

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U080924\
 Data File : U060396.D
 Acq On : 10 Aug 2024 02:17
 Operator : MD/SY
 Sample : P3540-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B43

Quant Time: Aug 10 06:03:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 10 05:58:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	100907	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	107742	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	46892	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	32389	4.089	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.908	69	32197	4.508	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.560	65	13725	4.072	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	4.634	46	94228	56.056	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.120%
24) Chloroform-d	5.052	84	78812	5.025	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.695	65	37259	5.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.721	84	143936	4.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.686	67	49660	4.927	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.891	98	118119	4.072	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.174	79	14004	4.298	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.631	63	75491	52.207	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.420%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	41244	4.987	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	44623	5.166	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
5) Vinyl chloride	1.599	62	3401	0.429	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	16853	2.301	ug/L	98
12) 1,1-Dichloroethene	2.573	96	91444	13.744	ug/L #	72
16) Methylene chloride	3.036	84	491789	51.996	ug/L	97
18) trans-1,2-Dichloroethene	3.355	96	2107	0.323	ug/L #	90
19) 1,1-Dichloroethane	3.866	63	31202	2.315	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	298145	37.838	ug/L	93
25) Chloroform	5.078	83	86104	5.874	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	9221	0.782	ug/L	94
31) Carbon tetrachloride	5.522	117	17811	1.723	ug/L	99
34) Trichloroethene	6.538	95	10234850	1260.464	ug/L	96
38) Bromodichloromethane	7.100	83	1951	0.187	ug/L	95
42) Toluene	7.965	91	16913	0.516	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	2148	0.332	ug/L	91
47) Tetrachloroethene	8.547	164	243722	38.373	ug/L	97
52) Ethylbenzene	9.567	91	16358	0.474	ug/L	98
53) m,p-Xylene	9.692	106	5209	0.397	ug/L	97
54) o-Xylene	10.094	106	9332	0.743	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	8783	0.645	ug/L	98

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QLast Update : Sat Aug 10 05:58:50 2024
Response via : Initial Calibration

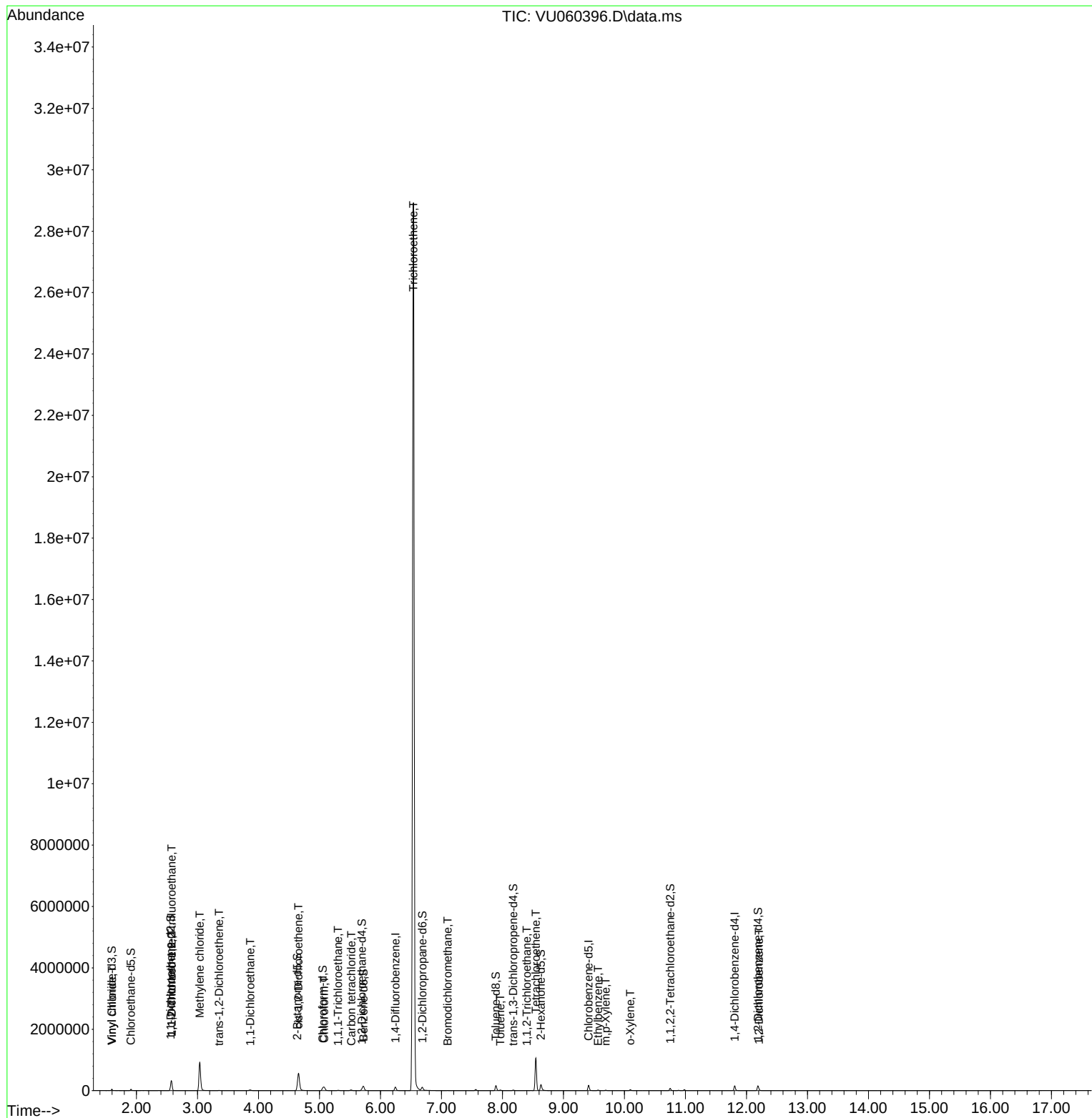
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

