

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U080924\
 Data File : U060394.D
 Acq On : 10 Aug 2024 00:36
 Operator : MD/SY
 Sample : P3540-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B39

Quant Time: Aug 10 06:02:56 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	6.242	114	103346	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	110002	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	53694	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	33020	4.070	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.400%
7) Chloroethane-d5	1.911	69	34028	4.652	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.560	65	14525	4.207	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.634	46	97316	56.526	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.060%
24) Chloroform-d	5.055	84	81214	5.056	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.695	65	38878	5.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.721	84	150025	4.522	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.686	67	52231	5.076	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.895	98	120636	4.073	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.174	79	14554	4.375	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.631	63	77078	52.209	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.420%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	42627	5.049	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	51925	5.250	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	3890	0.479	ug/L #	81
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	19842	2.645	ug/L	97
12) 1,1-Dichloroethene	2.573	96	99257	14.566	ug/L #	73
16) Methylene chloride	3.036	84	727304	75.082	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	2291	0.343	ug/L	92
19) 1,1-Dichloroethane	3.863	63	33703	2.442	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	318387	39.454	ug/L	97
25) Chloroform	5.081	83	87648	5.838	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	9578	0.795	ug/L	90
31) Carbon tetrachloride	5.515	117	18606	1.763	ug/L	96
34) Trichloroethene	6.541	95	10812769	1304.279	ug/L	96
38) Bromodichloromethane	7.100	83	1801	0.169	ug/L	90
42) Toluene	7.968	91	22300	0.666	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	2075	0.314	ug/L	90
47) Tetrachloroethene	8.547	164	269100	41.498	ug/L	98
52) Ethylbenzene	9.563	91	72446	2.055	ug/L	99
53) m,p-Xylene	9.685	106	113831	8.495	ug/L	99
54) o-Xylene	10.094	106	57098	4.453	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	8875	0.356	ug/L	93

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

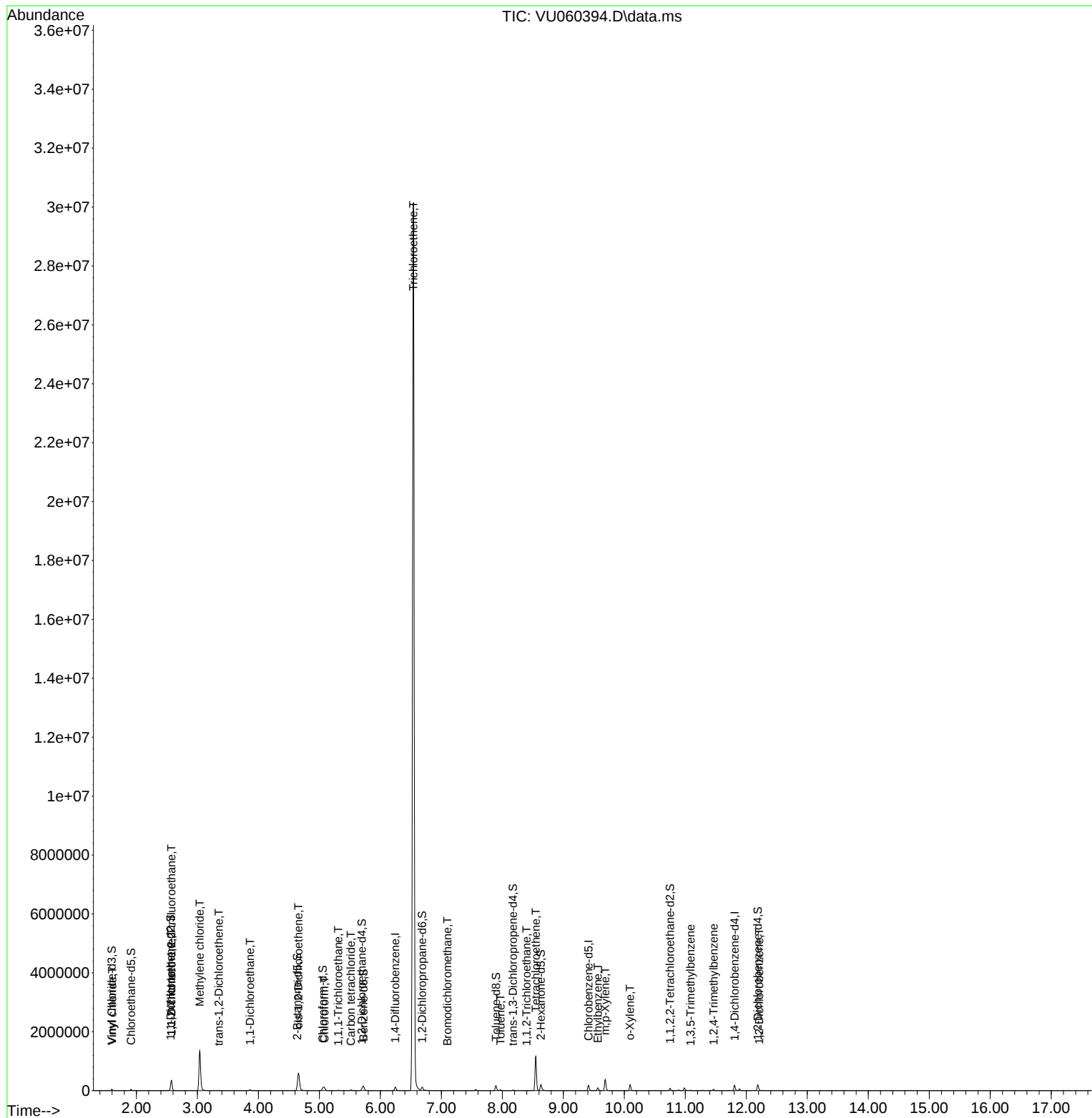
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.464	105	27234	1.107	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	11486	0.736	ug/L	99

