

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101222\
 Data File : VU051395.D
 Acq On : 12 Oct 2022 16:54
 Operator : JC/MD
 Sample : N5041-02DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005177

Quant Time: Oct 13 01:41:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 13 01:37:29 2022
 Response via : Initial Calibration

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

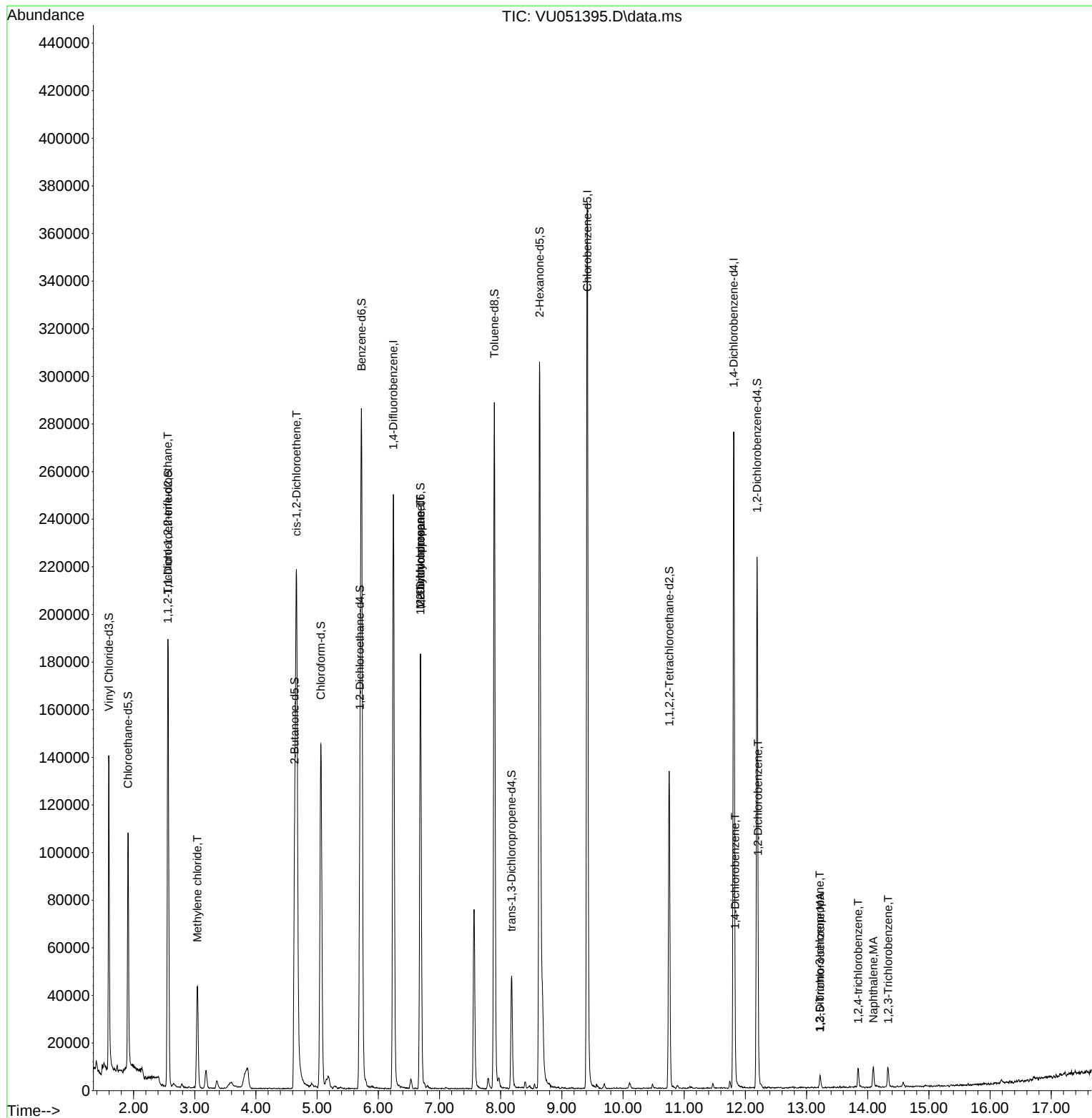
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	197533	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	213265	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	75412	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	102338	6.423	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.400%
7) Chloroethane-d5	1.909	69	70448	5.146	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.000%
11) 1,1-Dichloroethene-d2	2.562	65	36242	5.754	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.000%
20) 2-Butanone-d5	4.633	46	163669	46.654	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.300%
24) Chloroform-d	5.060	84	139521	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	5.700	65	74286	4.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.726	84	268019	4.568	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.687	67	90120	4.523	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.896	98	196484	3.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.800%
43) trans-1,3-Dichloroprop...	8.179	79	28399	4.338	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.636	63	87514	39.666	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.340%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	69711	4.380	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	58935	4.496	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	1209	0.079	ug/L #	30
16) Methylene chloride	3.041	84	21385	1.005	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	88303	5.260	ug/L	98
35) Methylcyclohexane	6.690	83	19924	0.889	ug/L #	17
37) 1,2-Dichloropropane	6.690	63	9408	0.482	ug/L #	88
65) 1,4-Dichlorobenzene	11.832	146	1729	0.074	ug/L #	87
67) 1,2-Dichlorobenzene	12.208	146	1663	0.072	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.218	75	298	0.164	ug/L #	5
69) 1,3,5-Trichlorobenzene	13.224	180	2201	0.135	ug/L	89
70) 1,2,4-trichlorobenzene	13.841	180	3259	0.282	ug/L	88
71) Naphthalene	14.092	128	9243	0.430	ug/L #	92
72) 1,2,3-Trichlorobenzene	14.333	180	3358	0.280	ug/L	98

