

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032011.D
 Acq On : 05 Aug 2025 14:37
 Operator : SY/MD
 Sample : Q2774-03
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 256

Quant Time: Aug 06 03:54:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

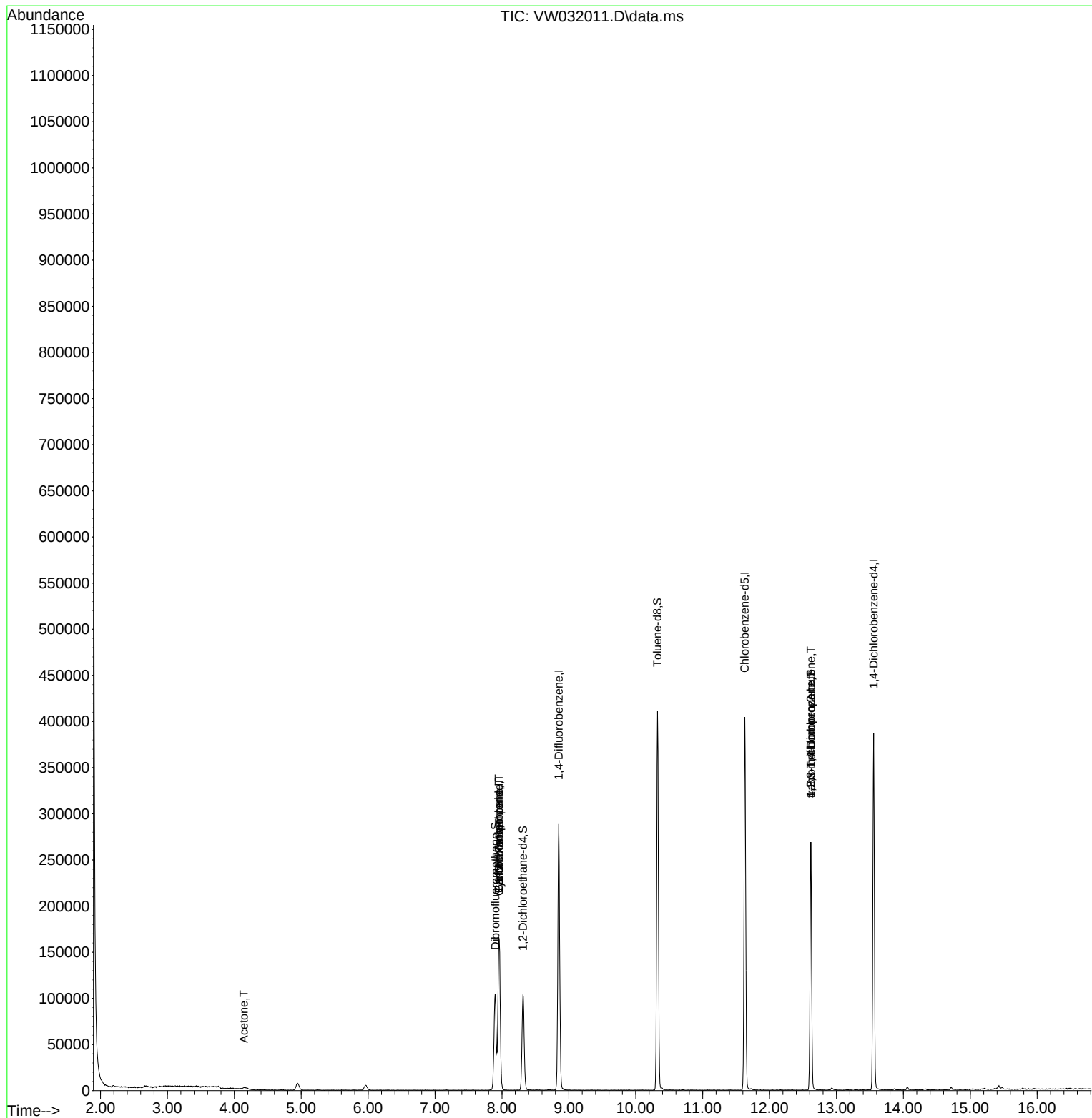
Internal Standards						
1) Pentafluorobenzene	7.953	168	117010	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.850	114	236230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	220618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	96070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	86998	49.150	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.300%		
35) Dibromofluoromethane	7.898	113	76854	47.878	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.760%		
50) Toluene-d8	10.325	98	277371	45.656	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	91.320%		
62) 4-Bromofluorobenzene	12.617	95	93646	40.144	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	80.280%		
Target Compounds						
13) Acrolein	3.954	56	110	Below Cal	Qvalue 97	
16) Acetone	4.143	43	2416	5.752 ug/l	98	
20) Methylene Chloride	4.954	84	6221	Below Cal #	83	
31) Cyclohexane	7.959	56	2928	1.079 ug/l #	1	
36) 1,1-Dichloropropene	7.953	75	11076	4.493 ug/l #	50	
38) Carbon Tetrachloride	7.953	117	13815	5.839 ug/l #	16	
76) 1,2,3-Trichloropropane	12.617	75	48419	36.504 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.617	75	48419	84.278 ug/l #	8	