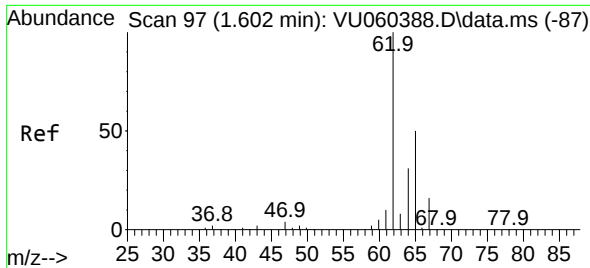
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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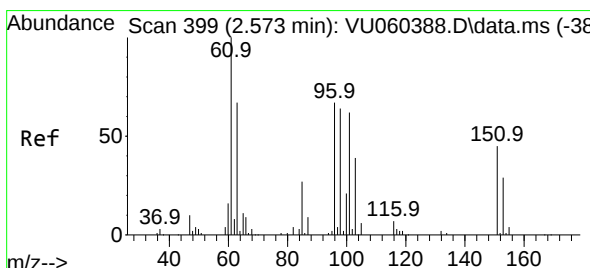
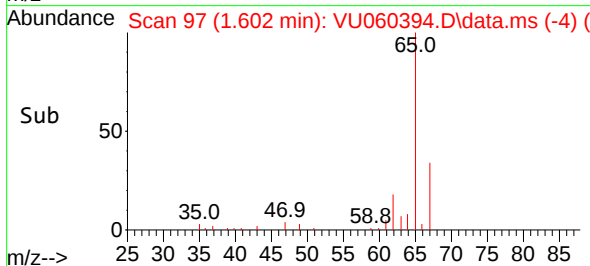
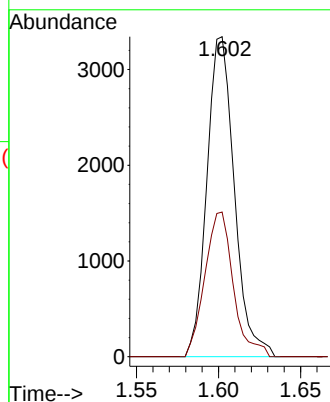
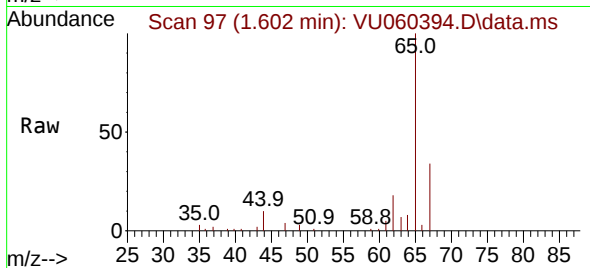




#5
 Vinyl chloride
 Concen: 0.479 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU060394.D
 Acq: 10 Aug 2024 00:36

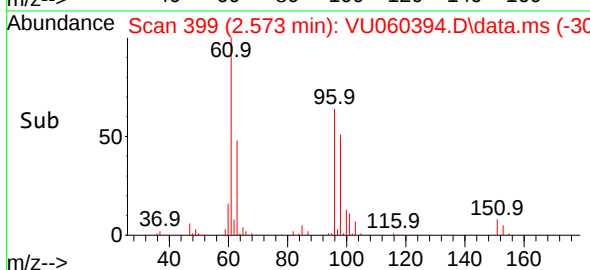
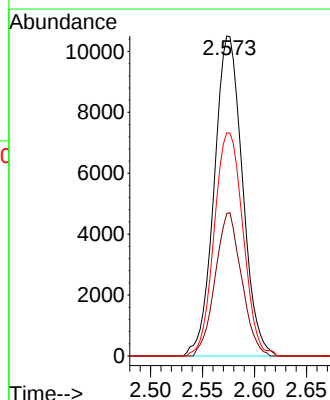
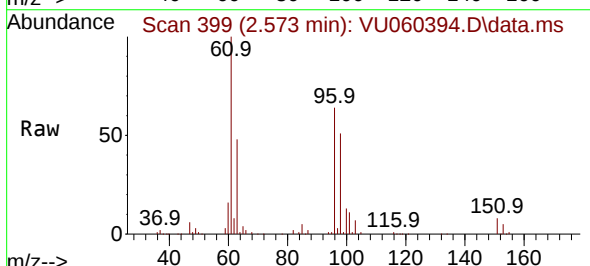
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B39

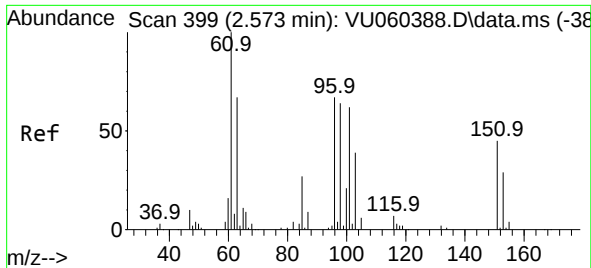
Tgt Ion: 62 Resp: 3890
 Ion Ratio Lower Upper
 62 100
 64 45.2 24.1 44.7#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.645 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU060394.D
 Acq: 10 Aug 2024 00:36

Tgt Ion: 101 Resp: 19842
 Ion Ratio Lower Upper
 101 100
 85 41.9 33.5 50.3
 151 71.2 59.7 89.5

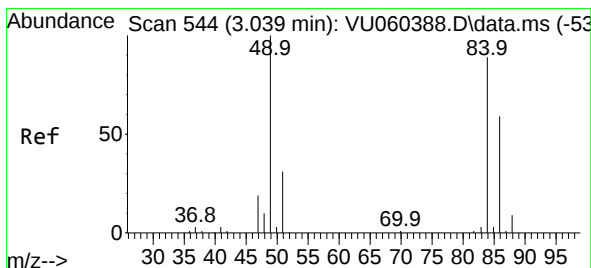
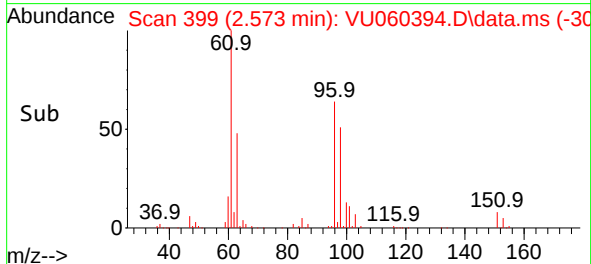
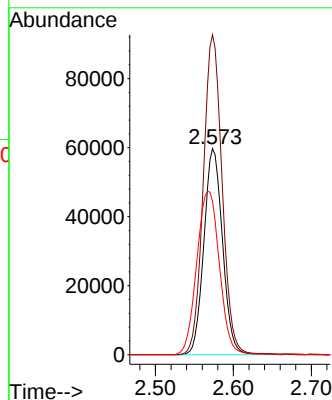
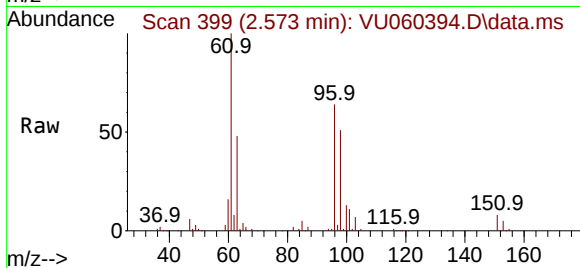




#12
1,1-Dichloroethene
Concen: 14.566 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