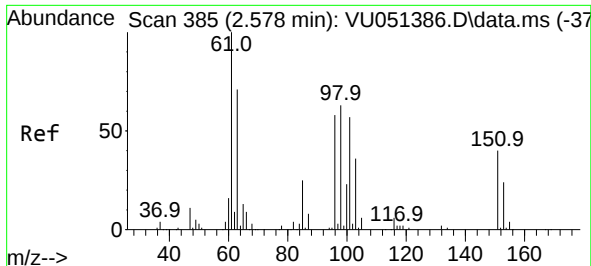
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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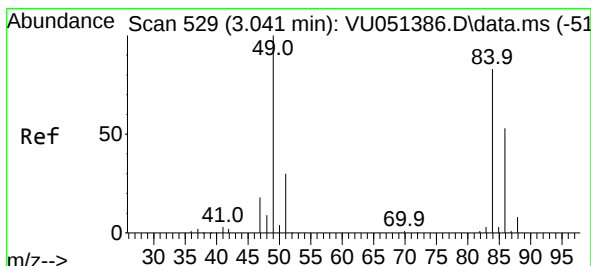
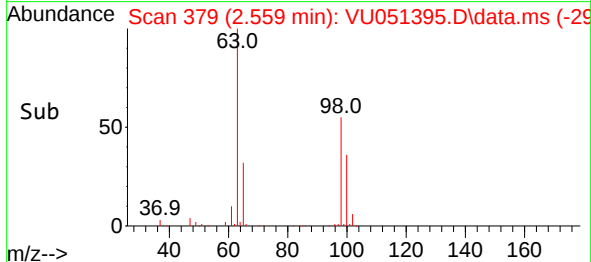
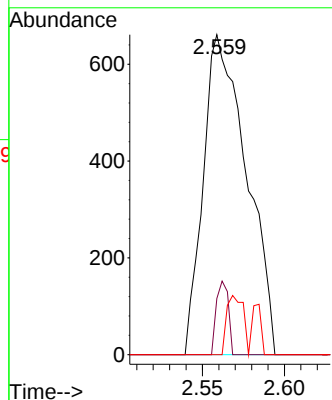
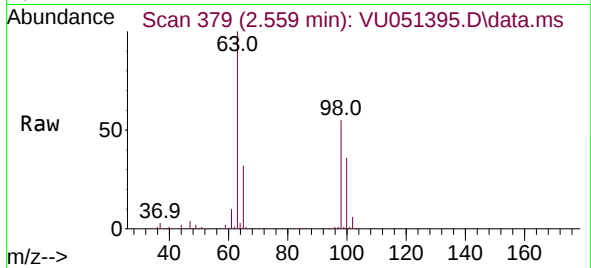




