

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
 Data File : VU063583.D
 Acq On : 15 Sep 2025 17:15
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 16 04:58:49 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)

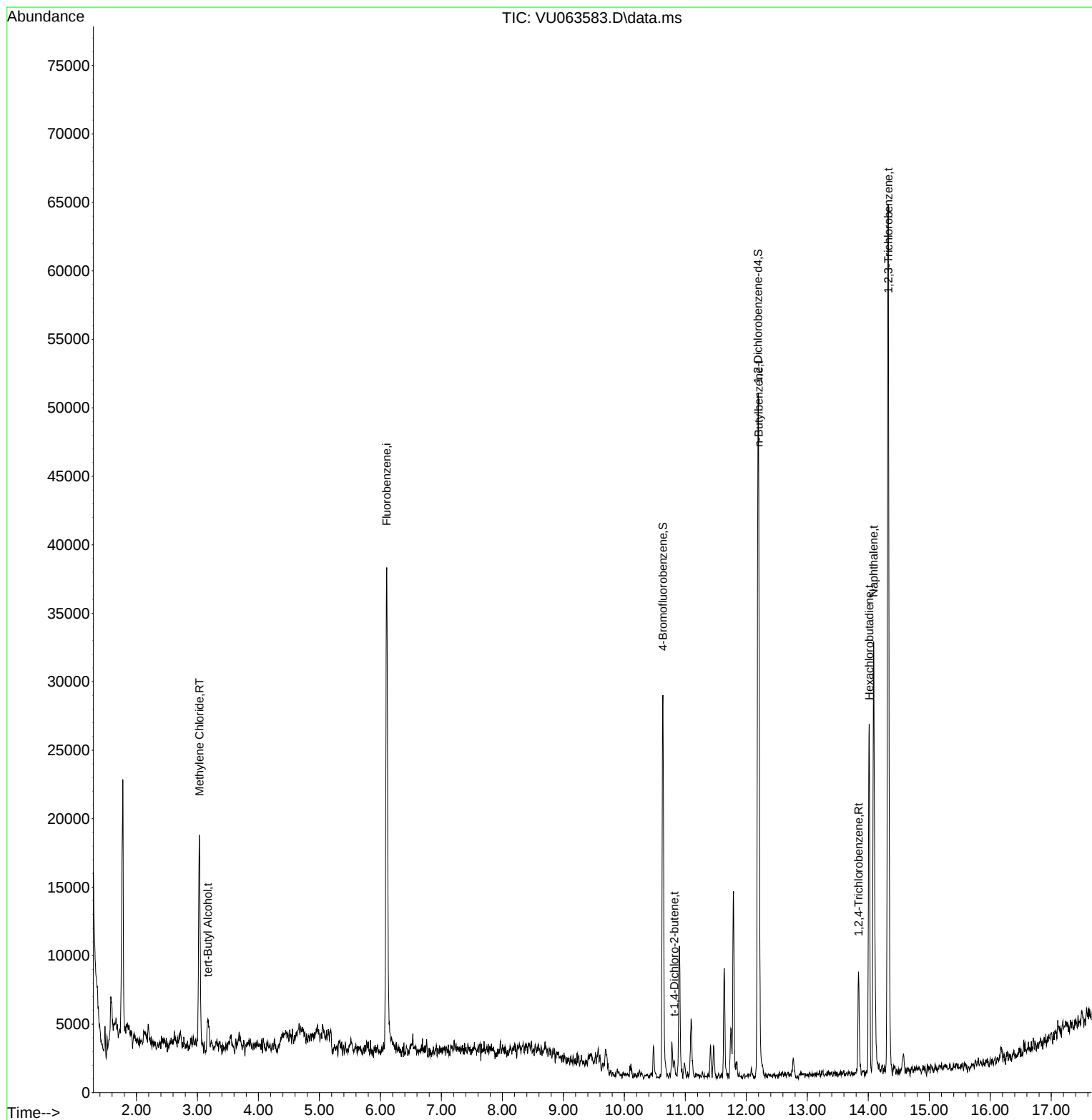
Internal Standards						
1) Fluorobenzene	6.100	96	30624	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	10266	0.900	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10933	0.940	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
						Qvalue
15) Methylene Chloride	3.033	84	6358	0.603	ug/l	97
24) tert-Butyl Alcohol	3.171	59	1280	1.365	ug/l #	82
46) t-1,4-Dichloro-2-butene	10.817	75	727	0.305	ug/l #	46
84) n-Butylbenzene	12.203	91	13750	0.373	ug/l	97
87) 1,2,4-Trichlorobenzene	13.843	180	2672	0.219	ug/l	96
88) Hexachlorobutadiene	14.016	225	4377	0.577	ug/l	95
89) Naphthalene	14.087	128	30377	1.410	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	21045	1.820	ug/l	97

