

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032069.D
 Acq On : 11 Aug 2025 16:12
 Operator : SY/MD
 Sample : Q2818-01
 Misc : 5.38g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-2-5-1

Quant Time: Aug 12 04:27:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

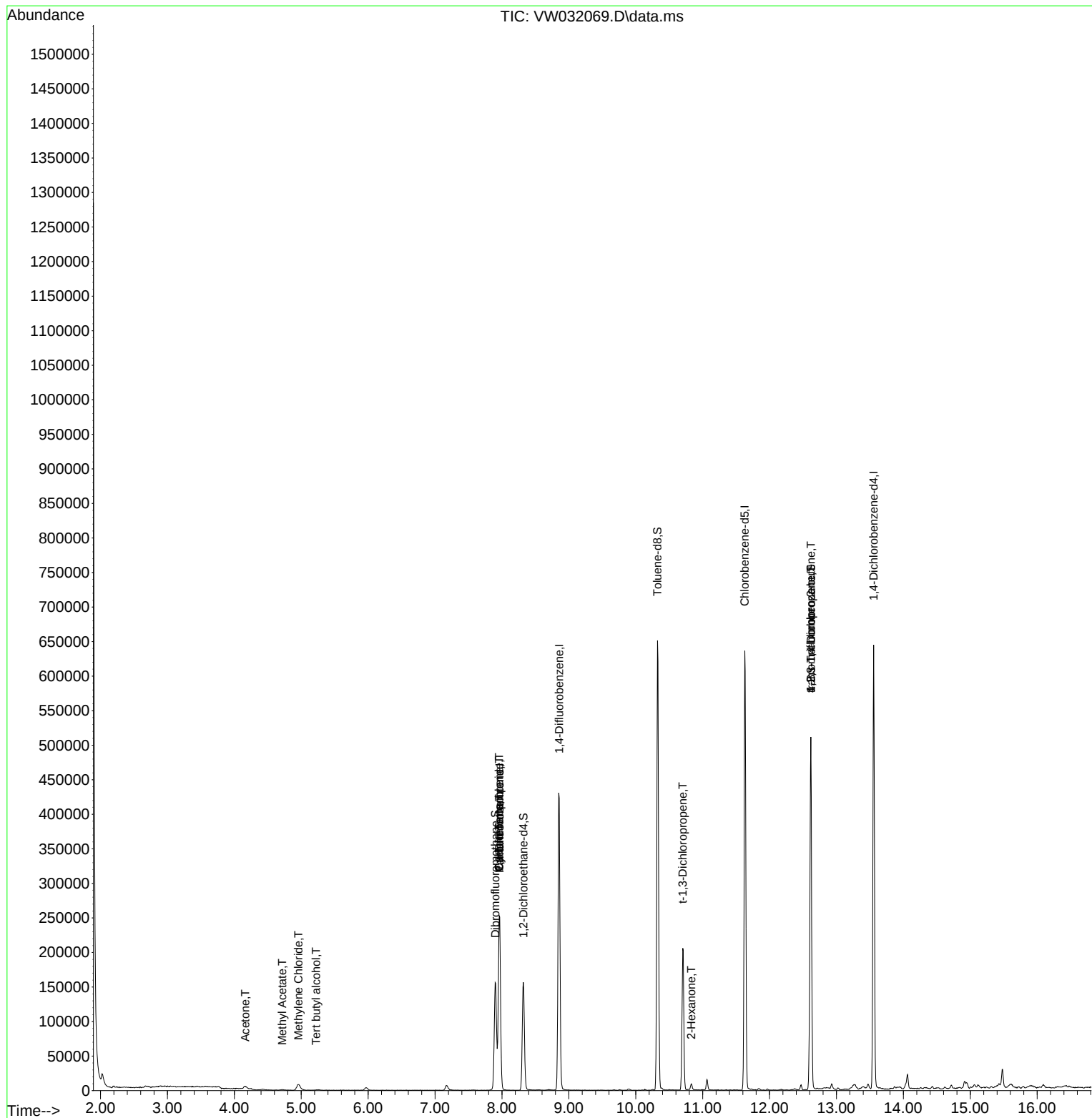
Internal Standards						
1) Pentafluorobenzene	7.965	168	174717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	370548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	348814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130197	51.524	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 103.040%		
35) Dibromofluoromethane	7.898	113	118747	49.604	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 99.200%		
50) Toluene-d8	10.325	98	439783	49.669	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 99.340%		
62) 4-Bromofluorobenzene	12.617	95	166429	51.006	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 102.020%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	182	1.112	ug/l #	71
16) Acetone	4.161	43	7642	13.062	ug/l	90
18) Methyl Acetate	4.716	43	2176	1.175	ug/l #	84
20) Methylene Chloride	4.960	84	8038	2.972	ug/l	89
31) Cyclohexane	7.959	56	4416	1.226	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	16897	5.007	ug/l #	49
38) Carbon Tetrachloride	7.959	117	20601	6.326	ug/l #	19
53) t-1,3-Dichloropropene	10.703	75	3608	1.022	ug/l #	57
59) 2-Hexanone	10.831	43	5893	4.123	ug/l	76
76) 1,2,3-Trichloropropane	12.617	75	85121	38.619	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	85121	99.981	ug/l #	9

