

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092525\
 Data File : VW032264.D
 Acq On : 25 Sep 2025 13:46
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 26 07:14:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

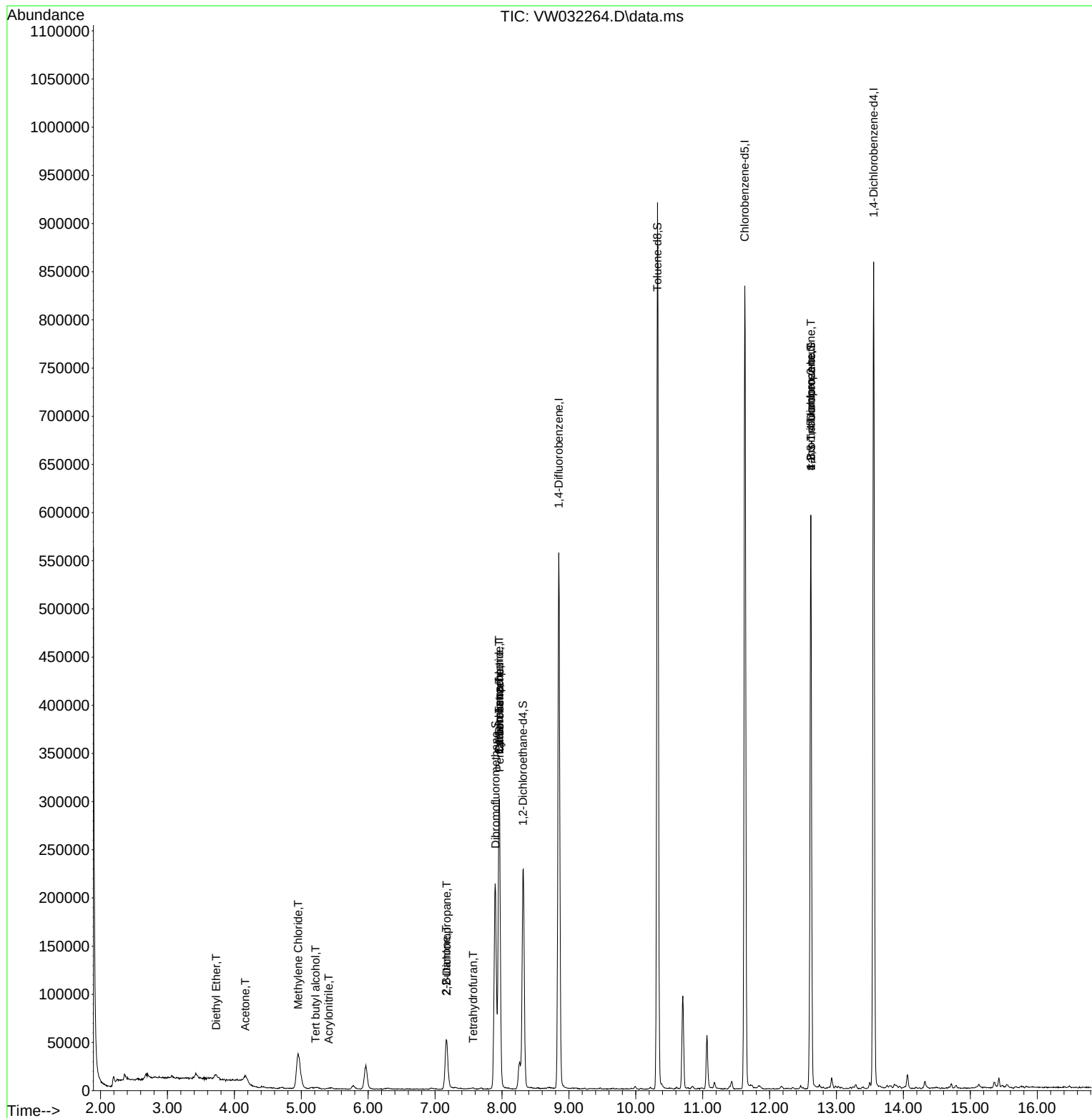
Internal Standards						
1) Pentafluorobenzene	7.965	168	212884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	466730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	453812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	219189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	189923	56.501	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	113.000%	
35) Dibromofluoromethane	7.904	113	158594	47.249	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	94.500%	
50) Toluene-d8	10.325	98	587548	48.570	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	97.140%	
62) 4-Bromofluorobenzene	12.617	95	199346	43.687	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	87.380%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.728	74	3197	1.825	ug/l	87
11) Tert butyl alcohol	5.216	59	1830	7.843	ug/l #	88
15) Acrylonitrile	5.411	53	976	1.082	ug/l #	59
16) Acetone	4.161	43	10558	12.231	ug/l	94
20) Methylene Chloride	4.954	84	36076	4.741	ug/l	98
25) 2-Butanone	7.167	43	4123	3.427	ug/l #	73
26) 2,2-Dichloropropane	7.173	77	3946	1.455	ug/l #	52
29) Tetrahydrofuran	7.569	42	808	1.034	ug/l #	77
31) Cyclohexane	7.959	56	5290	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	19448	4.298	ug/l #	50
38) Carbon Tetrachloride	7.959	117	24281	5.703	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	101254	33.578	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	101254	87.216	ug/l #	10

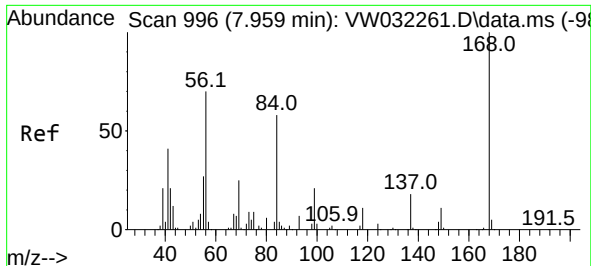
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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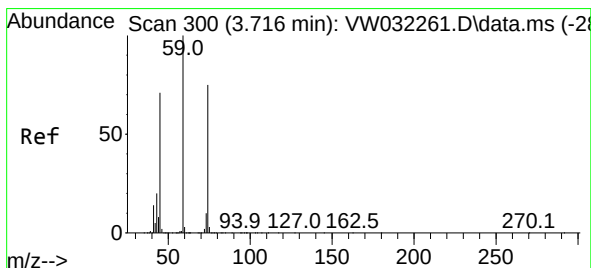
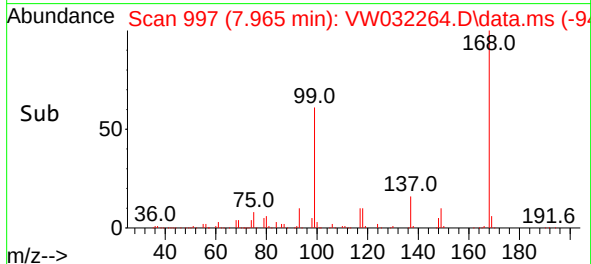
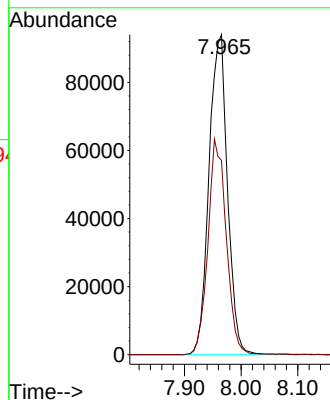
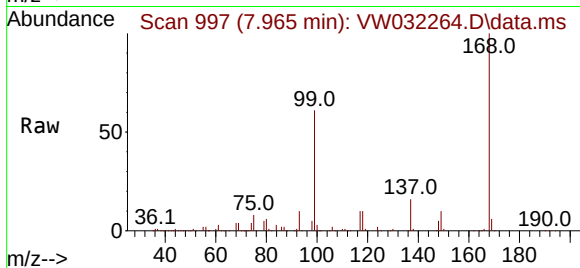




