

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063541.D
 Acq On : 18 Jul 2025 17:25
 Operator : MD/SY
 Sample : Q2552-07DL 5X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS0725-PT-RVOA-WSDL

Quant Time: Jul 18 23:52:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

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

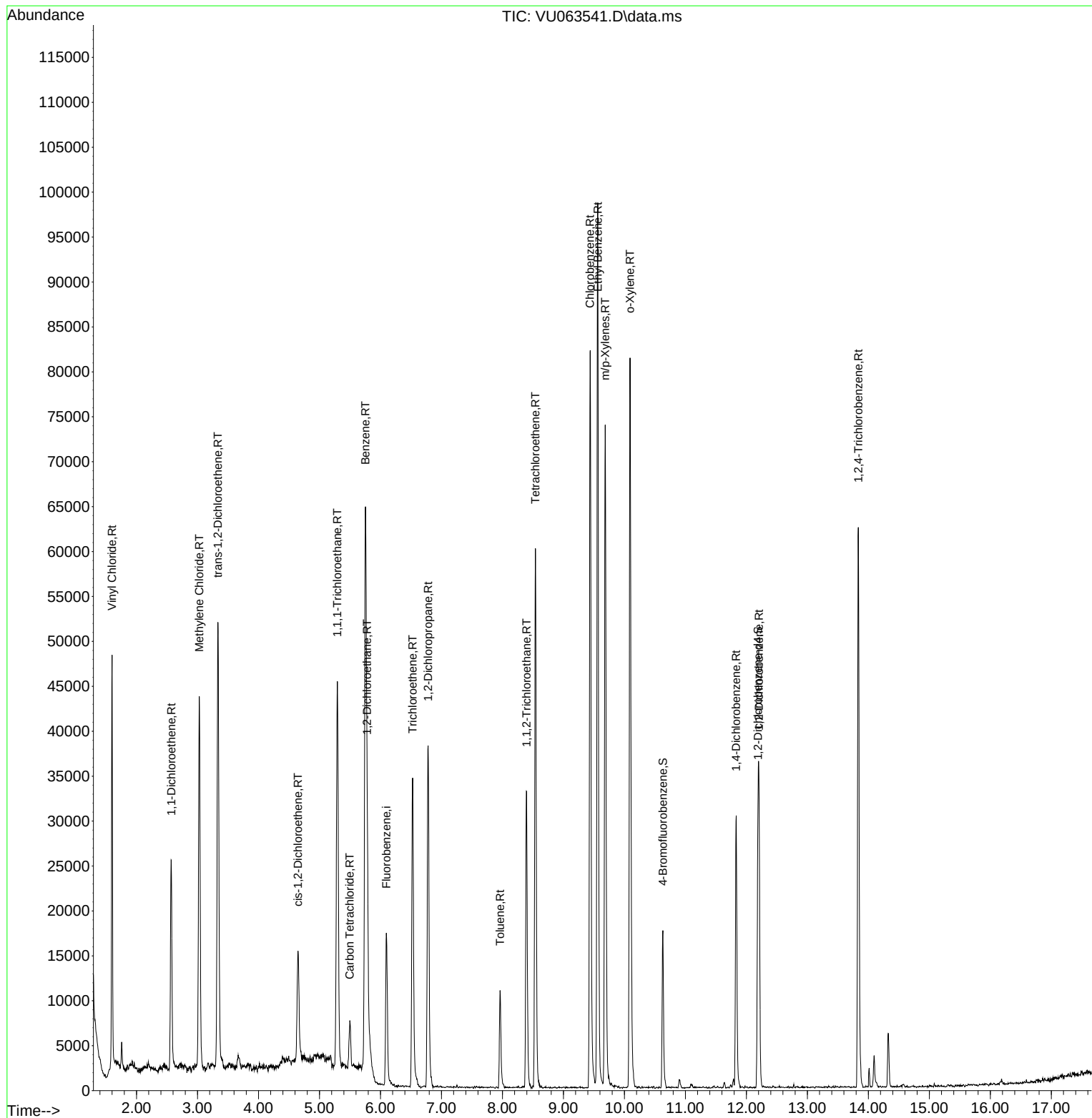
Internal Standards						
1) Fluorobenzene	6.097	96	16405	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	6421	1.034	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	5884	1.024	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.599	62	28569	4.989	ug/l	99
9) 1,1-Dichloroethene	2.570	96	7910	1.857	ug/l	93
15) Methylene Chloride	3.030	84	18061	3.602	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	20327	4.202	ug/l	98
22) cis-1,2-Dichloroethene	4.650	96	6421	1.223	ug/l	87
28) 1,1,1-Trichloroethane	5.293	97	29732	3.829	ug/l	99
30) Carbon Tetrachloride	5.496	117	3051	0.488	ug/l	98
35) Benzene	5.753	78	62135	3.215	ug/l	98
36) 1,2-Dichloroethane	5.782	62	18106	3.015	ug/l	96
37) Trichloroethene	6.528	130	12102	2.454	ug/l	90
38) 1,2-Dichloropropane	6.782	63	15126	3.344	ug/l	99
49) Toluene	7.962	92	5105	0.484	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	10566	3.349	ug/l	97
58) Tetrachloroethene	8.541	164	12701	2.814	ug/l	97
59) Chlorobenzene	9.438	112	46978	3.876	ug/l	99
63) Ethyl Benzene	9.563	91	72286	3.466	ug/l	97
64) m/p-Xylenes	9.685	106	22061	2.721	ug/l	100
65) o-Xylene	10.094	106	21152	2.715	ug/l	94
83) 1,4-Dichlorobenzene	11.833	146	12497	1.284	ug/l	96
85) 1,2-Dichlorobenzene	12.206	146	11072	1.212	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	19064	3.356	ug/l	99

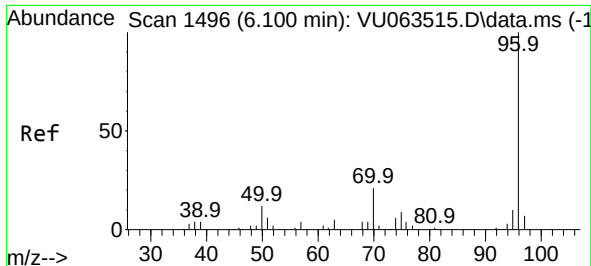
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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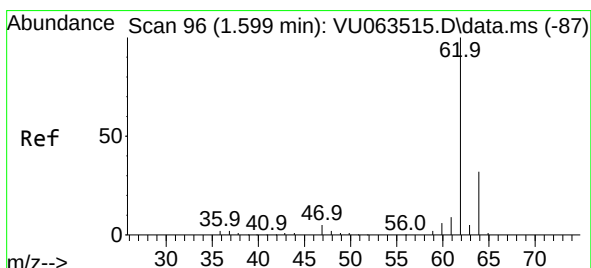
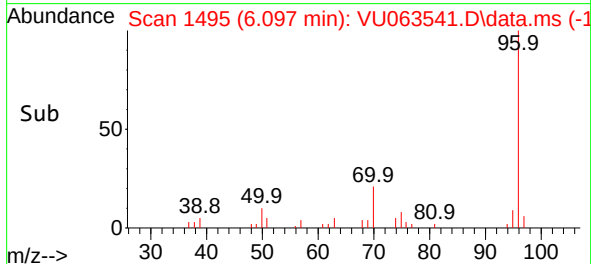
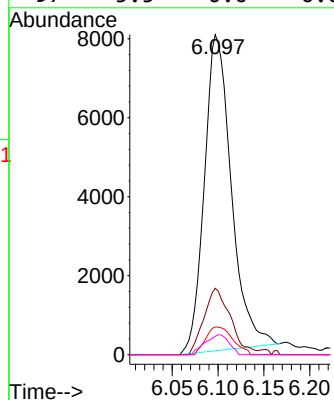
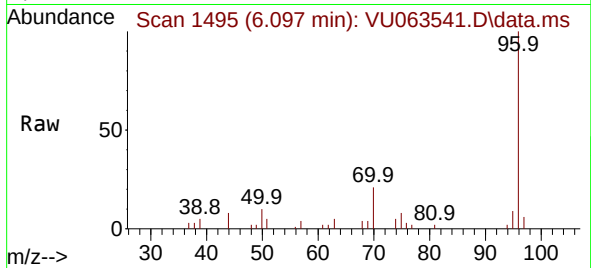