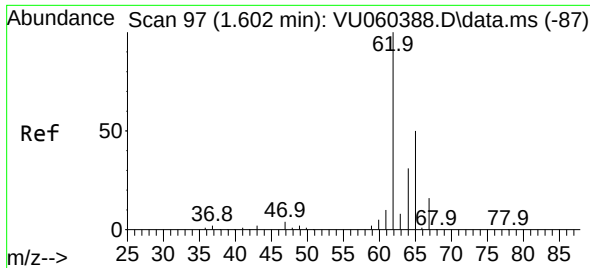
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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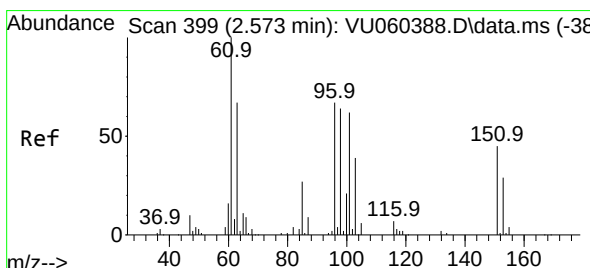
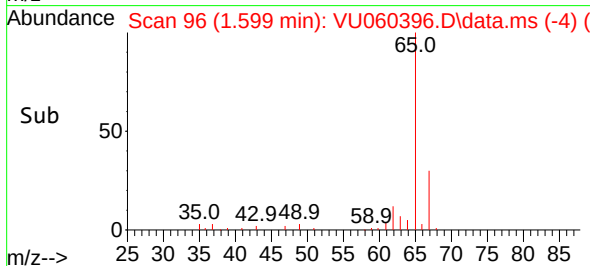
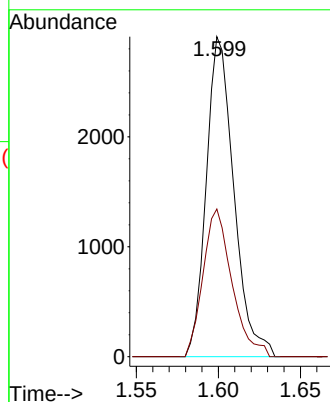
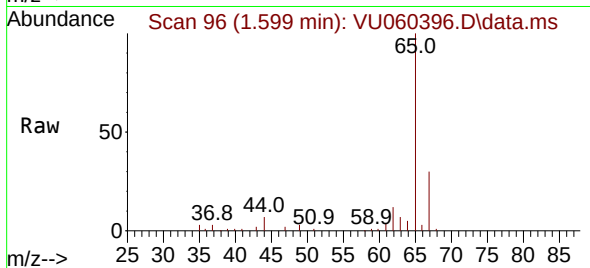




#5
 Vinyl chloride
 Concen: 0.429 ug/L
 RT: 1.599 min Scan# 9
 Delta R.T. -0.003 min
 Lab File: VU060396.D
 Acq: 10 Aug 2024 02:17

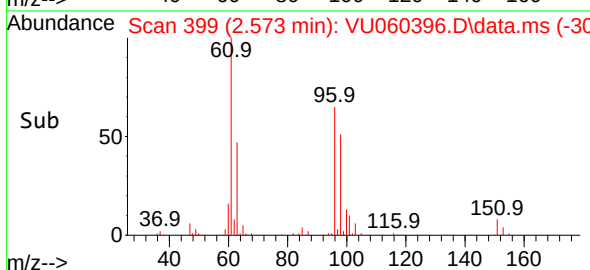
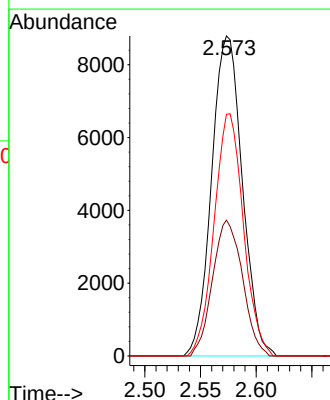
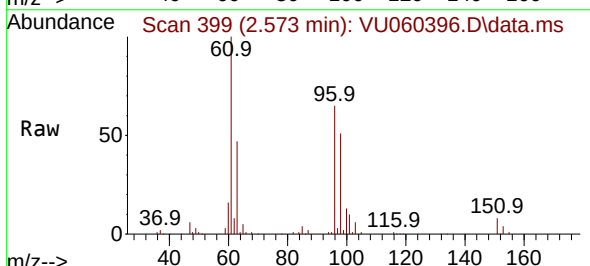
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B43

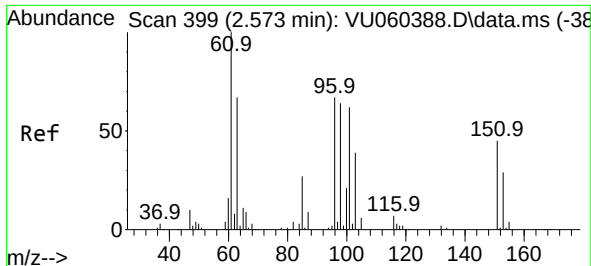
Tgt Ion: 62 Resp: 3401
 Ion Ratio Lower Upper
 62 100
 64 46.2 24.1 44.7#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.301 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU060396.D
 Acq: 10 Aug 2024 02:17

Tgt Ion: 101 Resp: 16853
 Ion Ratio Lower Upper
 101 100
 85 41.3 33.5 50.3
 151 72.2 59.7 89.5

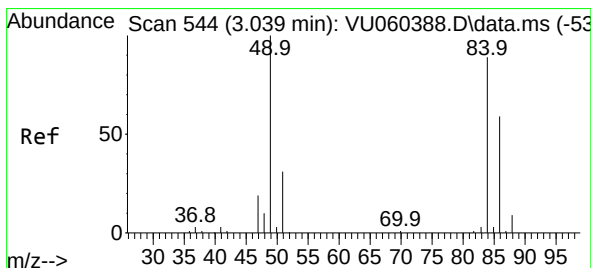
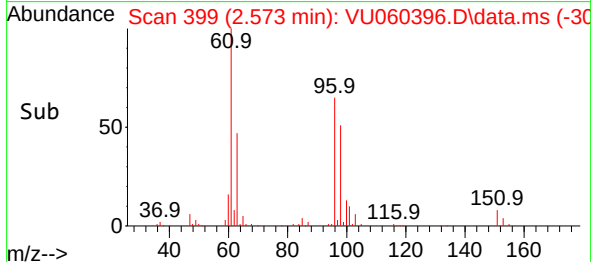
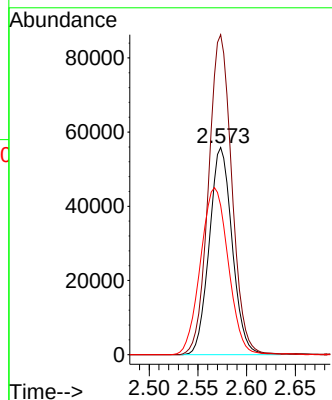
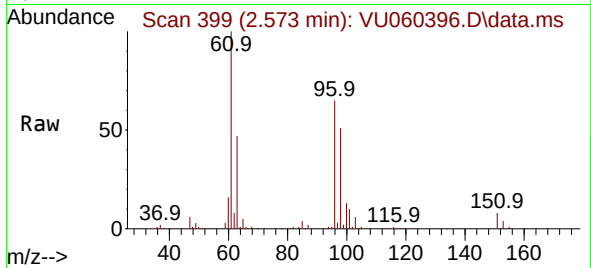




