

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041624\
 Data File : VU058728.D
 Acq On : 16 Apr 2024 19:59
 Operator : MD/SY
 Sample : P2143-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ7

Quant Time: Apr 17 01:15:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 17 01:09:43 2024
 Response via : Initial Calibration

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

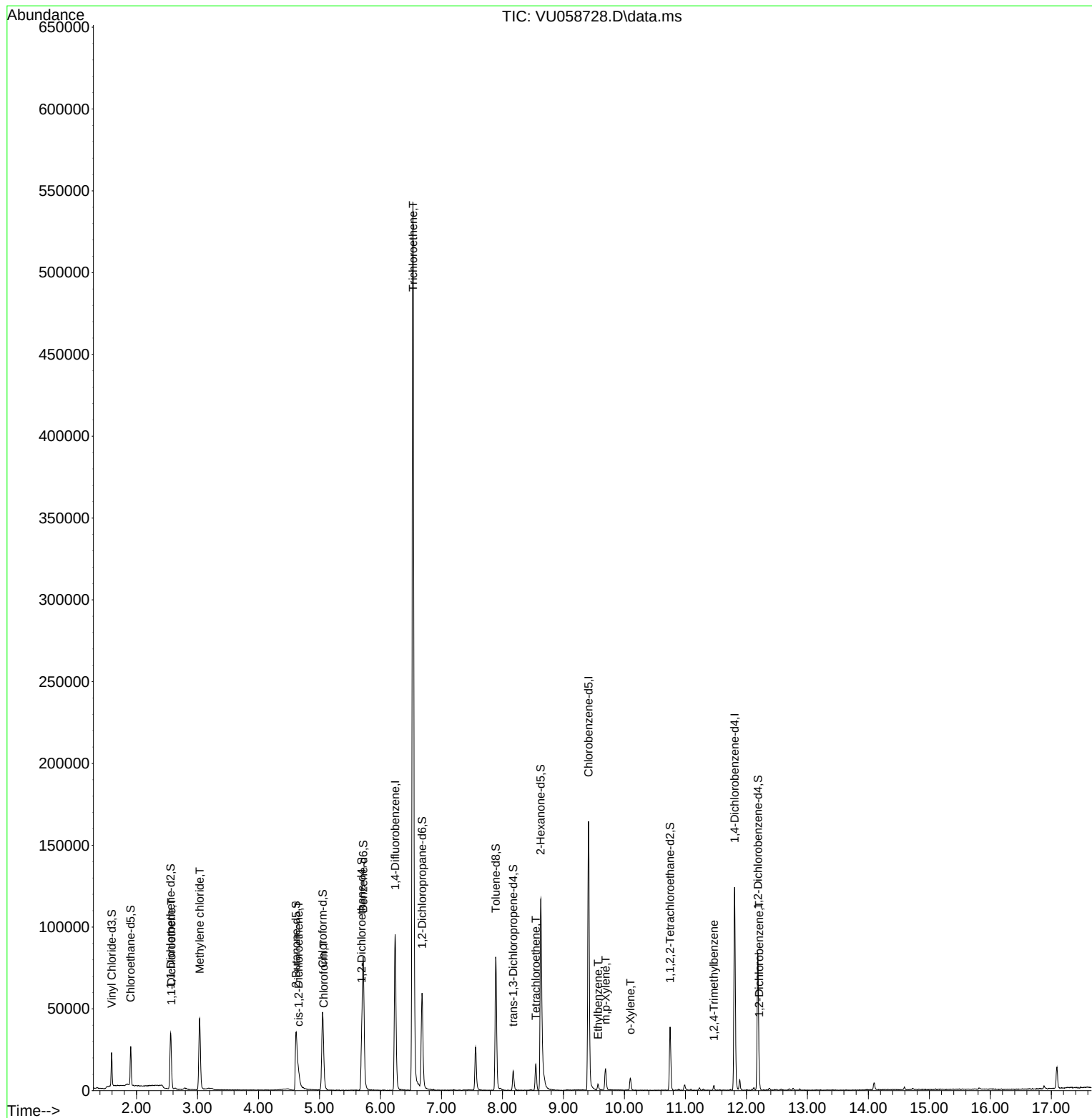
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	74215	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	90551	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	31806	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	14298	2.910	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.200%
7) Chloroethane-d5	1.904	69	15926	3.730	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.560	65	6245	2.808	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.200%#
20) 2-Butanone-d5	4.615	46	63192	61.027	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.060%
24) Chloroform-d	5.052	84	42831	4.367	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.692	65	22562	4.929	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.718	84	73794	3.027	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	60.600%#
36) 1,2-Dichloropropane-d6	6.682	67	27435	3.588	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	71.800%
41) Toluene-d8	7.891	98	55077	2.548	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	51.000%#
43) trans-1,3-Dichloroprop...	8.177	79	7007	2.953	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.000%
46) 2-Hexanone-d5	8.627	63	41630	42.530	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	20403	3.780	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	20232	3.777	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	75.600%#
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.570	96	1636	0.311	ug/L	# 1
16) Methylene chloride	3.036	84	18904	2.708	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	2034	0.329	ug/L	92
25) Chloroform	5.071	83	2322	0.199	ug/L	94
34) Trichloroethene	6.534	95	186493	22.540	ug/L	97
47) Tetrachloroethene	8.547	164	3445	0.568	ug/L	94
52) Ethylbenzene	9.566	91	3068	0.084	ug/L	91
53) m,p-Xylene	9.692	106	3861	0.296	ug/L	97
54) o-Xylene	10.100	106	2054	0.160	ug/L	98
63) 1,2,4-Trimethylbenzene	11.470	105	2190	0.113	ug/L	92
67) 1,2-Dichlorobenzene	12.209	146	1262	0.123	ug/L	97