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.097 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

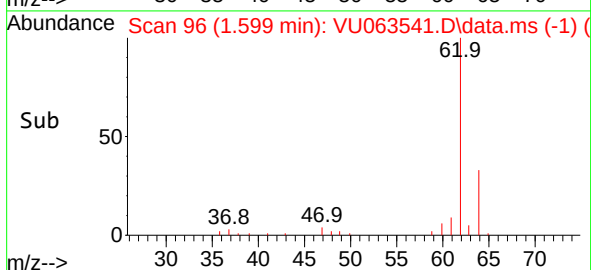
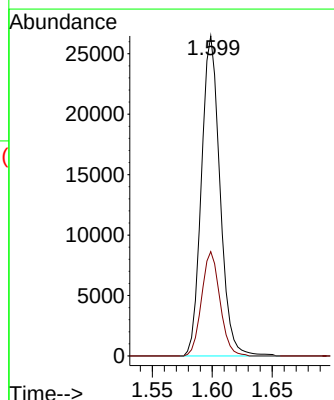
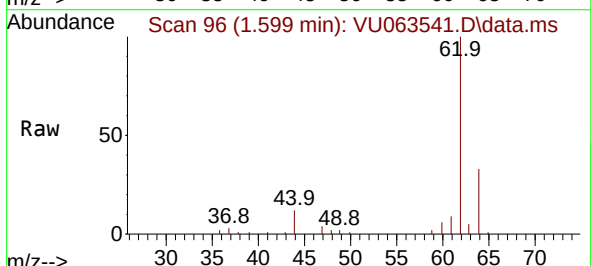
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

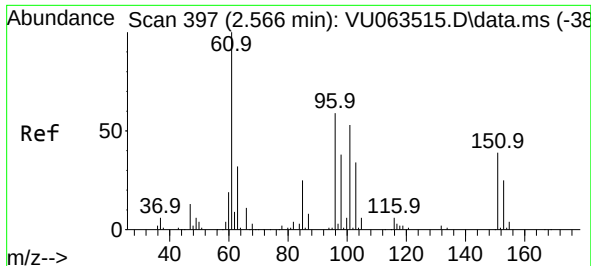
Tgt Ion:	96	Resp:	16405
Ion	Ratio	Lower	Upper
96	100		
70	19.2	15.0	22.4
95	8.7	7.4	11.0
97	5.5	0.0	0.0



#4
Vinyl Chloride
Concen: 4.989 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion:	62	Resp:	28569
Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.7	38.5

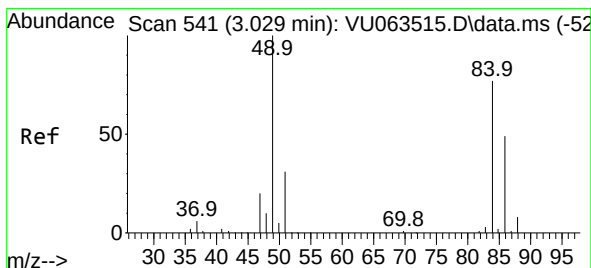
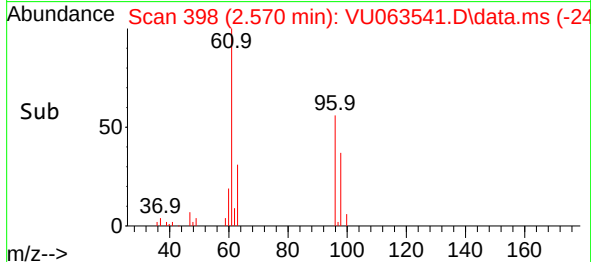
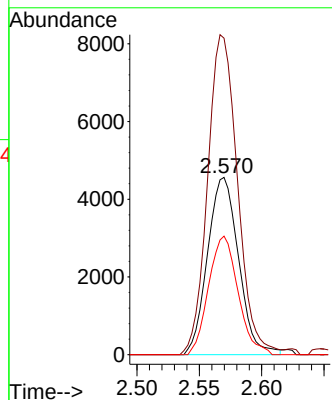
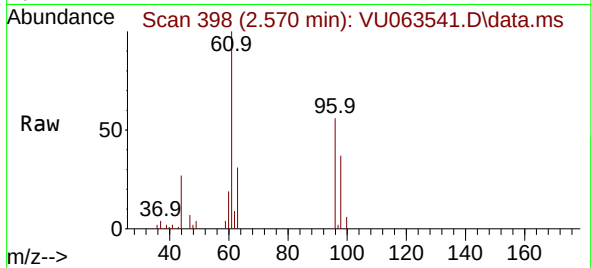




#9
1,1-Dichloroethene
Concen: 1.857 ug/l
RT: 2.570 min Scan# 397
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

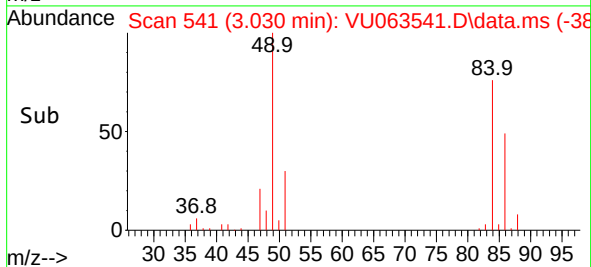
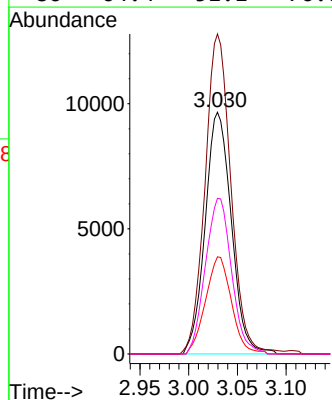
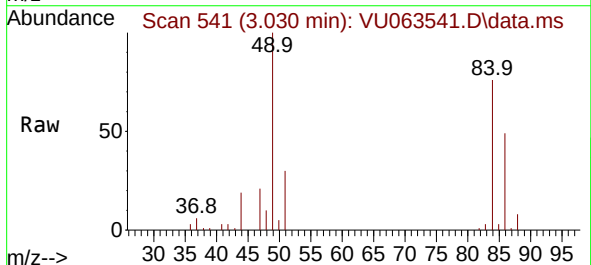
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

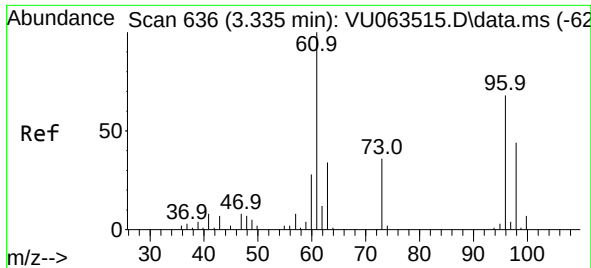
Tgt Ion: 96 Resp: 7910
Ion Ratio Lower Upper
96 100
61 178.5 0.0 504.3
98 66.9 0.0 126.8



