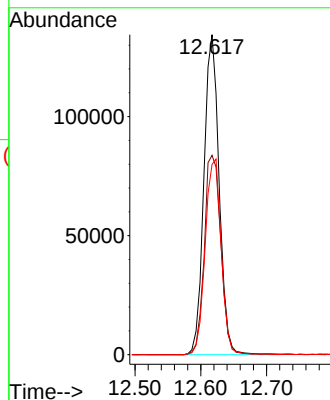
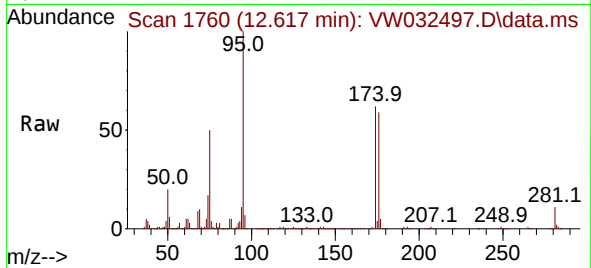




#62
4-Bromofluorobenzene
Concen: 51.364 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

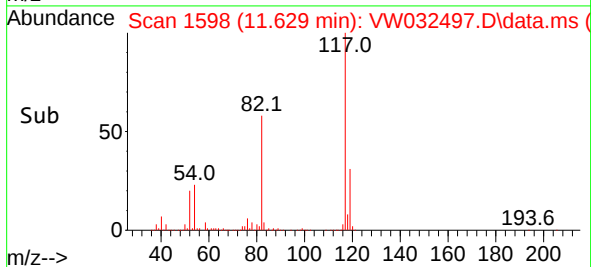
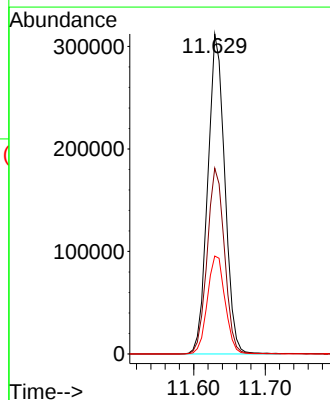
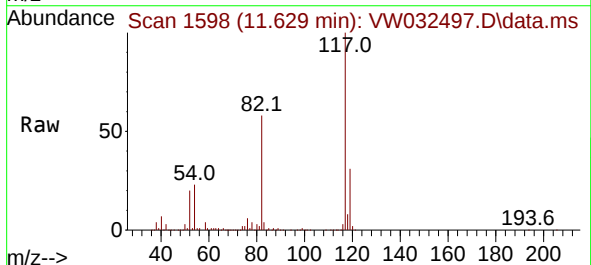
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

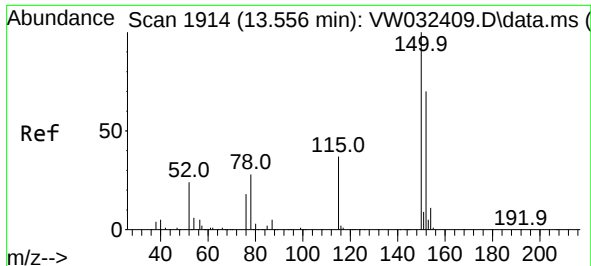
Tgt Ion: 95 Resp: 216521
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.4
176 64.3 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion: 117 Resp: 516048
Ion Ratio Lower Upper
117 100
82 58.1 43.0 64.4
119 30.6 25.0 37.6