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

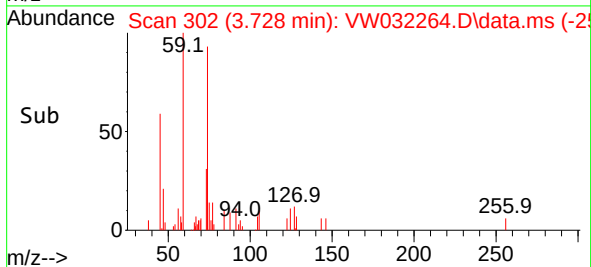
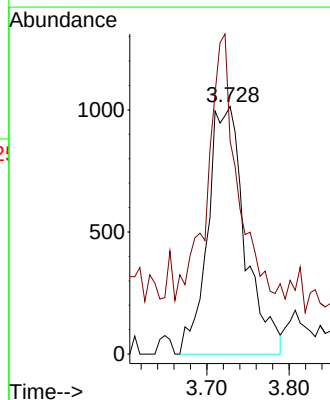
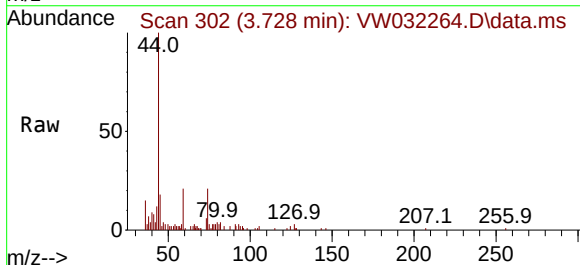
Instrument :
MSVOA_W
ClientSampleId :

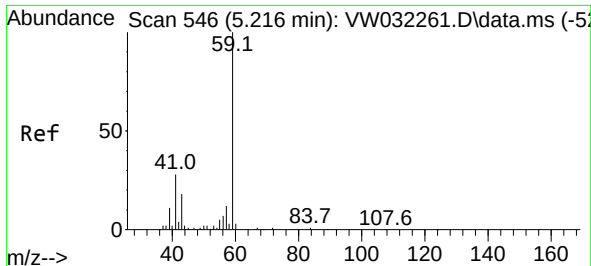
Tgt Ion:168 Resp: 212884
Ion Ratio Lower Upper
168 100
99 60.8 55.0 82.4



#8
Diethyl Ether
Concen: 1.825 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.012 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 74 Resp: 3197
Ion Ratio Lower Upper
74 100
45 85.4 49.0 147.2

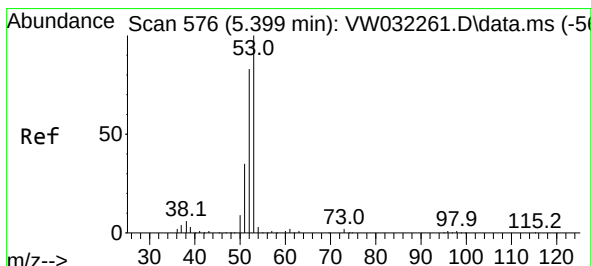
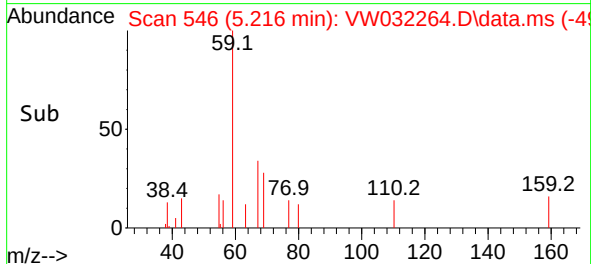
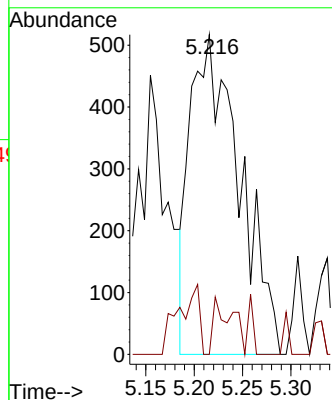
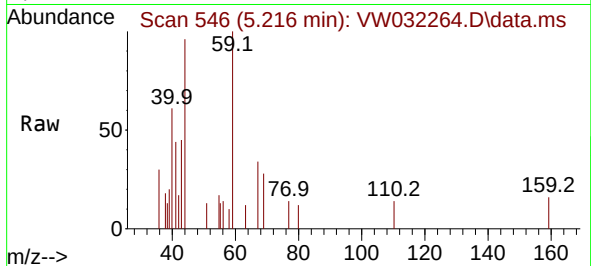




#11
Tert butyl alcohol
Concen: 7.843 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.000 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

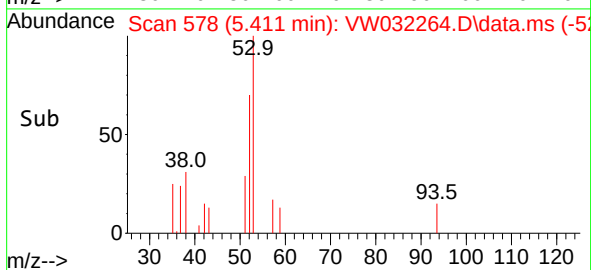
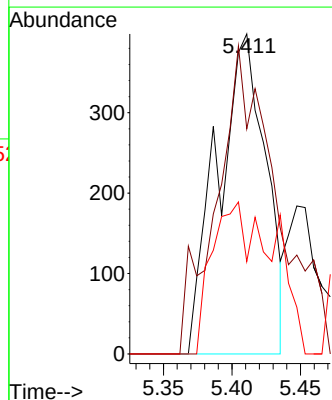
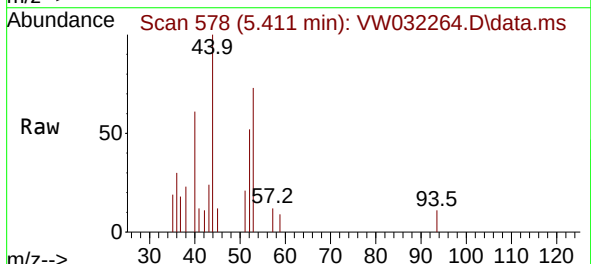
Instrument :
MSVOA_W
ClientSampleId :