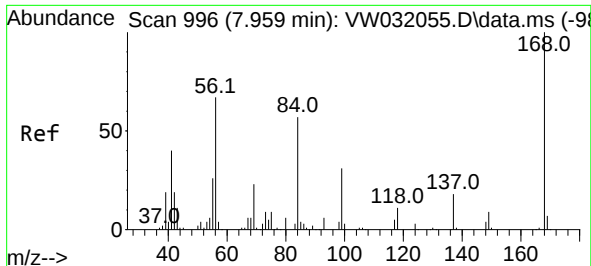
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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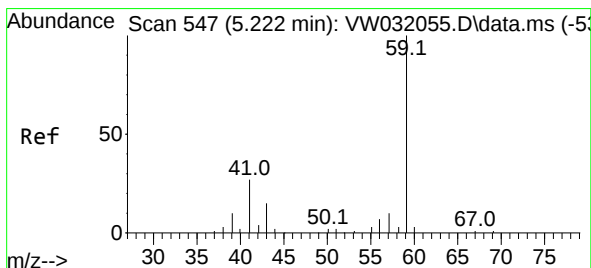
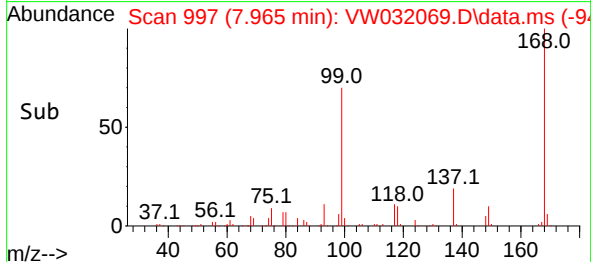
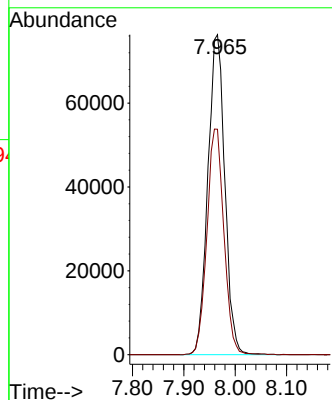
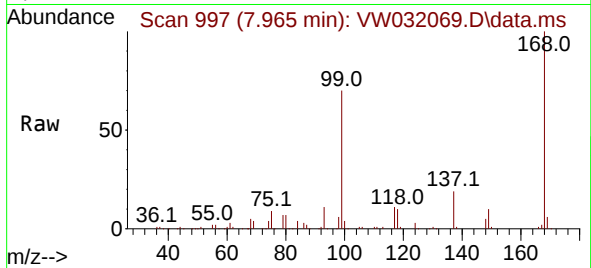




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

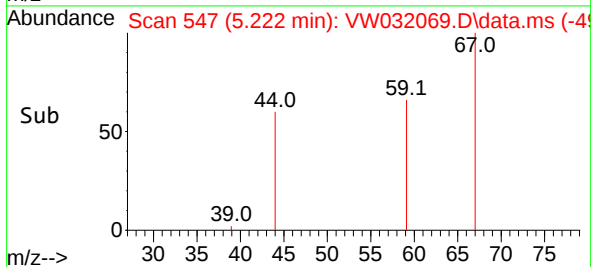
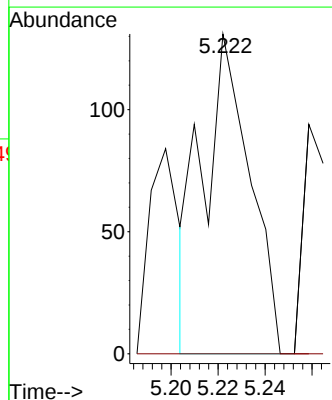
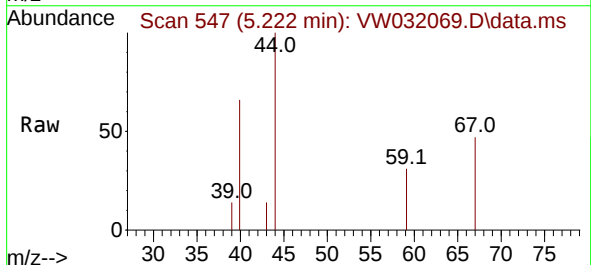
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MSVOA_W
ClientSampleId :
B-2-5-1

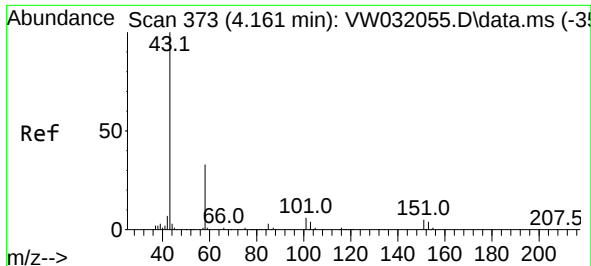
Tgt Ion:168 Resp: 174717
Ion Ratio Lower Upper
168 100
99 70.4 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.112 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 59 Resp: 182
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

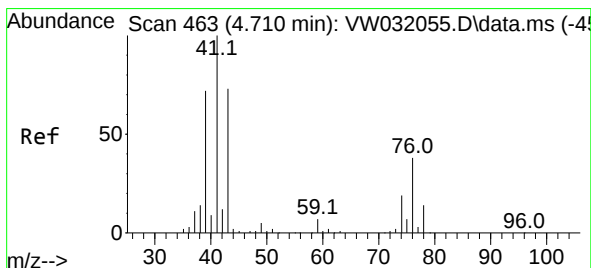
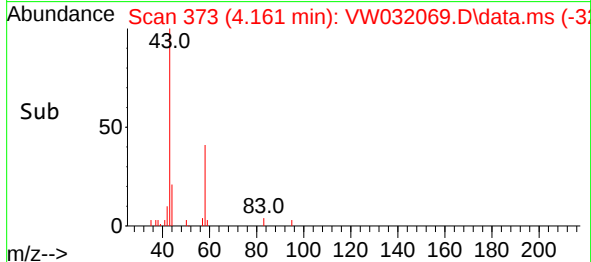
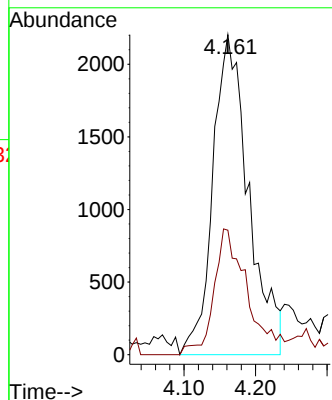
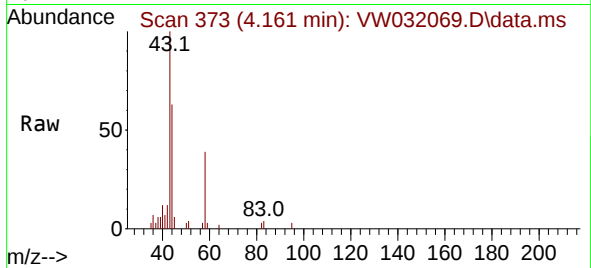




