

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032587.D
 Acq On : 08 Dec 2025 11:56
 Operator : SY/MD
 Sample : Q3784-04RE
 Misc : 3.23g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB4A

Quant Time: Dec 09 02:16:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

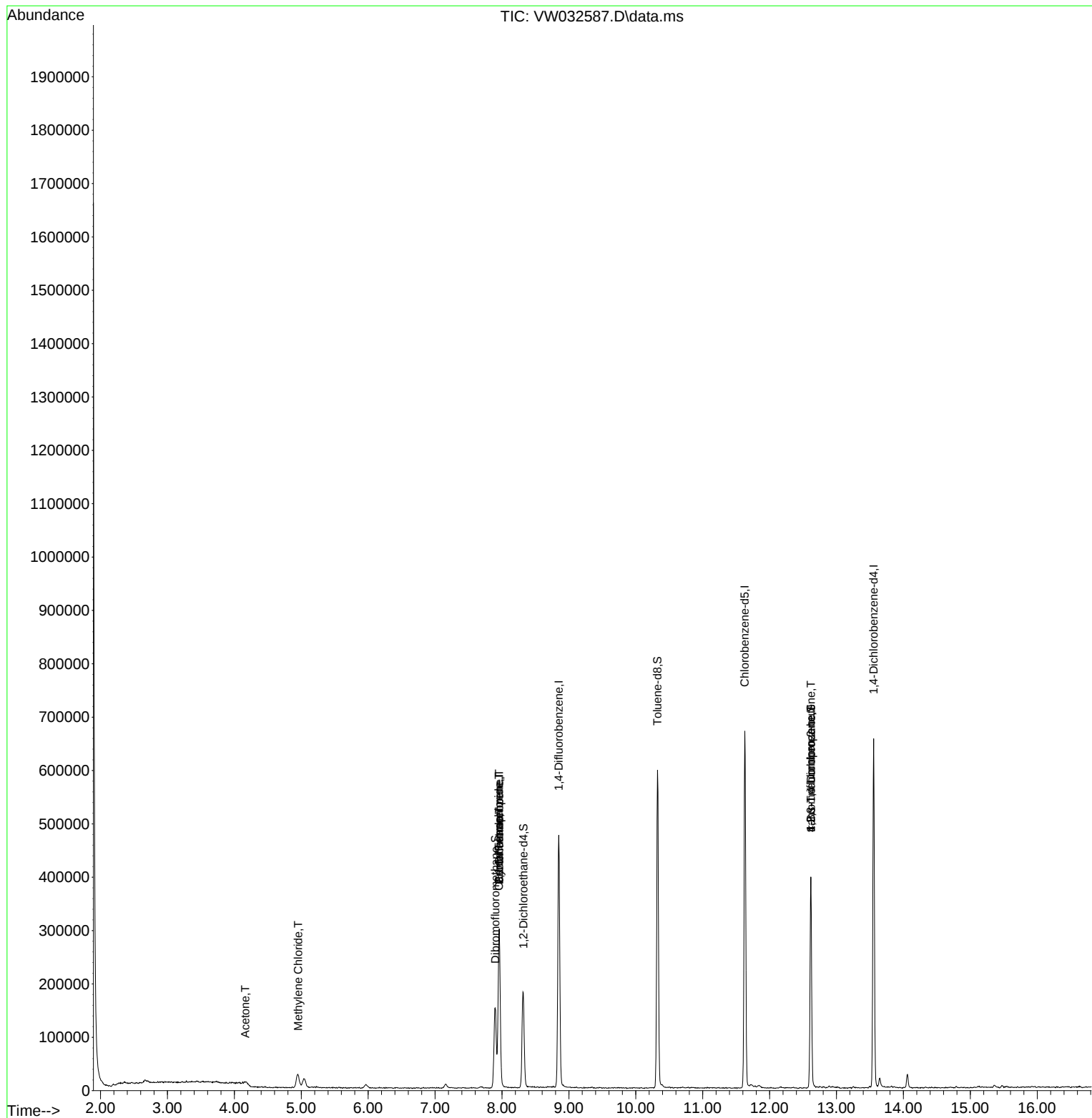
Internal Standards						
1) Pentafluorobenzene	7.959	168	208019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	391791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	366572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	149700	48.357	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	96.720%		
35) Dibromofluoromethane	7.898	113	116907	45.343	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	90.680%		
50) Toluene-d8	10.325	98	389955	40.195	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	80.380%		
62) 4-Bromofluorobenzene	12.617	95	141256	39.409	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	78.820%		
Target Compounds					Qvalue	
16) Acetone	4.161	43	3823	3.952	ug/l #	85
20) Methylene Chloride	4.954	84	19856	5.740	ug/l	95
31) Cyclohexane	7.959	56	5927	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	19562	4.974	ug/l #	42
38) Carbon Tetrachloride	7.953	117	23188	6.347	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	70809	32.593	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	70809	76.659	ug/l #	10