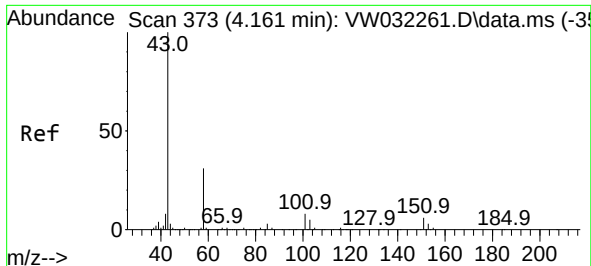
Tgt Ion: 59 Resp: 1830
Ion Ratio Lower Upper
59 100
57 6.7 8.9 13.3#



#15
Acrylonitrile
Concen: 1.082 ug/l
RT: 5.411 min Scan# 578
Delta R.T. 0.012 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 53 Resp: 976
Ion Ratio Lower Upper
53 100
52 119.8 66.3 99.5#
51 60.6 29.6 44.4#

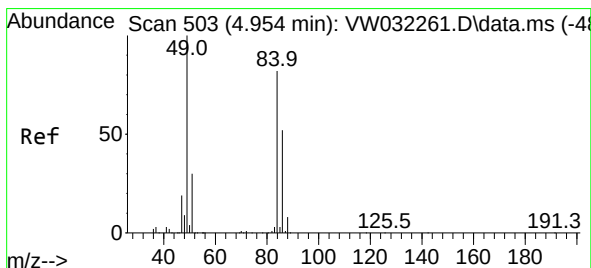
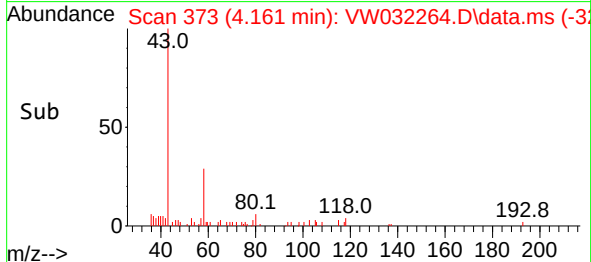
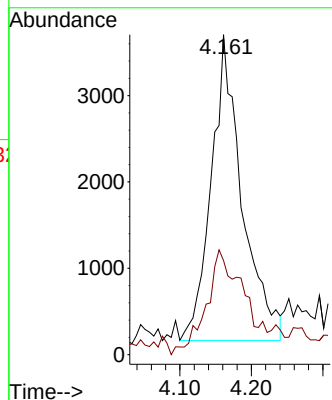
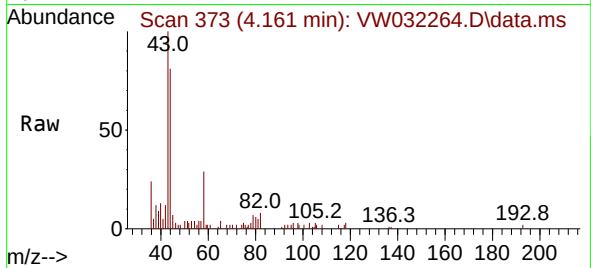




#16
Acetone
Concen: 12.231 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

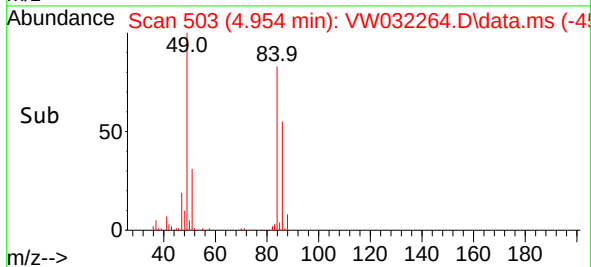
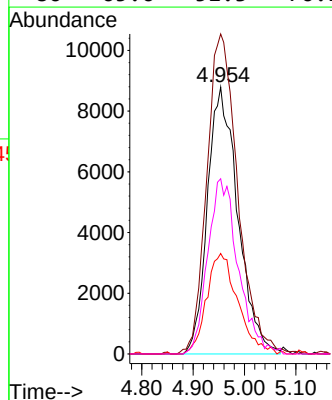
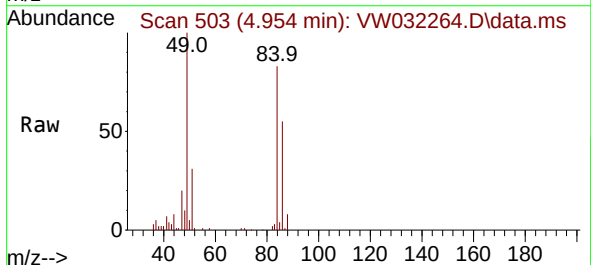
Instrument :
MSVOA_W
ClientSampleId :

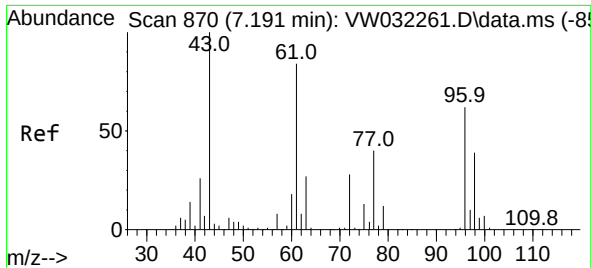
Tgt Ion: 43 Resp: 10558
Ion Ratio Lower Upper
43 100
58 28.2 25.4 38.0



#20
Methylene Chloride
Concen: 4.741 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 84 Resp: 36076
Ion Ratio Lower Upper
84 100
49 119.2 97.8 146.6
51 37.7 29.9 44.9
86 65.6 51.3 76.9