#16
Acetone
Concen: 13.062 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

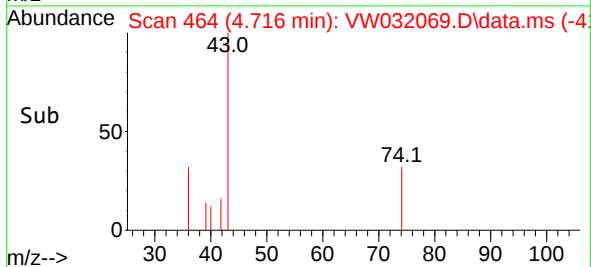
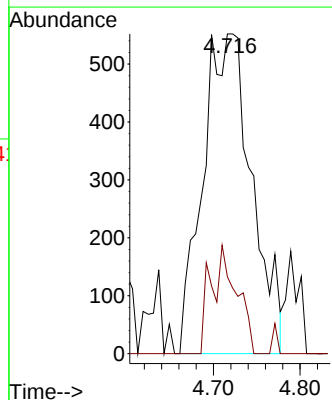
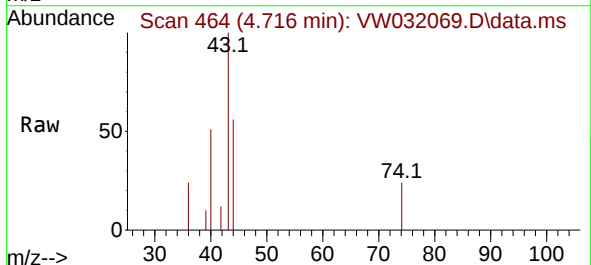
Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

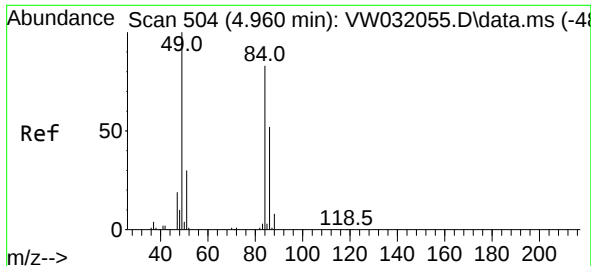
Tgt Ion: 43 Resp: 7642
Ion Ratio Lower Upper
43 100
58 38.9 26.6 39.8



#18
Methyl Acetate
Concen: 1.175 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 43 Resp: 2176
Ion Ratio Lower Upper
43 100
74 17.9 20.6 31.0#

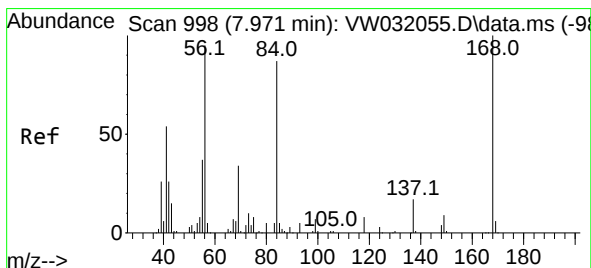
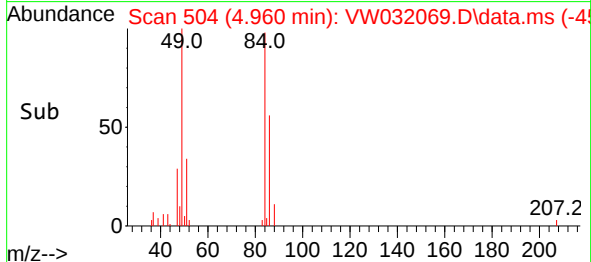
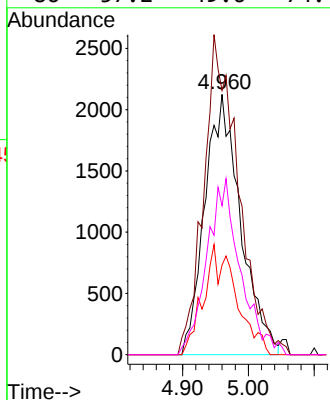
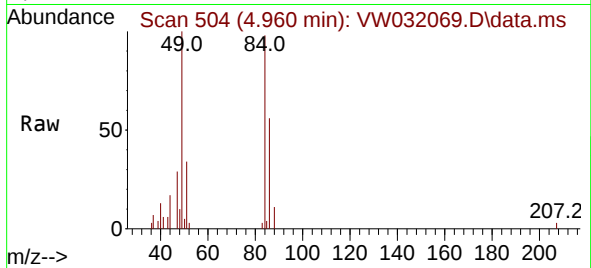




#20
Methylene Chloride
Concen: 2.972 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

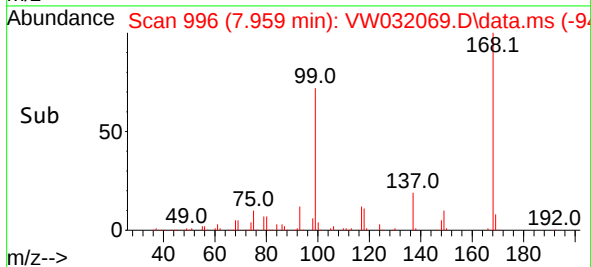
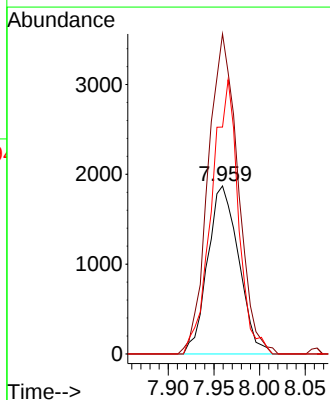
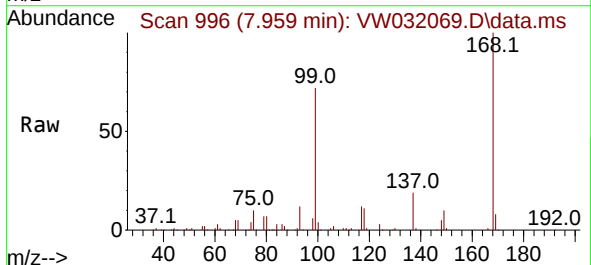
Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