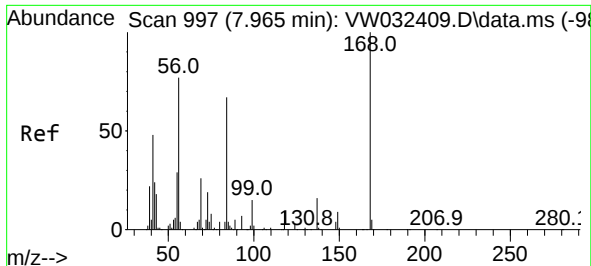
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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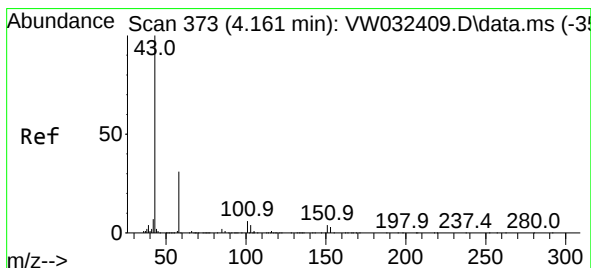
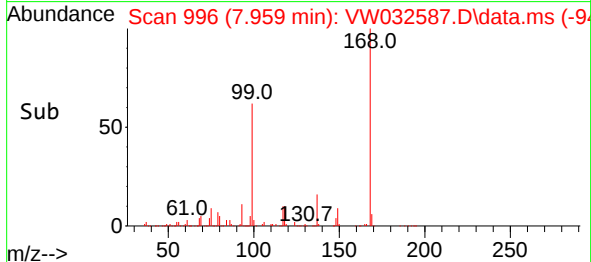
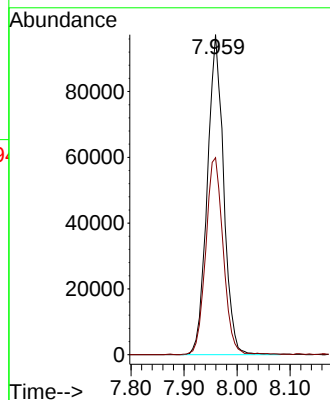
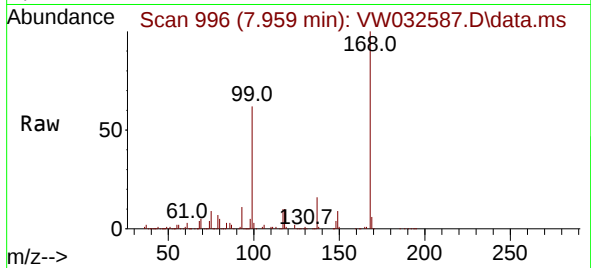




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

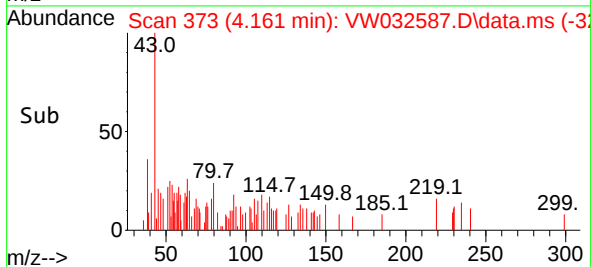
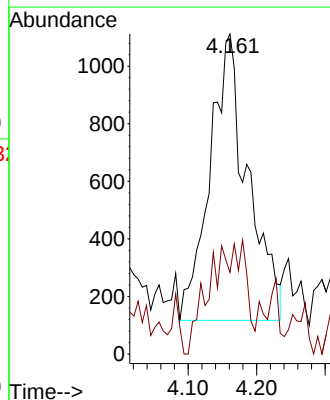
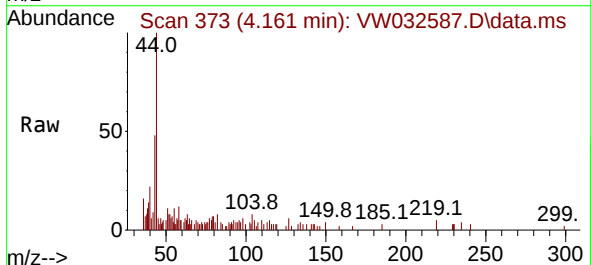
Instrument :
MSVOA_W
ClientSampleId :
SB4A

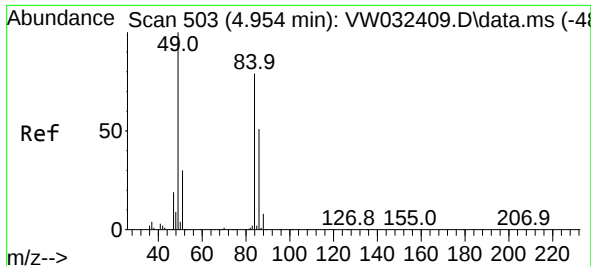
Tgt Ion:168 Resp: 208019
Ion Ratio Lower Upper
168 100
99 61.6 51.8 77.8