#15
Methylene Chloride
Concen: 3.602 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 84 Resp: 18061
Ion Ratio Lower Upper
84 100
49 132.4 103.8 155.8
51 40.2 0.0 80.4
86 64.4 51.1 76.7

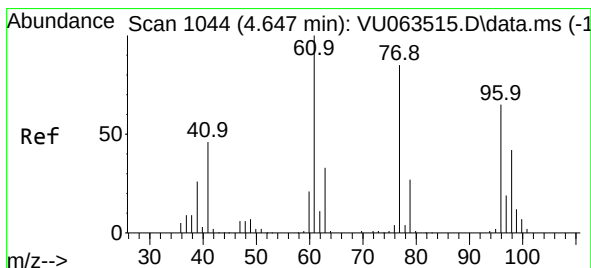
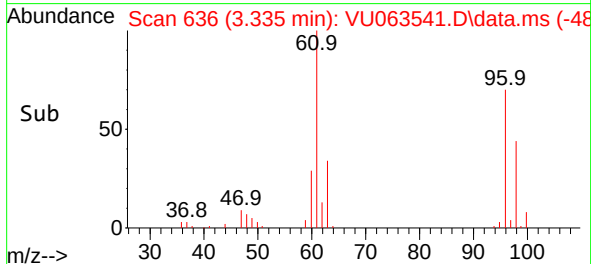
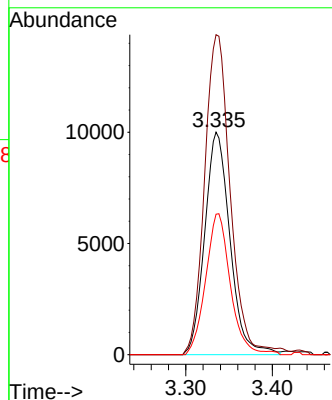
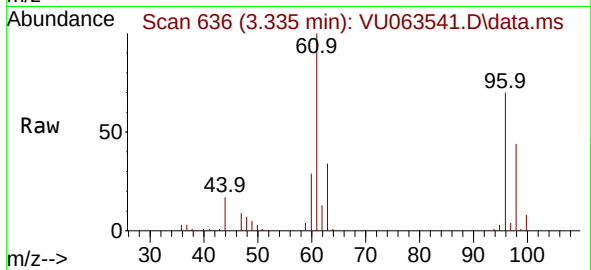




#16
trans-1,2-Dichloroethene
Concen: 4.202 ug/l
RT: 3.335 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

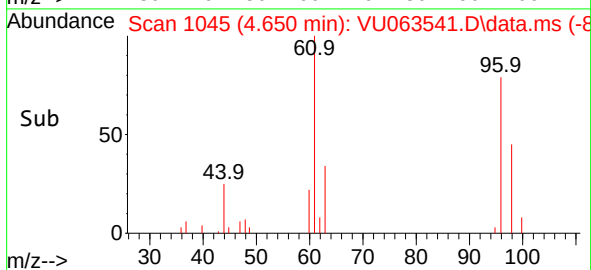
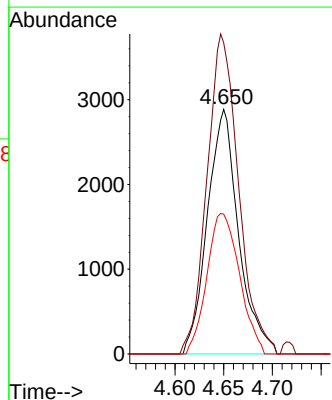
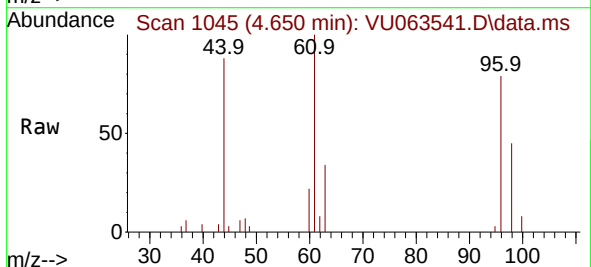
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

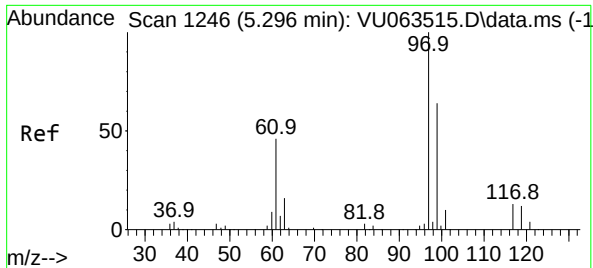
Tgt Ion: 96 Resp: 20327
Ion Ratio Lower Upper
96 100
61 143.8 117.2 175.8
98 63.1 51.4 77.2



#22
cis-1,2-Dichloroethene
Concen: 1.223 ug/l
RT: 4.650 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 96 Resp: 6421
Ion Ratio Lower Upper
96 100
61 132.5 0.0 384.7
98 60.0 32.1 96.3

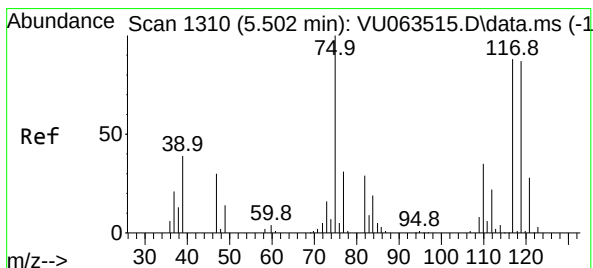
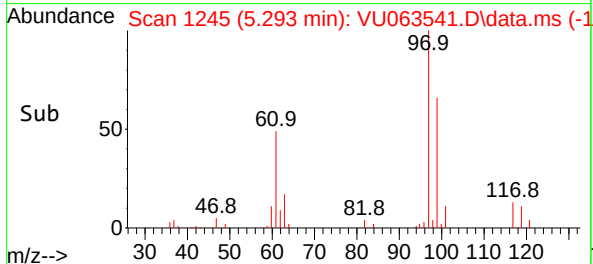
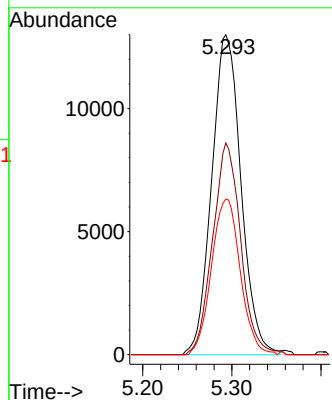
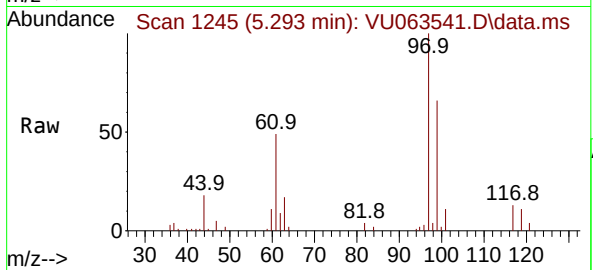




#28
1,1,1-Trichloroethane
Concen: 3.829 ug/l
RT: 5.293 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

