

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091625\
 Data File : VU063587.D
 Acq On : 16 Sep 2025 10:53
 Operator : MD/SY
 Sample : VU0916WBL01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 03:02:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 03:31:19 2025
 Response via : Initial Calibration

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

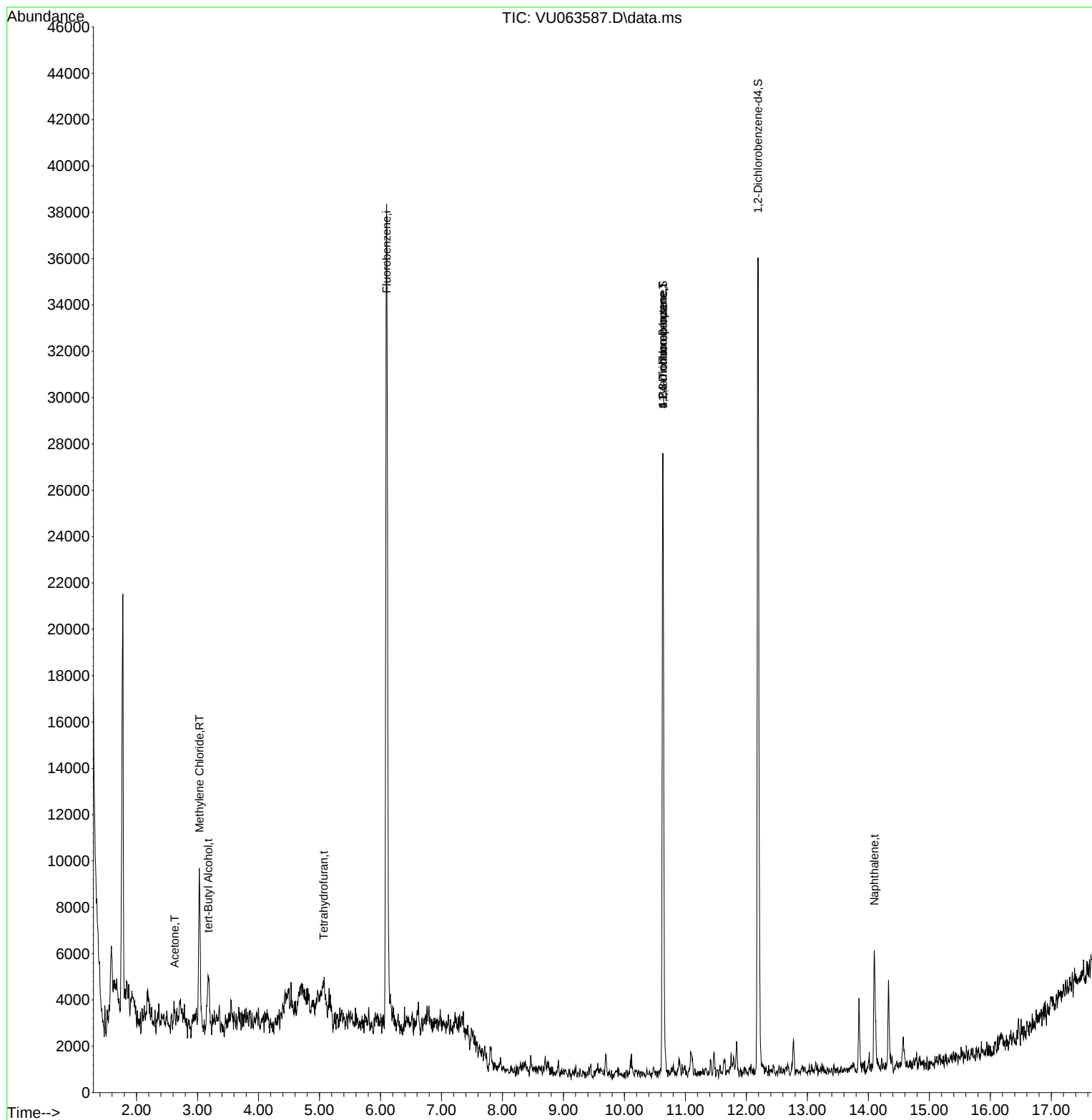
Internal Standards						
1) Fluorobenzene	6.100	96	32384	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	10203	0.846	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10529	0.856	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
						Qvalue
13) Acetone	2.624	43	852	0.236	ug/l	93
15) Methylene Chloride	3.033	84	2569	0.230	ug/l	95
24) tert-Butyl Alcohol	3.178	59	1628	1.642	ug/l #	72
41) Tetrahydrofuran	5.068	42	508	0.214	ug/l #	35
46) t-1,4-Dichloro-2-butene	10.631	75	5398	2.140	ug/l #	40
71) 1,2,3-Trichloropropane	10.631	75	5398	0.750	ug/l #	43
89) Naphthalene	14.097	128	6038	0.265	ug/l #	87