#16
Acetone
Concen: 3.952 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Tgt Ion: 43 Resp: 3823
Ion Ratio Lower Upper
43 100
58 21.3 23.5 35.3#

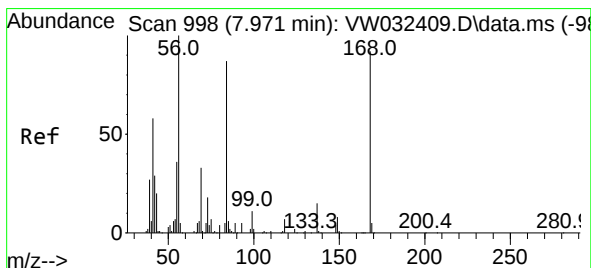
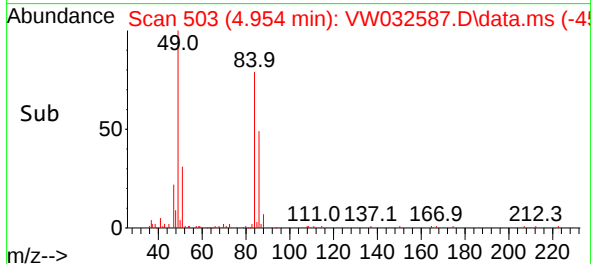
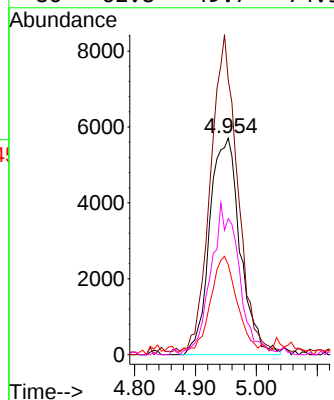
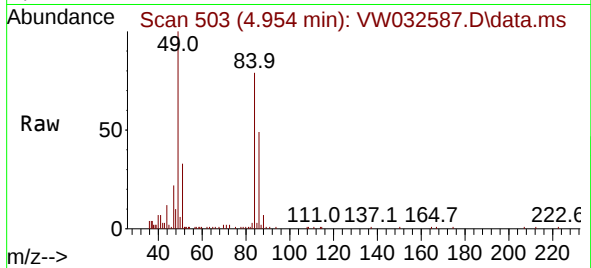




#20
Methylene Chloride
Concen: 5.740 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

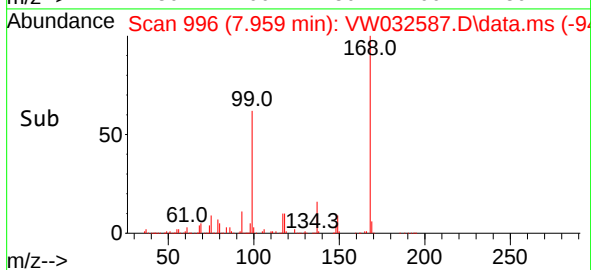
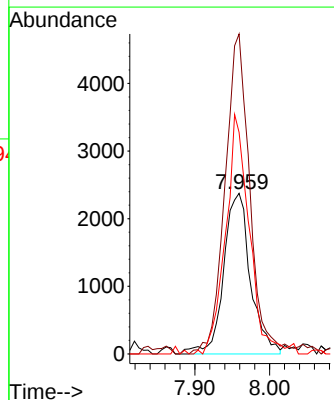
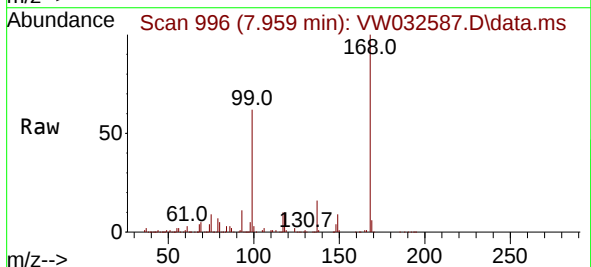
Instrument :
MSVOA_W
ClientSampleId :
SB4A

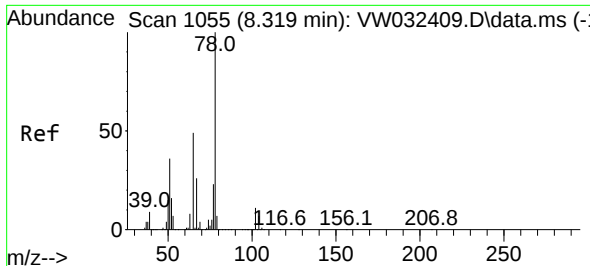
Tgt Ion:	84	Resp:	19856
Ion	Ratio	Lower	Upper
84	100		
49	124.8	107.6	161.4
51	40.3	33.9	50.9
86	62.8	49.7	74.5