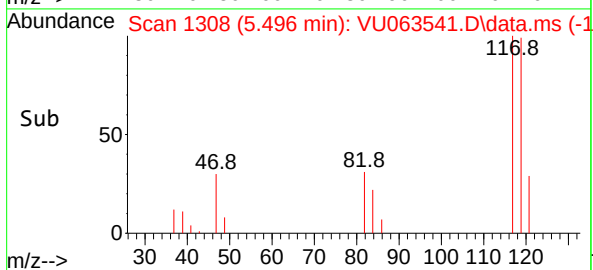
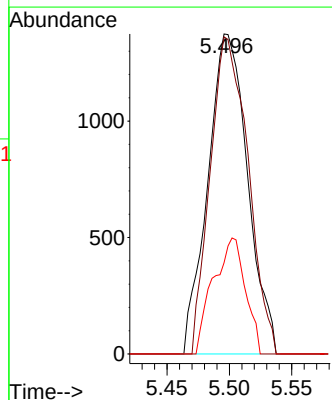
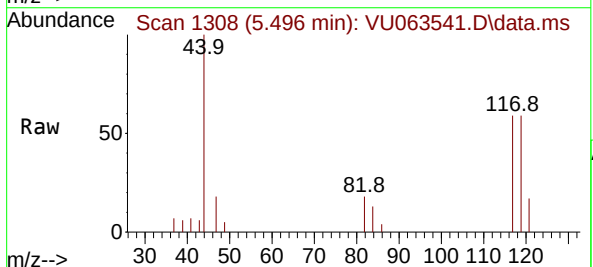
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

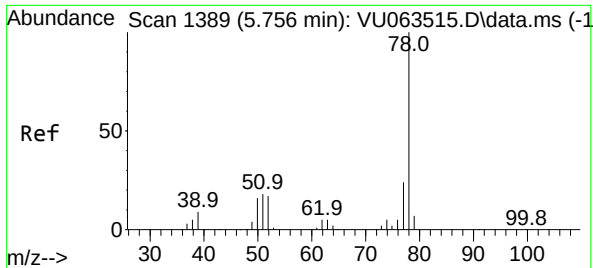
Tgt Ion: 97	Resp:	29732
Ion Ratio	Lower	Upper
97	100	
99	63.2	31.8 95.3
61	47.8	23.3 69.9



#30
Carbon Tetrachloride
Concen: 0.488 ug/l
RT: 5.496 min Scan# 1308
Delta R.T. -0.006 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 117	Resp:	3051
Ion Ratio	Lower	Upper
117	100	
119	99.1	79.2 118.8
121	28.5	25.5 38.3

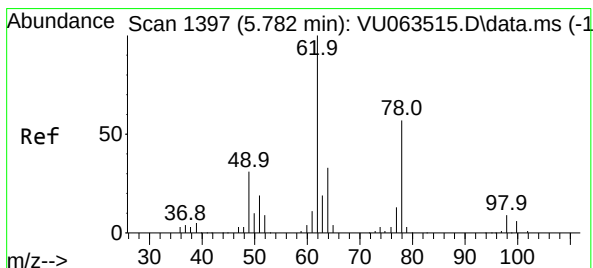
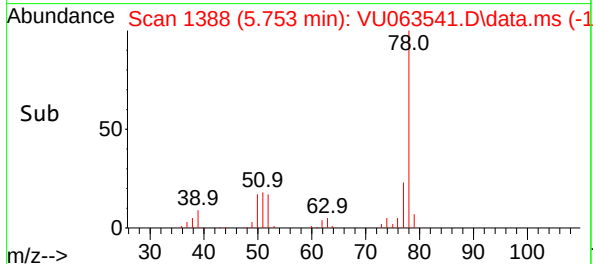
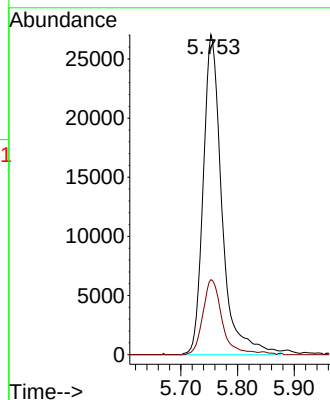
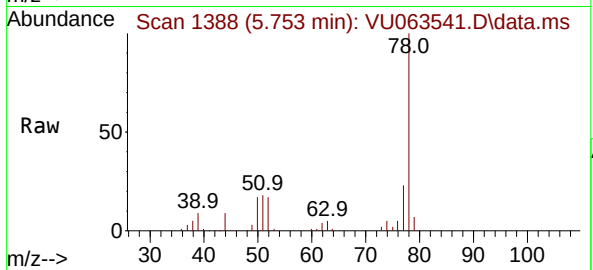




#35
Benzene
Concen: 3.215 ug/l
RT: 5.753 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

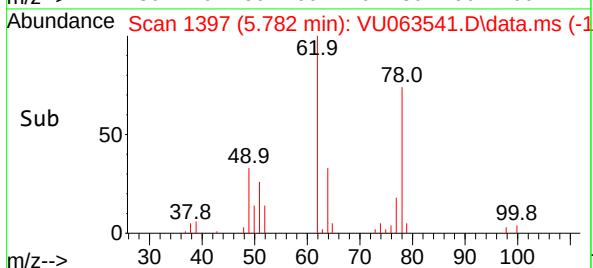
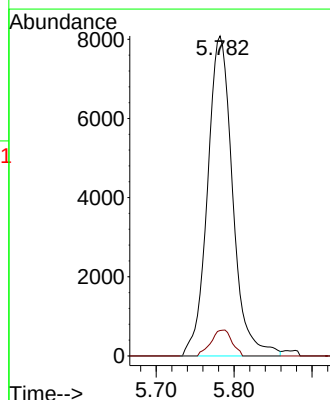
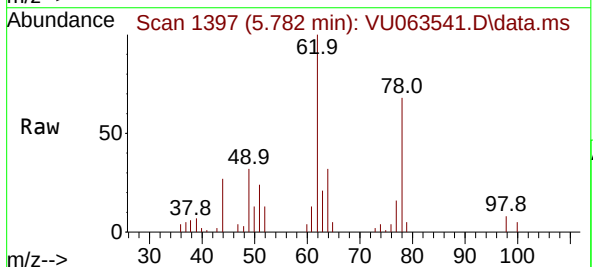
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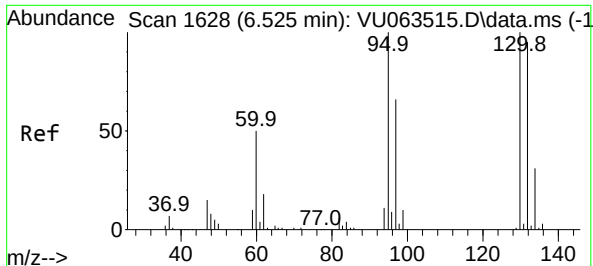
Tgt Ion: 78 Resp: 62135
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.2



#36
1,2-Dichloroethane
Concen: 3.015 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 62 Resp: 18106
Ion Ratio Lower Upper
62 100
98 6.7 6.4 9.6





#37

Trichloroethene

Concen: 2.454 ug/l

RT: 6.528 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063541.D

Acq: 18 Jul 2025 17:25

Instrument :

MSVOA_U

ClientSampleId :