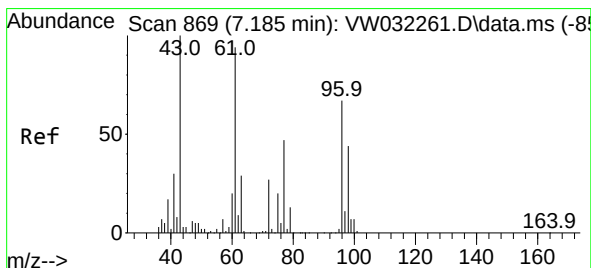
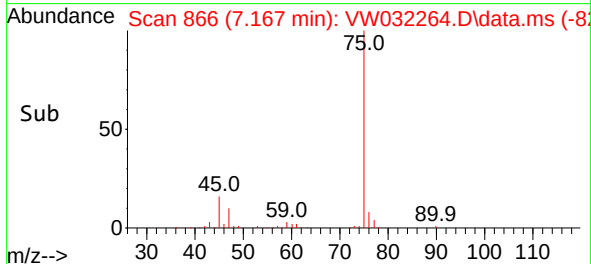
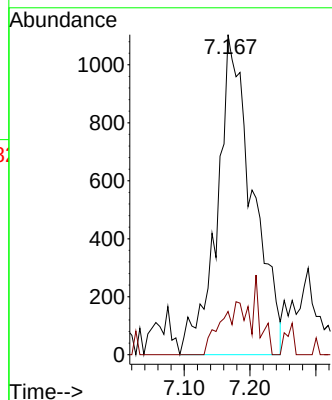
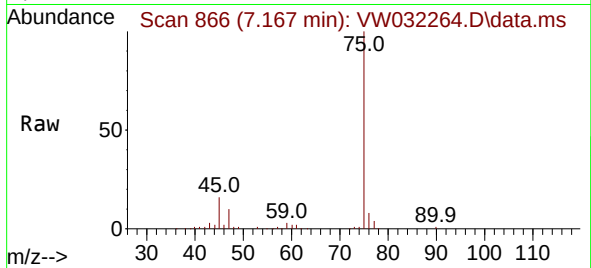




#25
2-Butanone
Concen: 3.427 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

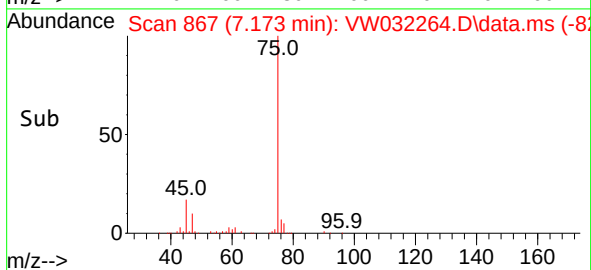
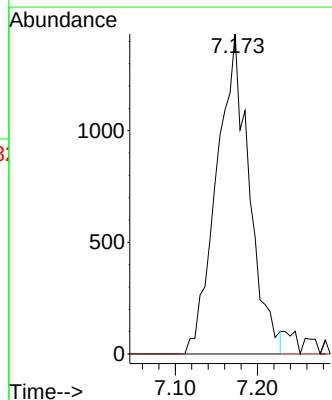
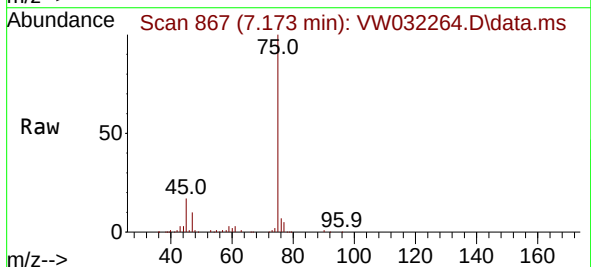
Instrument :
MSVOA_W
ClientSampleId :

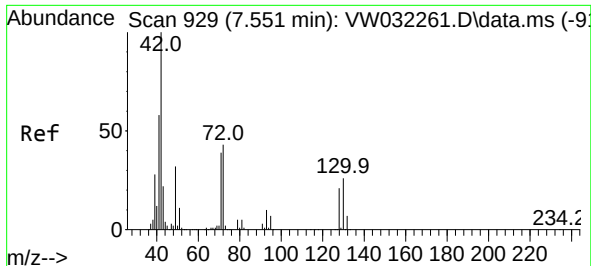
Tgt Ion: 43 Resp: 4123
Ion Ratio Lower Upper
43 100
72 13.5 22.3 33.5#



#26
2,2-Dichloropropane
Concen: 1.455 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.012 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 77 Resp: 3946
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#





#29

Tetrahydrofuran

Concen: 1.034 ug/l

RT: 7.569 min Scan# 91

Delta R.T. 0.018 min

Lab File: VW032264.D

Acq: 25 Sep 2025 13:46

Instrument :

MSVOA_W

ClientSampleId :

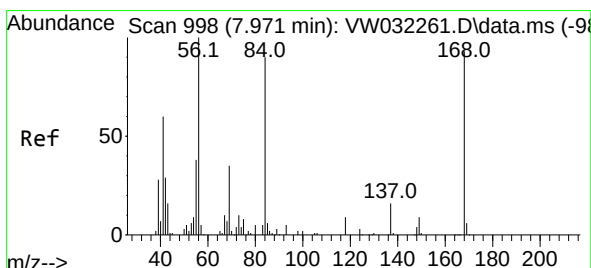
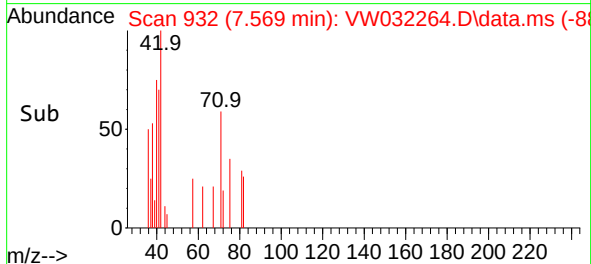
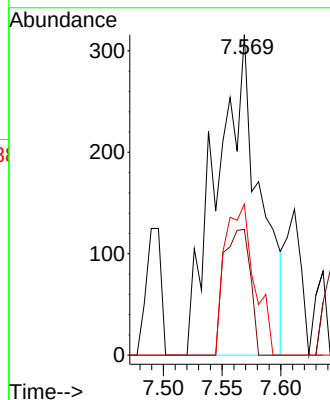
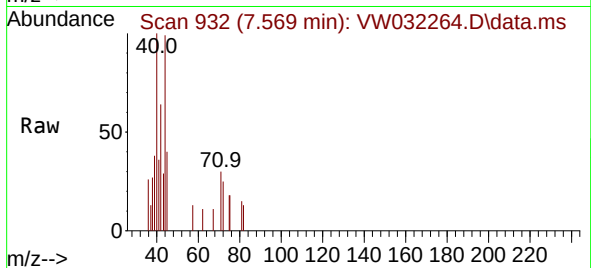
Tgt Ion: 42 Resp: 808