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Tgt Ion:	56	Resp:	5927
Ion	Ratio	Lower	Upper
56	100		
69	199.2	27.3	40.9#
84	138.0	67.5	101.3#

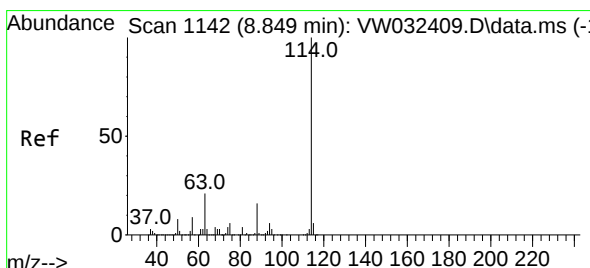
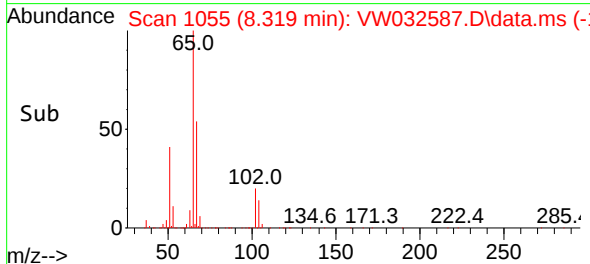
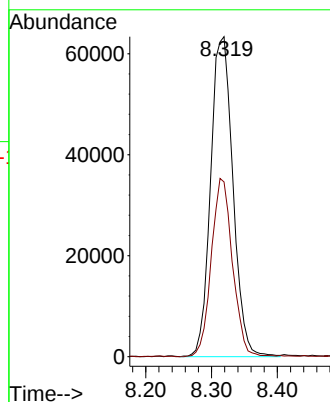
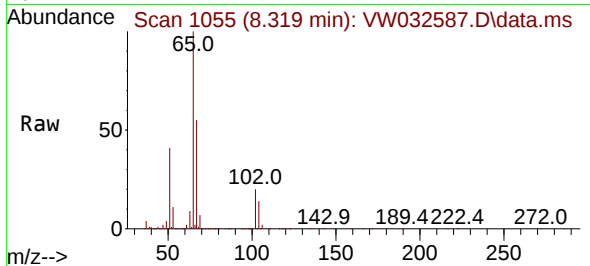




#33
 1,2-Dichloroethane-d4
 Concen: 48.357 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032587.D
 Acq: 08 Dec 2025 11:56

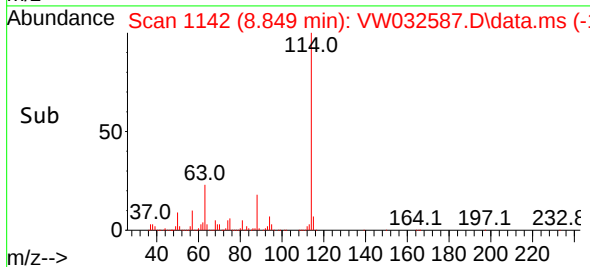
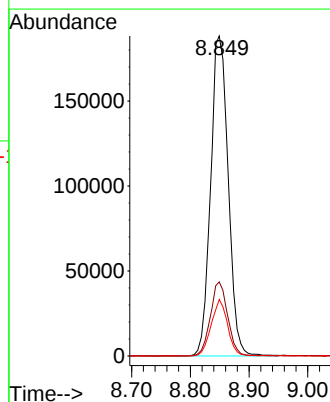
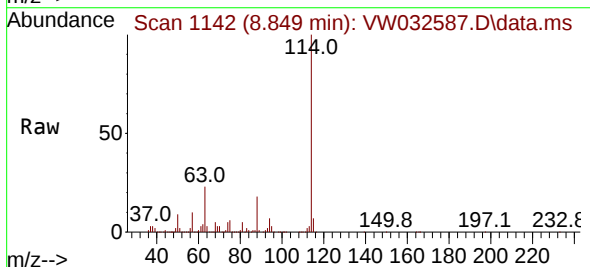
Instrument :
 MSVOA_W
 ClientSampleId :
 SB4A

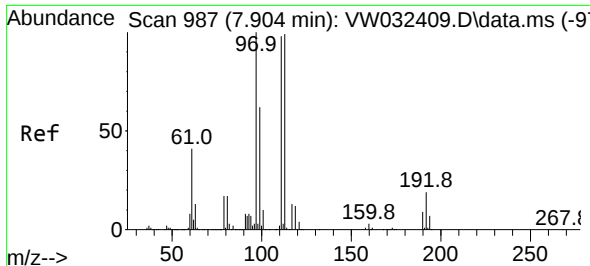
Tgt Ion: 65 Resp: 149700
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032587.D
 Acq: 08 Dec 2025 11:56