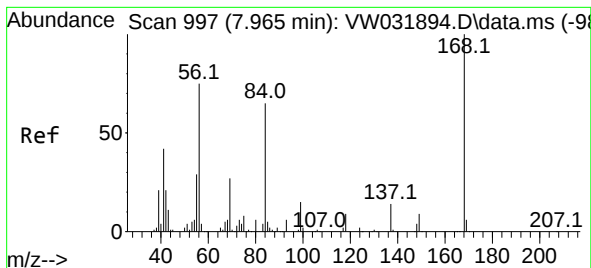
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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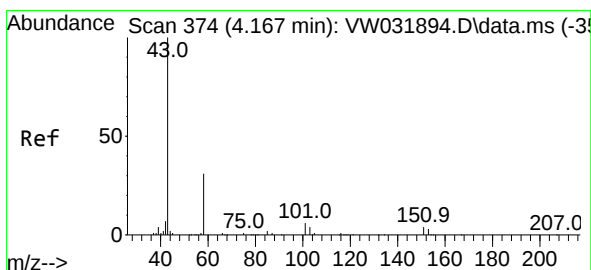
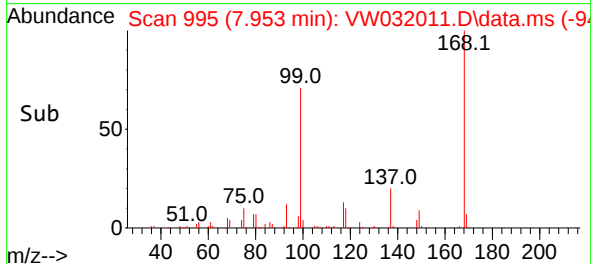
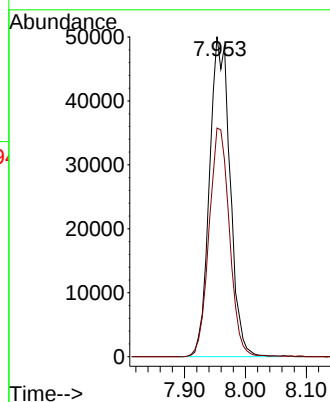
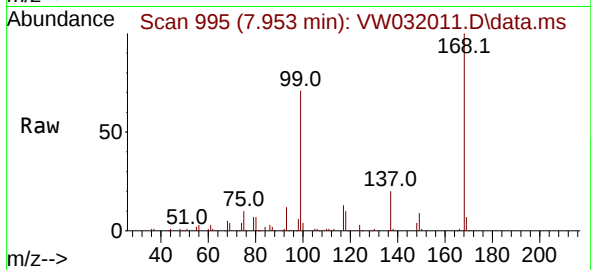




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 997
Delta R.T. -0.012 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

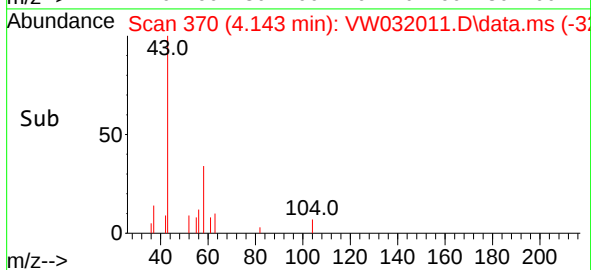
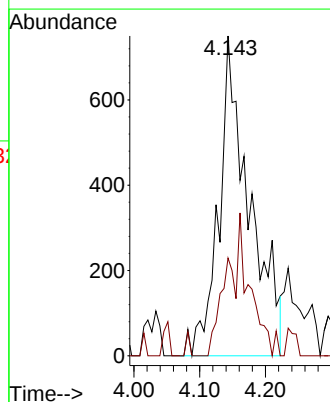
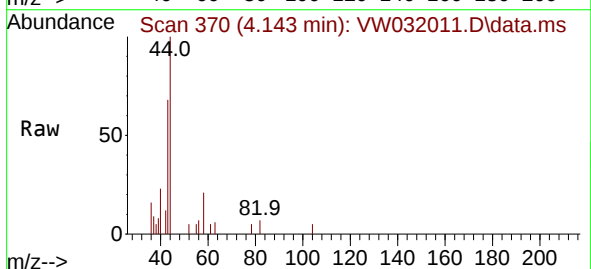
Instrument :
MSVOA_W
ClientSampleId :
256