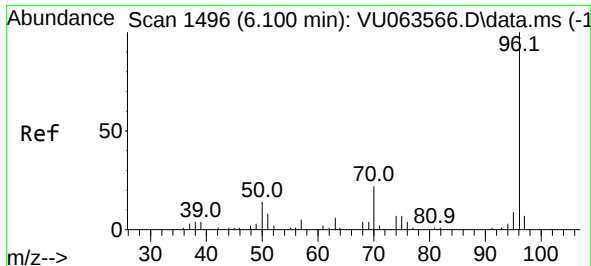
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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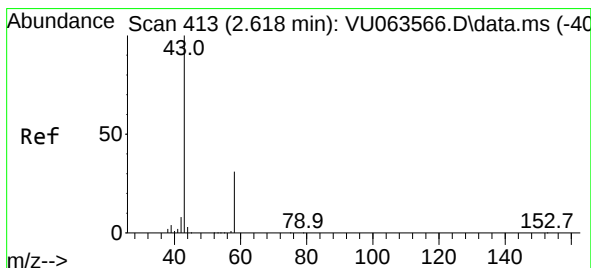
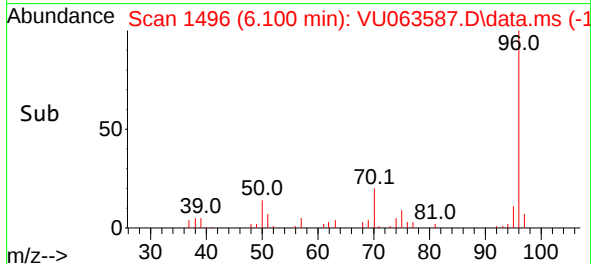
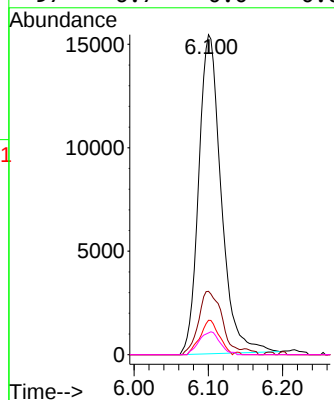
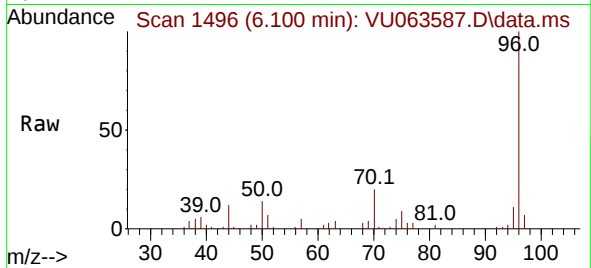