Tgt Ion: 114 Resp: 391791
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 40.6
 88 17.6 0.0 31.2

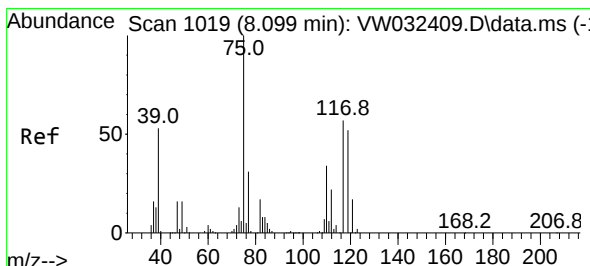
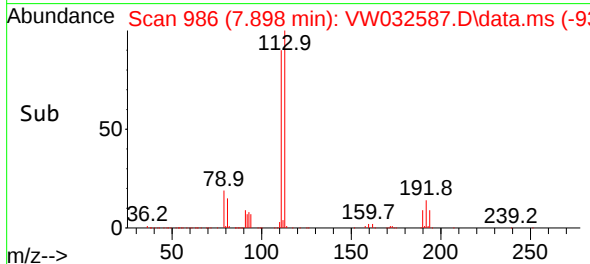
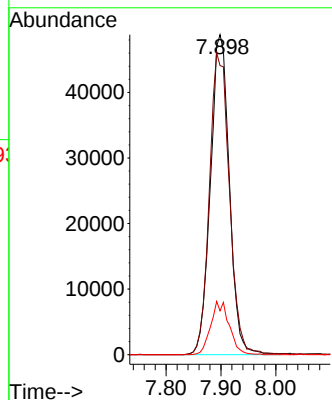
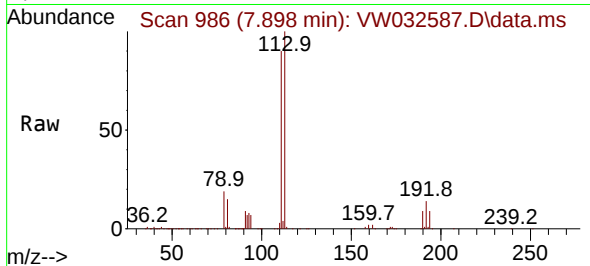




#35
 Dibromofluoromethane
 Concen: 45.343 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032587.D
 Acq: 08 Dec 2025 11:56

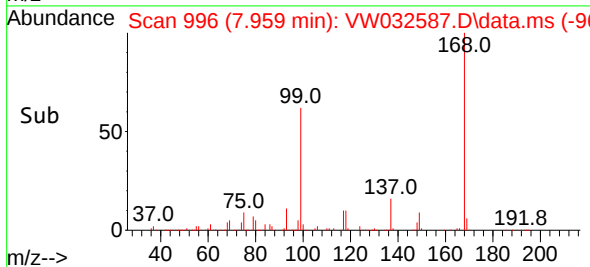
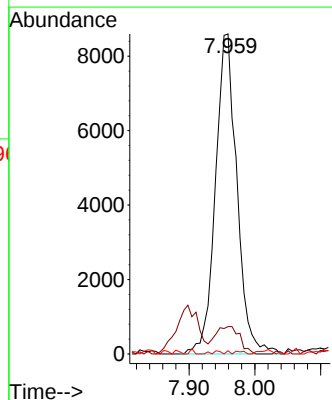
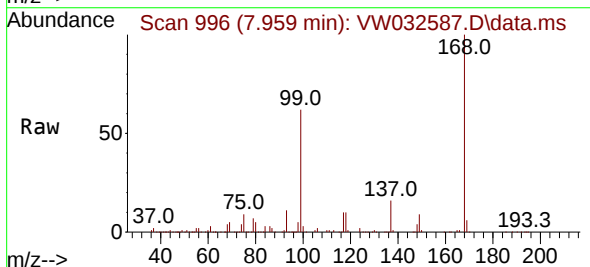
Instrument :
 MSVOA_W
 ClientSampleId :
 SB4A

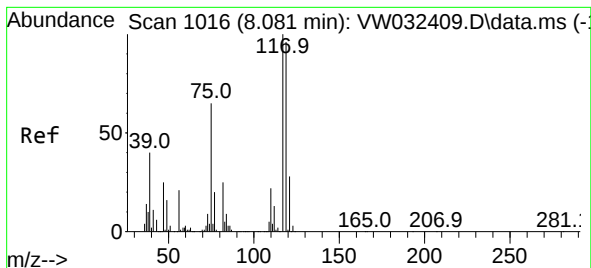
Tgt Ion:113 Resp: 116907
 Ion Ratio Lower Upper
 113 100
 111 99.5 83.4 125.0
 192 16.3 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032587.D
 Acq: 08 Dec 2025 11:56