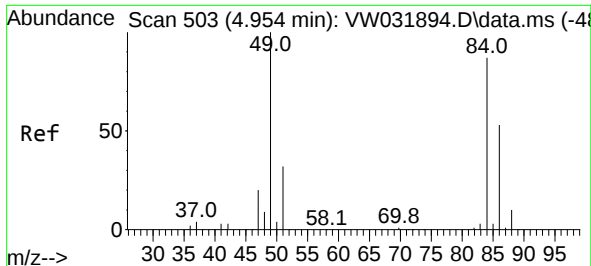
Tgt Ion:168 Resp: 117010
Ion Ratio Lower Upper
168 100
99 71.5 48.2 72.2



#16
Acetone
Concen: 5.752 ug/l
RT: 4.143 min Scan# 370
Delta R.T. -0.024 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

Tgt Ion: 43 Resp: 2416
Ion Ratio Lower Upper
43 100
58 30.5 25.5 38.3

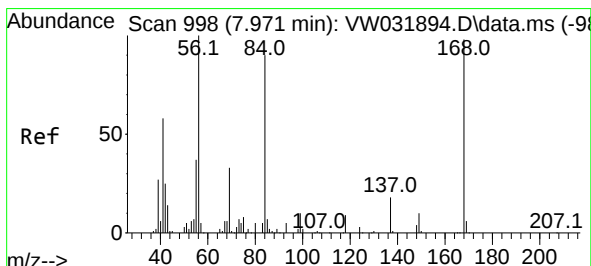
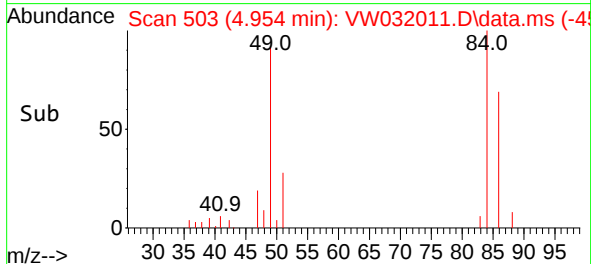
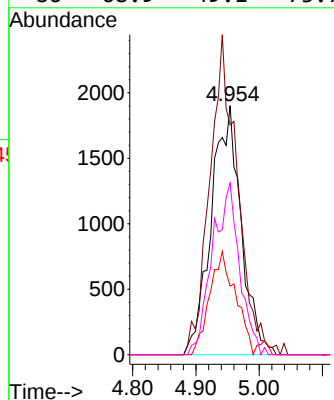
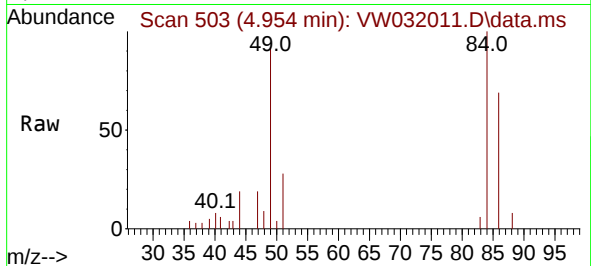




#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

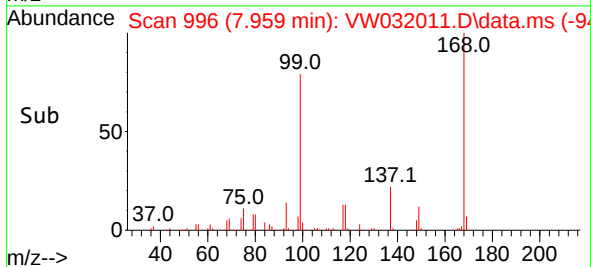
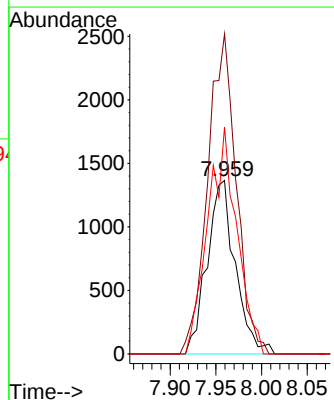
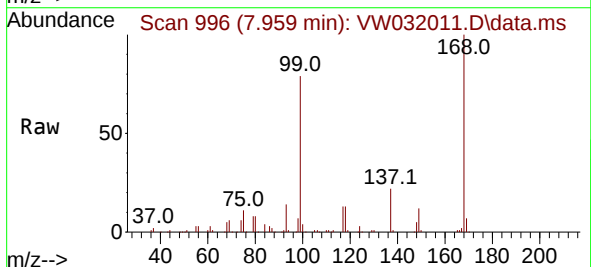
Instrument :
MSVOA_W
ClientSampleId :
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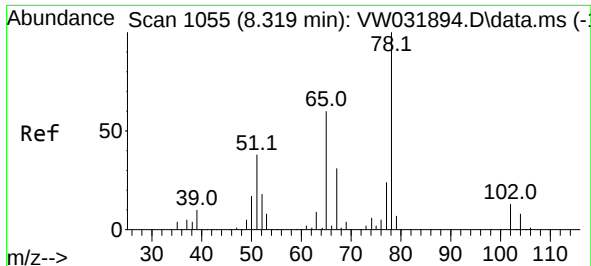
Tgt Ion:	84	Resp:	6221
Ion	Ratio	Lower	Upper
84	100		
49	92.2	91.9	137.9
51	27.5	29.0	43.6#
86	68.9	49.1	73.7