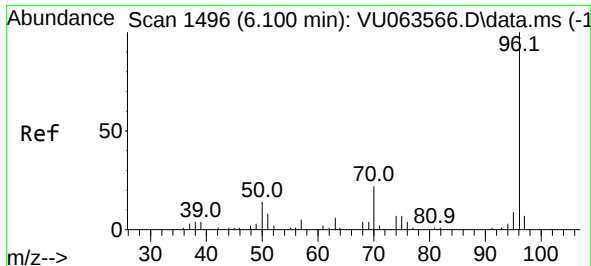
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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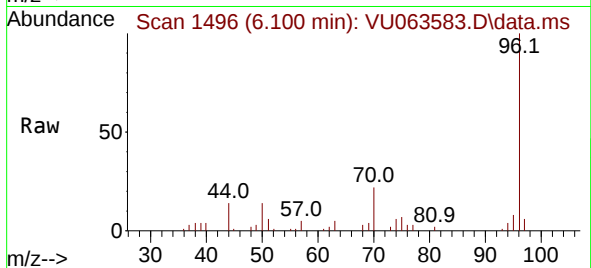
Quant Time: Sep 16 04:58:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
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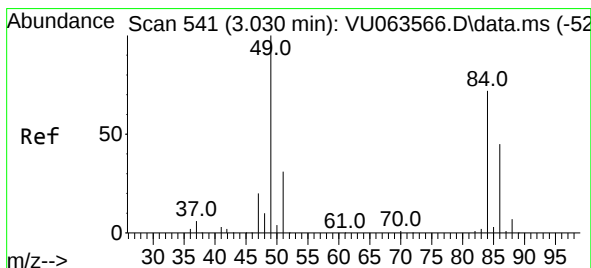
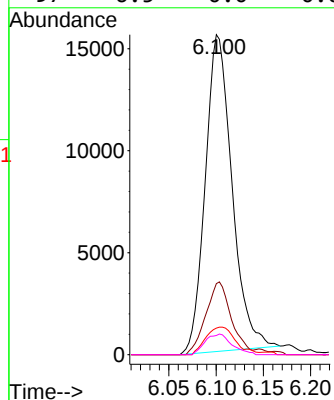
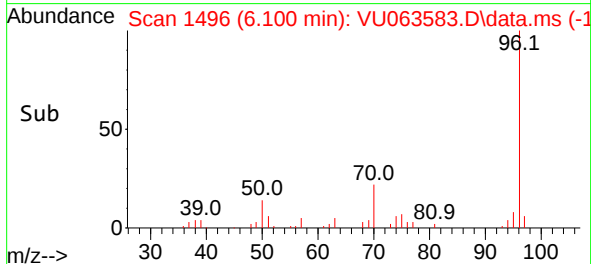


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

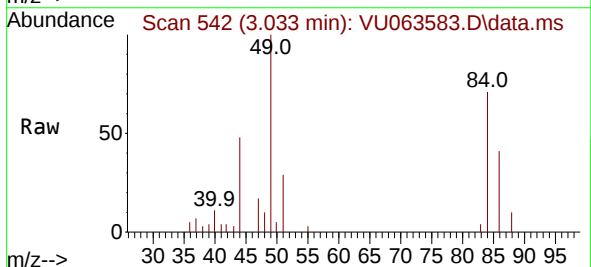
Instrument :
MSVOA_U
ClientSampleId :