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

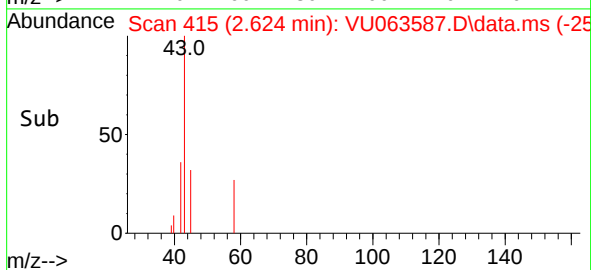
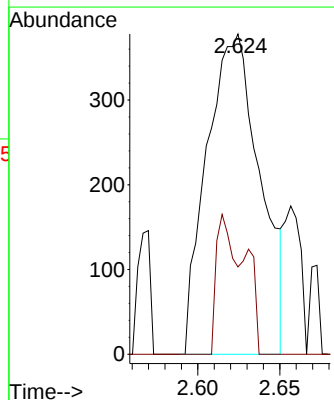
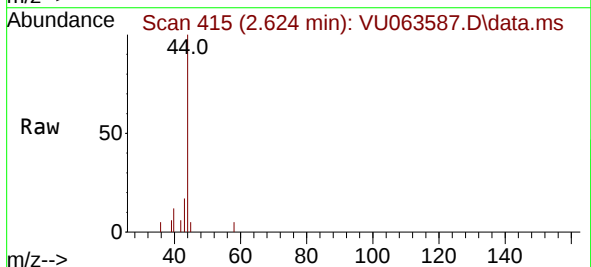
Instrument :
MSVOA_U
ClientSampleId :

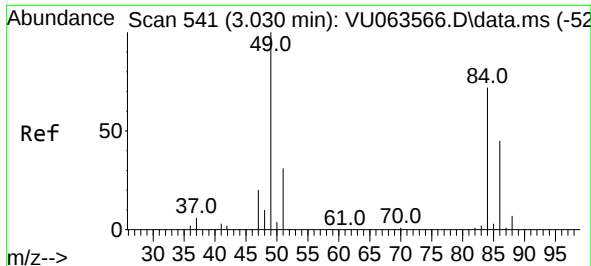
Tgt Ion: 96	Resp: 32384
Ion Ratio	Lower Upper
96 100	
70 18.8	15.5 23.3
95 9.1	7.7 11.5
97 6.7	0.0 0.0



#13
Acetone
Concen: 0.236 ug/l
RT: 2.624 min Scan# 415
Delta R.T. 0.006 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

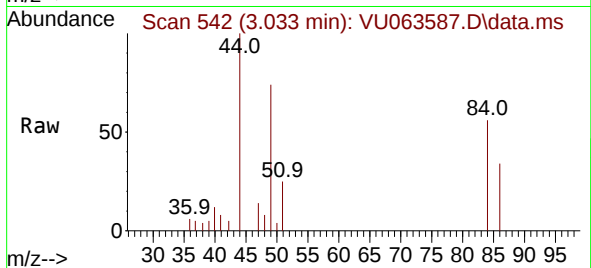
Tgt Ion: 43	Resp: 852
Ion Ratio	Lower Upper
43 100	
58 27.2	24.7 37.1



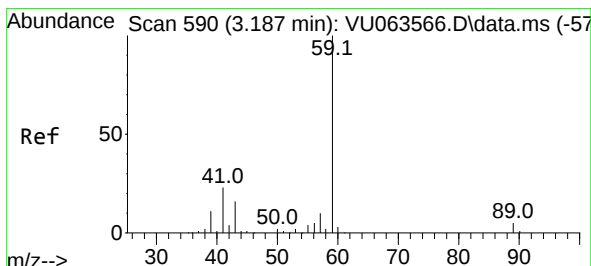
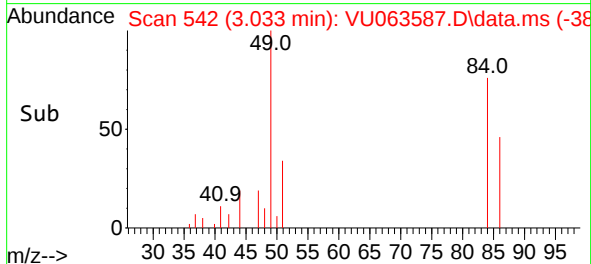
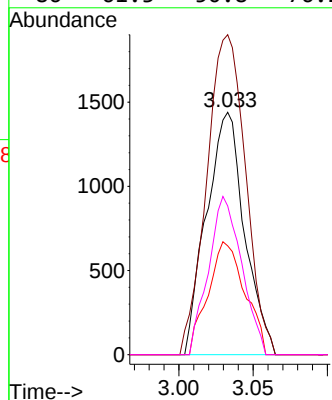