#12
1,1-Dichloroethene
Concen: 13.744 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

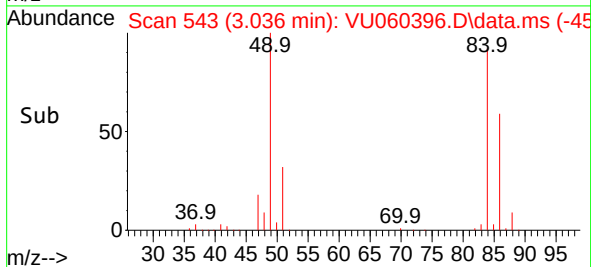
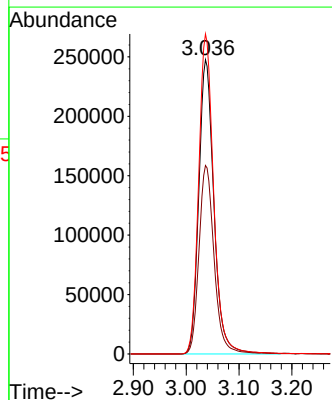
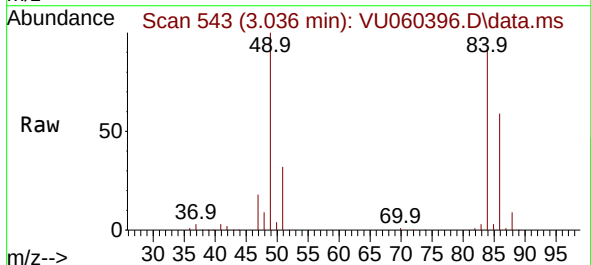
Instrument :
MSVOA_U
ClientSampleId :
C0B43

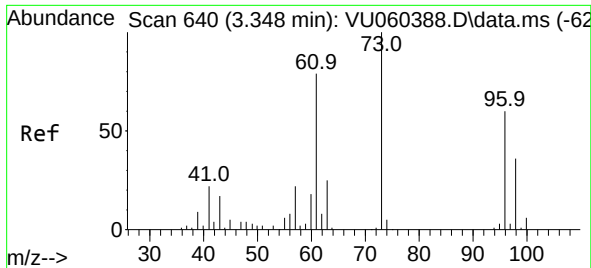
Tgt Ion: 96 Resp: 91444
Ion Ratio Lower Upper
96 100
61 154.4 114.4 212.4
63 71.9 96.0 178.4#



#16
Methylene chloride
Concen: 51.996 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

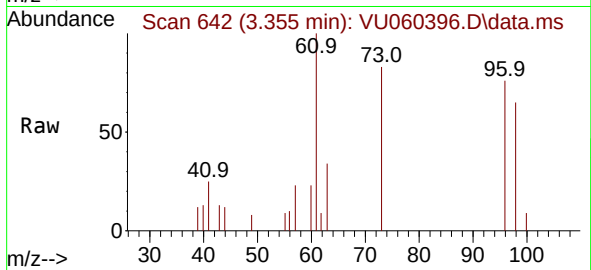
Tgt Ion: 84 Resp: 491789
Ion Ratio Lower Upper
84 100
86 64.0 47.1 87.5
49 108.7 73.9 137.3





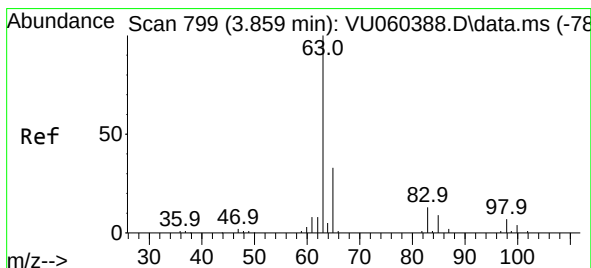
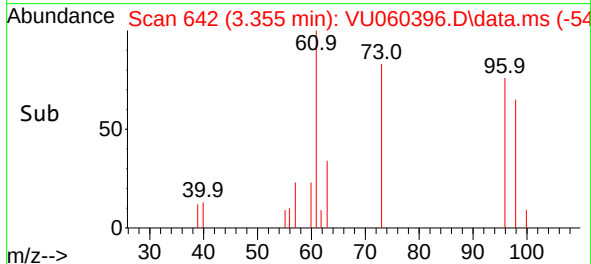
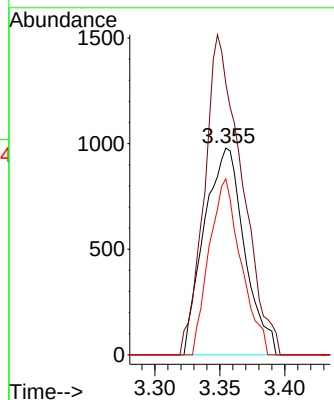
#18
trans-1,2-Dichloroethene
Concen: 0.323 ug/L
RT: 3.355 min Scan# 64
Delta R.T. 0.007 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