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

Tgt Ion:	56	Resp:	2928
Ion	Ratio	Lower	Upper
56	100		
69	184.5	26.7	40.1#
84	130.8	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 49.150 ug/l

RT: 8.313 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW032011.D

Acq: 05 Aug 2025 14:37

Instrument :

MSVOA_W

ClientSampleId :

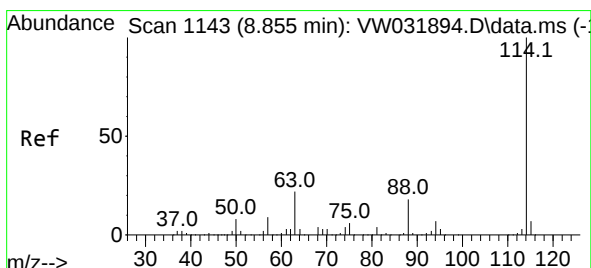
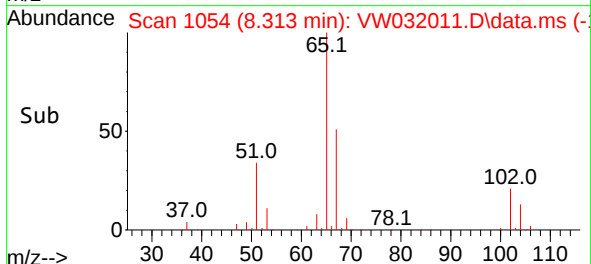
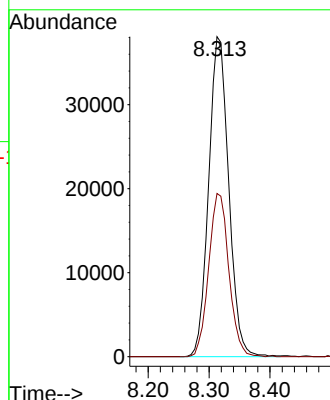
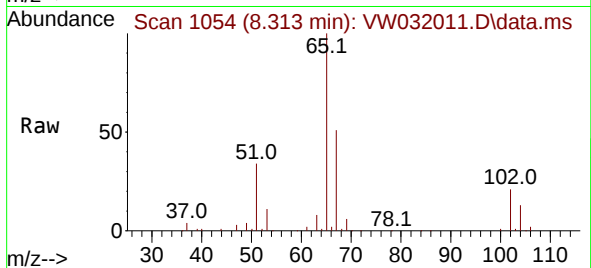
256

Tgt Ion: 65 Resp: 86998

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.850 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032011.D

Acq: 05 Aug 2025 14:37

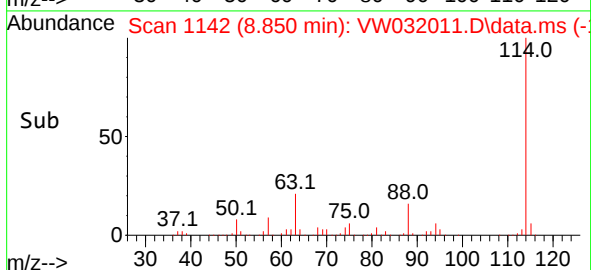
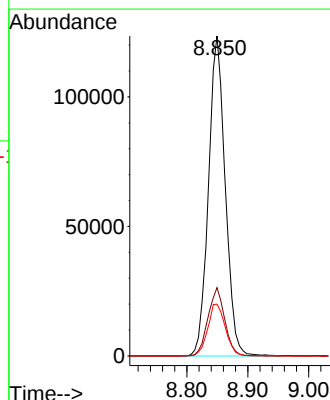
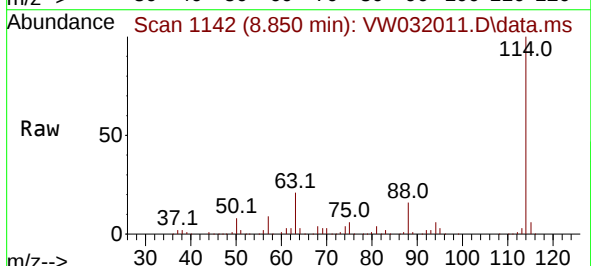
Tgt Ion: 114 Resp: 236230