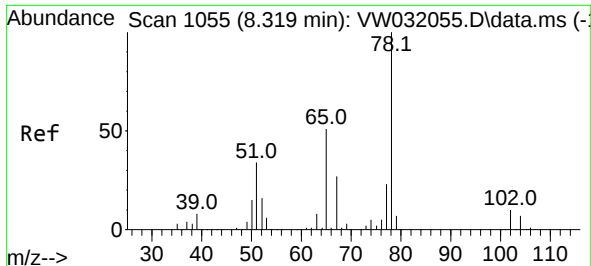
Tgt Ion:	84	Resp:	8038
Ion	Ratio	Lower	Upper
84	100		
49	101.6	95.9	143.9
51	34.4	28.6	43.0
86	57.2	49.6	74.4



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion:	56	Resp:	4416
Ion	Ratio	Lower	Upper
56	100		
69	190.4	28.6	42.8#
84	135.1	73.0	109.4#

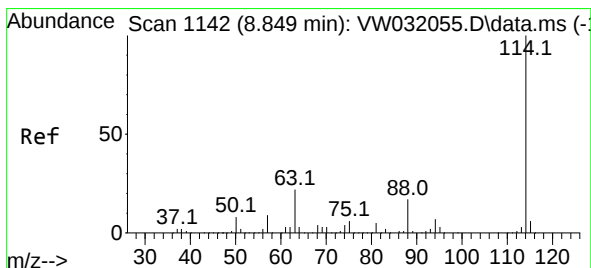
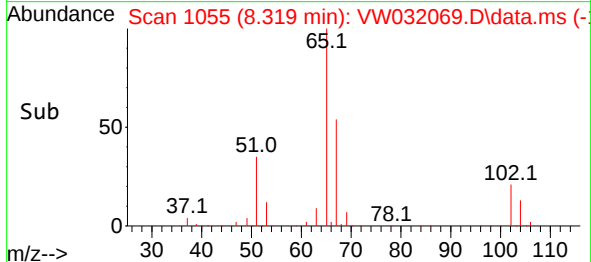
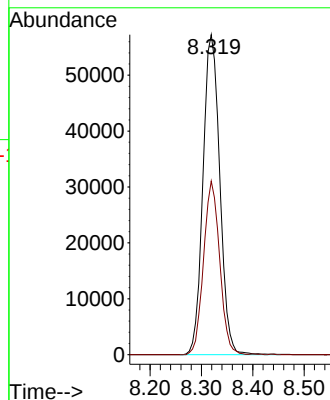
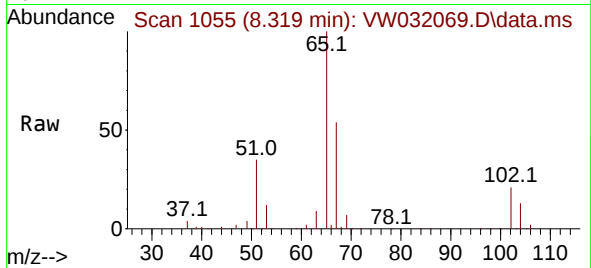




#33
 1,2-Dichloroethane-d4
 Concen: 51.524 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032069.D
 Acq: 11 Aug 2025 16:12

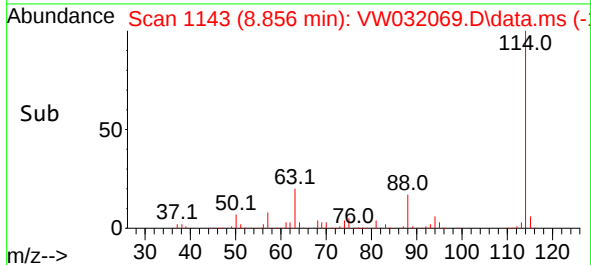
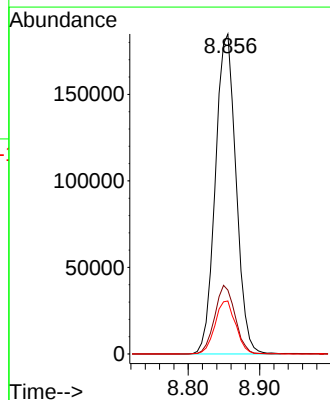
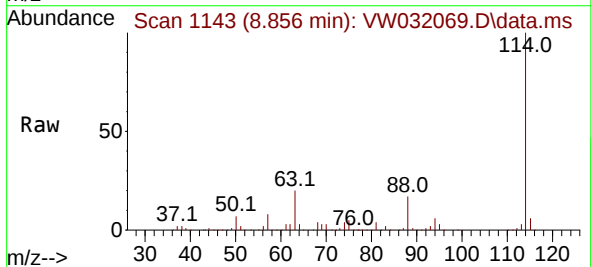
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 MSVOA_W
 ClientSampleId :
 B-2-5-1

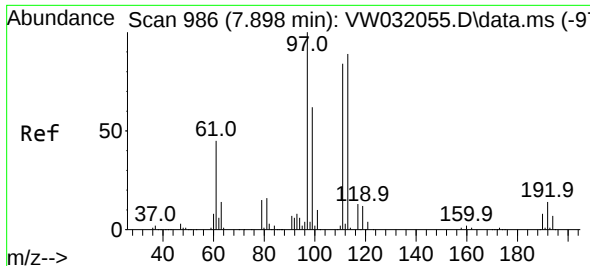
Tgt Ion: 65 Resp: 130197
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032069.D
 Acq: 11 Aug 2025 16:12