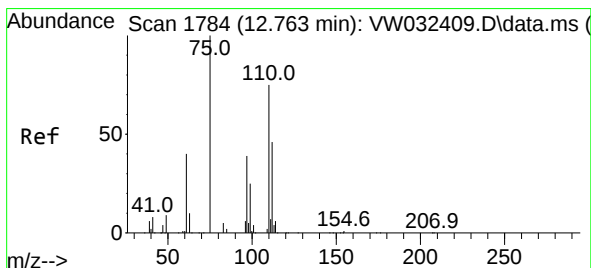
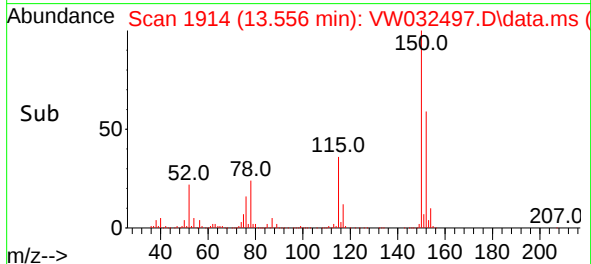
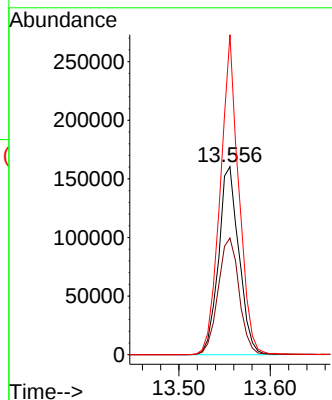
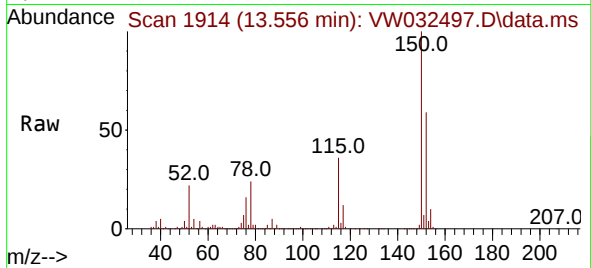




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032497.D
 Acq: 19 Nov 2025 13:14

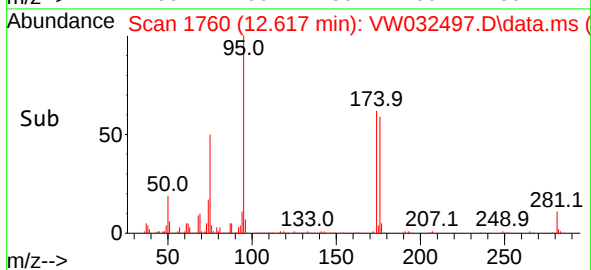
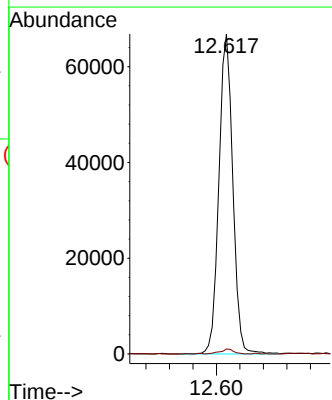
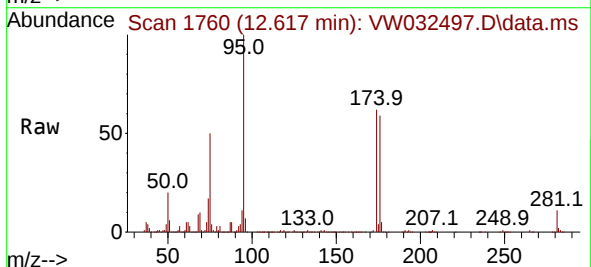
Instrument :
 MSVOA_W
 ClientSampleId :
 DUPE-0.5-1.0-20251114

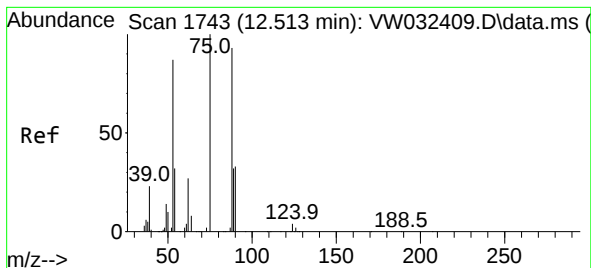
Tgt Ion:152 Resp: 249401
 Ion Ratio Lower Upper
 152 100
 115 64.2 32.8 98.3
 150 154.7 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 32.042 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032497.D
 Acq: 19 Nov 2025 13:14

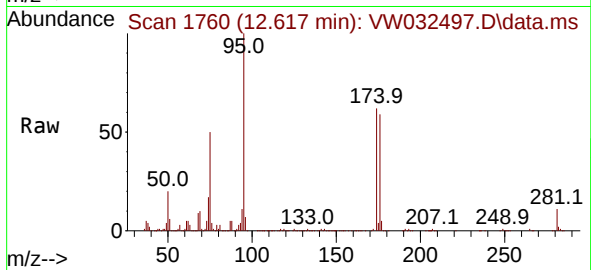
Tgt Ion: 75 Resp: 109575
 Ion Ratio Lower Upper
 75 100
 77 1.5 151.6 454.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.391 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114



Tgt Ion: 75 Resp: 109575
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.8 35.6 53.4#