Instrument :
MSVOA_U
ClientSampleId :
C0B43



Tgt Ion: 96 Resp: 2107

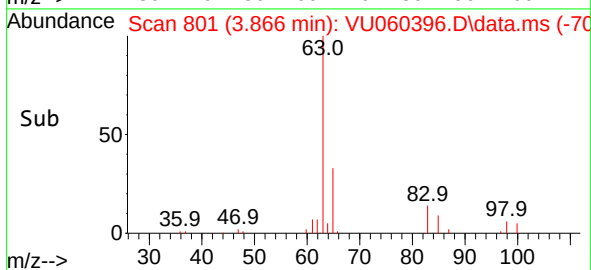
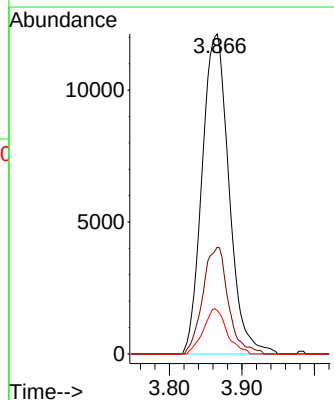
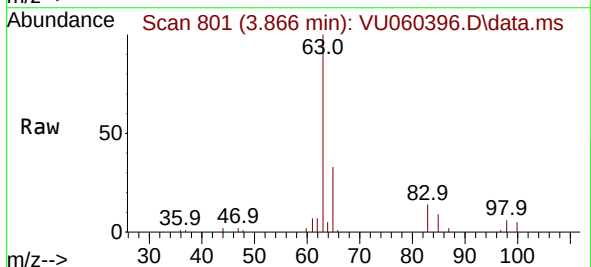
Ion	Ratio	Lower	Upper
96	100		
61	131.3	93.7	174.1
98	85.1	44.7	82.9#

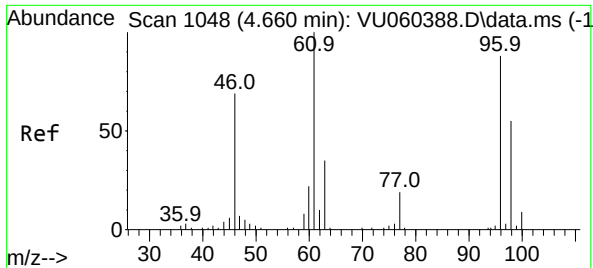


#19
1,1-Dichloroethane
Concen: 2.315 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.007 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

Tgt Ion: 63 Resp: 31202

Ion	Ratio	Lower	Upper
63	100		
65	34.3	22.2	41.2
83	13.6	9.1	16.9

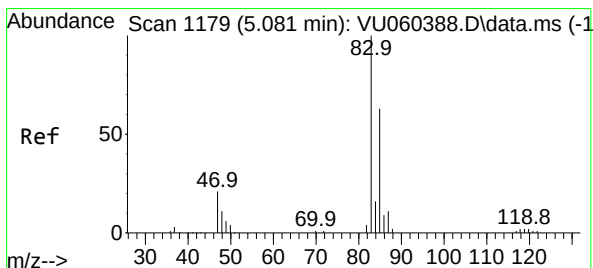
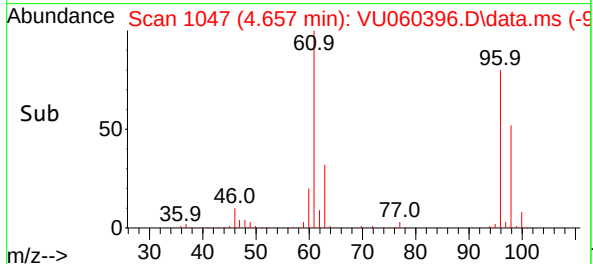
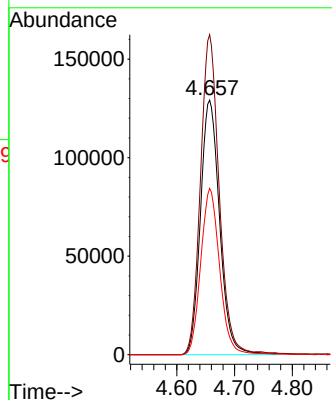
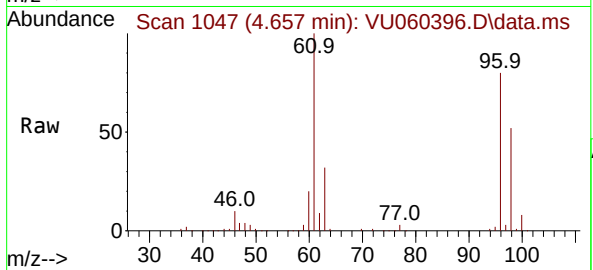




#22
cis-1,2-Dichloroethene
Concen: 37.838 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

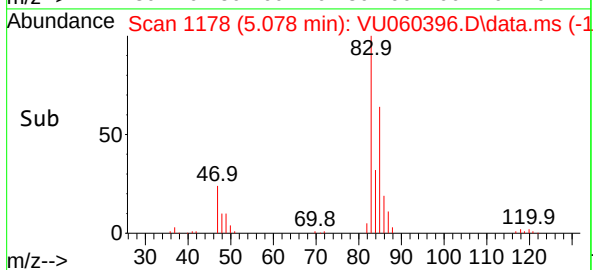
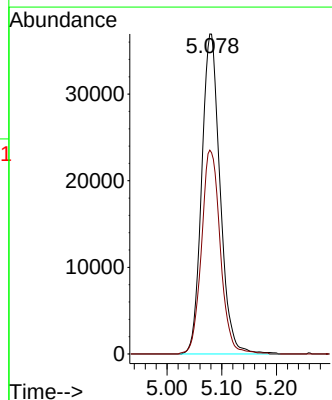
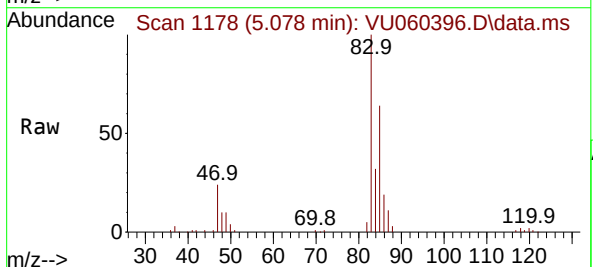
Instrument :
MSVOA_U
ClientSampleId :
C0B43

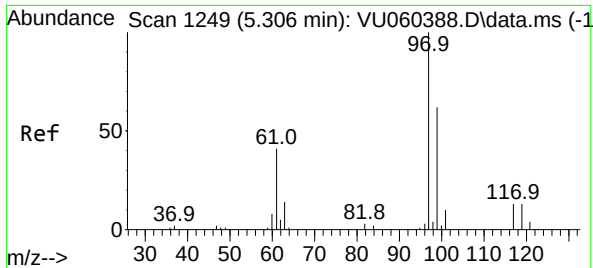
Tgt Ion: 96 Resp: 298145
Ion Ratio Lower Upper
96 100
61 125.7 81.5 151.5
98 65.3 43.5 80.7