Tgt Ion: 75 Resp: 19562
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.9 50.6#
 77 0.2 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.347 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.128 min

Lab File: VW032587.D

Acq: 08 Dec 2025 11:56

Instrument :

MSVOA_W

ClientSampleId :

SB4A

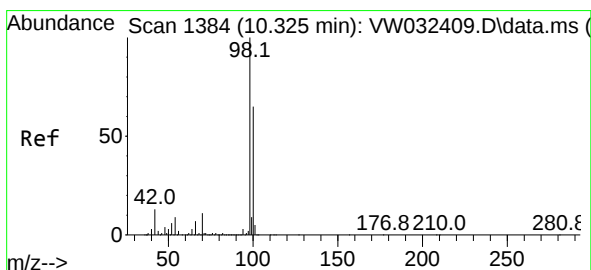
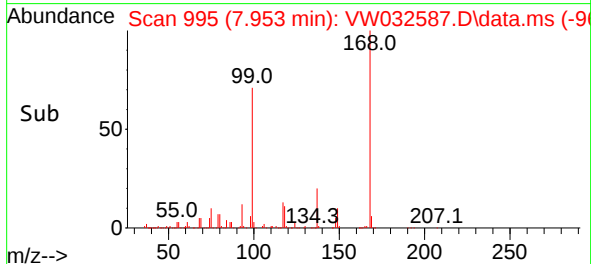
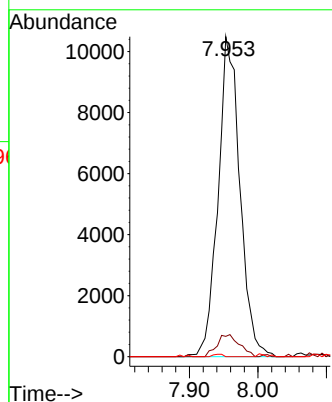
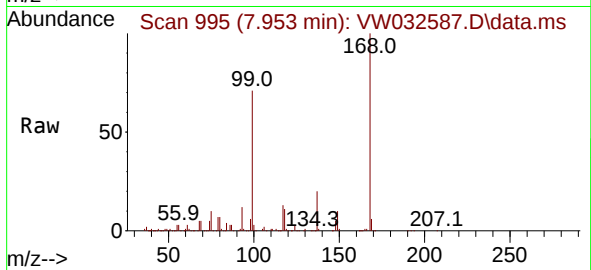
Tgt Ion:117 Resp: 23188

Ion Ratio Lower Upper

117 100

119 6.4 76.9 115.3#

121 0.0 25.4 38.2#



#50

Toluene-d8

Concen: 40.195 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032587.D

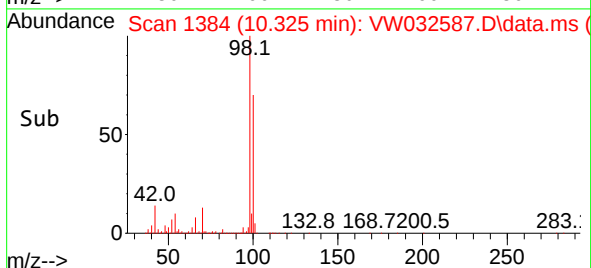
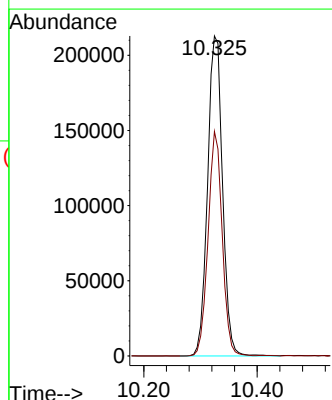
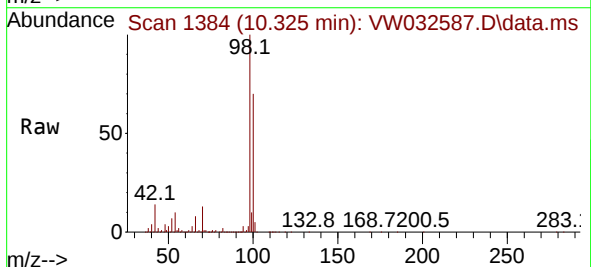
Acq: 08 Dec 2025 11:56