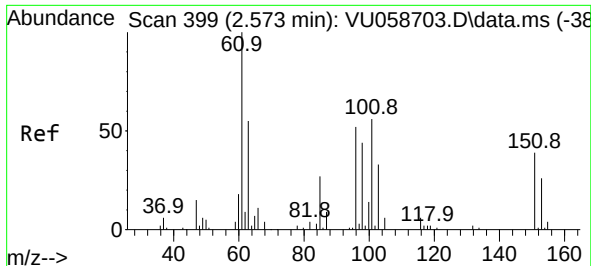
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.311 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

Instrument :

MSVOA_U

ClientSampleId :

C0AQ7

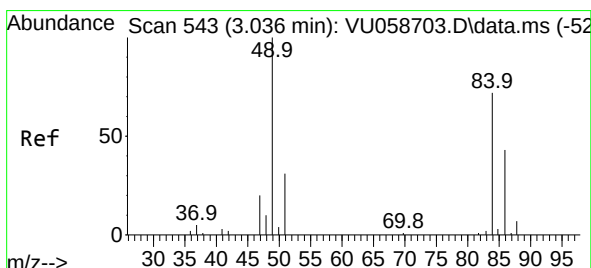
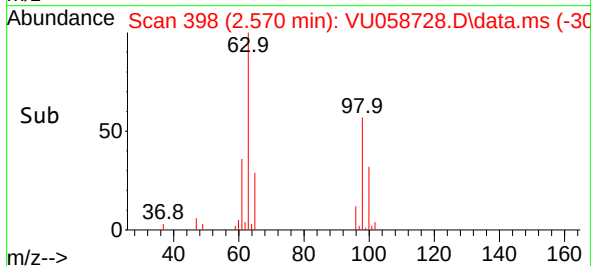
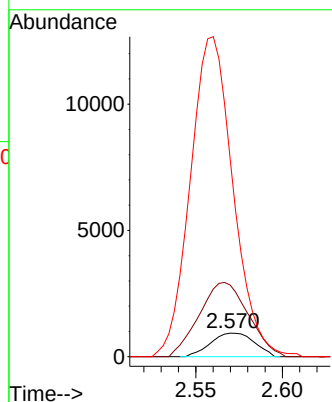
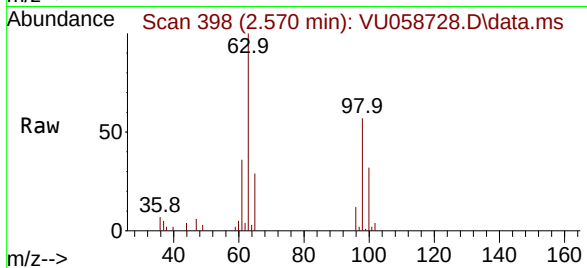
Tgt Ion: 96 Resp: 1636