#25
Chloroform
Concen: 5.874 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

Tgt Ion: 83 Resp: 86104
Ion Ratio Lower Upper
83 100
85 63.7 45.6 84.6

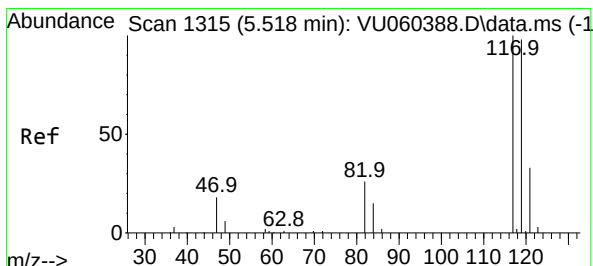
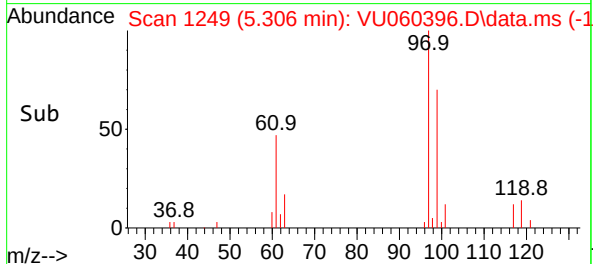
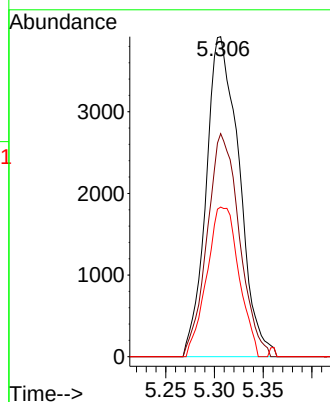
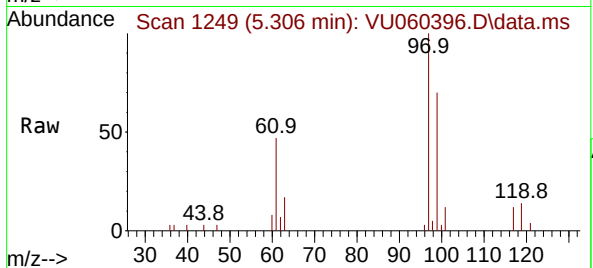




#29
1,1,1-Trichloroethane
Concen: 0.782 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

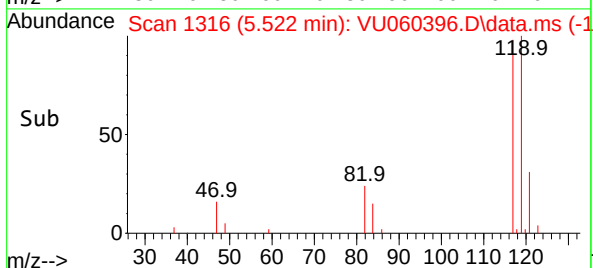
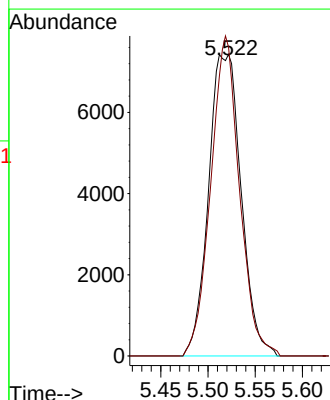
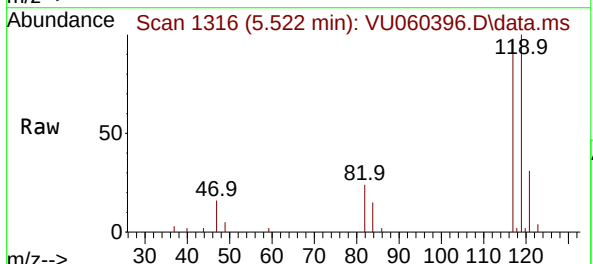
Instrument :
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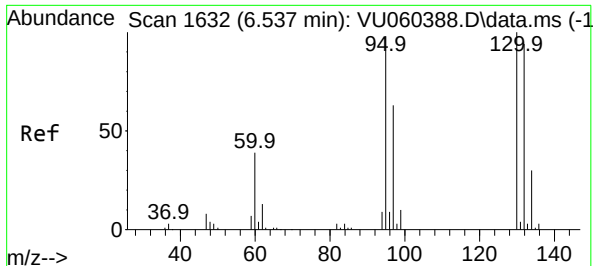
Tgt Ion: 97	Resp:	9221
Ion	Ratio	Lower Upper
97	100	
99	68.2	51.4 77.2
61	45.5	33.0 49.6



#31
Carbon tetrachloride
Concen: 1.723 ug/L
RT: 5.522 min Scan# 1316
Delta R.T. 0.004 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

Tgt Ion: 117	Resp:	17811
Ion	Ratio	Lower Upper
117	100	
119	93.7	75.8 113.8



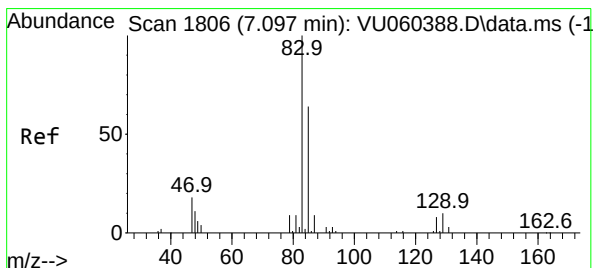
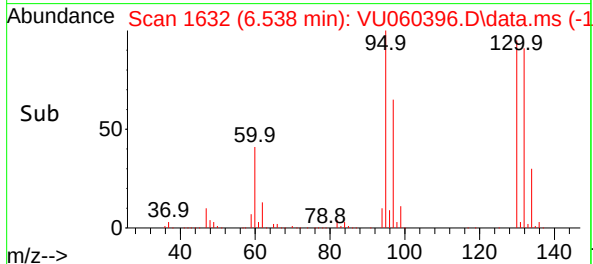
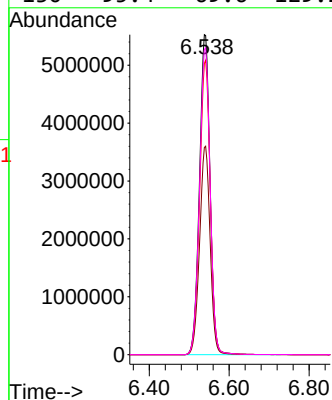
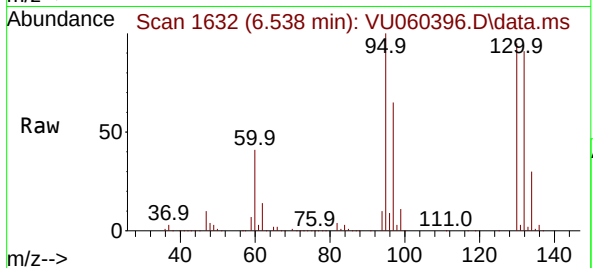