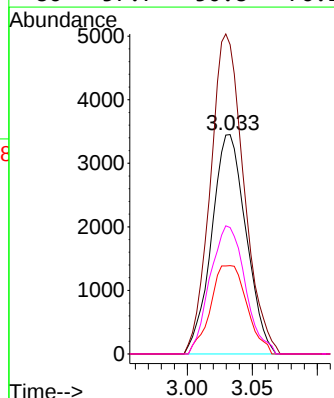
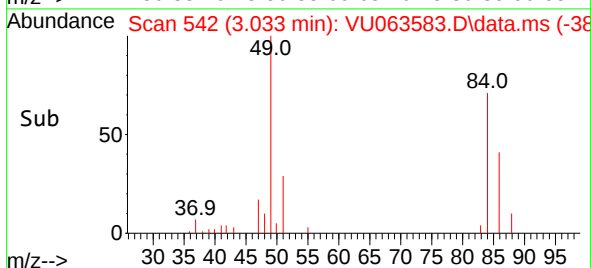
Tgt Ion: 96	Resp: 30624
Ion Ratio	Lower Upper
96 100	
70 20.3	15.5 23.3
95 8.9	7.7 11.5
97 6.5	0.0 0.0#

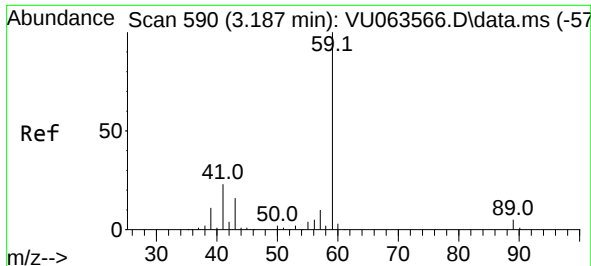


#15
Methylene Chloride
Concen: 0.603 ug/l
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15



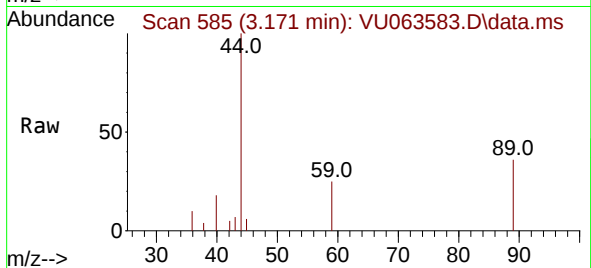
Tgt Ion: 84	Resp: 6358
Ion Ratio	Lower Upper
84 100	
49 141.0	111.8 167.6
51 40.2	0.0 86.0
86 57.7	50.8 76.2



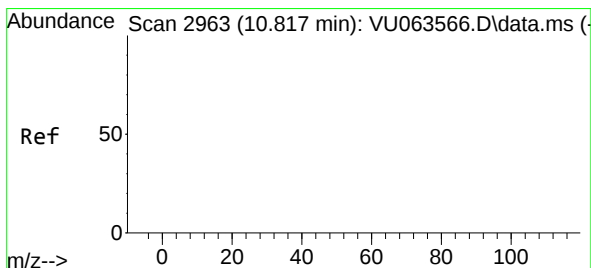
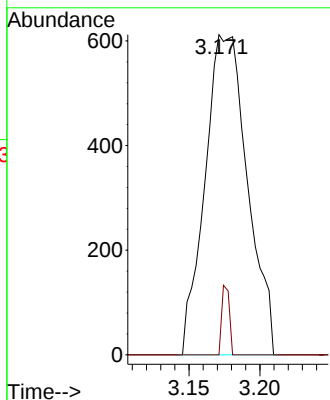
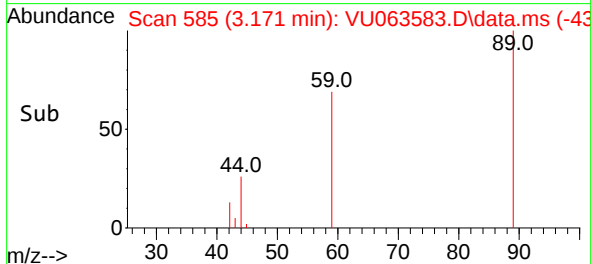


#24
tert-Butyl Alcohol
Concen: 1.365 ug/l
RT: 3.171 min Scan# 585
Delta R.T. -0.016 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Instrument :
MSVOA_U
ClientSampleId :