Ion Ratio Lower Upper

96 100

61 305.9 132.5 246.1#

63 845.3 87.7 162.9#



#16

Methylene chloride

Concen: 2.708 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

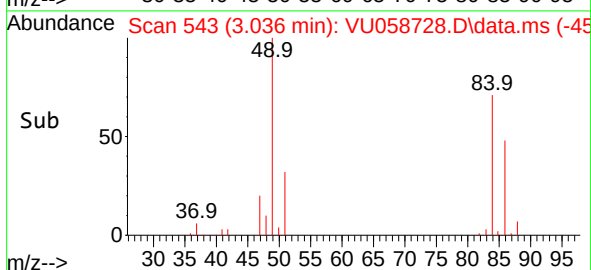
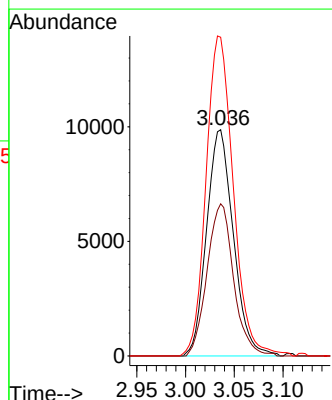
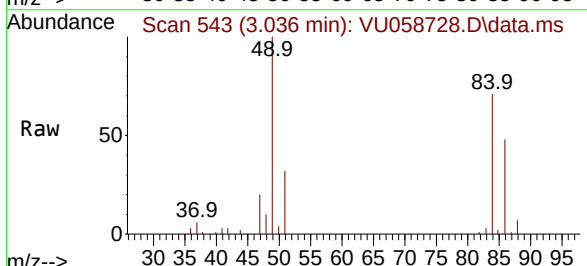
Tgt Ion: 84 Resp: 18904

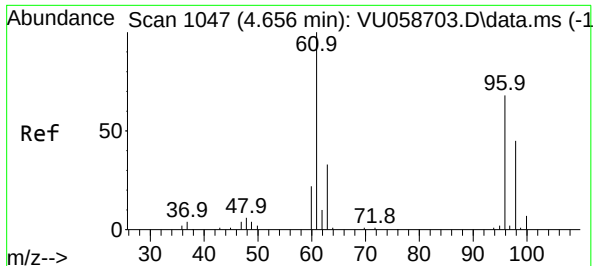
Ion Ratio Lower Upper

84 100

86 67.2 44.3 82.3

49 140.8 96.0 178.2





#22

cis-1,2-Dichloroethene

Concen: 0.329 ug/L

RT: 4.660 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

Instrument :

MSVOA_U

ClientSampleId :