#34
Trichloroethene
Concen: 1260.464 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

Instrument :
MSVOA_U
ClientSampleId :
C0B43

Tgt Ion: 95 Resp:10234850

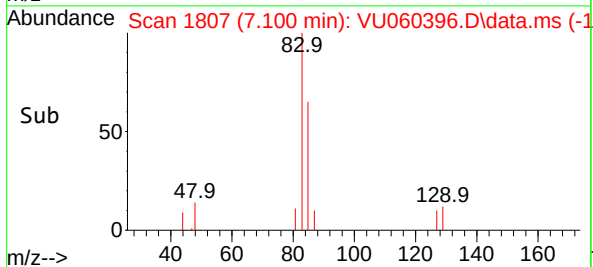
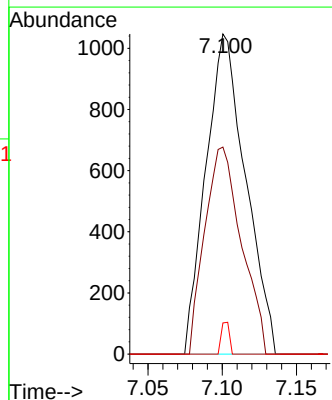
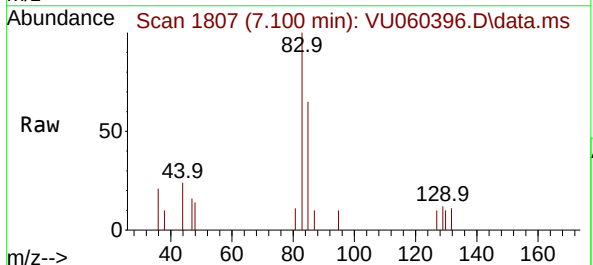
Ion	Ratio	Lower	Upper
95	100		
97	64.8	43.6	81.0
132	91.0	67.1	124.5
130	95.4	69.6	129.2

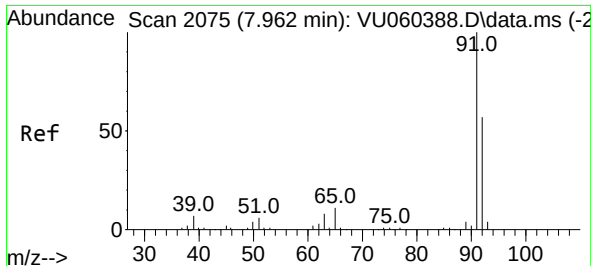


#38
Bromodichloromethane
Concen: 0.187 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.004 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

Tgt Ion: 83 Resp: 1951

Ion	Ratio	Lower	Upper
83	100		
85	64.7	42.4	78.8
127	9.7	7.0	10.4





#42

Toluene

Concen: 0.516 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.004 min

Lab File: VU060396.D

Acq: 10 Aug 2024 02:17

Instrument :

MSVOA_U

ClientSampleId :

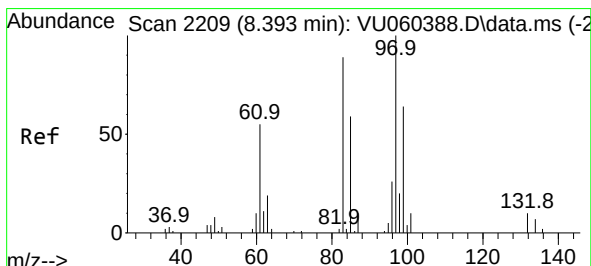
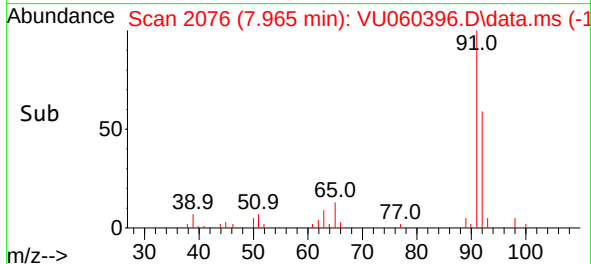
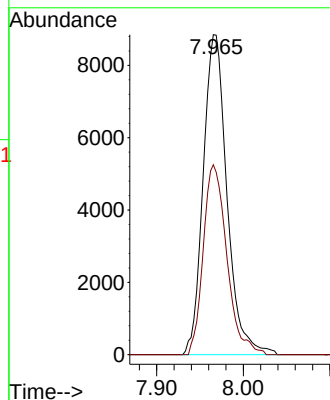
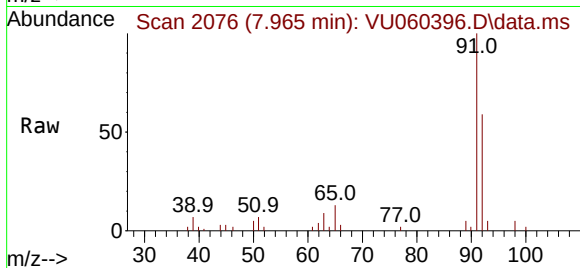
C0B43