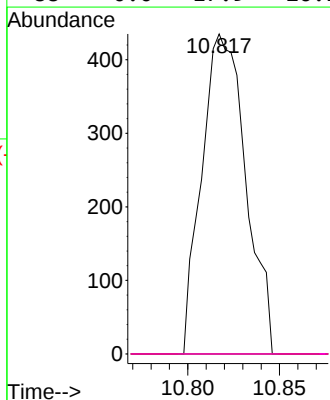
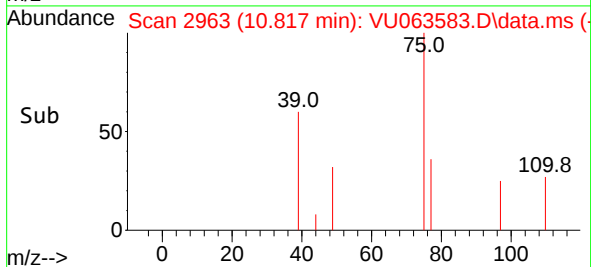
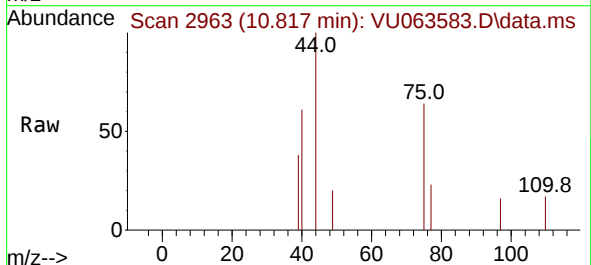


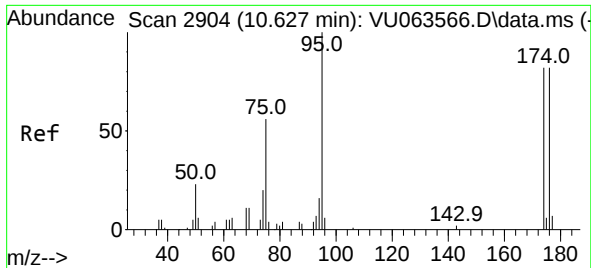
Tgt Ion: 59 Resp: 1280
Ion Ratio Lower Upper
59 100
57 3.8 8.6 12.8#



#46
t-1,4-Dichloro-2-butene
Concen: 0.305 ug/l
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 75 Resp: 727
Ion Ratio Lower Upper
75 100
53 0.0 43.2 64.8#
89 36.0 21.9 32.9#
88 0.0 17.9 26.9#

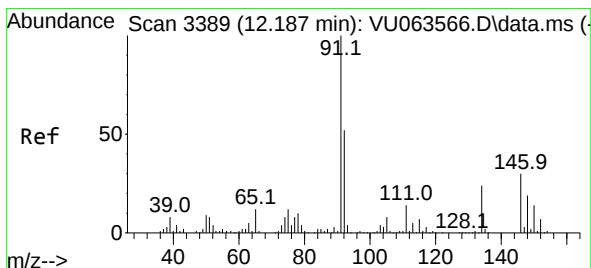
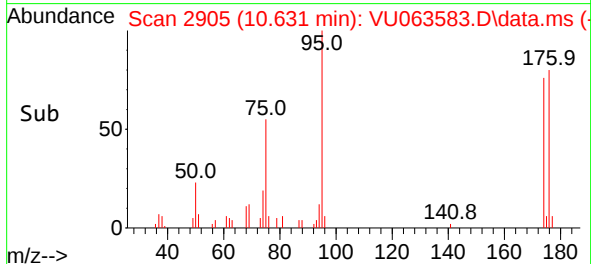
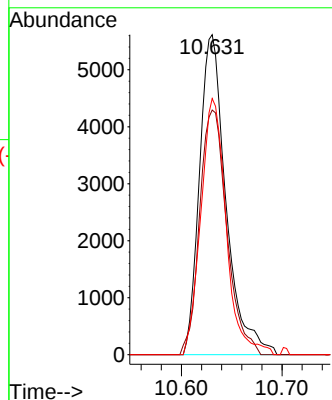
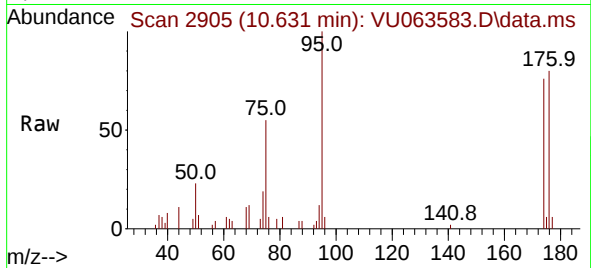




#57
 4-Bromofluorobenzene
 Concen: 0.900 ug/l
 RT: 10.631 min Scan# 2905
 Delta R.T. 0.003 min
 Lab File: VU063583.D
 Acq: 15 Sep 2025 17:15