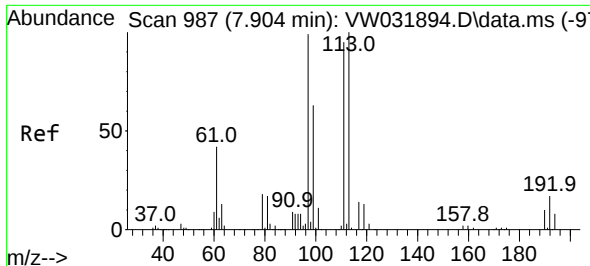
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

88 16.2 0.0 35.6

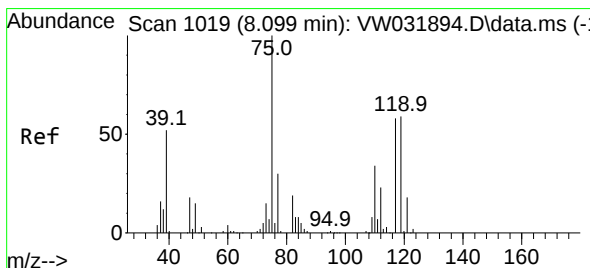
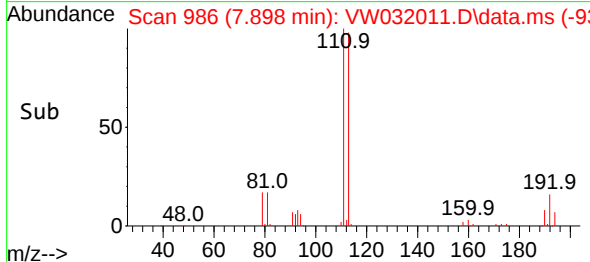
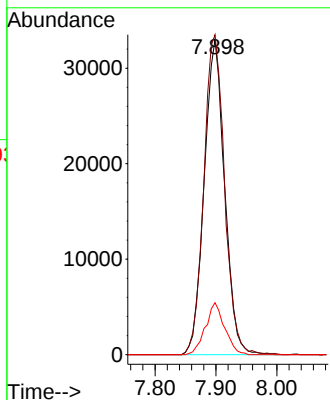
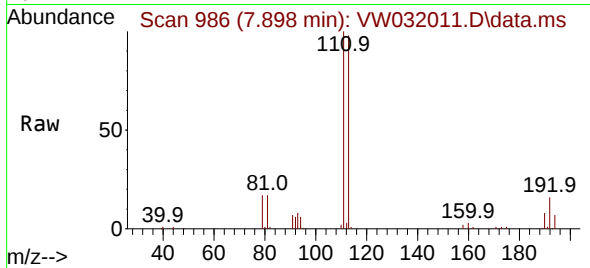




#35
 Dibromofluoromethane
 Concen: 47.878 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032011.D
 Acq: 05 Aug 2025 14:37

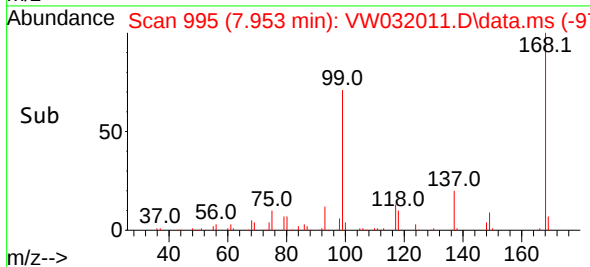
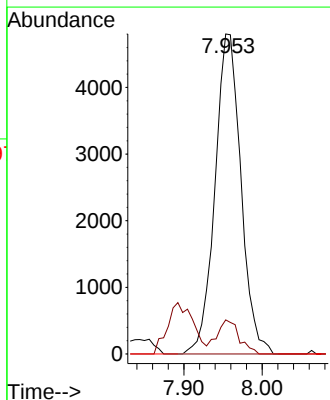
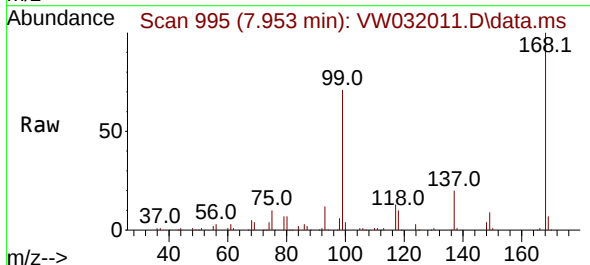
Instrument :
 MSVOA_W
 ClientSampleId :
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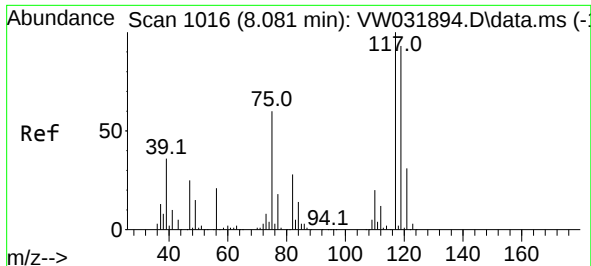
Tgt Ion:113 Resp: 76854
 Ion Ratio Lower Upper
 113 100
 111 103.2 79.9 119.9
 192 15.5 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.493 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW032011.D
 Acq: 05 Aug 2025 14:37