Tgt Ion: 91 Resp: 16913

Ion Ratio Lower Upper

91 100

92 59.4 40.6 75.4



#45

1,1,2-Trichloroethane

Concen: 0.332 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.007 min

Lab File: VU060396.D

Acq: 10 Aug 2024 02:17

Tgt Ion: 97 Resp: 2148

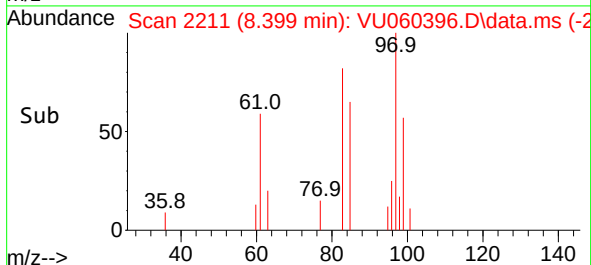
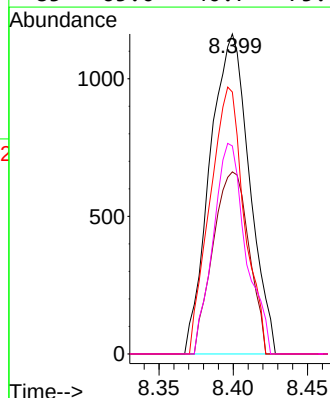
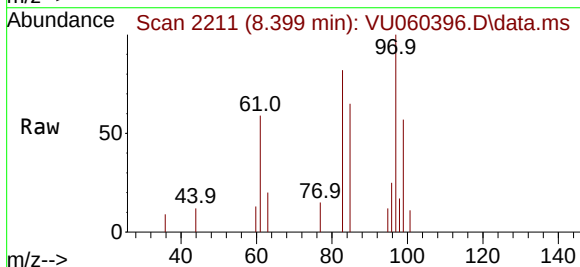
Ion Ratio Lower Upper

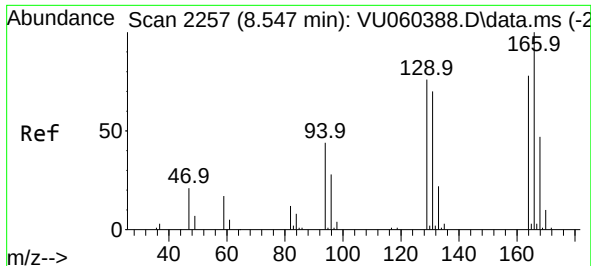
97 100

99 56.9 45.8 85.0

83 81.9 61.7 114.5

85 65.0 40.7 75.7





#47

Tetrachloroethene

Concen: 38.373 ug/L

RT: 8.547 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060396.D

Acq: 10 Aug 2024 02:17

Instrument :

MSVOA_U

ClientSampleId :

C0B43

Tgt Ion:164 Resp: 243722

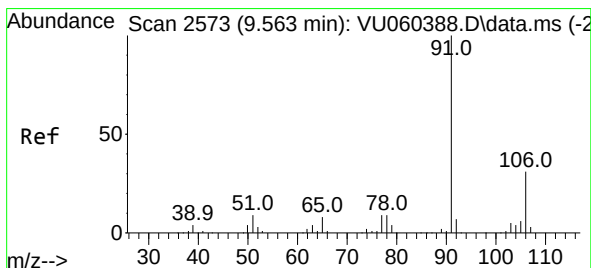
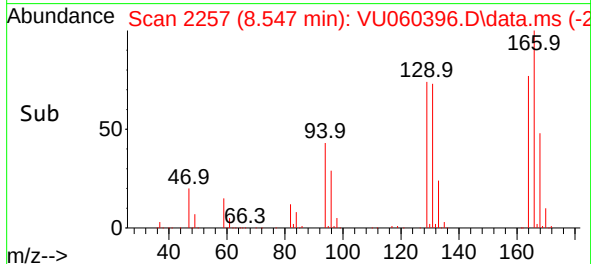
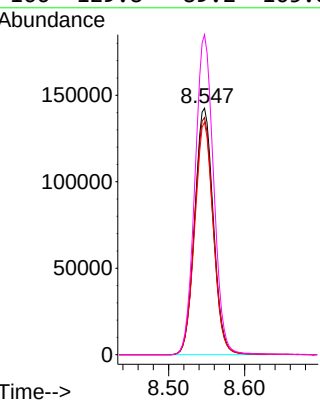
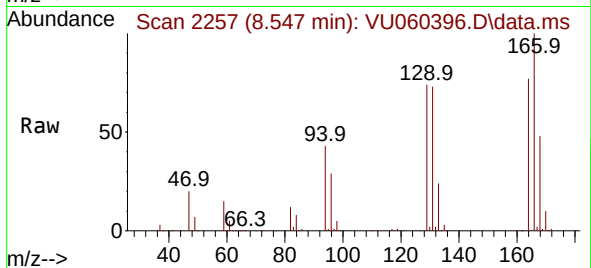
Ion Ratio Lower Upper

164 100

129 96.2 69.0 128.1

131 94.3 62.6 116.3

166 129.8 89.2 165.8



#52

Ethylbenzene

Concen: 0.474 ug/L

RT: 9.567 min Scan# 2574

Delta R.T. 0.004 min

Lab File: VU060396.D

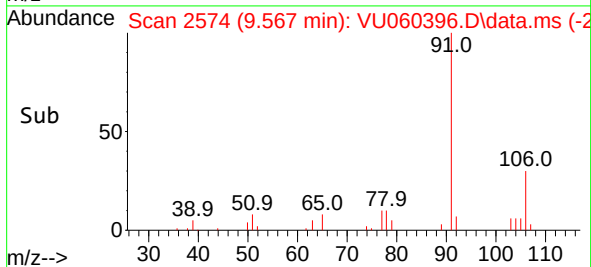
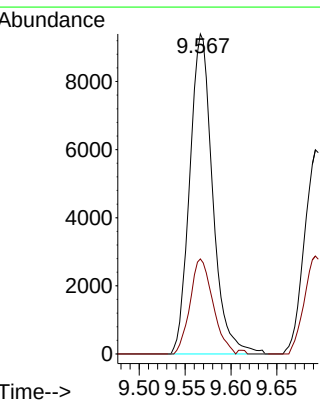
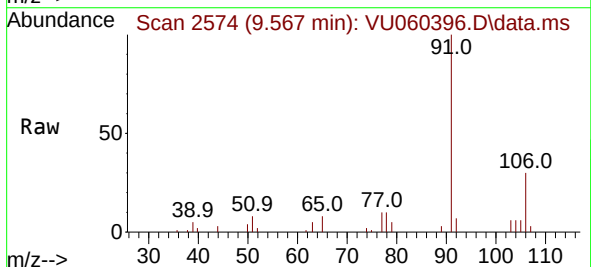
Acq: 10 Aug 2024 02:17