#15
Methylene Chloride
Concen: 0.230 ug/l
RT: 3.033 min Scan# 541
Delta R.T. 0.003 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

Instrument :
MSVOA_U
ClientSampleId :

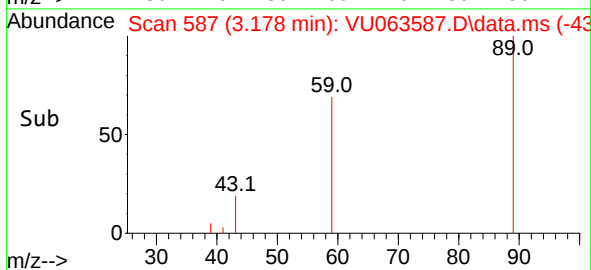
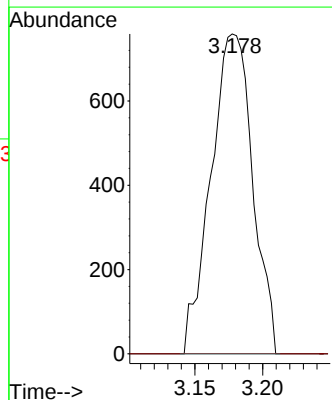
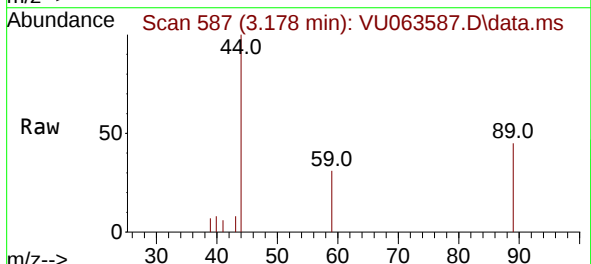


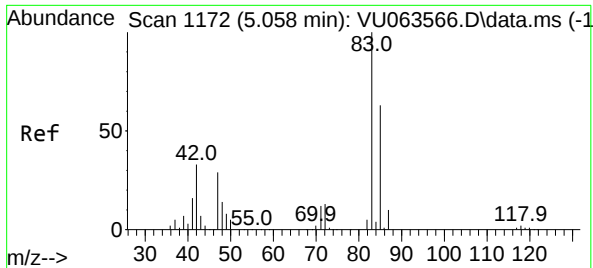
Tgt Ion: 84	Resp: 2569
Ion Ratio	Lower Upper
84	100
49	132.0 111.8 167.6
51	44.9 0.0 86.0
86	61.3 50.8 76.2



#24
tert-Butyl Alcohol
Concen: 1.642 ug/l
RT: 3.178 min Scan# 587
Delta R.T. -0.010 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