C0AQ7

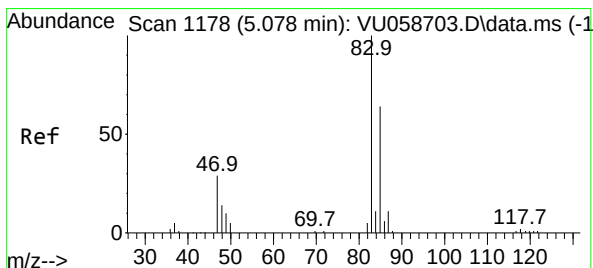
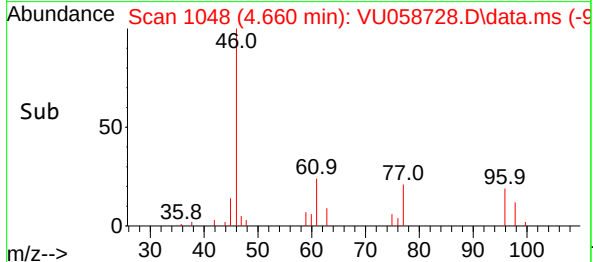
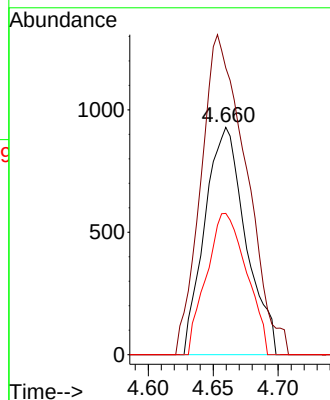
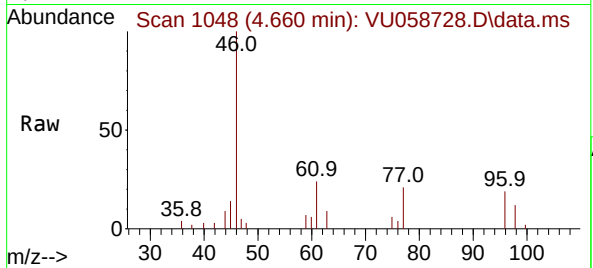
Tgt Ion: 96 Resp: 2034

Ion Ratio Lower Upper

96 100

61 126.0 98.1 182.3

98 62.1 43.6 81.0



#25

Chloroform

Concen: 0.199 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. -0.006 min

Lab File: VU058728.D

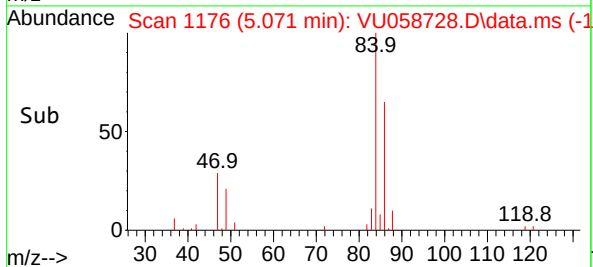
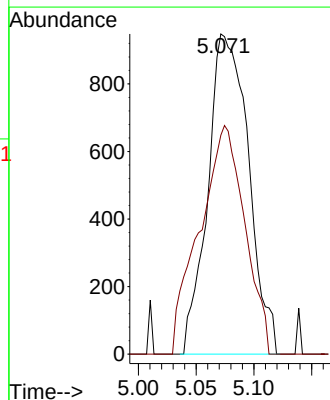
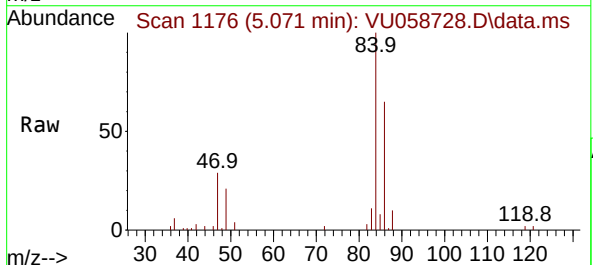
Acq: 16 Apr 2024 19:59