Tgt Ion: 114 Resp: 370548
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.0
 88 16.5 0.0 33.8

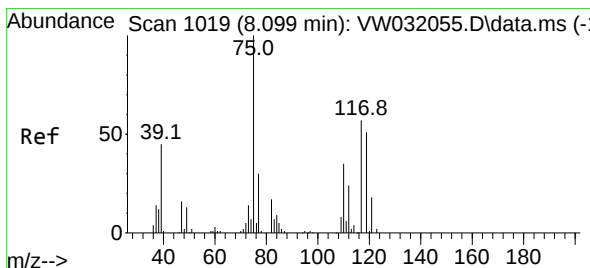
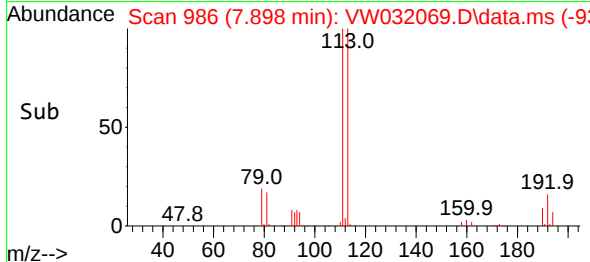
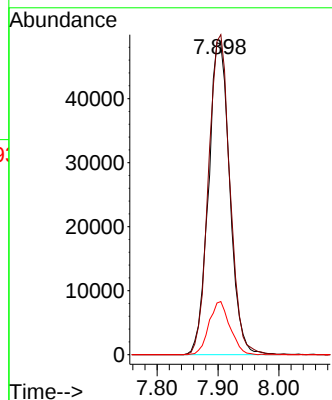
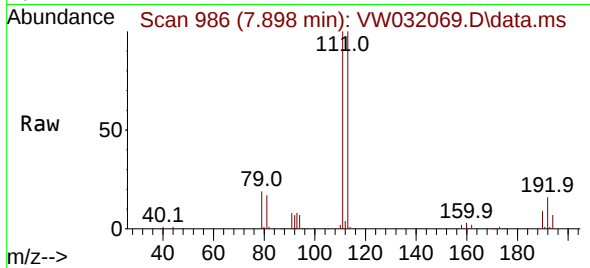




#35
Dibromofluoromethane
Concen: 49.604 ug/l
RT: 7.898 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

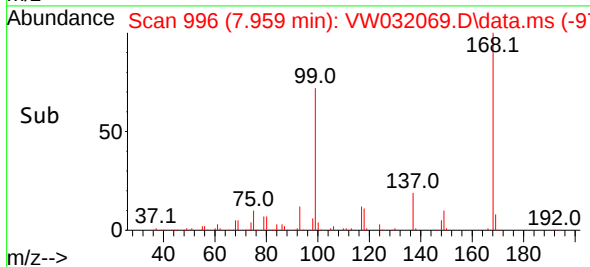
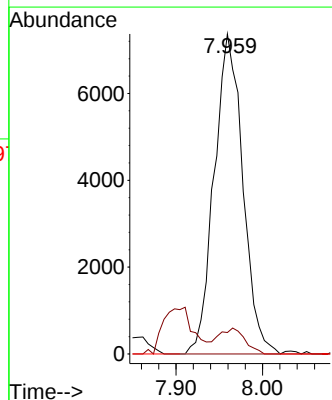
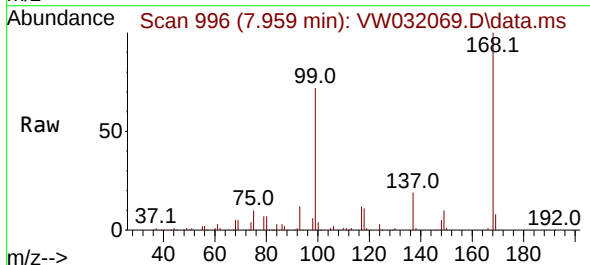
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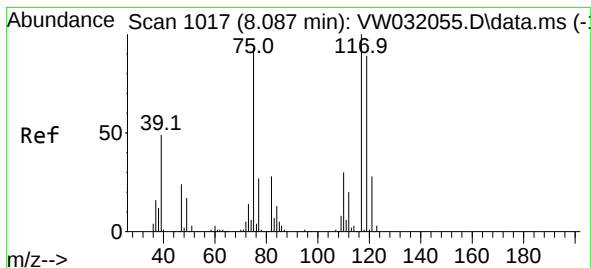
Tgt Ion:113 Resp: 118747
Ion Ratio Lower Upper
113 100
111 102.5 80.1 120.1
192 16.7 13.1 19.7



#36
1,1-Dichloropropene
Concen: 5.007 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 75 Resp: 16897
Ion Ratio Lower Upper
75 100
110 7.8 17.4 52.2#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.326 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032069.D

Acq: 11 Aug 2025 16:12

Instrument :

MSVOA_W

ClientSampleId :

B-2-5-1

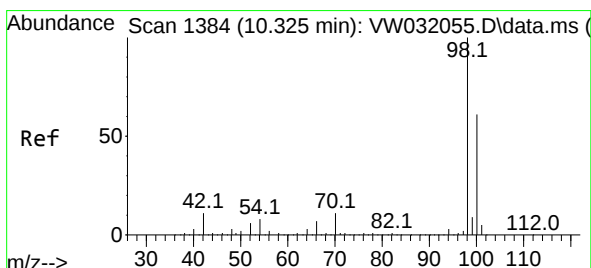
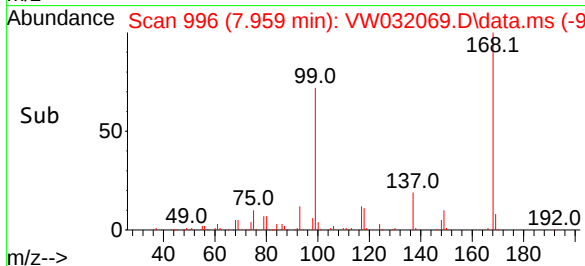
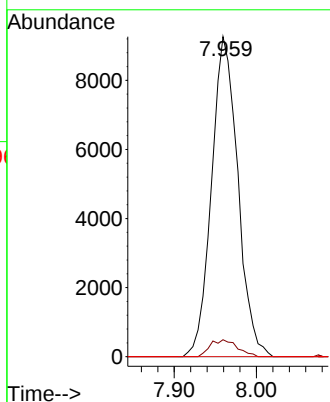
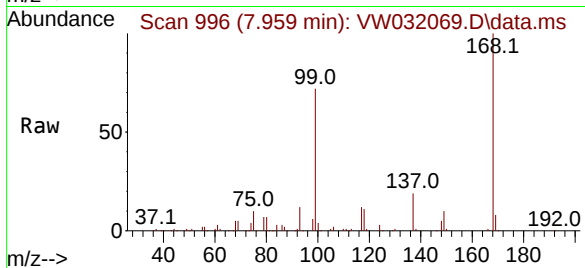
Tgt Ion:117 Resp: 20601