Tgt Ion: 59	Resp: 1628
Ion Ratio	Lower Upper
59	100
57	0.0 8.6 12.8#

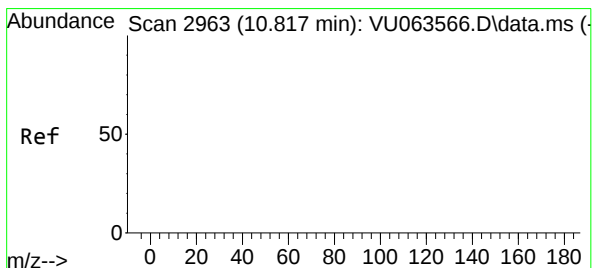
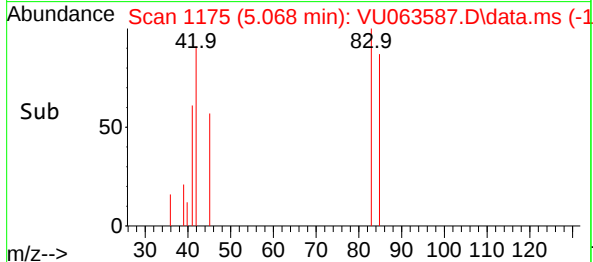
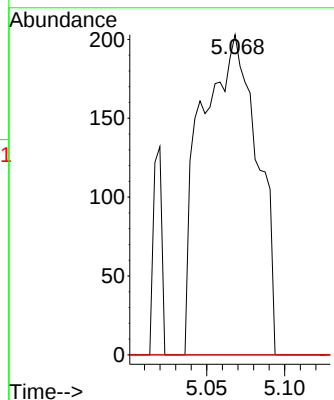
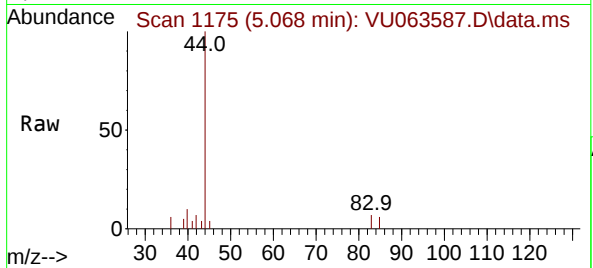




#41
Tetrahydrofuran
Concen: 0.214 ug/l
RT: 5.068 min Scan# 1172
Delta R.T. 0.010 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

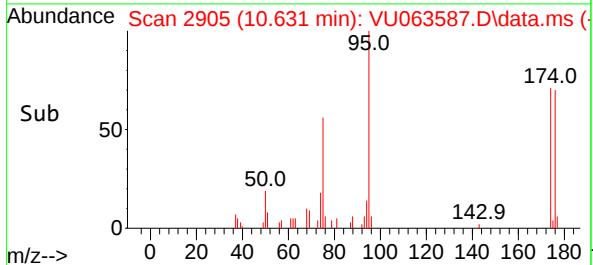
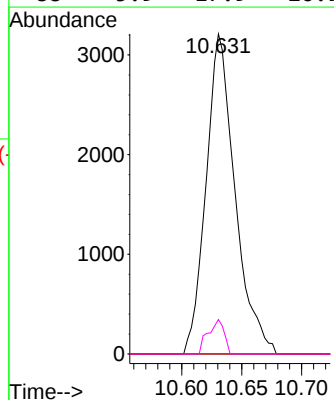
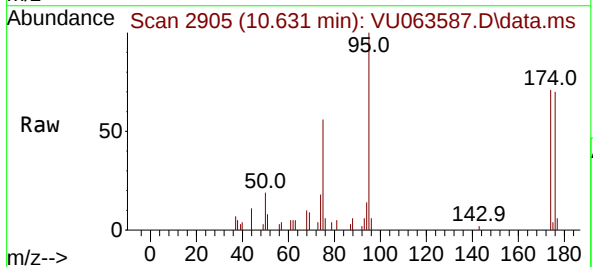
Instrument :
MSVOA_U
ClientSampleId :

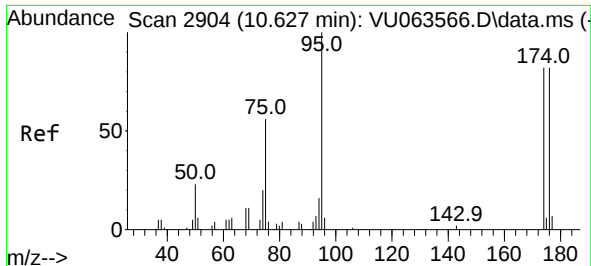
Tgt Ion: 42 Resp: 508
Ion Ratio Lower Upper
42 100
72 0.0 34.1 51.1#
71 0.0 29.9 44.9#