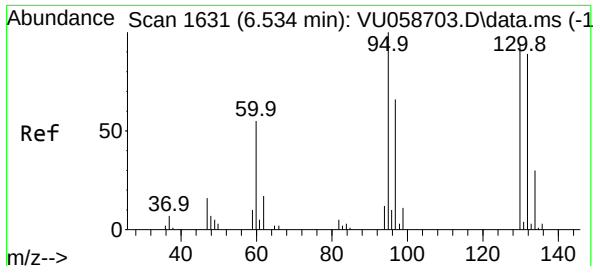
Tgt Ion: 83 Resp: 2322

Ion Ratio Lower Upper

83 100

85 68.4 44.7 83.1

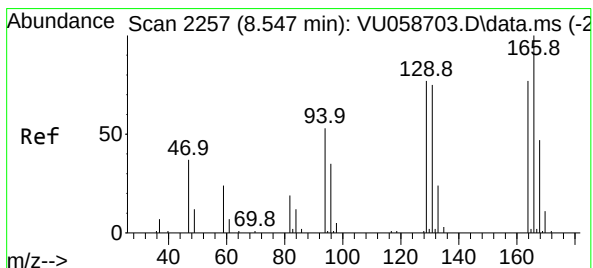
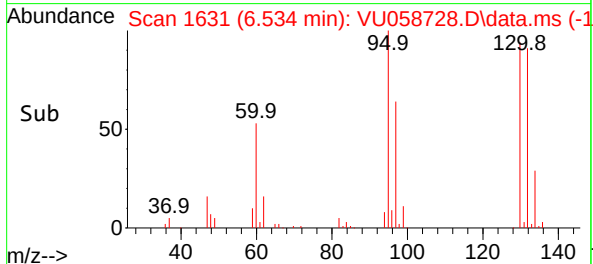
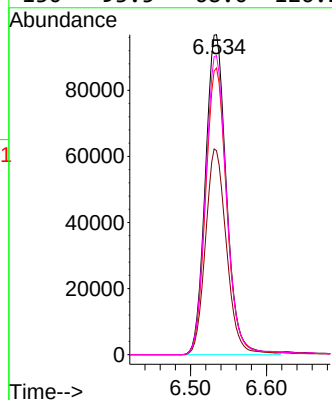
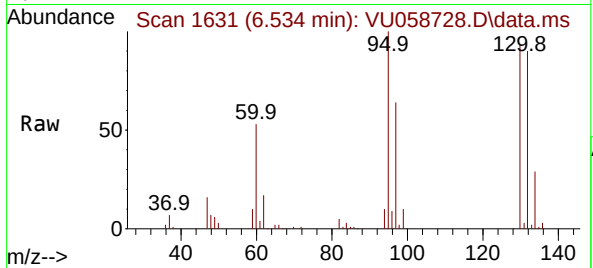




#34
Trichloroethene
Concen: 22.540 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

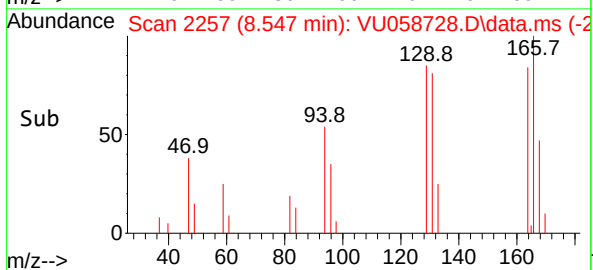
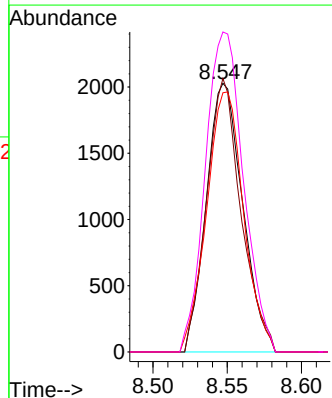
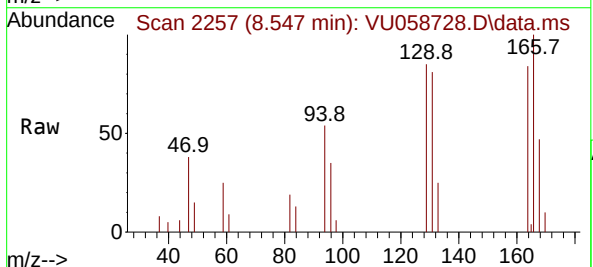
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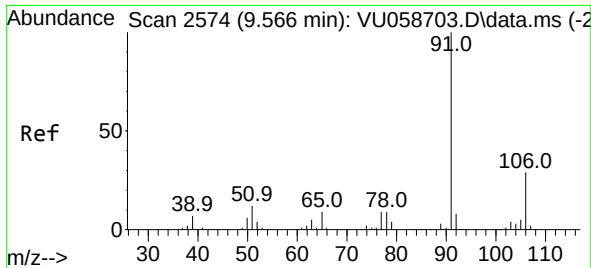
Tgt Ion: 95 Resp: 186493
Ion Ratio Lower Upper
95 100
97 63.8 45.6 84.6
132 89.6 64.8 120.3
130 93.5 68.0 126.2