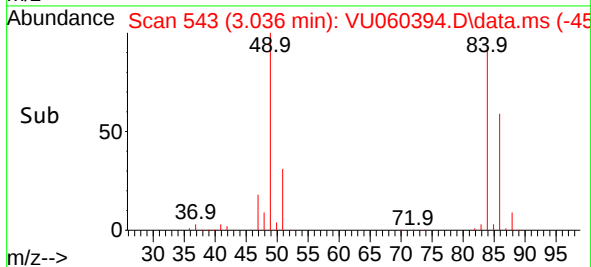
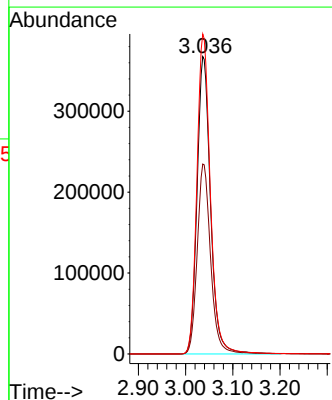
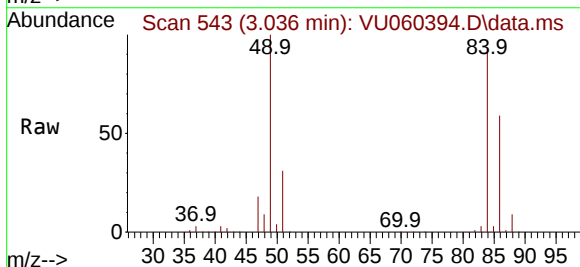
Instrument :
MSVOA_U
ClientSampleId :
C0B39

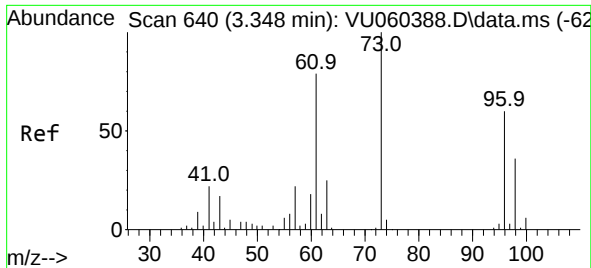
Tgt Ion: 96 Resp: 99257
Ion Ratio Lower Upper
96 100
61 155.2 114.4 212.4
63 74.5 96.0 178.4#



#16
Methylene chloride
Concen: 75.082 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

Tgt Ion: 84 Resp: 727304
Ion Ratio Lower Upper
84 100
86 63.9 47.1 87.5
49 107.6 73.9 137.3

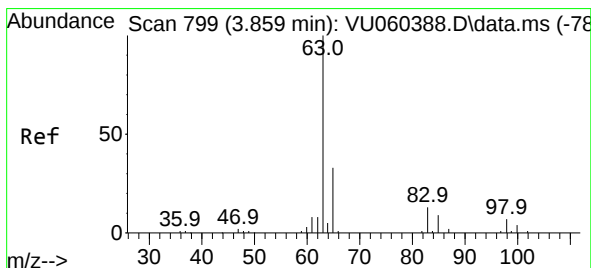
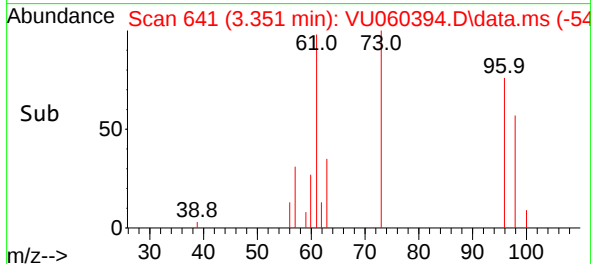
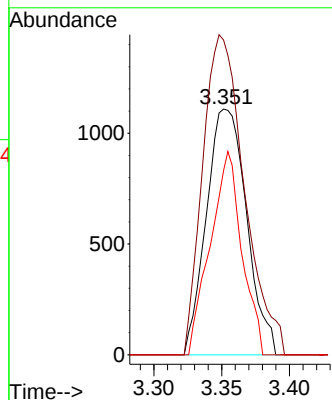
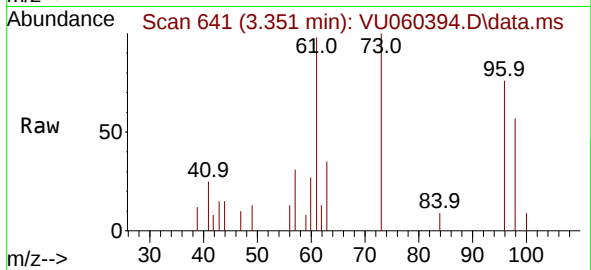




#18
trans-1,2-Dichloroethene
Concen: 0.343 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.004 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

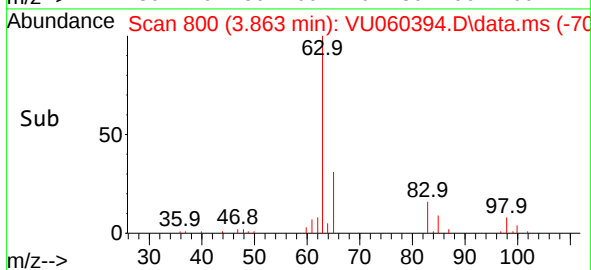
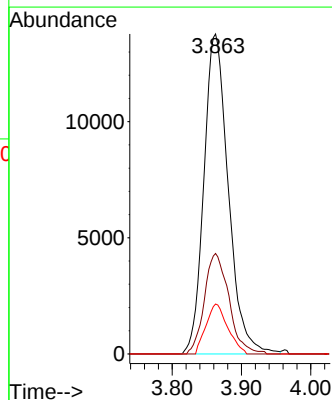
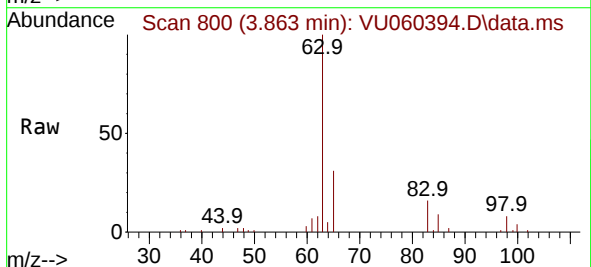
Instrument :
MSVOA_U
ClientSampleId :
C0B39

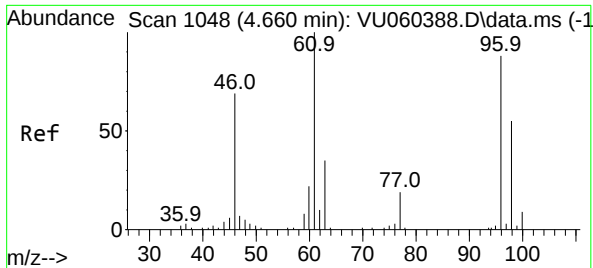
Tgt Ion: 96 Resp: 2291
Ion Ratio Lower Upper
96 100
61 128.1 93.7 174.1
98 74.9 44.7 82.9



#19
1,1-Dichloroethane
Concen: 2.442 ug/L
RT: 3.863 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