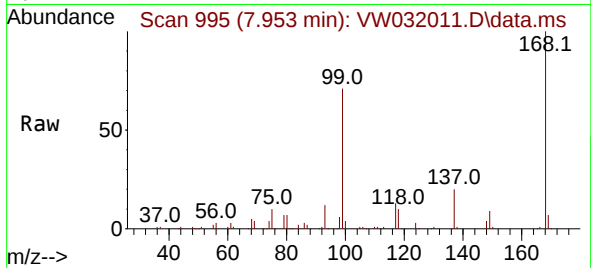
Tgt Ion: 75 Resp: 11076
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.0 50.9#
 77 0.0 25.1 37.7#



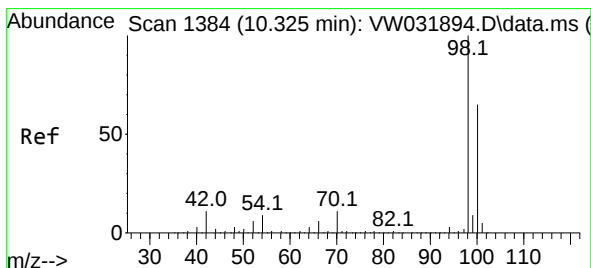
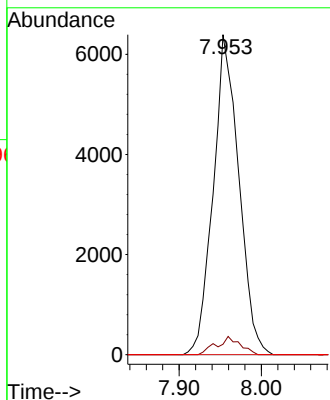
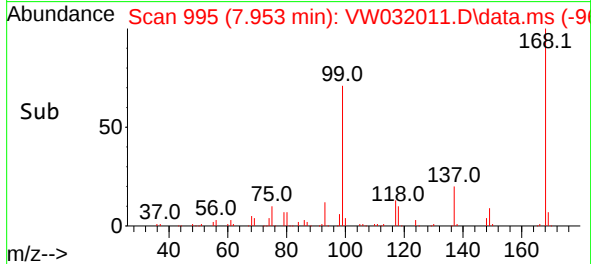


#38
Carbon Tetrachloride
Concen: 5.839 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.128 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

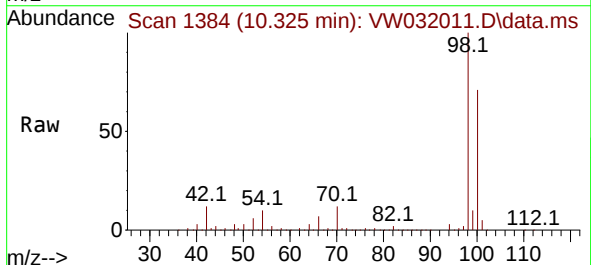
Instrument :
MSVOA_W
ClientSampleId :
256



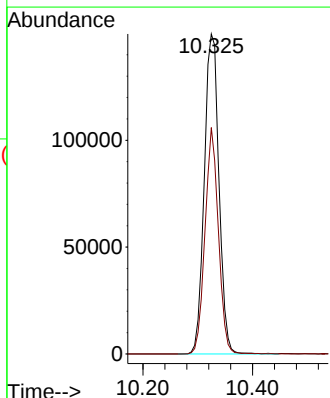
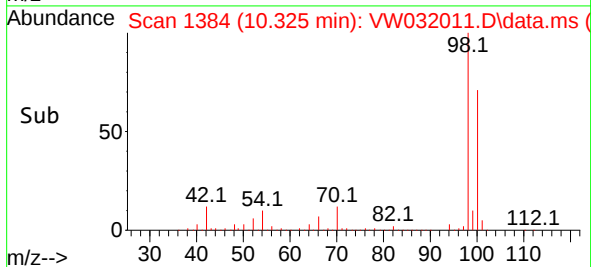
Tgt Ion:117 Resp: 13815
Ion Ratio Lower Upper
117 100
119 3.3 74.3 111.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.656 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37