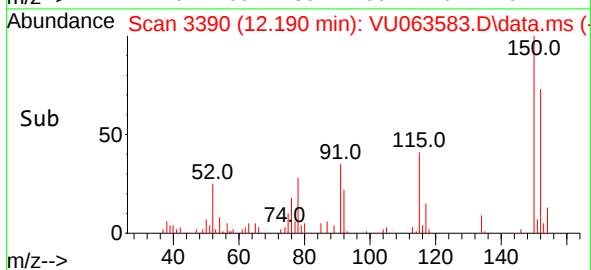
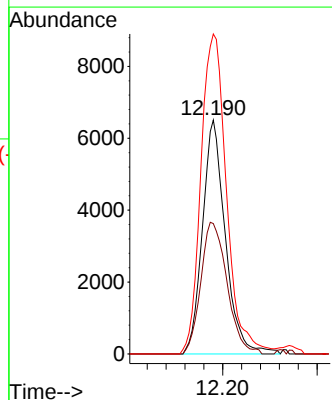
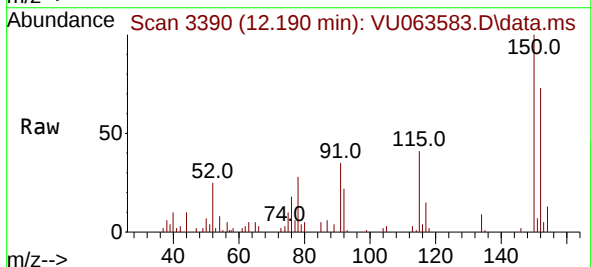
Instrument :
 MSVOA_U
 ClientSampleId :

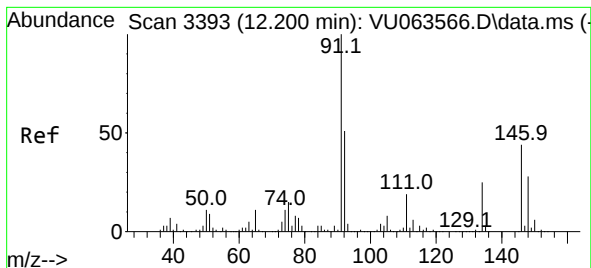
Tgt Ion: 95 Resp: 10266
 Ion Ratio Lower Upper
 95 100
 174 78.6 64.7 97.1
 176 76.7 66.2 99.4



#68
 1,2-Dichlorobenzene-d4
 Concen: 0.940 ug/l
 RT: 12.190 min Scan# 3390
 Delta R.T. 0.003 min
 Lab File: VU063583.D
 Acq: 15 Sep 2025 17:15

Tgt Ion: 152 Resp: 10933
 Ion Ratio Lower Upper
 152 100
 115 64.5 0.0 260.6
 150 153.1 0.0 661.8





#84

n-Butylbenzene

Concen: 0.373 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063583.D

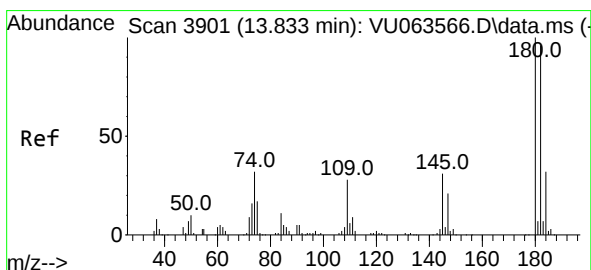
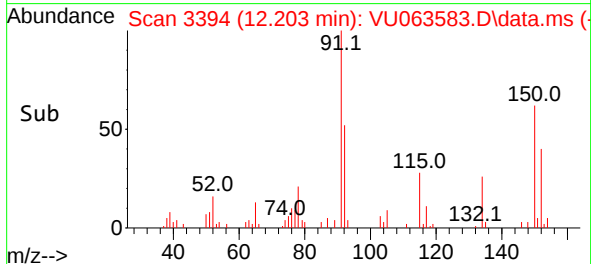
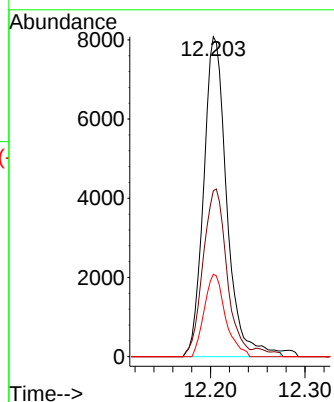
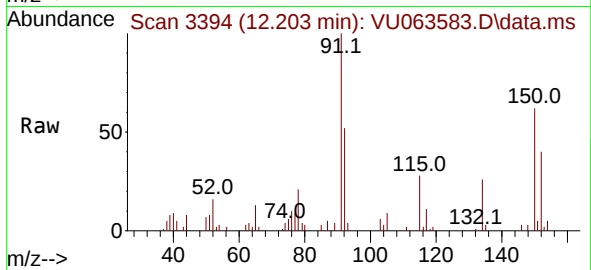
Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	91	Resp:	13750
Ion	Ratio	Lower	Upper
91	100		
92	54.2	41.3	61.9
134	23.6	19.9	29.9