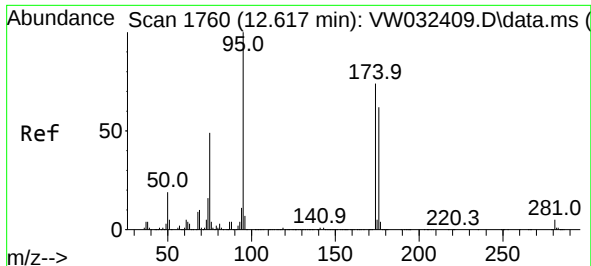
Tgt Ion: 98 Resp: 389955

Ion Ratio Lower Upper

98 100

100 66.2 54.7 82.1

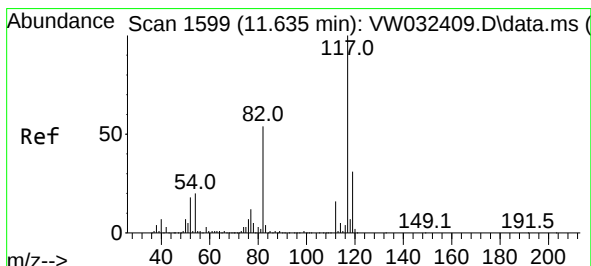
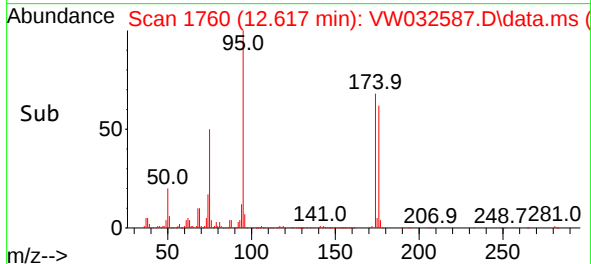
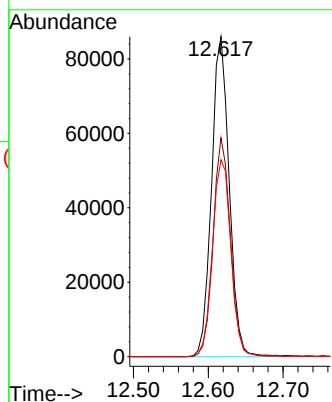
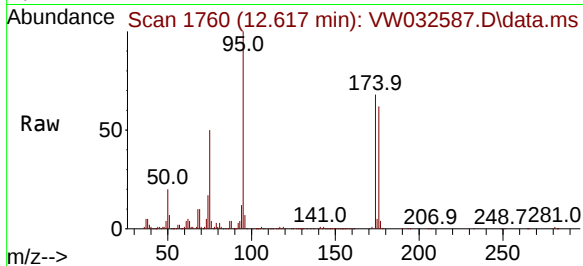




#62
4-Bromofluorobenzene
Concen: 39.409 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

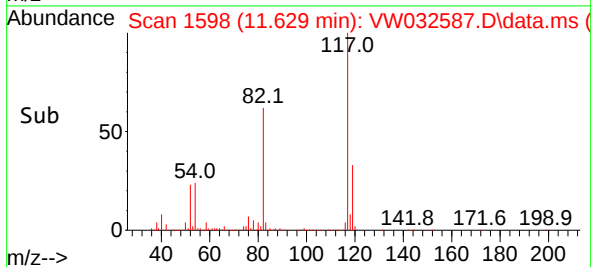
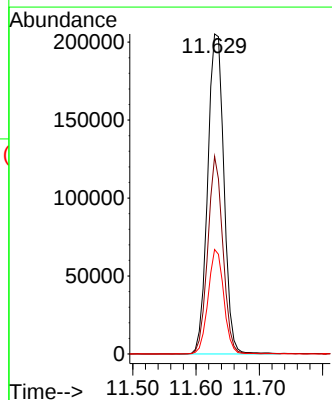
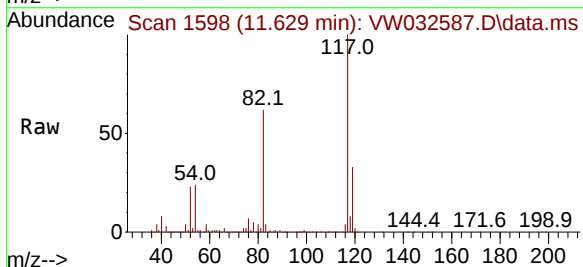
Instrument :
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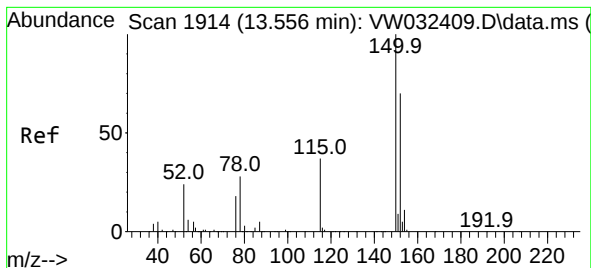
Tgt Ion: 95 Resp: 141256
Ion Ratio Lower Upper
95 100
174 66.7 0.0 141.2
176 64.2 0.0 130.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