Ion Ratio Lower Upper

117 100

119 5.3 71.4 107.2#

121 0.0 22.3 33.5#



#50

Toluene-d8

Concen: 49.669 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032069.D

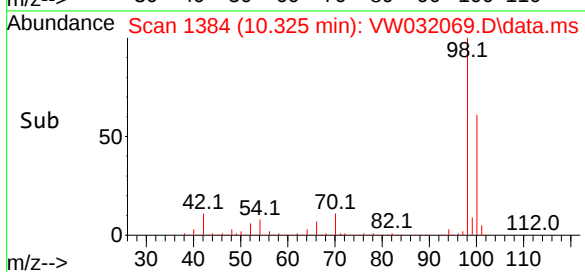
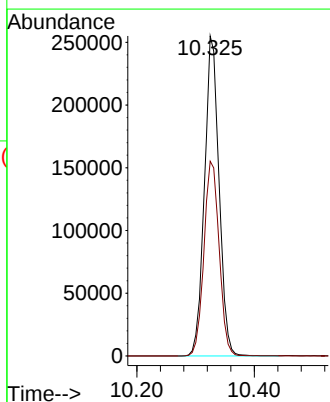
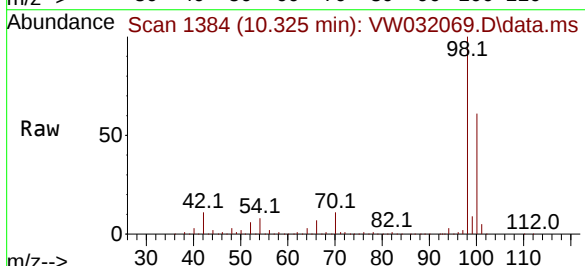
Acq: 11 Aug 2025 16:12

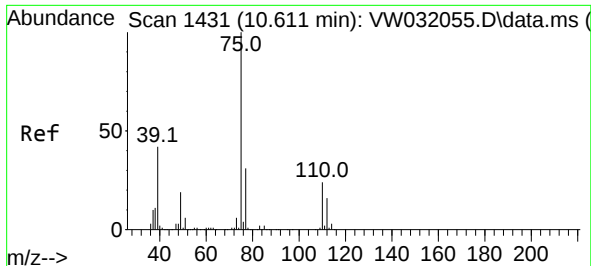
Tgt Ion: 98 Resp: 439783

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7

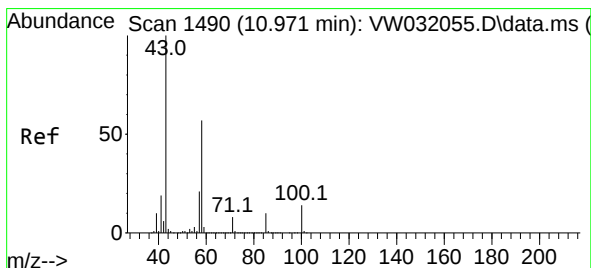
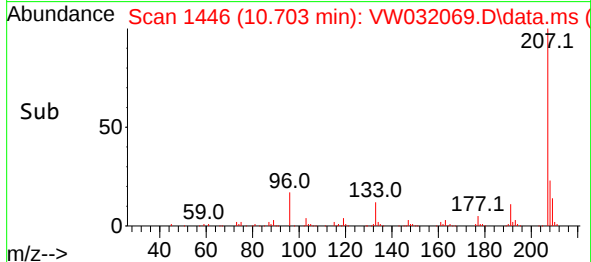
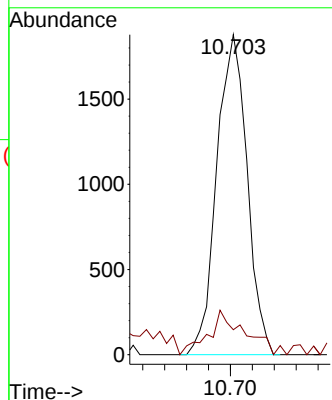
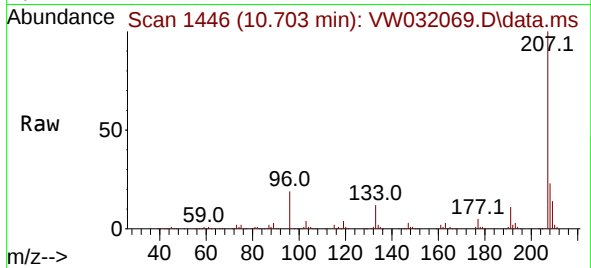




#53
t-1,3-Dichloropropene
Concen: 1.022 ug/l
RT: 10.703 min Scan# 1446
Delta R.T. 0.091 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