#87

1,2,4-Trichlorobenzene

Concen: 0.219 ug/l

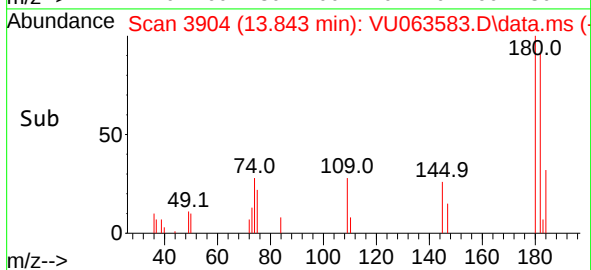
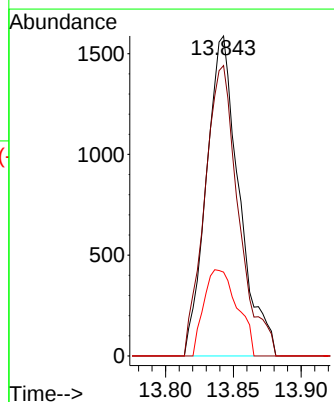
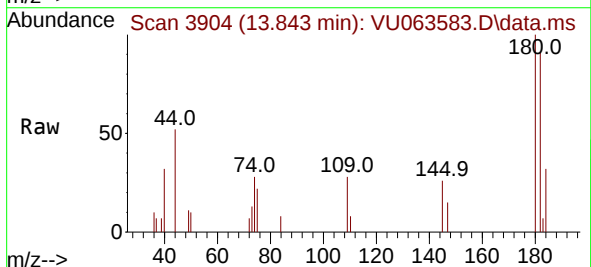
RT: 13.843 min Scan# 3904

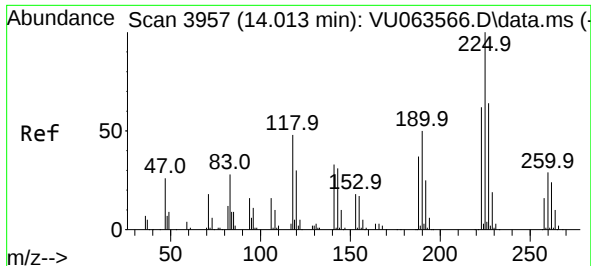
Delta R.T. 0.010 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Tgt Ion:	180	Resp:	2672
Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.1	115.7
145	27.4	25.0	37.4

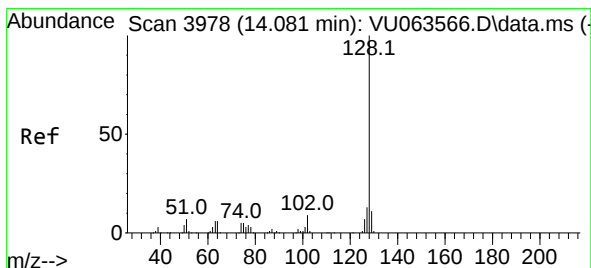
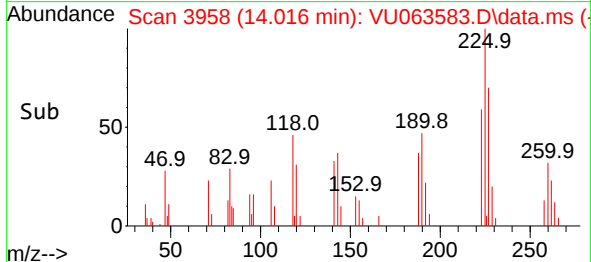
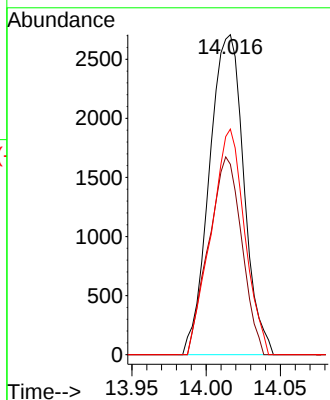
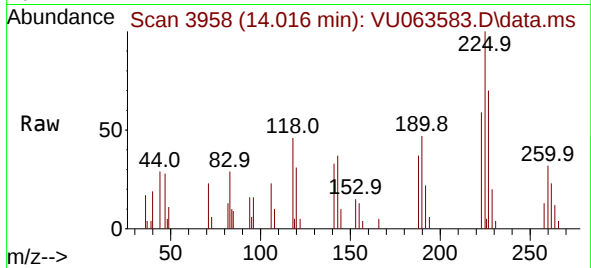