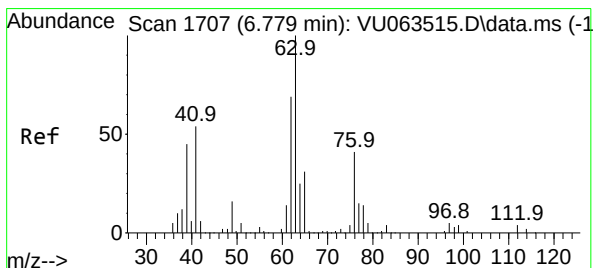
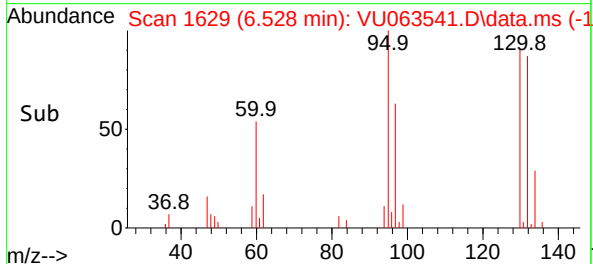
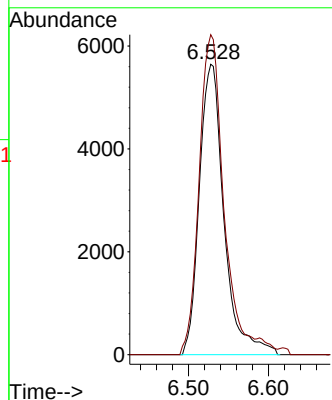
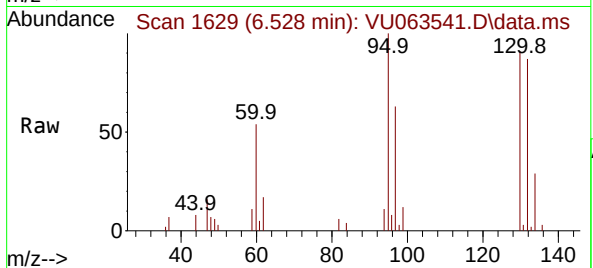
WS0725-PT-RVOA-WSDL

Tgt Ion:130 Resp: 12102

Ion Ratio Lower Upper

130 100

95 110.2 80.3 120.5



#38

1,2-Dichloropropane

Concen: 3.344 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063541.D

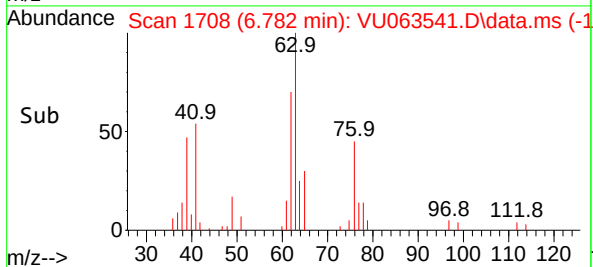
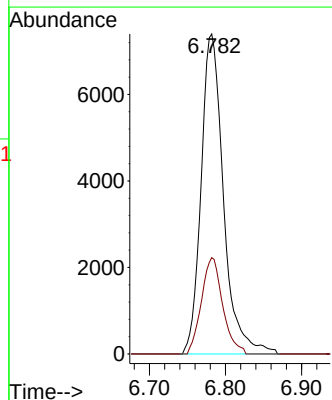
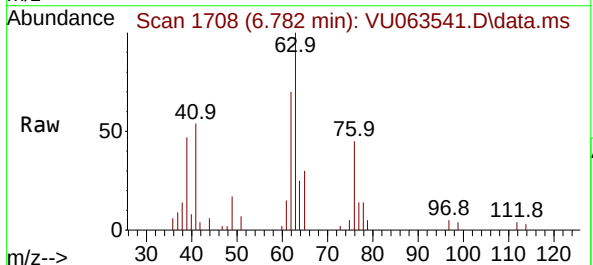
Acq: 18 Jul 2025 17:25

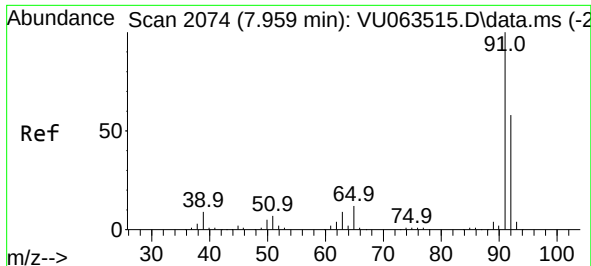
Tgt Ion: 63 Resp: 15126

Ion Ratio Lower Upper

63 100

65 30.1 24.6 36.8





#49

Toluene

Concen: 0.484 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063541.D

Acq: 18 Jul 2025 17:25

Instrument :

MSVOA_U

ClientSampleId :

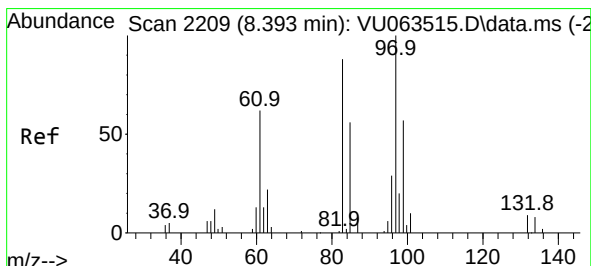
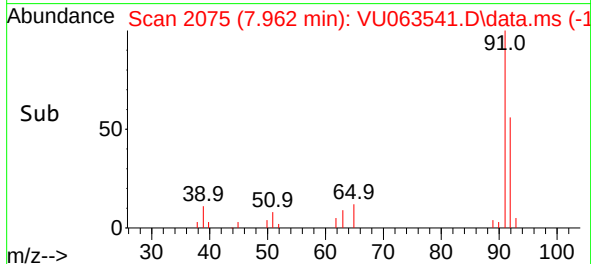
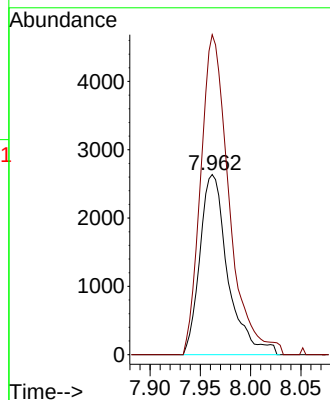
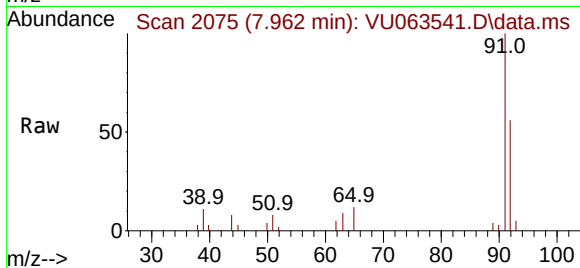
WS0725-PT-RVOA-WSDL

Tgt Ion: 92 Resp: 5105

Ion Ratio Lower Upper

92 100

91 180.1 140.4 210.6



#52

1,1,2-Trichloroethane

Concen: 3.349 ug/l

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU063541.D

Acq: 18 Jul 2025 17:25

Tgt Ion: 97 Resp: 10566

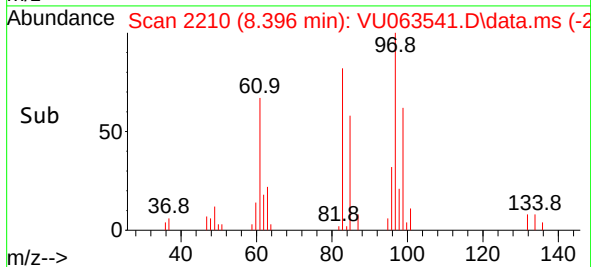
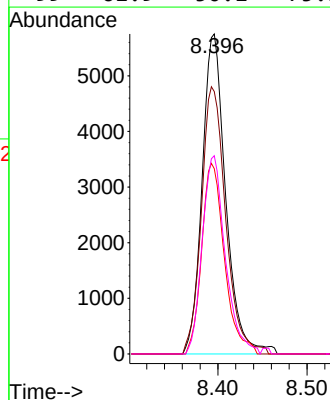
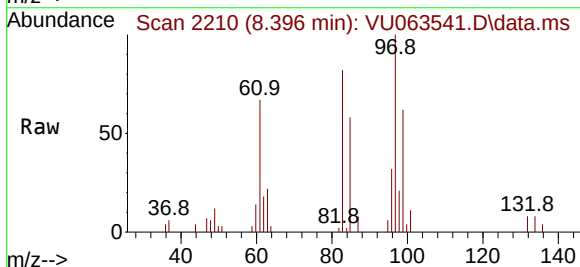
Ion Ratio Lower Upper