Tgt Ion: 63 Resp: 33703
Ion Ratio Lower Upper
63 100
65 31.4 22.2 41.2
83 15.6 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 39.454 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060394.D

Acq: 10 Aug 2024 00:36

Instrument :

MSVOA_U

ClientSampleId :

C0B39

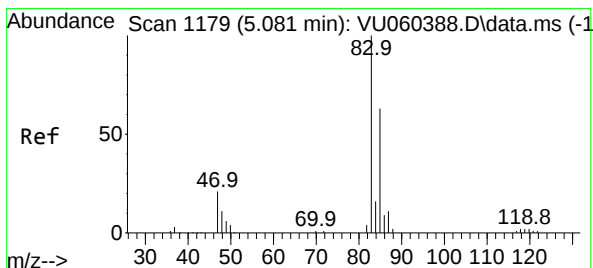
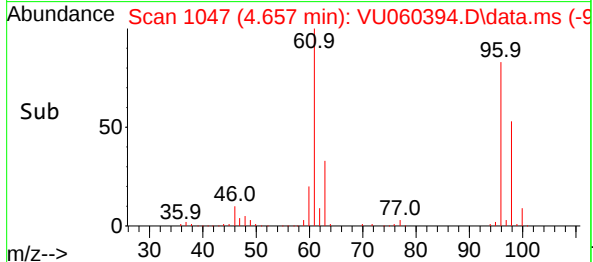
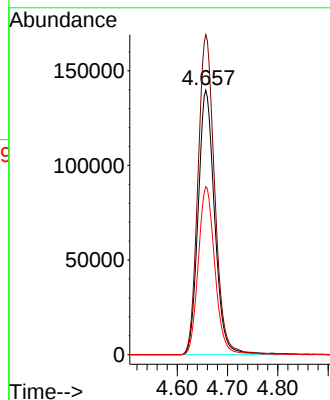
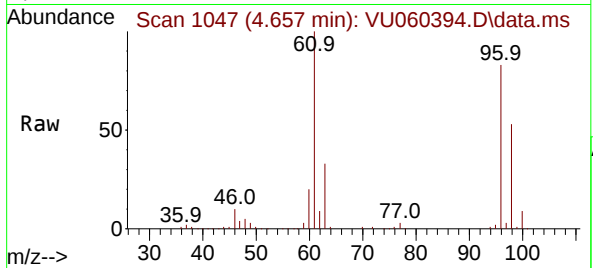
Tgt Ion: 96 Resp: 318387

Ion Ratio Lower Upper

96 100

61 121.0 81.5 151.5

98 63.6 43.5 80.7



#25

Chloroform

Concen: 5.838 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU060394.D

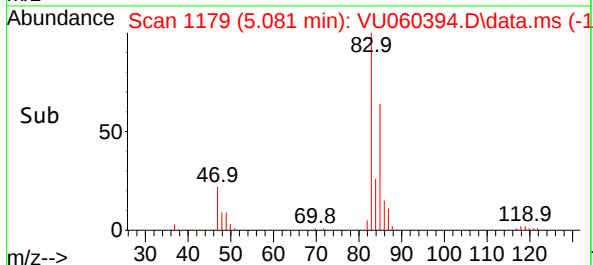
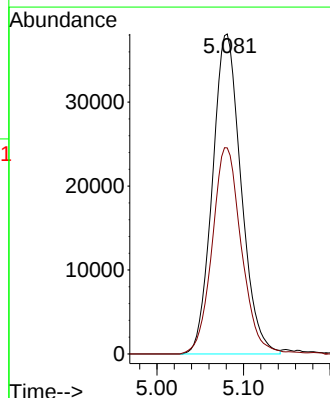
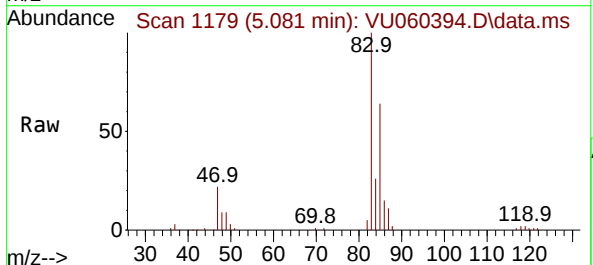
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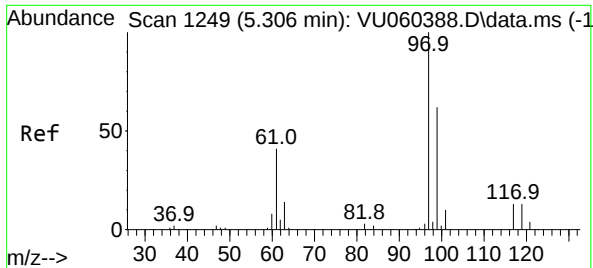
Tgt Ion: 83 Resp: 87648

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6

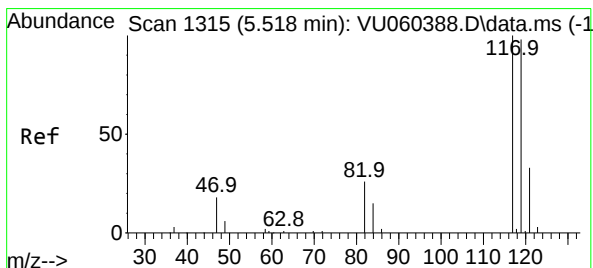
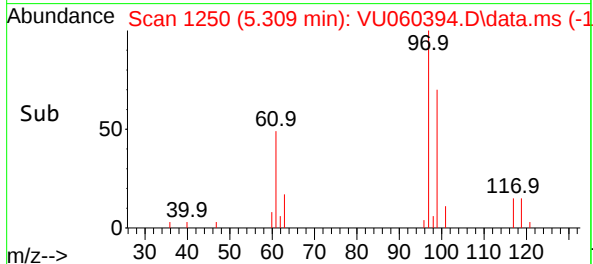
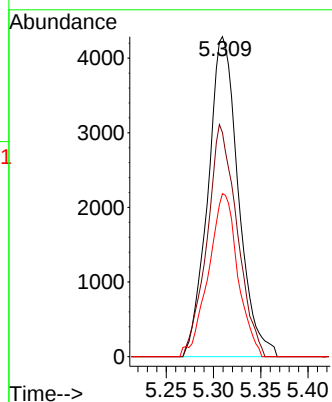
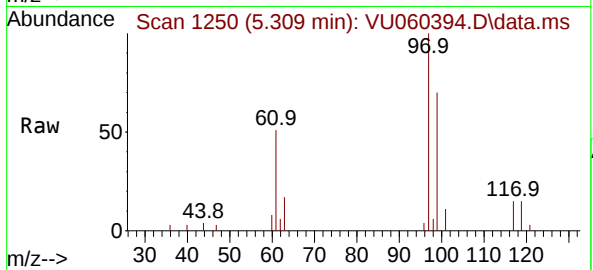