#88
Hexachlorobutadiene
Concen: 0.577 ug/l
RT: 14.016 min Scan# 3957
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

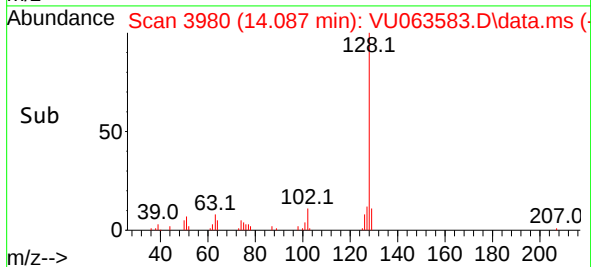
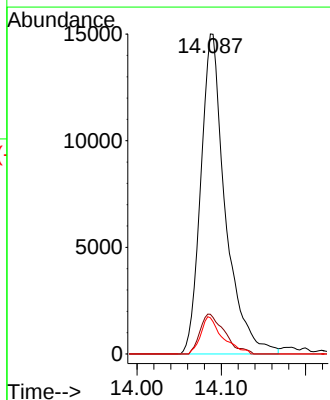
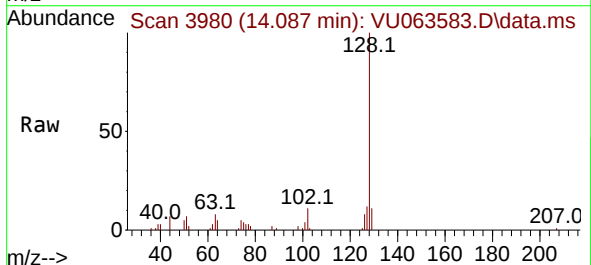
Instrument :
MSVOA_U
ClientSampleId :

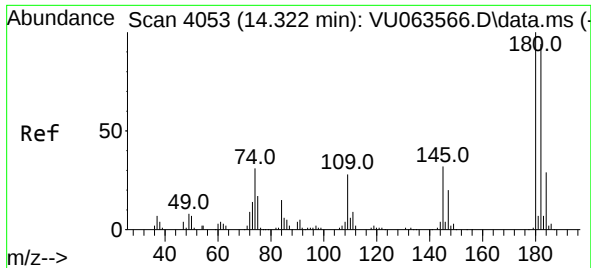
Tgt Ion	225	Ratio	100	Lower	Upper
225	100				
223	59.1		50.2	75.2	
227	68.6		51.6	77.4	



#89
Naphthalene
Concen: 1.410 ug/l
RT: 14.087 min Scan# 3980
Delta R.T. 0.007 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion	128	Ratio	100	Lower	Upper
128	100				
127	12.5		10.2	15.4	
129	10.3		8.6	13.0	





#90

1,2,3-Trichlorobenzene

Concen: 1.820 ug/l

RT: 14.328 min Scan# 40

Delta R.T. 0.006 min

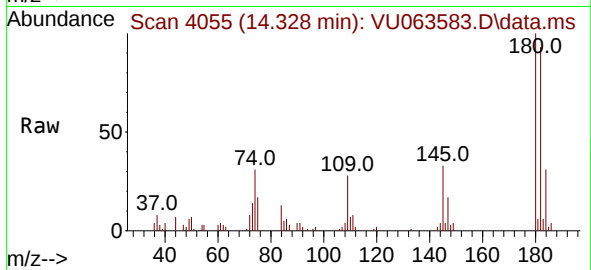
Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 21045

Ion Ratio Lower Upper

180 100

182 93.5 76.8 115.2

145 34.8 26.6 40.0