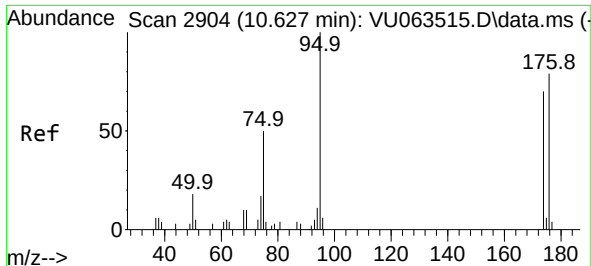
97 100

83 82.0 70.2 105.2

85 57.9 45.2 67.8

99 61.9 50.1 75.1





#57

4-Bromofluorobenzene

Concen: 1.034 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU063541.D

Acq: 18 Jul 2025 17:25

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-RVOA-WSDL

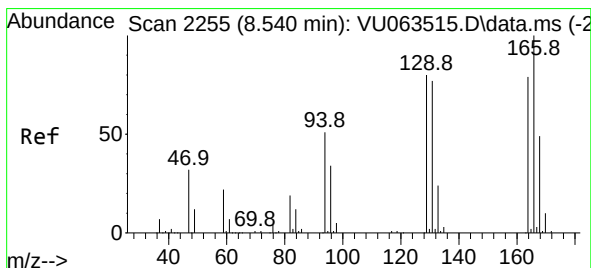
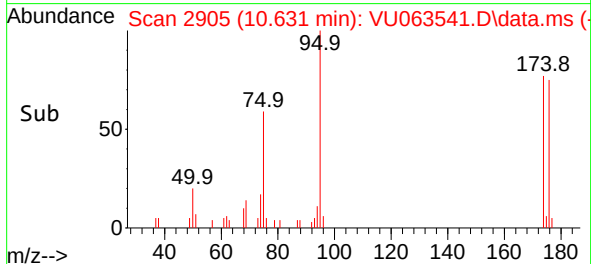
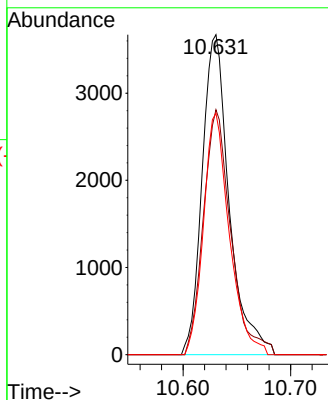
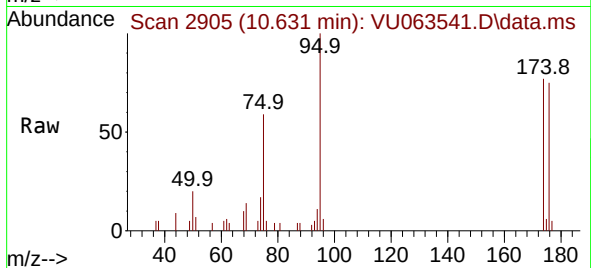
Tgt Ion: 95 Resp: 6421

Ion Ratio Lower Upper

95 100

174 77.6 59.8 89.8

176 72.3 61.8 92.8



#58

Tetrachloroethene

Concen: 2.814 ug/l

RT: 8.541 min Scan# 2255

Delta R.T. 0.000 min

Lab File: VU063541.D

Acq: 18 Jul 2025 17:25

Tgt Ion: 164 Resp: 12701

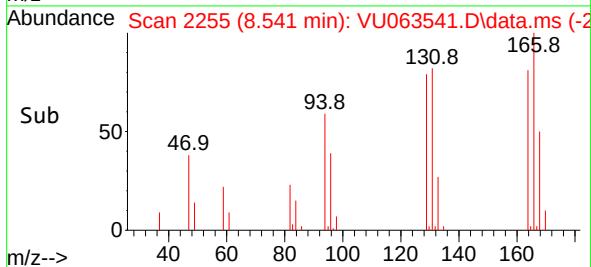
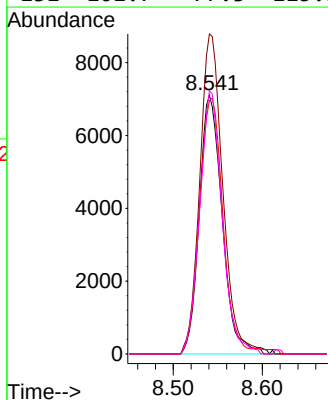
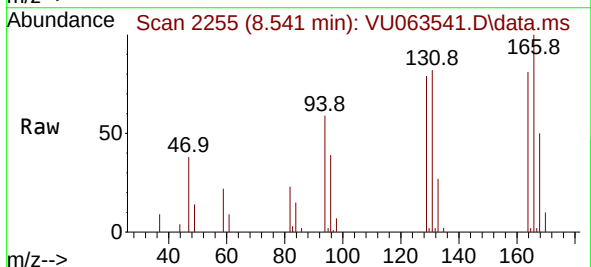
Ion Ratio Lower Upper

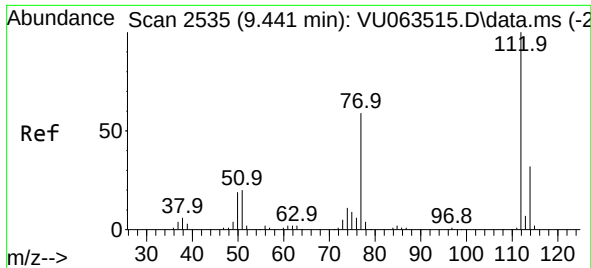
164 100

166 123.7 100.7 151.1

129 98.0 80.6 120.8

131 101.7 77.3 115.9

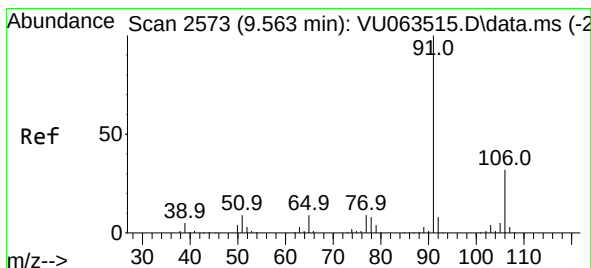
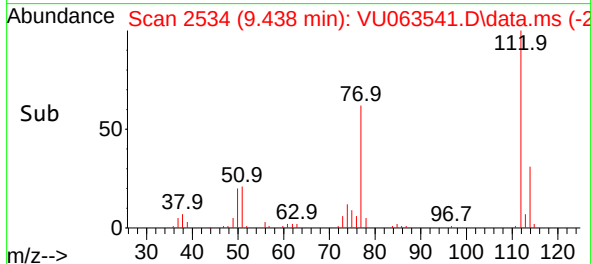
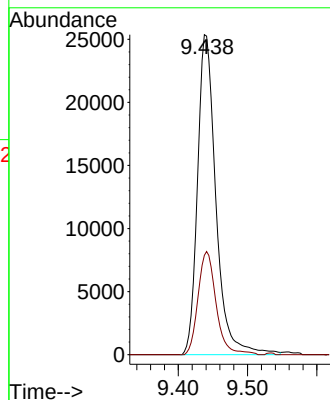
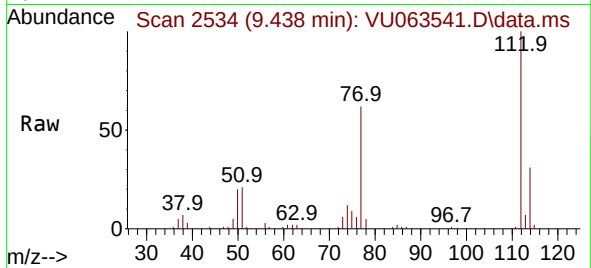