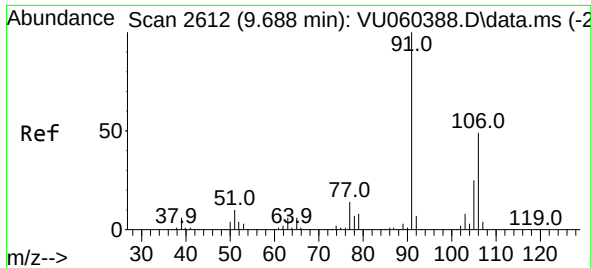
Tgt Ion: 91 Resp: 16358

Ion Ratio Lower Upper

91 100

106 29.7 21.6 40.2

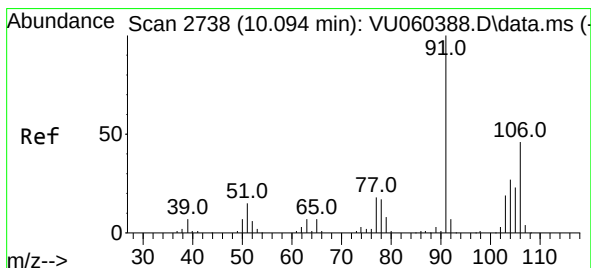
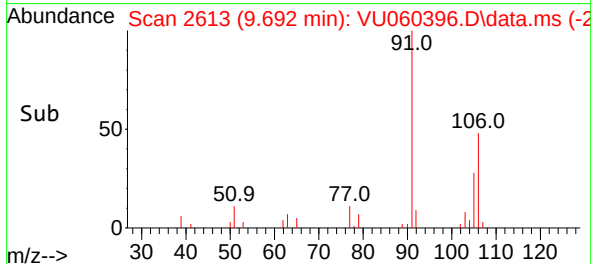
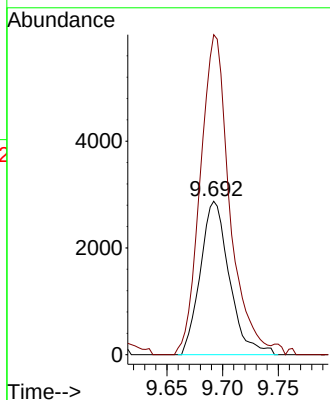
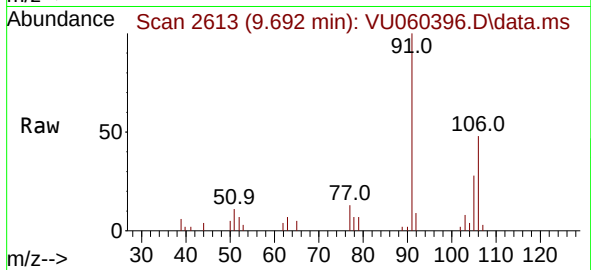




#53
m,p-Xylene
Concen: 0.397 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.004 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

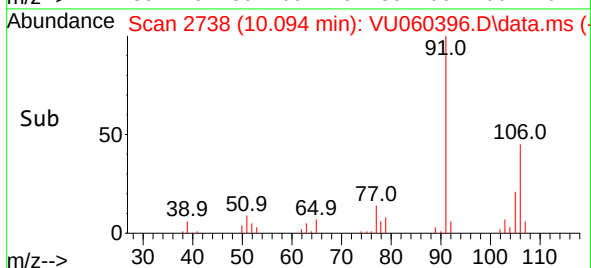
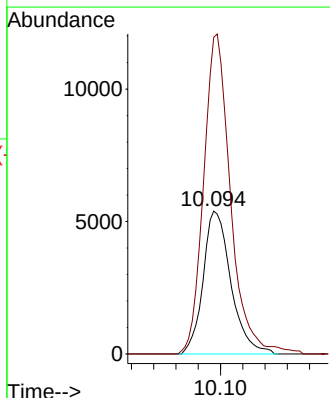
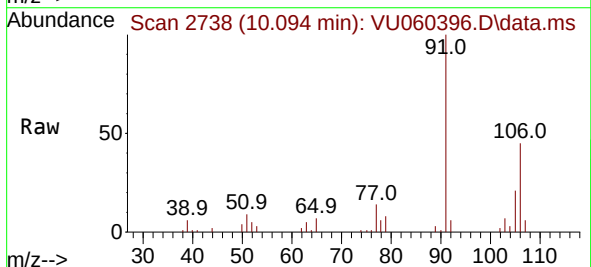
Instrument :
MSVOA_U
ClientSampleId :
C0B43

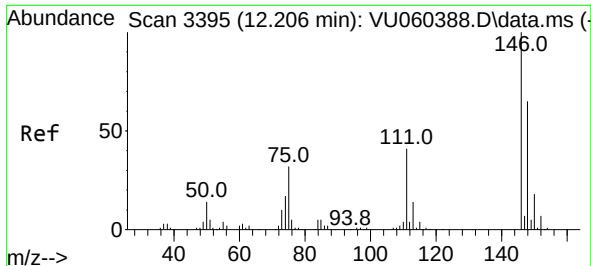
Tgt Ion:106 Resp: 5209
Ion Ratio Lower Upper
106 100
91 208.6 143.2 266.0



#54
o-Xylene
Concen: 0.743 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU060396.D
Acq: 10 Aug 2024 02:17

Tgt Ion:106 Resp: 9332
Ion Ratio Lower Upper
106 100
91 221.6 150.2 279.0





#67

1,2-Dichlorobenzene

Concen: 0.645 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU060396.D

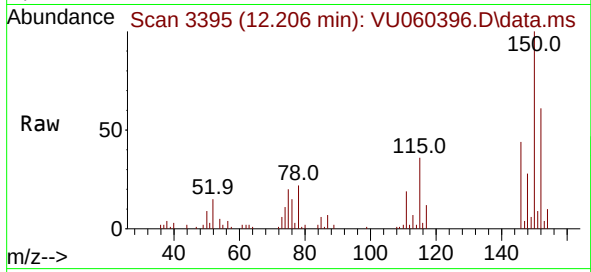
Acq: 10 Aug 2024 02:17

Instrument :

MSVOA_U

ClientSampleId :

C0B43



Tgt Ion:146 Resp: 8783

Ion Ratio Lower Upper

146 100

111 43.3 32.0 48.0

148 65.0 51.8 77.8