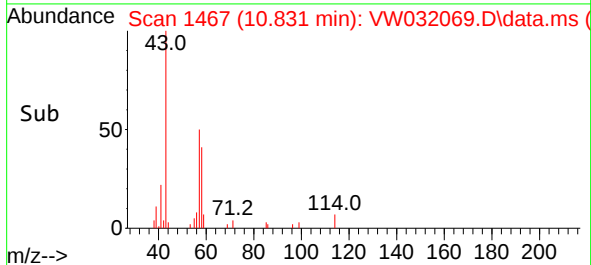
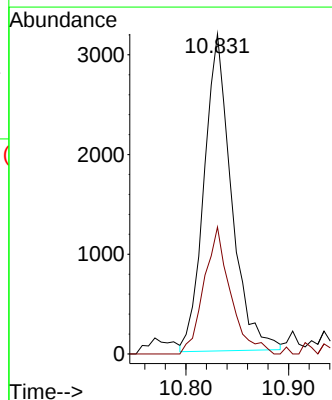
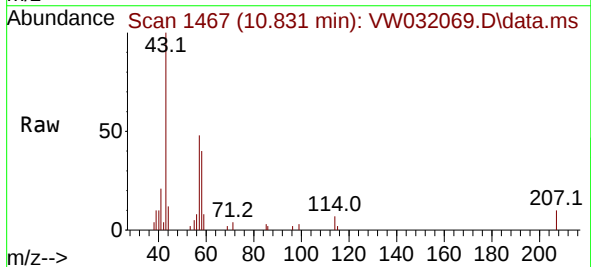
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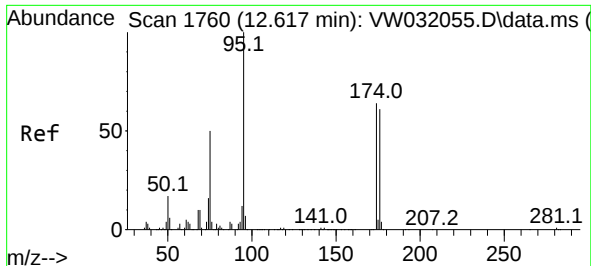
Tgt Ion: 75 Resp: 3608
Ion Ratio Lower Upper
75 100
77 7.8 25.0 37.6#



#59
2-Hexanone
Concen: 4.123 ug/l
RT: 10.831 min Scan# 1467
Delta R.T. -0.140 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 43 Resp: 5893
Ion Ratio Lower Upper
43 100
58 38.9 28.3 85.0

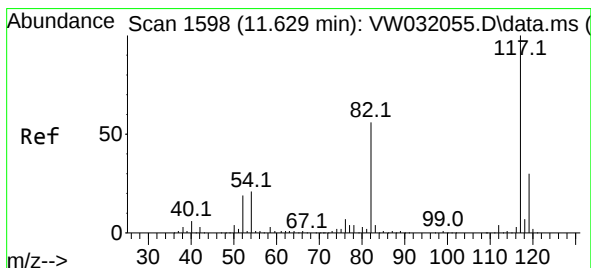
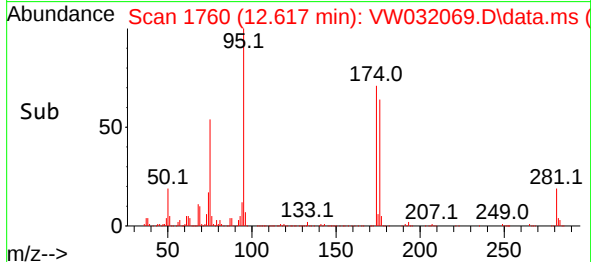
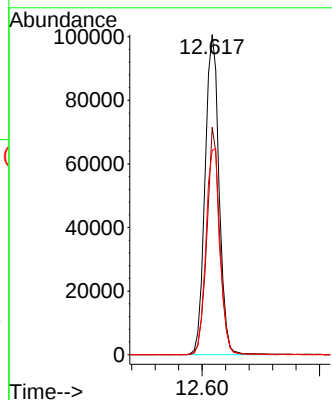
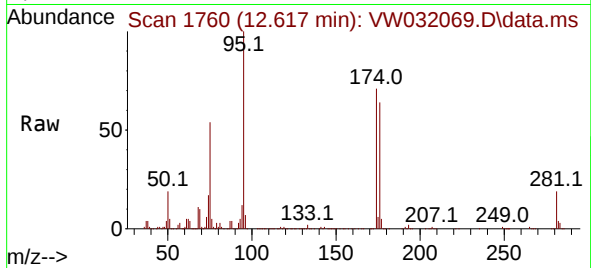




#62
4-Bromofluorobenzene
Concen: 51.006 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

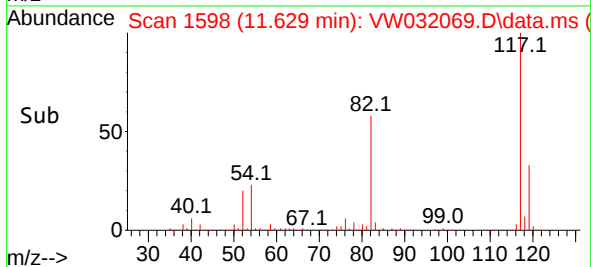
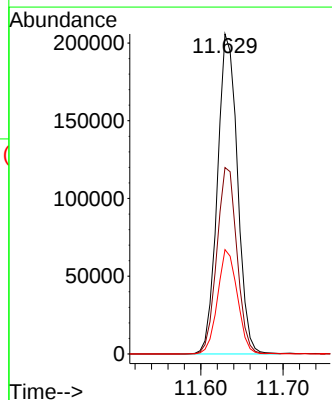
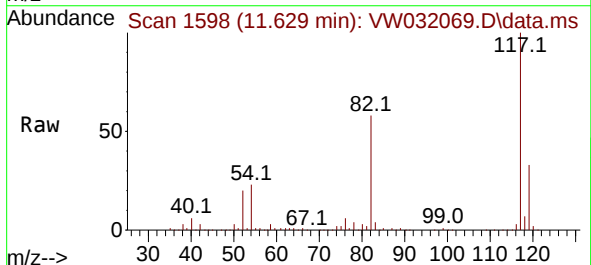
Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