Tgt Ion: 98 Resp: 277371
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5

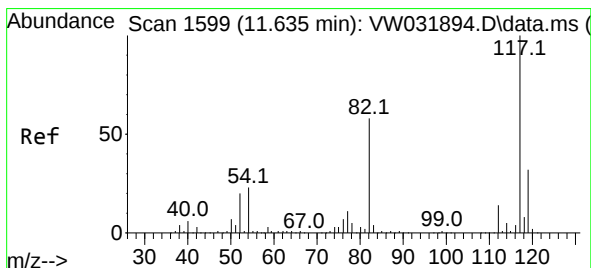
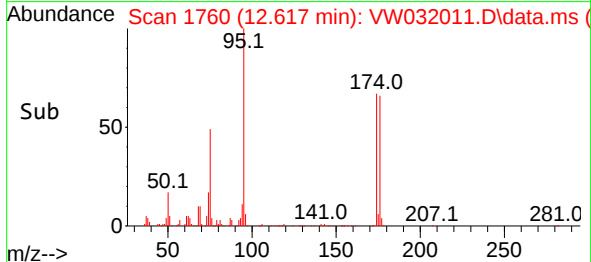
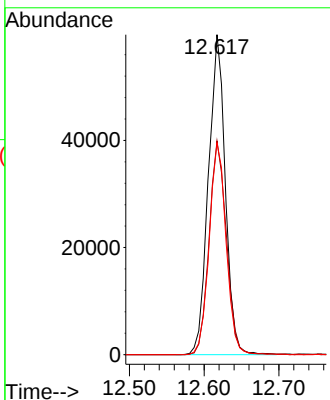
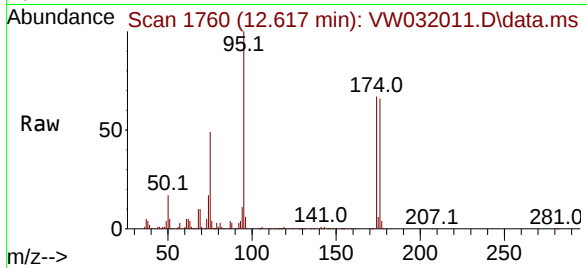




#62
4-Bromofluorobenzene
Concen: 40.144 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

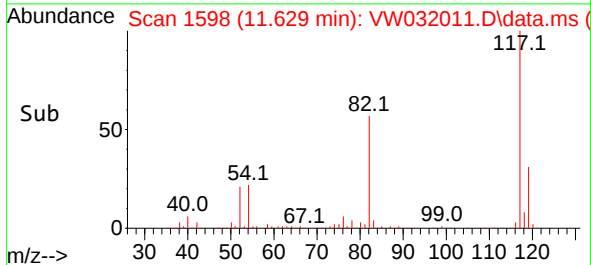
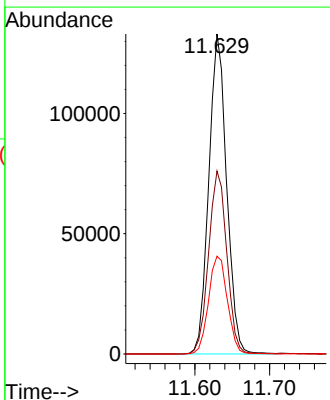
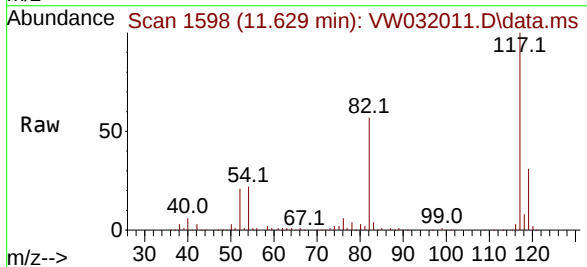
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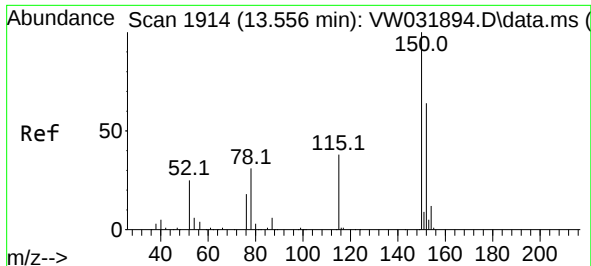
Tgt Ion:	95	Resp:	93646
Ion Ratio	Lower	Upper	
95	100		
174	68.8	0.0	129.8
176	66.5	0.0	130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

Tgt Ion:	117	Resp:	220618
Ion Ratio	Lower	Upper	
117	100		
82	57.1	46.5	69.7
119	30.6	25.8	38.6