#29
1,1,1-Trichloroethane
Concen: 0.795 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

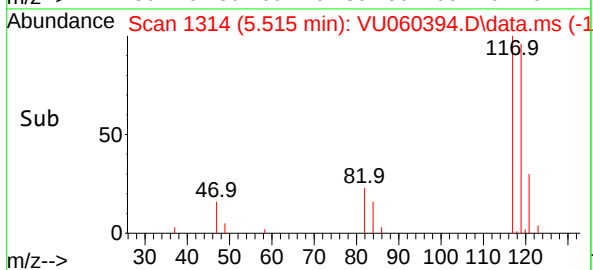
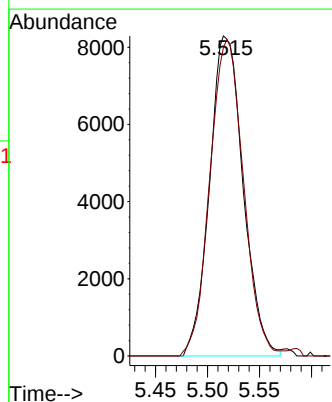
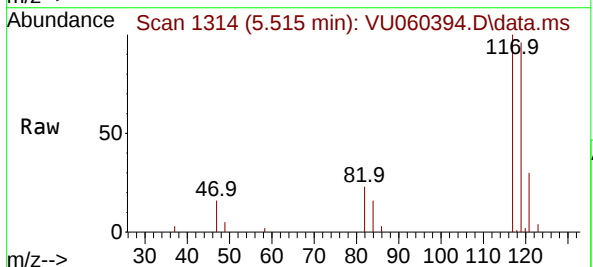
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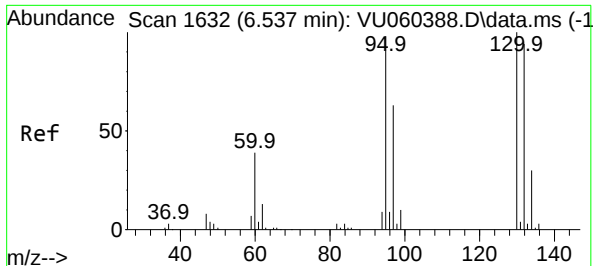
Tgt Ion: 97 Resp: 9578
Ion Ratio Lower Upper
97 100
99 71.5 51.4 77.2
61 49.2 33.0 49.6



#31
Carbon tetrachloride
Concen: 1.763 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

Tgt Ion: 117 Resp: 18606
Ion Ratio Lower Upper
117 100
119 98.9 75.8 113.8



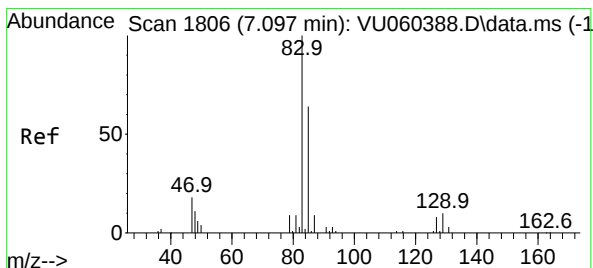
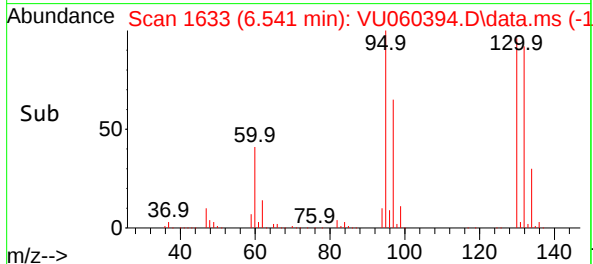
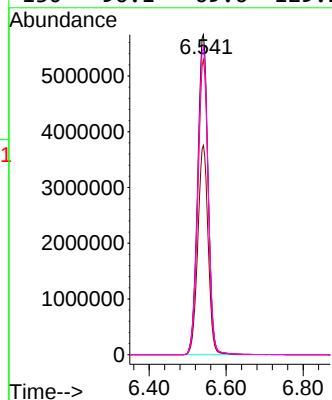
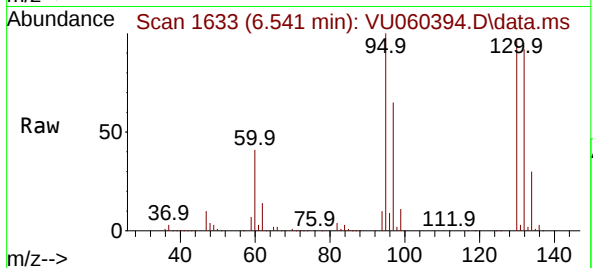


#34
Trichloroethene
Concen: 1304.279 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 95 Resp:10812769

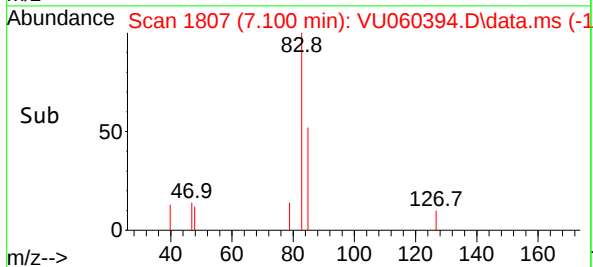
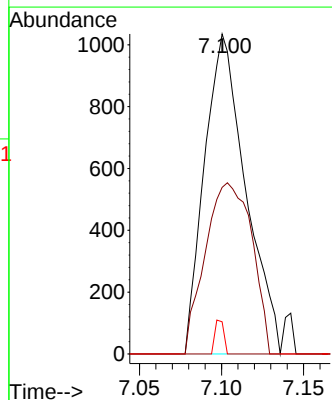
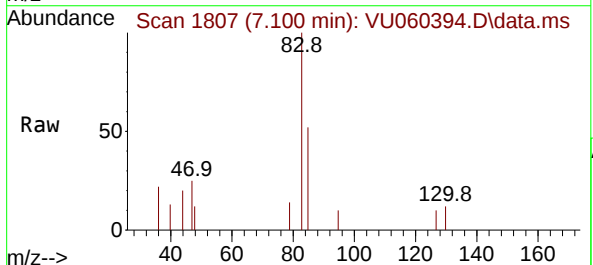
Ion	Ratio	Lower	Upper
95	100		
97	65.4	43.6	81.0
132	92.2	67.1	124.5
130	96.1	69.6	129.2

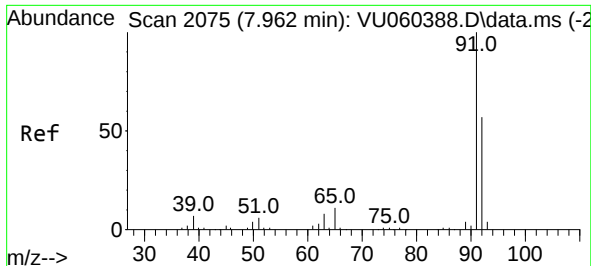


#38
Bromodichloromethane
Concen: 0.169 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.004 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