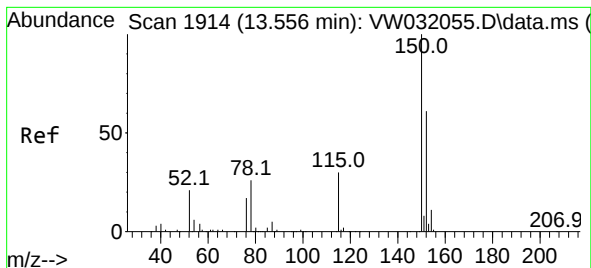
Tgt Ion: 95 Resp: 166429
Ion Ratio Lower Upper
95 100
174 64.9 0.0 129.0
176 64.7 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 117 Resp: 348814
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.4
119 32.6 24.2 36.4

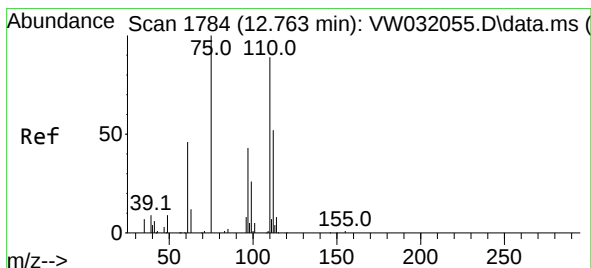
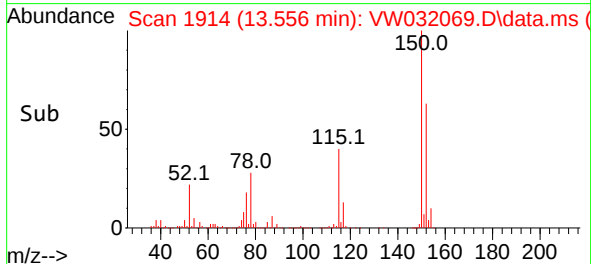
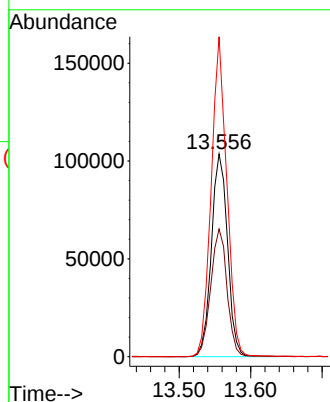
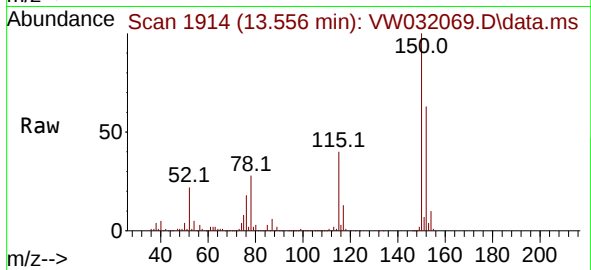




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

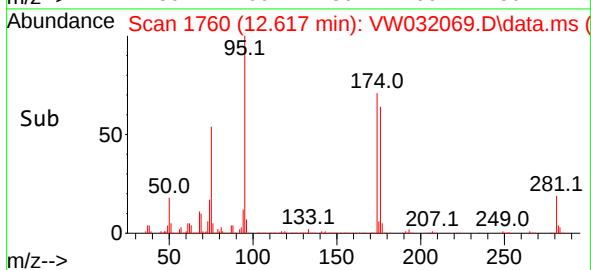
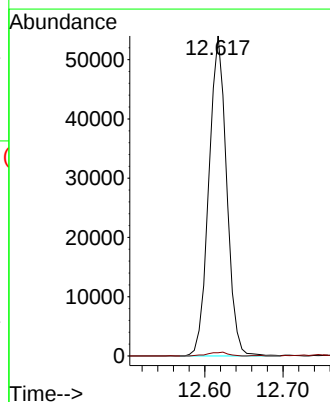
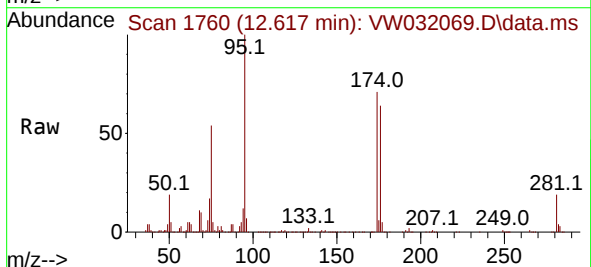
Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

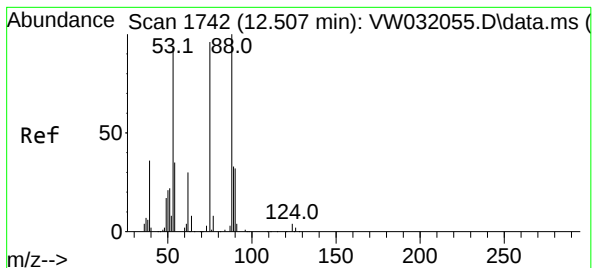
Tgt Ion:152 Resp: 162398
Ion Ratio Lower Upper
152 100
115 63.9 32.6 97.8
150 152.7 0.0 359.4



#76
1,2,3-Trichloropropane
Concen: 38.619 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 75 Resp: 85121
Ion Ratio Lower Upper
75 100
77 1.3 123.5 370.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 99.981 ug/l

RT: 12.617 min Scan# 11

Delta R.T. 0.110 min

Lab File: VW032069.D

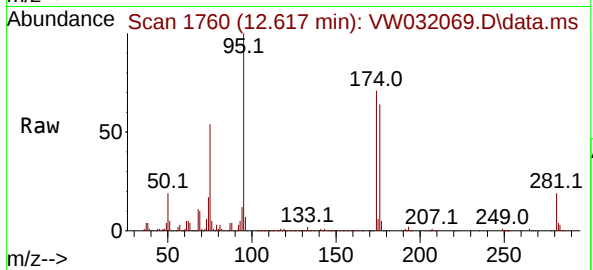
Acq: 11 Aug 2025 16:12

Instrument :

MSVOA_W

ClientSampleId :

B-2-5-1



Tgt Ion: 75 Resp: 85121

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.6 37.3 55.9#