#59
Chlorobenzene
Concen: 3.876 ug/l
RT: 9.438 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

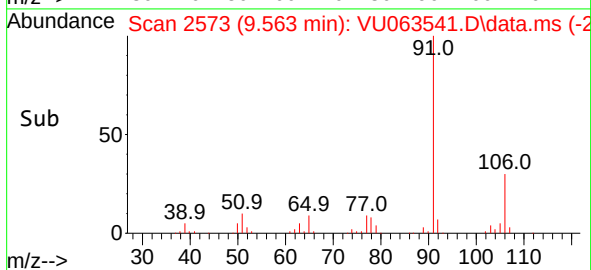
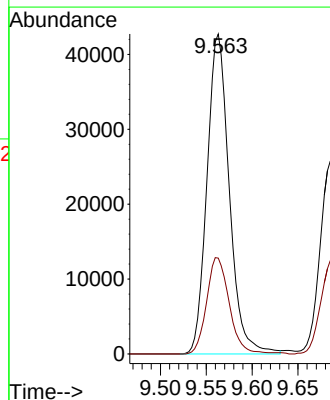
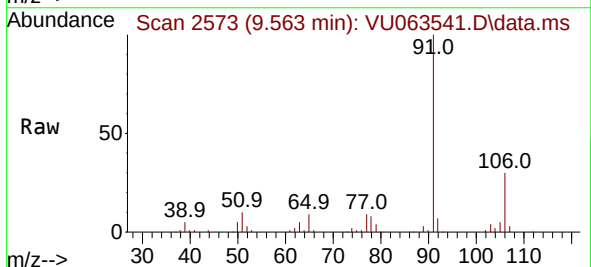
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

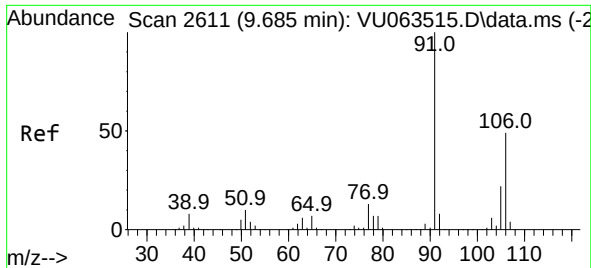
Tgt Ion:112 Resp: 46978
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.2



#63
Ethyl Benzene
Concen: 3.466 ug/l
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion: 91 Resp: 72286
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.0

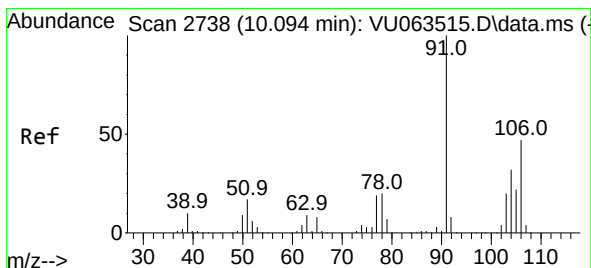
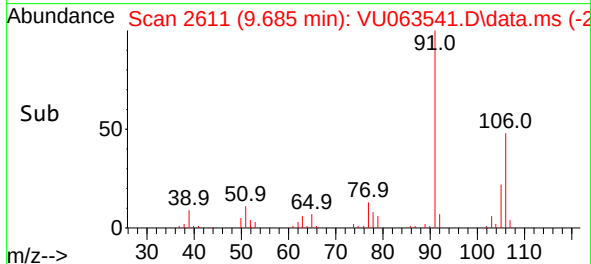
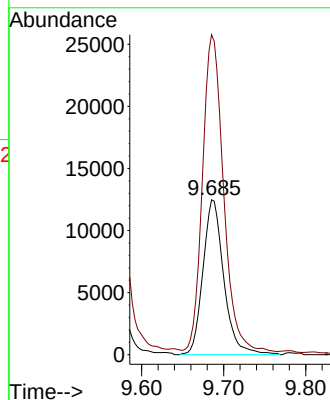
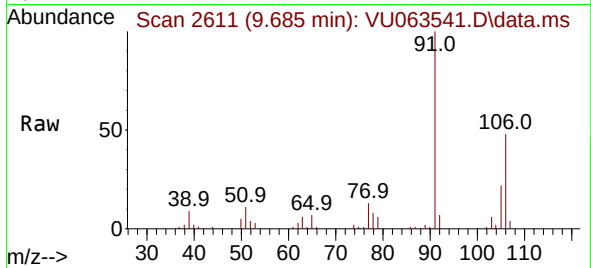




#64
m/p-Xylenes
Concen: 2.721 ug/l
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

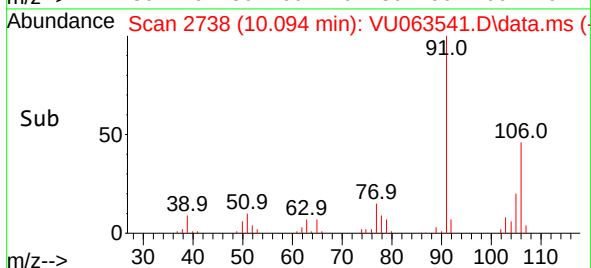
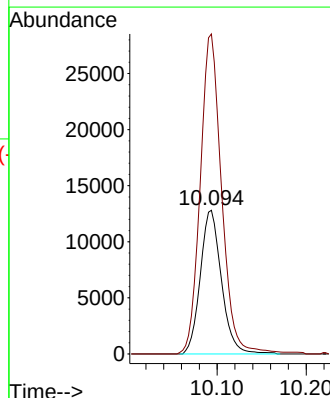
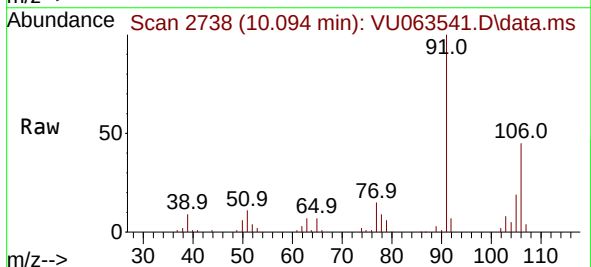
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WSDL

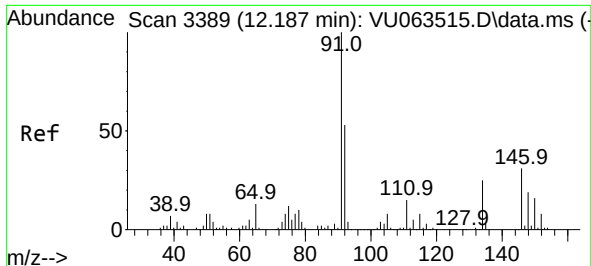
Tgt Ion:106 Resp: 22061
Ion Ratio Lower Upper
106 100
91 204.8 163.6 245.4



#65
o-Xylene
Concen: 2.715 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU063541.D
Acq: 18 Jul 2025 17:25