#47
Tetrachloroethene
Concen: 0.568 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

Tgt Ion: 164 Resp: 3445
Ion Ratio Lower Upper
164 100
129 101.8 67.3 125.1
131 96.5 65.5 121.6
166 119.1 89.5 166.1

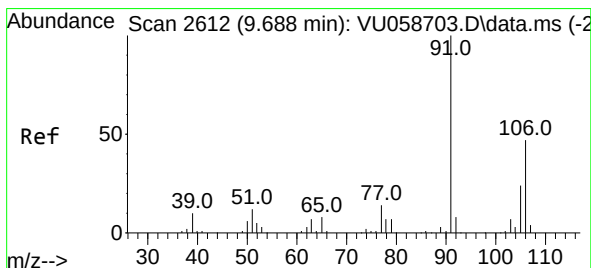
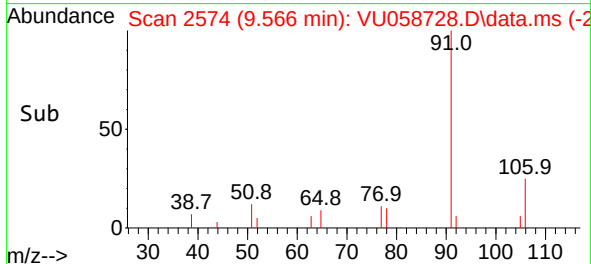
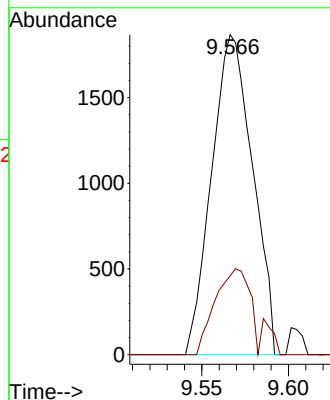
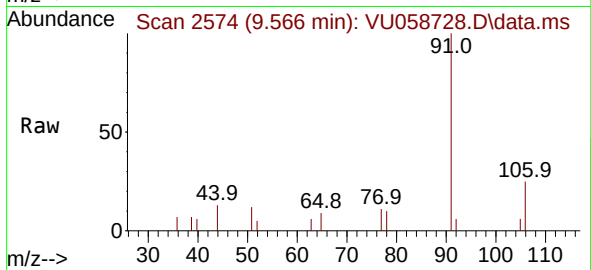




#52
Ethylbenzene
Concen: 0.084 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