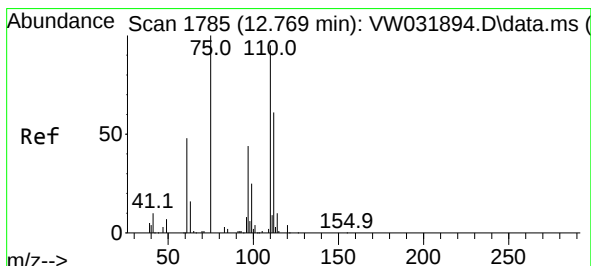
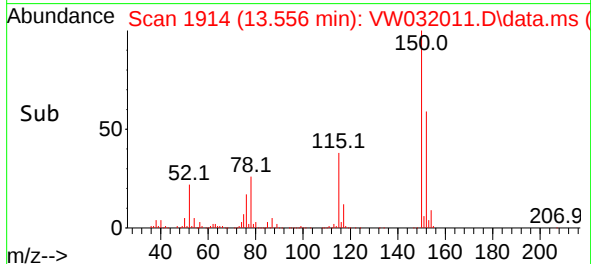
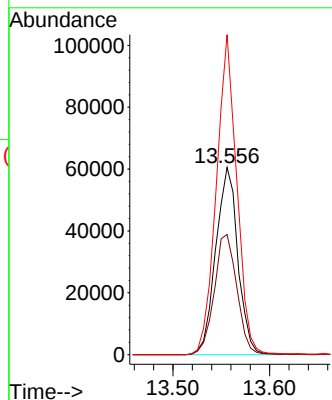
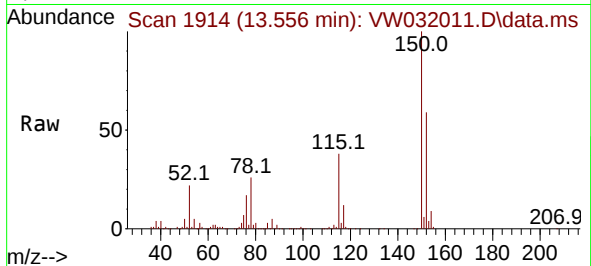




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032011.D
 Acq: 05 Aug 2025 14:37

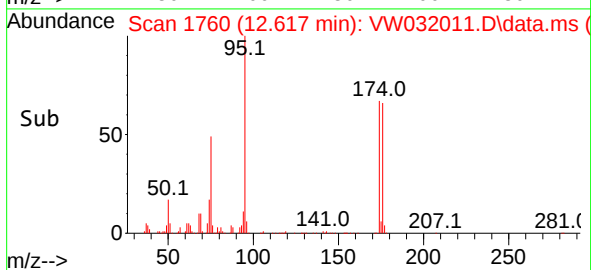
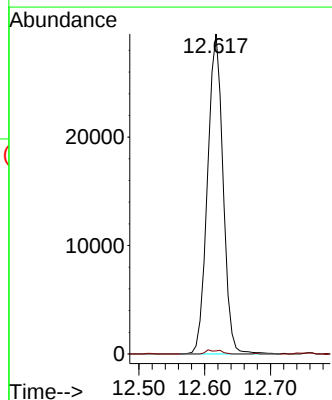
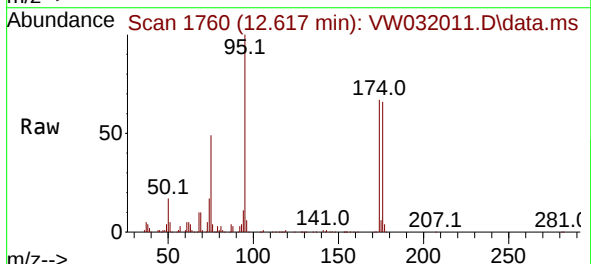
Instrument :
 MSVOA_W
 ClientSampleId :
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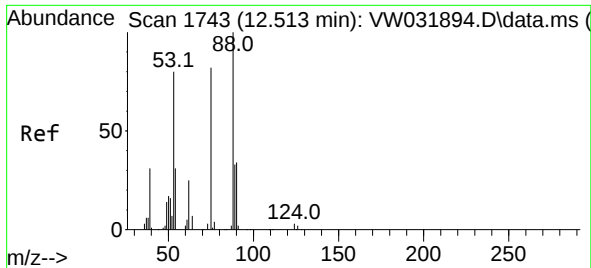
Tgt Ion:152 Resp: 96070
 Ion Ratio Lower Upper
 152 100
 115 66.0 33.4 100.1
 150 158.5 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 36.504 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.152 min
 Lab File: VW032011.D
 Acq: 05 Aug 2025 14:37

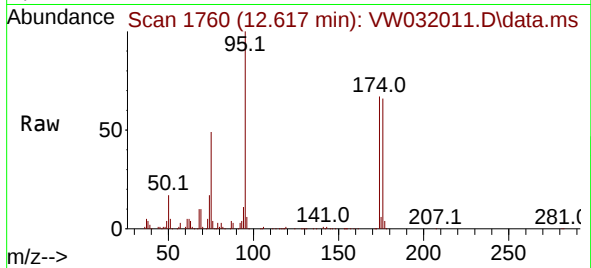
Tgt Ion: 75 Resp: 48419
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.278 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032011.D
 Acq: 05 Aug 2025 14:37

Instrument :
 MSVOA_W
 ClientSampleId :
 256



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	83.7	125.5#
89	0.0	39.0	58.6#