Ion Ratio Lower Upper

42 100

72 23.9 35.1 52.7#

71 32.2 33.3 49.9#



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW032264.D

Acq: 25 Sep 2025 13:46

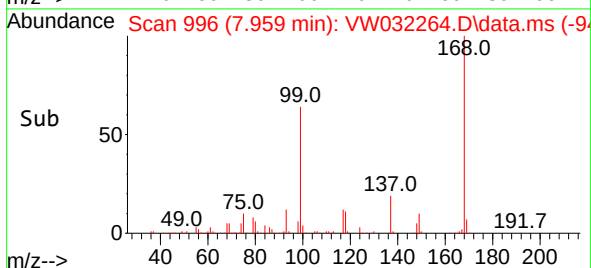
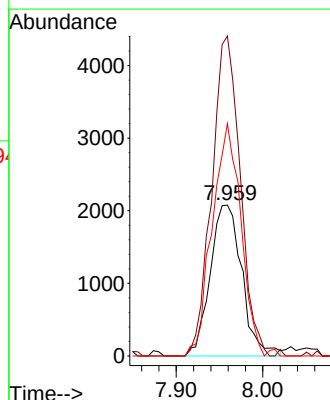
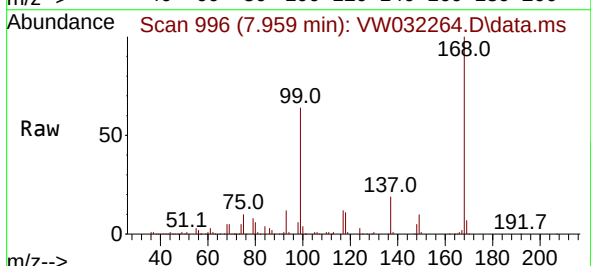
Tgt Ion: 56 Resp: 5290

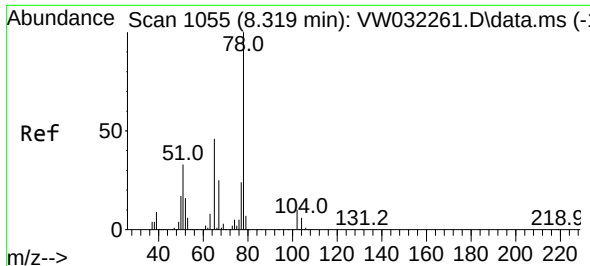
Ion Ratio Lower Upper

56 100

69 212.1 28.2 42.2#

84 153.9 71.8 107.6#

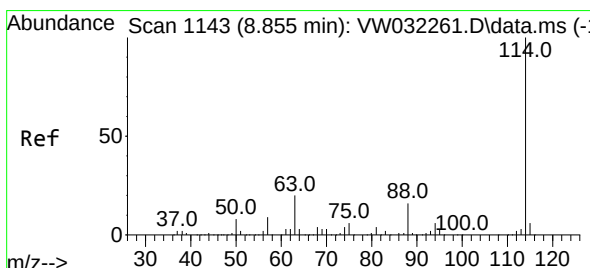
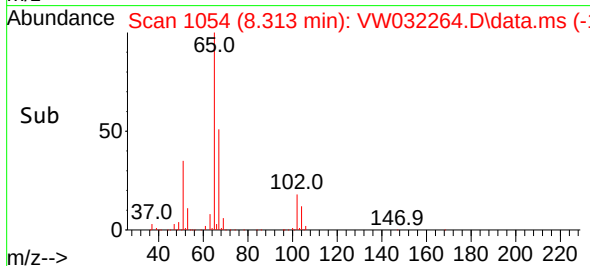
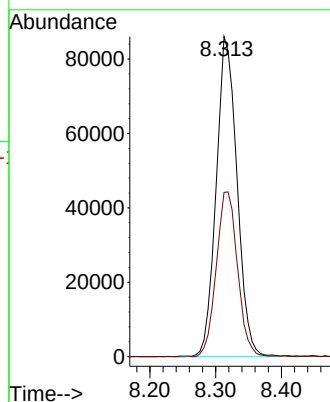
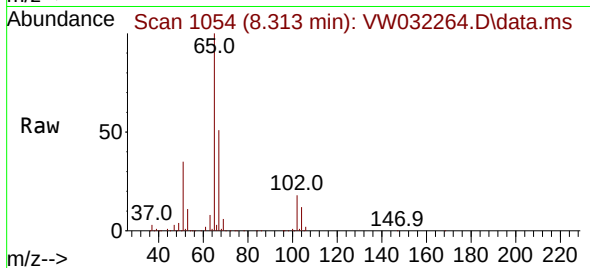




#33
 1,2-Dichloroethane-d4
 Concen: 56.501 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW032264.D
 Acq: 25 Sep 2025 13:46

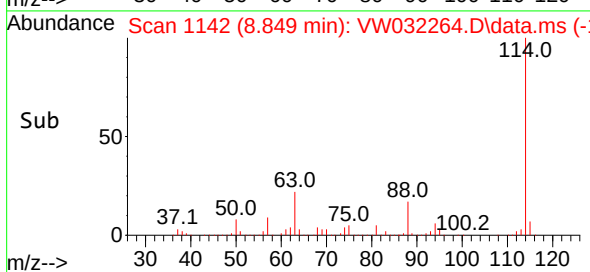
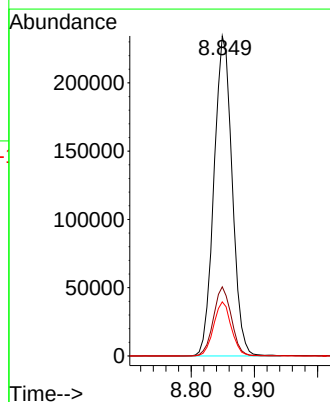
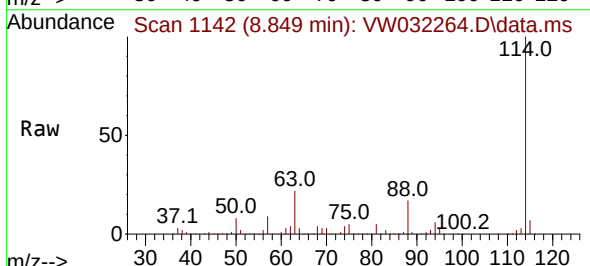
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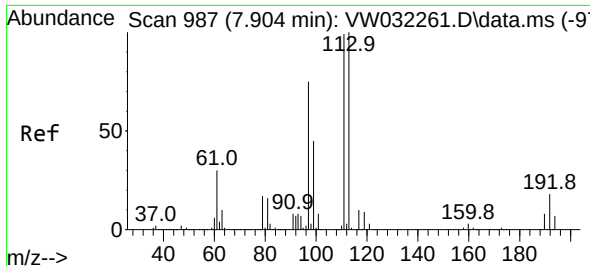
Tgt Ion: 65 Resp: 189923
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032264.D
 Acq: 25 Sep 2025 13:46