Tgt Ion: 83 Resp: 1801

Ion	Ratio	Lower	Upper
83	100		
85	52.1	42.4	78.8
127	10.0	7.0	10.4





#42

Toluene

Concen: 0.666 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.007 min

Lab File: VU060394.D

Acq: 10 Aug 2024 00:36

Instrument :

MSVOA_U

ClientSampleId :

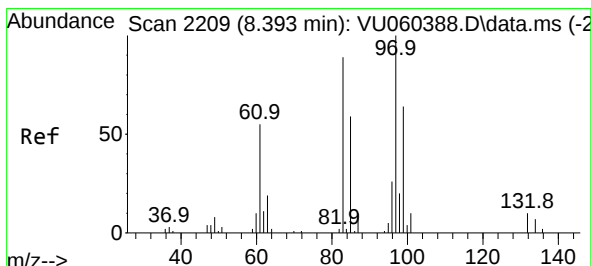
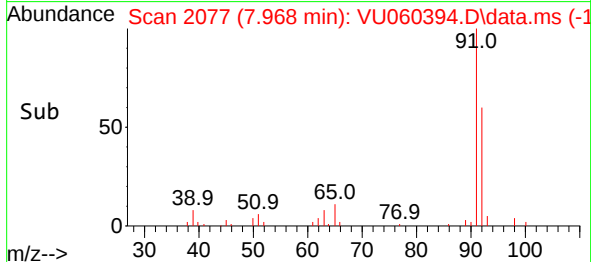
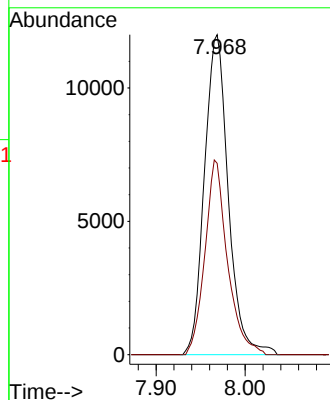
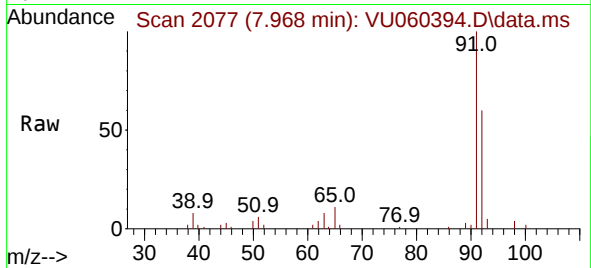
C0B39

Tgt Ion: 91 Resp: 22300

Ion Ratio Lower Upper

91 100

92 59.8 40.6 75.4



#45

1,1,2-Trichloroethane

Concen: 0.314 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU060394.D

Acq: 10 Aug 2024 00:36

Tgt Ion: 97 Resp: 2075

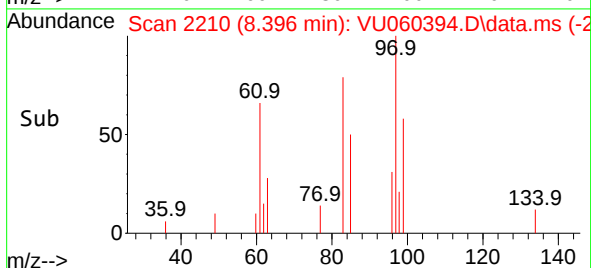
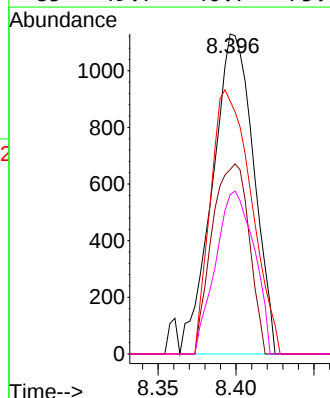
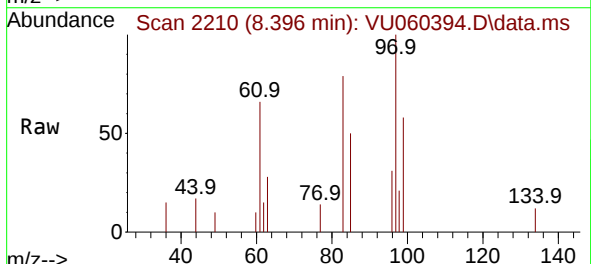
Ion Ratio Lower Upper

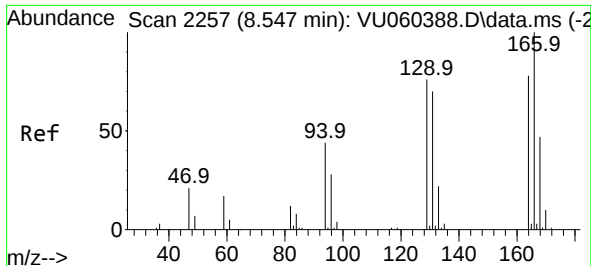
97 100

99 57.6 45.8 85.0

83 79.0 61.7 114.5

85 49.7 40.7 75.7

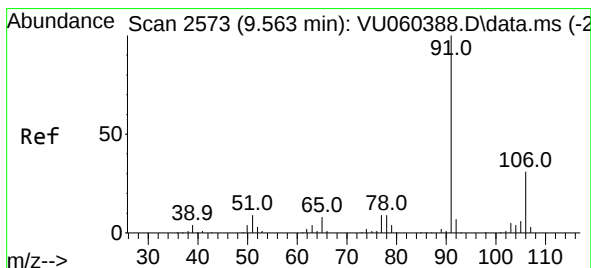
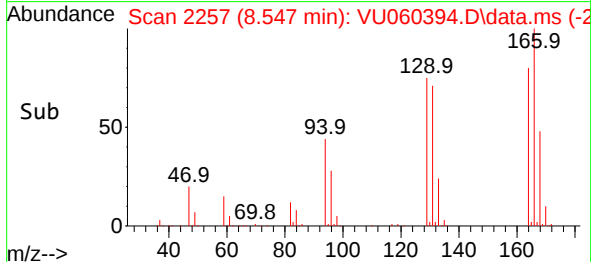
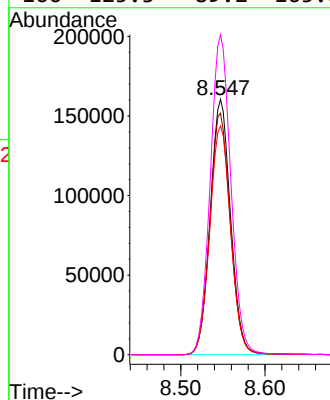
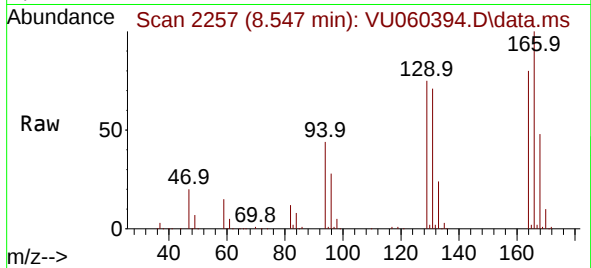