Tgt Ion:106 Resp: 21152
Ion Ratio Lower Upper
106 100
91 225.3 108.1 324.4





#68

1,2-Dichlorobenzene-d4

Concen: 1.024 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063541.D

Acq: 18 Jul 2025 17:25

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-RVOA-WSDL

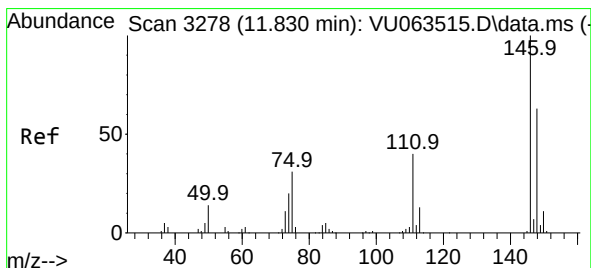
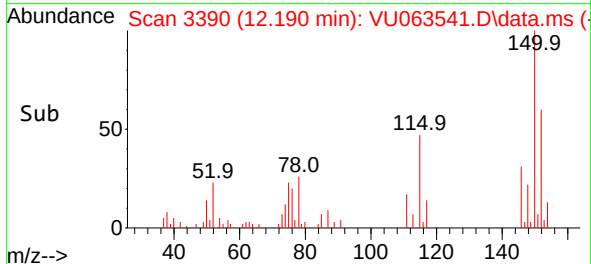
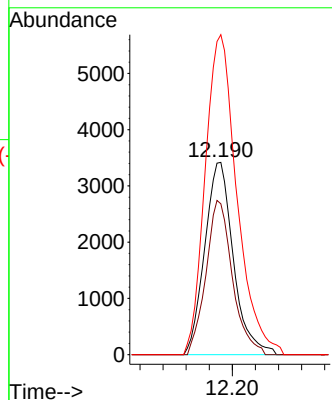
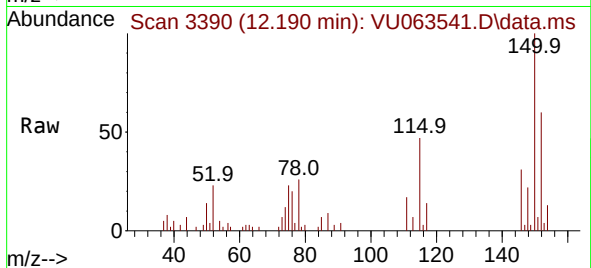
Tgt Ion:152 Resp: 5884

Ion Ratio Lower Upper

152 100

115 74.1 0.0 262.2

150 184.5 0.0 651.2



#83

1,4-Dichlorobenzene

Concen: 1.284 ug/l

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU063541.D

Acq: 18 Jul 2025 17:25

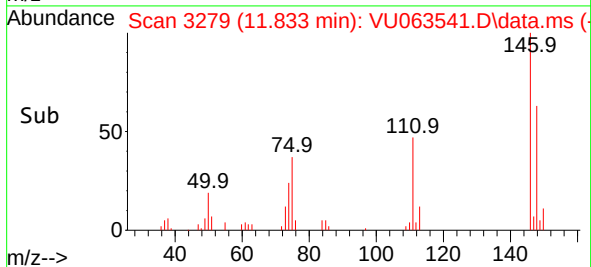
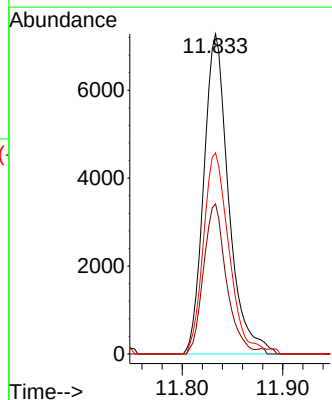
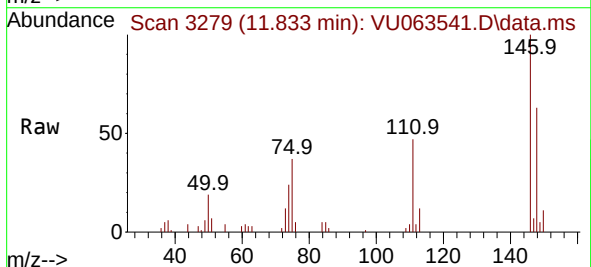
Tgt Ion:146 Resp: 12497

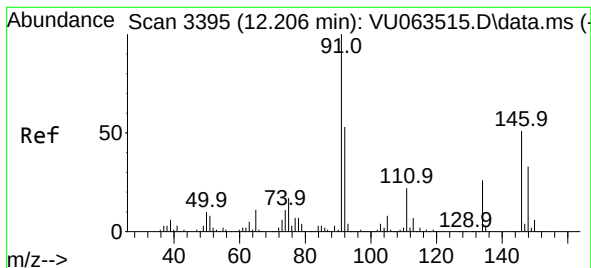
Ion Ratio Lower Upper

146 100

111 43.2 32.0 48.0

148 65.2 50.2 75.2





#85

1,2-Dichlorobenzene

Concen: 1.212 ug/l

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063541.D

Acq: 18 Jul 2025 17:25

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-RVOA-WSDL

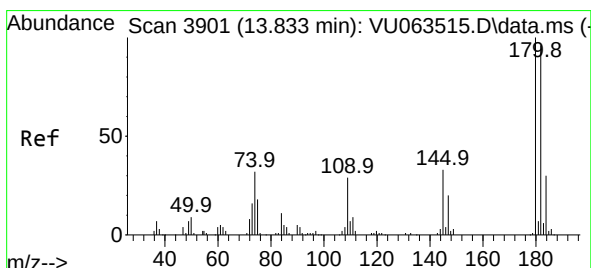
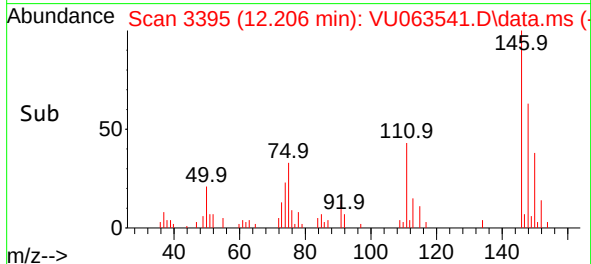
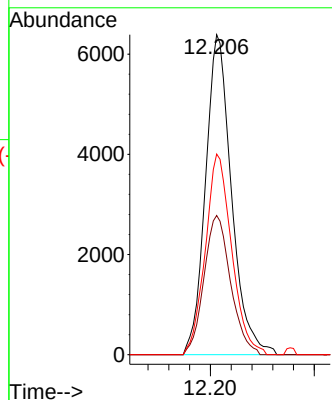
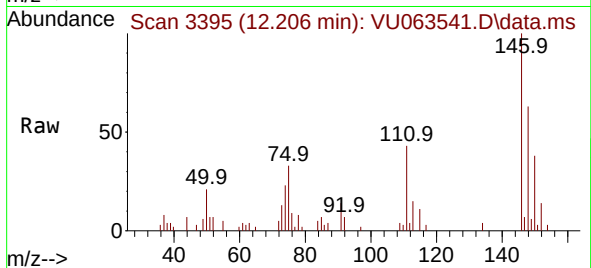
Tgt Ion:146 Resp: 11072

Ion Ratio Lower Upper

146 100

111 44.6 21.7 65.1

148 63.7 31.8 95.3



#87

1,2,4-Trichlorobenzene

Concen: 3.356 ug/l

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU063541.D

Acq: 18 Jul 2025 17:25

Tgt Ion:180 Resp: 19064

Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.4

145 33.0 26.2 39.2