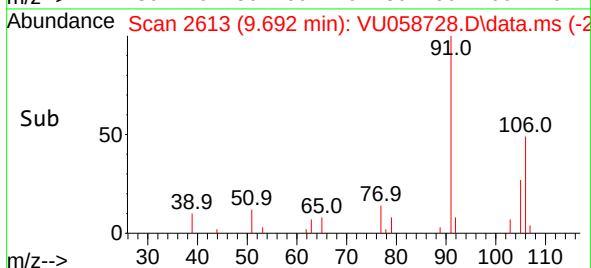
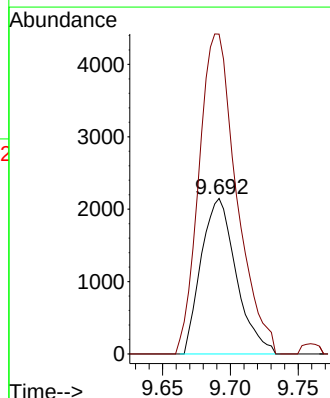
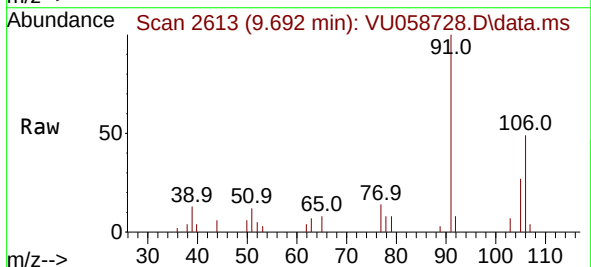
Instrument :
MSVOA_U
ClientSampleId :
C0AQ7

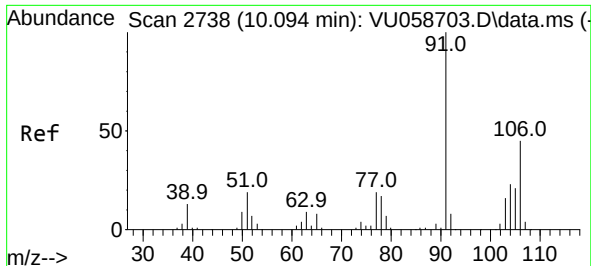
Tgt Ion: 91 Resp: 3068
Ion Ratio Lower Upper
91 100
106 24.6 20.6 38.4



#53
m,p-Xylene
Concen: 0.296 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

Tgt Ion: 106 Resp: 3861
Ion Ratio Lower Upper
106 100
91 205.7 147.8 274.4

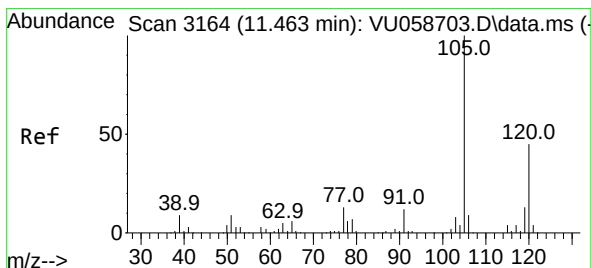
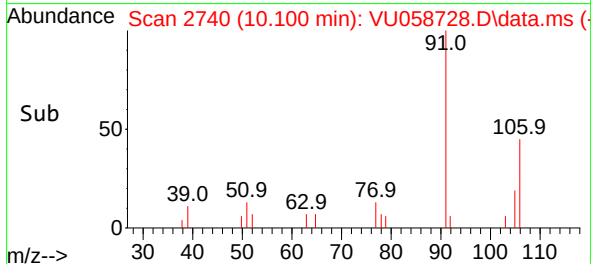
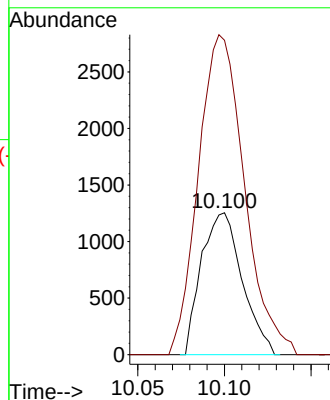
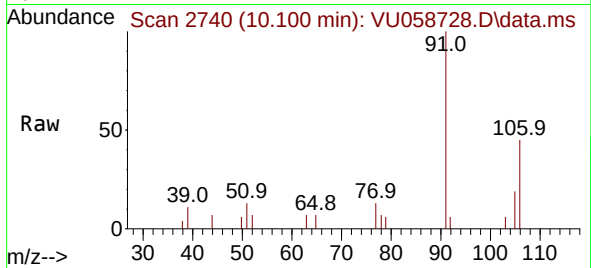