#47
Tetrachloroethene
Concen: 41.498 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

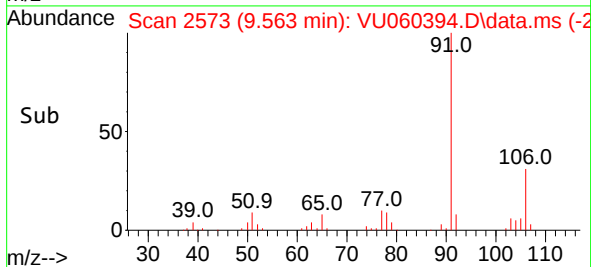
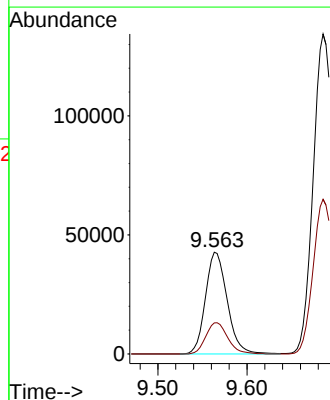
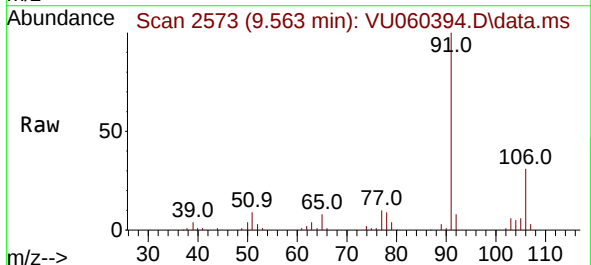
Instrument :
MSVOA_U
ClientSampleId :
C0B39

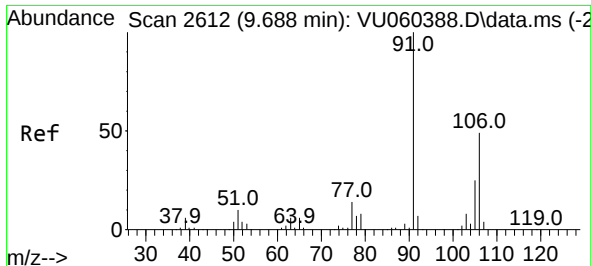
Tgt Ion:164 Resp: 269100
Ion Ratio Lower Upper
164 100
129 94.6 69.0 128.1
131 89.5 62.6 116.3
166 125.3 89.2 165.8



#52
Ethylbenzene
Concen: 2.055 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

Tgt Ion: 91 Resp: 72446
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.2





#53

m,p-Xylene

Concen: 8.495 ug/L

RT: 9.685 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU060394.D

Acq: 10 Aug 2024 00:36

Instrument :

MSVOA_U

ClientSampleId :

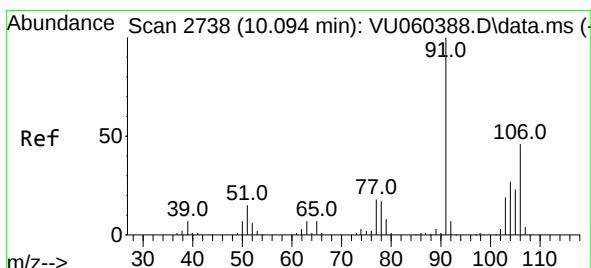
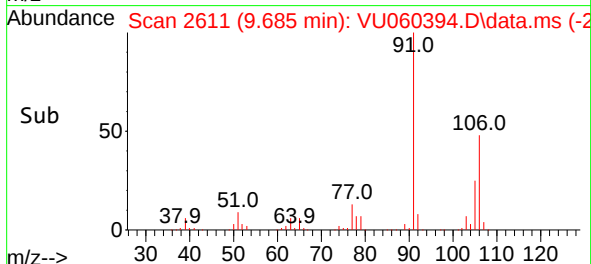
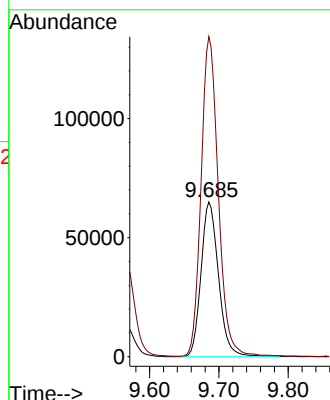
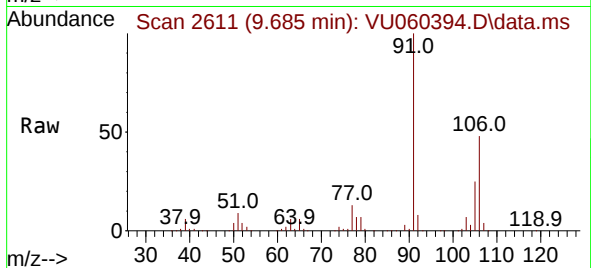
C0B39

Tgt Ion:106 Resp: 113831

Ion Ratio Lower Upper

106 100

91 206.8 143.2 266.0



#54

o-Xylene

Concen: 4.453 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU060394.D

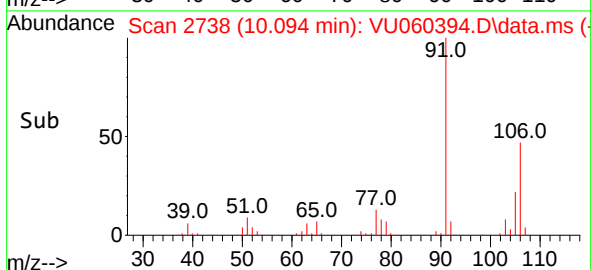
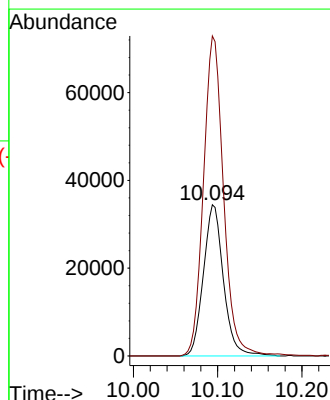
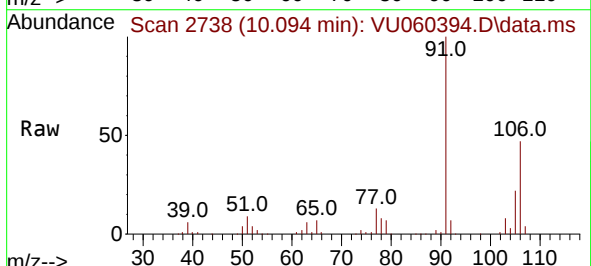
Acq: 10 Aug 2024 00:36