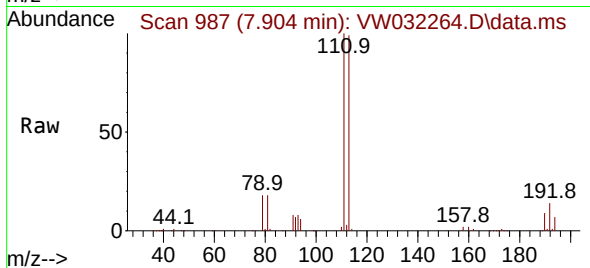
Tgt Ion: 114 Resp: 466730
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.2
 88 16.9 0.0 32.0



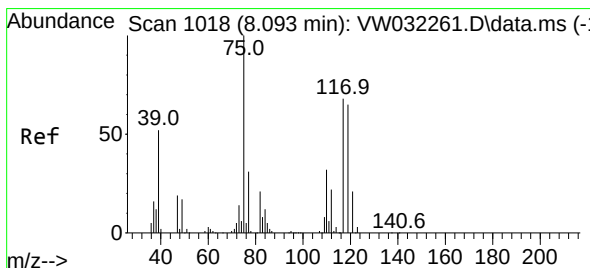
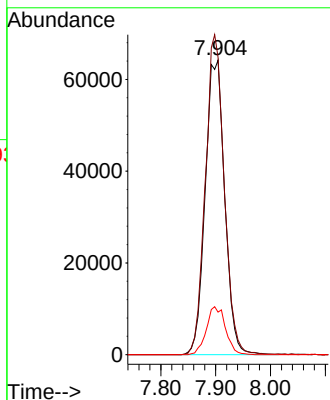
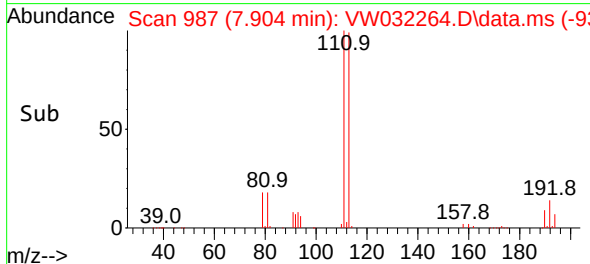


#35
 Dibromofluoromethane
 Concen: 47.249 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032264.D
 Acq: 25 Sep 2025 13:46

Instrument :
 MSVOA_W
 ClientSampleId :

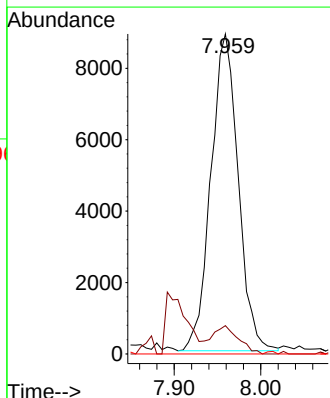
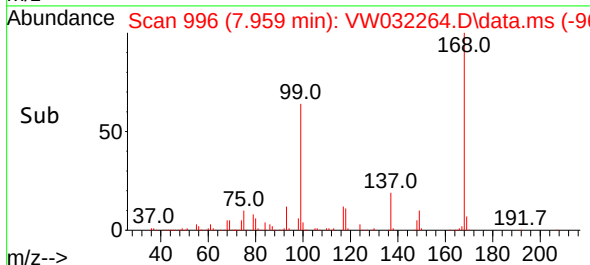
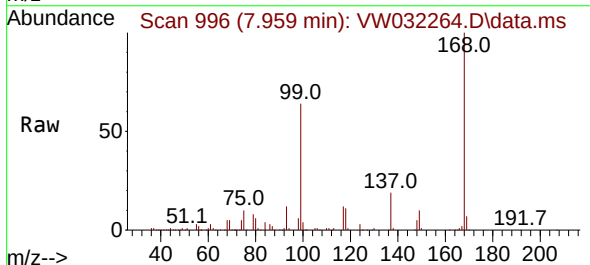


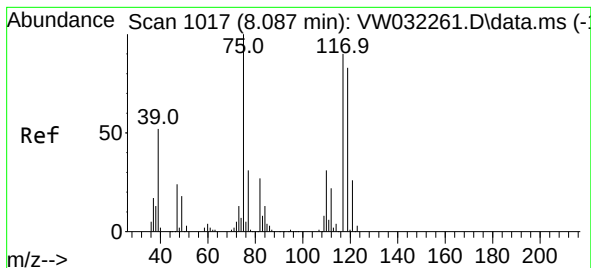
Tgt Ion:113 Resp: 158594
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.8 122.8
 192 16.0 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 4.298 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032264.D
 Acq: 25 Sep 2025 13:46

Tgt Ion: 75 Resp: 19448
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.7 50.1#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.703 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

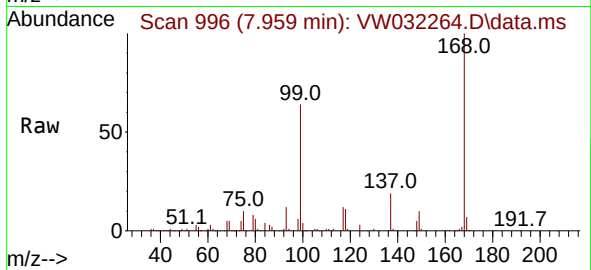
Lab File: VW032264.D

Acq: 25 Sep 2025 13:46

Instrument :

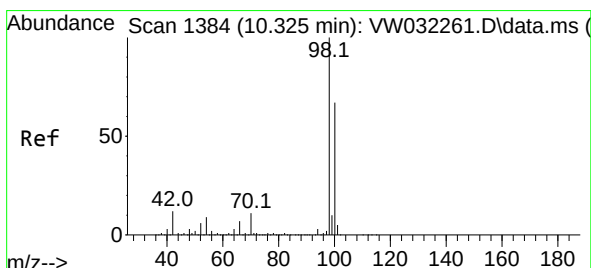
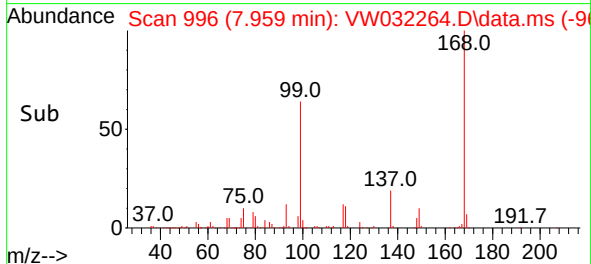
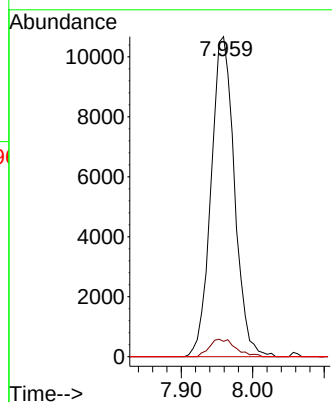
MSVOA_W