#54
o-Xylene
Concen: 0.160 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

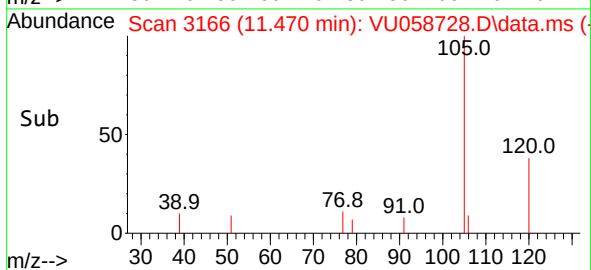
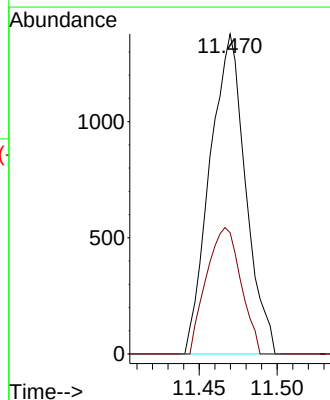
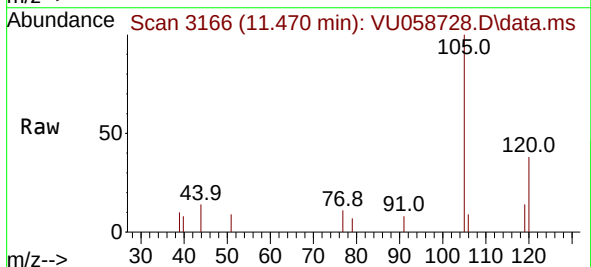
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MSVOA_U
ClientSampleId :
C0AQ7

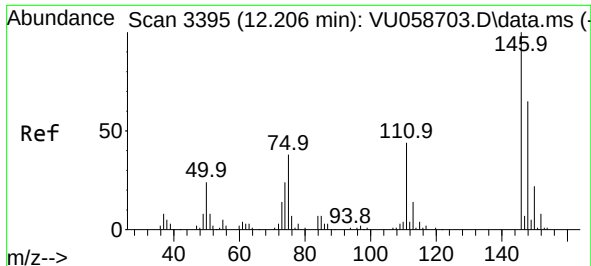
Tgt Ion:106 Resp: 2054
Ion Ratio Lower Upper
106 100
91 221.4 156.9 291.5



#63
1,2,4-Trimethylbenzene
Concen: 0.113 ug/L
RT: 11.470 min Scan# 3166
Delta R.T. 0.007 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

Tgt Ion:105 Resp: 2190
Ion Ratio Lower Upper
105 100
120 38.2 34.7 52.1





#67

1,2-Dichlorobenzene

Concen: 0.123 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU058728.D

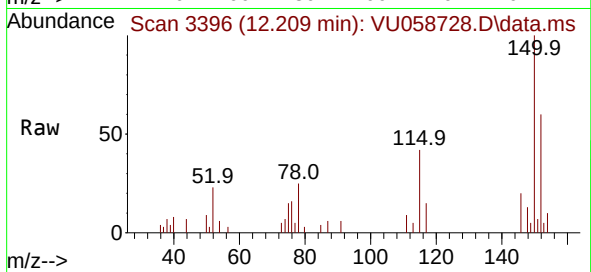
Acq: 16 Apr 2024 19:59

Instrument :

MSVOA_U

ClientSampleId :

C0AQ7



Tgt Ion:146 Resp: 1262

Ion Ratio Lower Upper

146 100

111 44.3 35.0 52.4

148 62.8 52.5 78.7