#46
t-1,4-Dichloro-2-butene
Concen: 2.140 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. -0.186 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

Tgt Ion: 75 Resp: 5398
Ion Ratio Lower Upper
75 100
53 0.0 43.2 64.8#
89 0.0 21.9 32.9#
88 5.9 17.9 26.9#

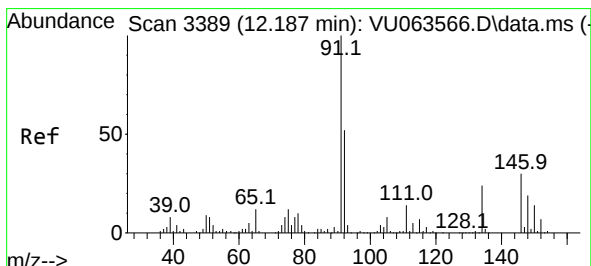
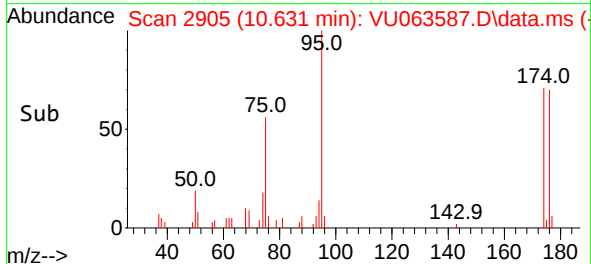
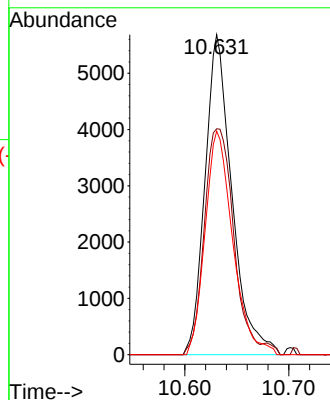
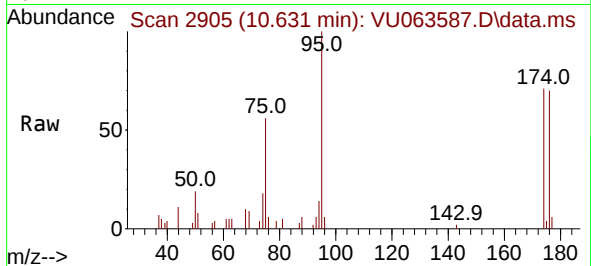




#57
4-Bromofluorobenzene
Concen: 0.846 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

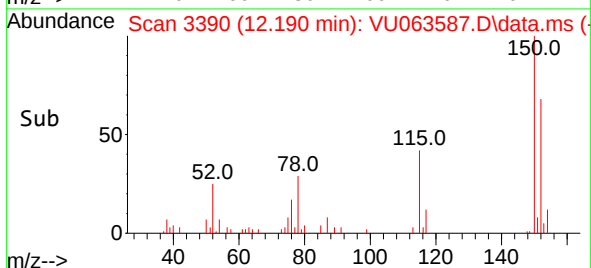
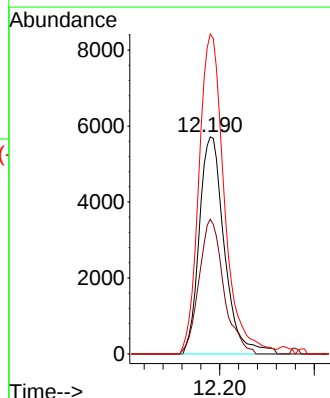
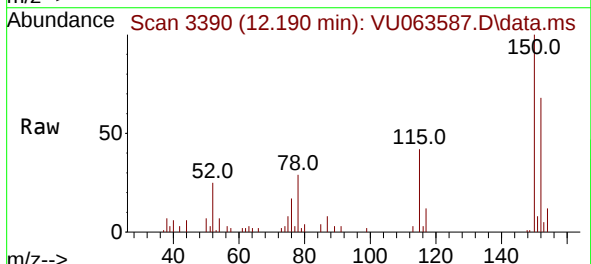
Instrument :
MSVOA_U
ClientSampleId :