ClientSampleId :



Tgt Ion:117 Resp: 24281

Ion	Ratio	Lower	Upper
117	100		
119	4.8	73.9	110.9#
121	0.0	23.0	34.6#



#50

Toluene-d8

Concen: 48.570 ug/l

RT: 10.325 min Scan# 1384

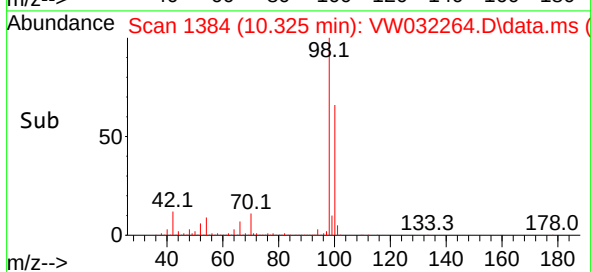
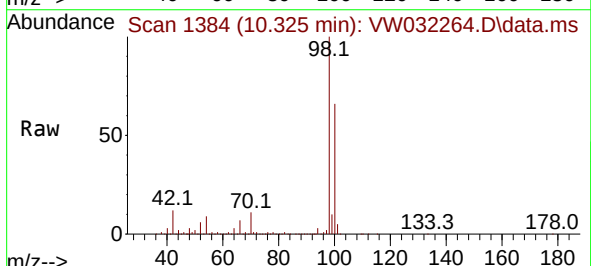
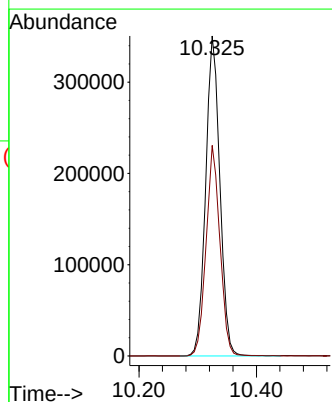
Delta R.T. -0.000 min

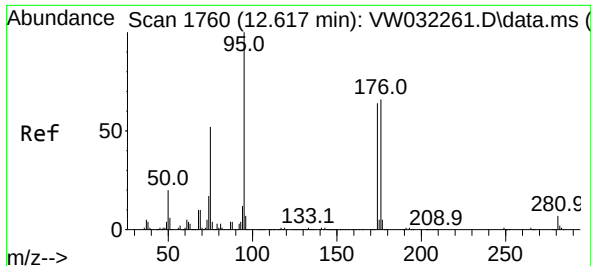
Lab File: VW032264.D

Acq: 25 Sep 2025 13:46

Tgt Ion: 98 Resp: 587548

Ion	Ratio	Lower	Upper
98	100		
100	64.3	53.0	79.4

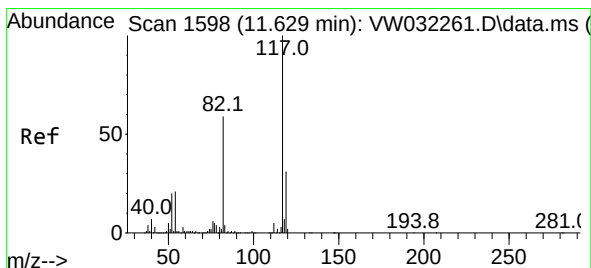
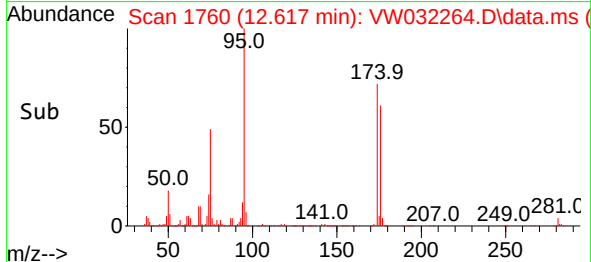
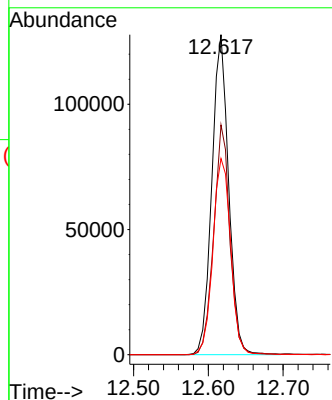
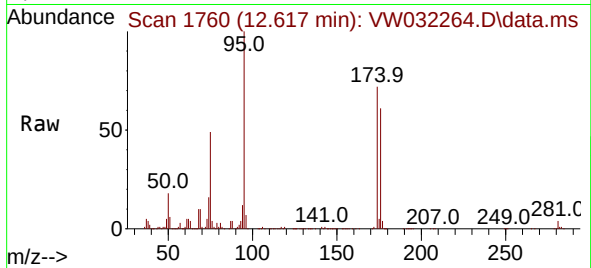




#62
4-Bromofluorobenzene
Concen: 43.687 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

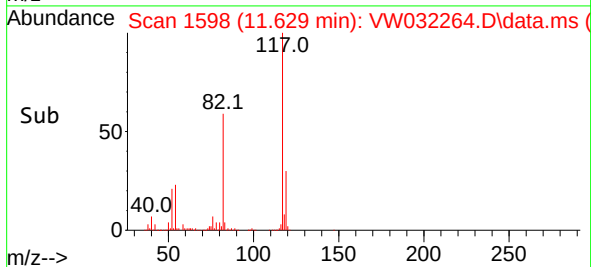
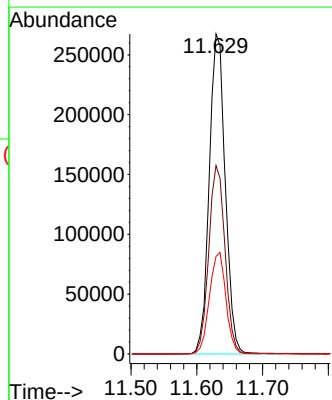
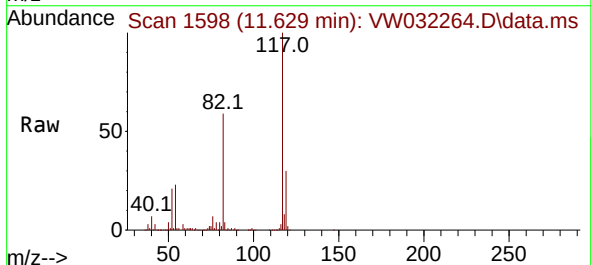
Instrument :
MSVOA_W
ClientSampleId :