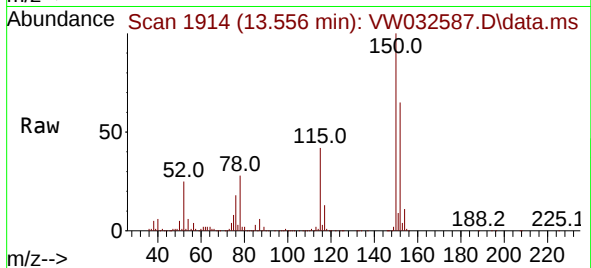
Tgt Ion: 117 Resp: 366572
Ion Ratio Lower Upper
117 100
82 61.8 45.9 68.9
119 32.6 26.3 39.5



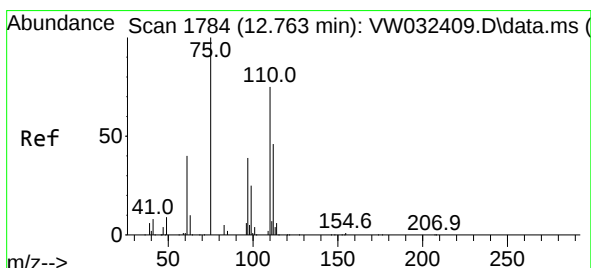
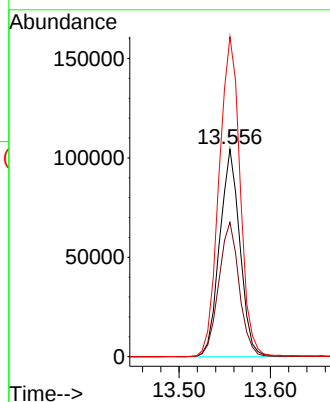
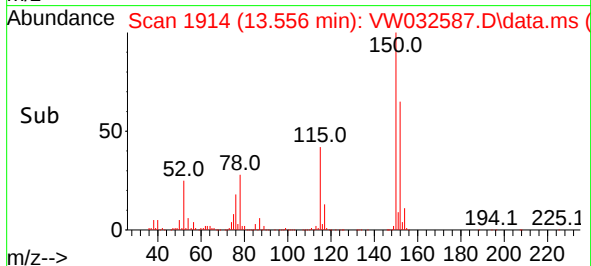


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032587.D
 Acq: 08 Dec 2025 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 SB4A

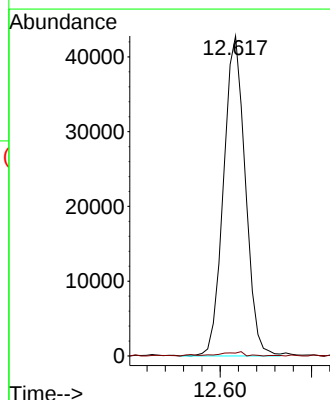
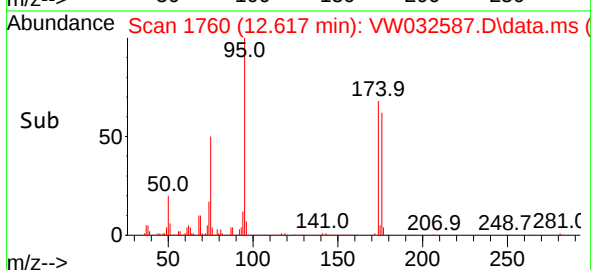
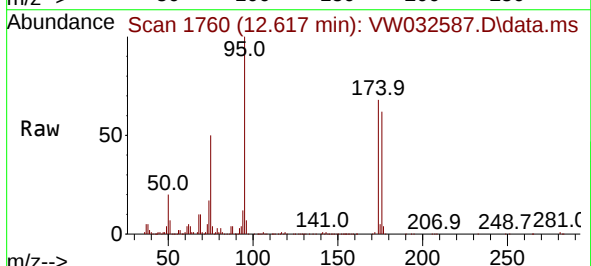


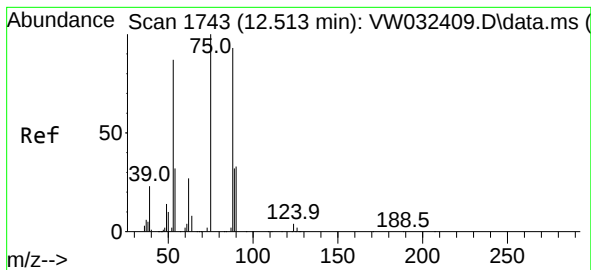
Tgt Ion:152 Resp: 160550
 Ion Ratio Lower Upper
 152 100
 115 65.8 31.1 93.3
 150 161.2 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 32.593 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032587.D
 Acq: 08 Dec 2025 11:56

Tgt Ion: 75 Resp: 70809
 Ion Ratio Lower Upper
 75 100
 77 1.3 148.2 444.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.659 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032587.D
 Acq: 08 Dec 2025 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 SB4A

Tgt Ion: 75 Resp: 70809
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.8 121.2#
 89 0.1 31.4 47.2#