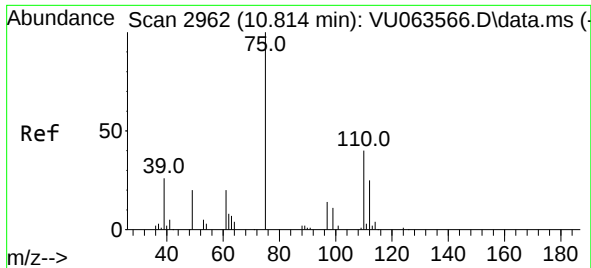
Tgt Ion: 95 Resp: 10203
Ion Ratio Lower Upper
95 100
174 76.5 64.7 97.1
176 71.8 66.2 99.4



#68
1,2-Dichlorobenzene-d4
Concen: 0.856 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.003 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

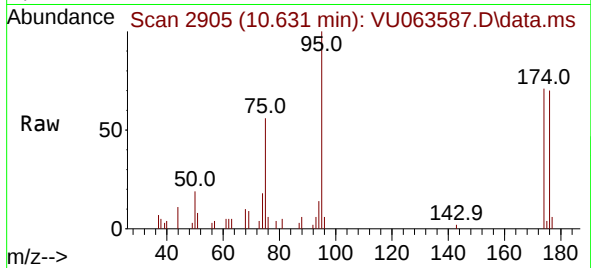
Tgt Ion:152 Resp: 10529
Ion Ratio Lower Upper
152 100
115 61.1 0.0 260.6
150 149.6 0.0 661.8



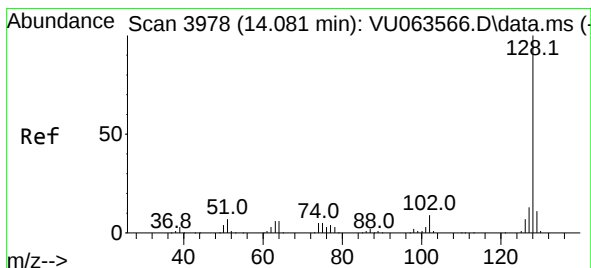
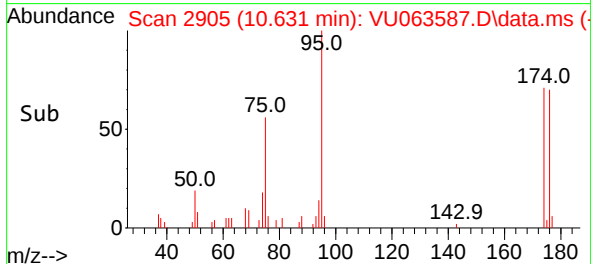
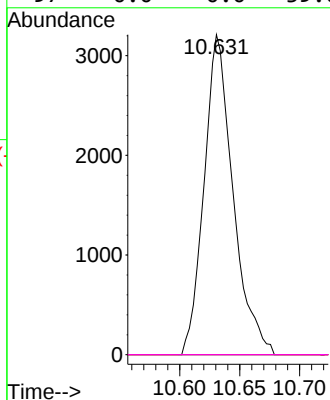


#71
1,2,3-Trichloropropane
Concen: 0.750 ug/l
RT: 10.631 min Scan# 2962
Delta R.T. -0.183 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 5398
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#
110 0.0 0.0 77.6
97 0.0 0.0 39.6



#89
Naphthalene
Concen: 0.265 ug/l
RT: 14.097 min Scan# 3983
Delta R.T. 0.016 min
Lab File: VU063587.D
Acq: 16 Sep 2025 10:53

Tgt Ion:128 Resp: 6038
Ion Ratio Lower Upper
128 100
127 8.2 10.2 15.4#
129 5.4 8.6 13.0#