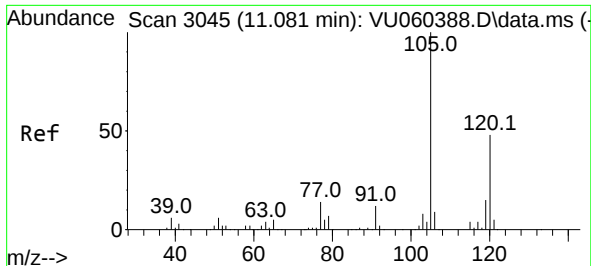
Tgt Ion:106 Resp: 57098

Ion Ratio Lower Upper

106 100

91 211.6 150.2 279.0

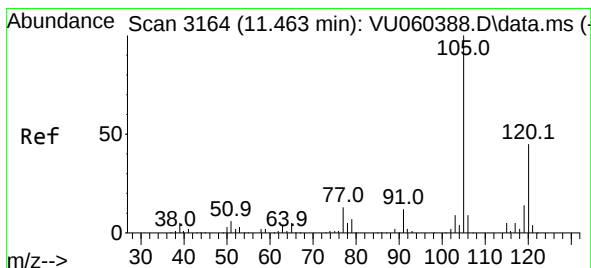
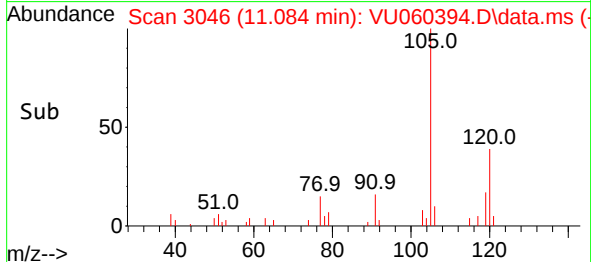
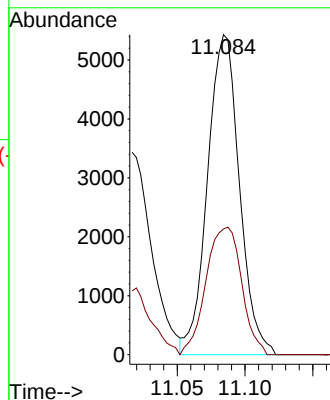
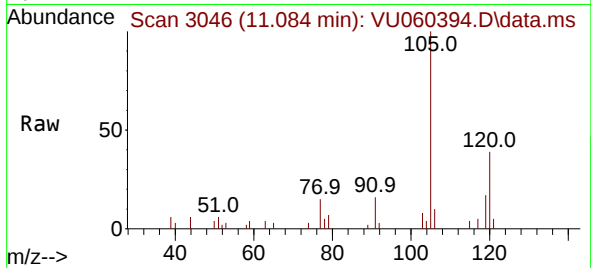




#62
1,3,5-Trimethylbenzene
Concen: 0.356 ug/L
RT: 11.084 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

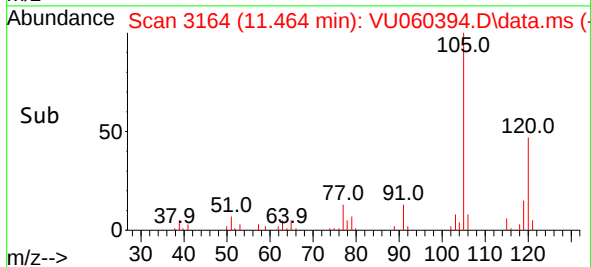
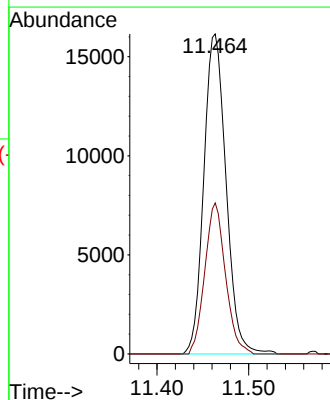
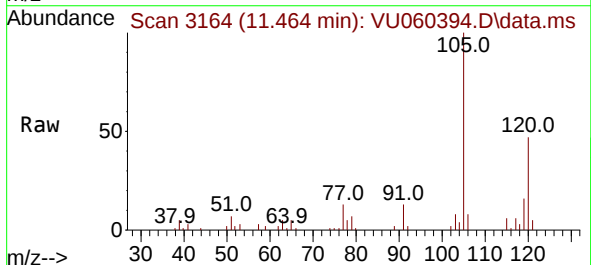
Instrument :
MSVOA_U
ClientSampleId :
C0B39

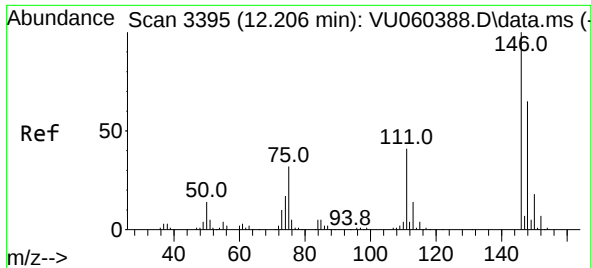
Tgt Ion:105 Resp: 8875
Ion Ratio Lower Upper
105 100
120 44.5 39.3 58.9



#63
1,2,4-Trimethylbenzene
Concen: 1.107 ug/L
RT: 11.464 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU060394.D
Acq: 10 Aug 2024 00:36

Tgt Ion:105 Resp: 27234
Ion Ratio Lower Upper
105 100
120 43.9 36.1 54.1





#67

1,2-Dichlorobenzene

Concen: 0.736 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU060394.D

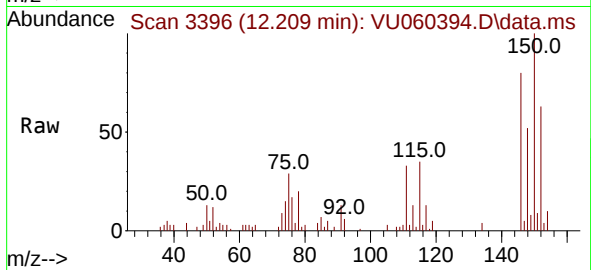
Acq: 10 Aug 2024 00:36

Instrument :

MSVOA_U

ClientSampleId :

C0B39



Tgt Ion:146 Resp: 11486

Ion Ratio Lower Upper

146 100

111 41.2 32.0 48.0

148 64.8 51.8 77.8