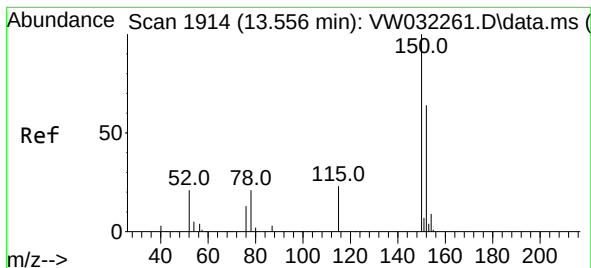
Tgt Ion: 95 Resp: 199346
Ion Ratio Lower Upper
95 100
174 69.4 0.0 130.6
176 64.9 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 117 Resp: 453812
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 30.5 24.9 37.3

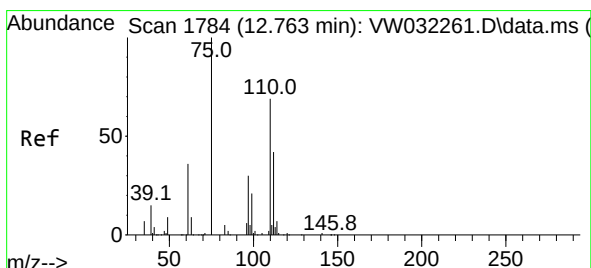
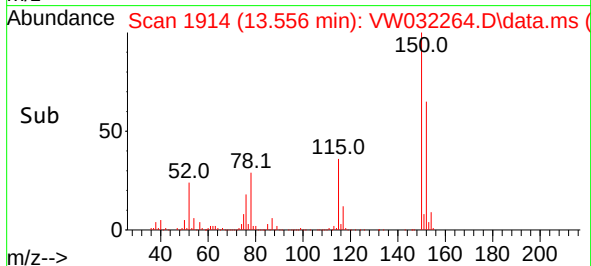
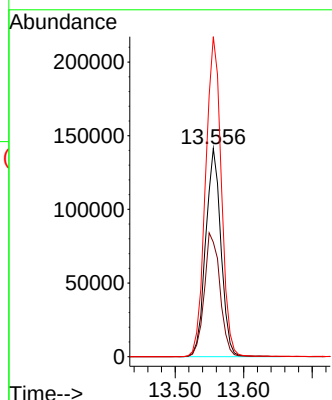
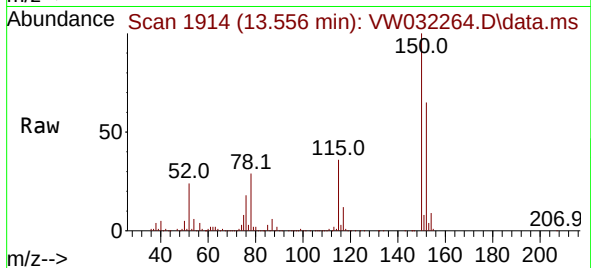




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032264.D
 Acq: 25 Sep 2025 13:46

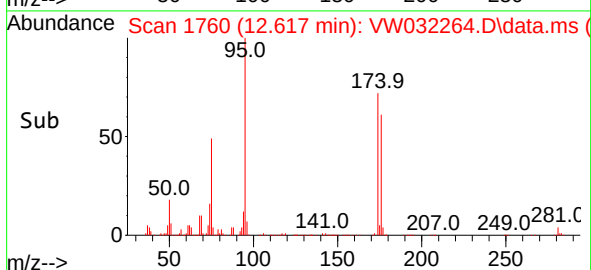
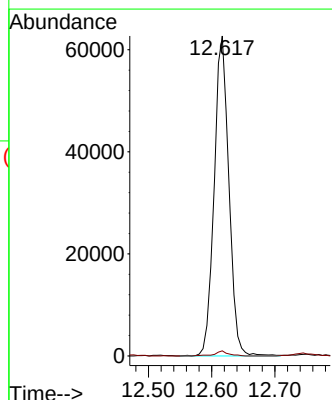
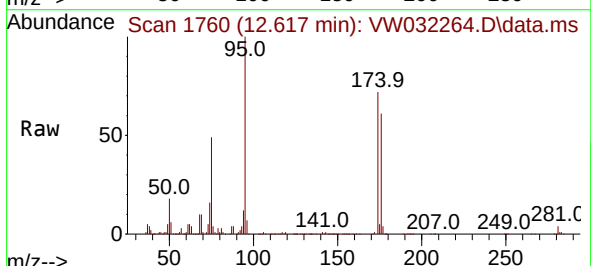
Instrument :
 MSVOA_W
 ClientSampleId :

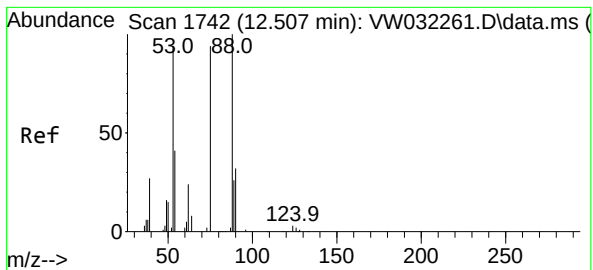
Tgt Ion:152 Resp: 219189
 Ion Ratio Lower Upper
 152 100
 115 61.2 32.5 97.5
 150 158.6 0.0 370.2



#76
 1,2,3-Trichloropropane
 Concen: 33.578 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032264.D
 Acq: 25 Sep 2025 13:46

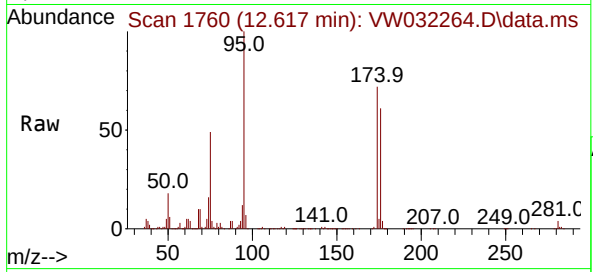
Tgt Ion: 75 Resp: 101254
 Ion Ratio Lower Upper
 75 100
 77 1.5 140.9 422.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 87.216 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	75	Resp:	101254
Ion	Ratio	Lower	Upper
75	100		
53	0.4	81.4	122.2#
89	0.3	35.4	53.2#