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.079 ug/L
RT: 2.559 min Scan# 31
Delta R.T. -0.019 min
Lab File: VU051395.D
Acq: 12 Oct 2022 16:54

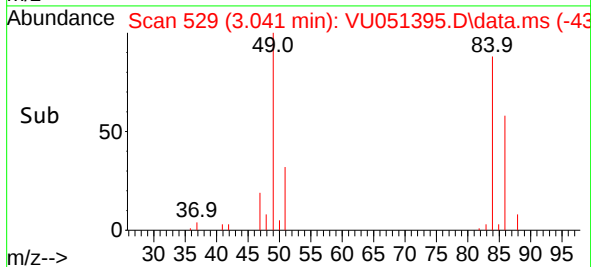
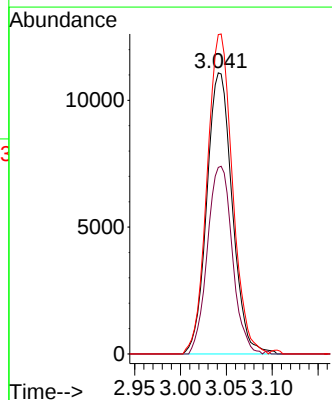
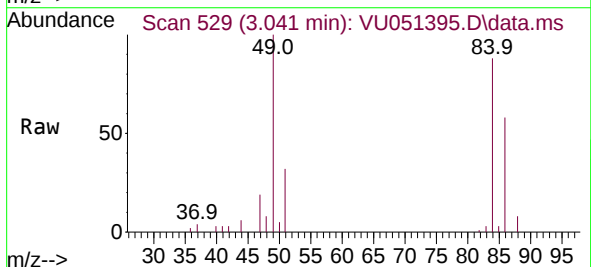
Instrument :
MSVOA_U
ClientSampleId :
VSTD005177

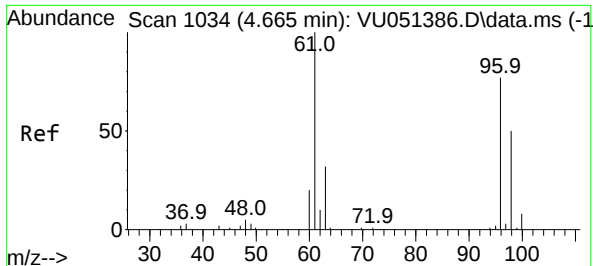
Tgt Ion:101 Resp: 1209
Ion Ratio Lower Upper
101 100
85 6.4 34.6 51.8#
151 7.0 56.5 84.7#



#16
Methylene chloride
Concen: 1.005 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU051395.D
Acq: 12 Oct 2022 16:54

Tgt Ion: 84 Resp: 21385
Ion Ratio Lower Upper
84 100
86 66.4 46.5 86.3
49 113.6 81.3 151.1

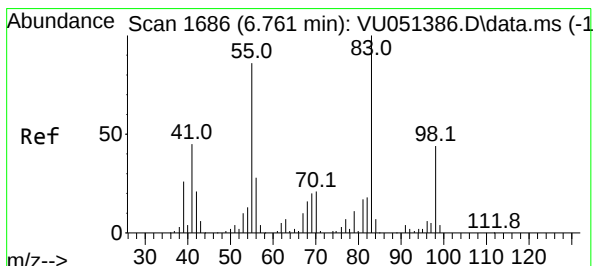
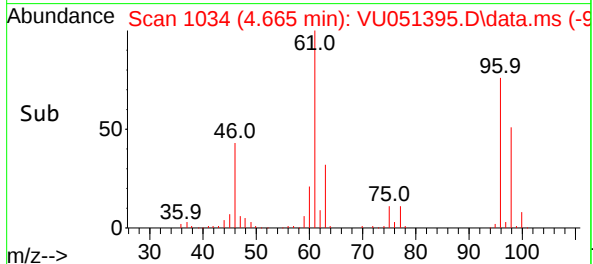
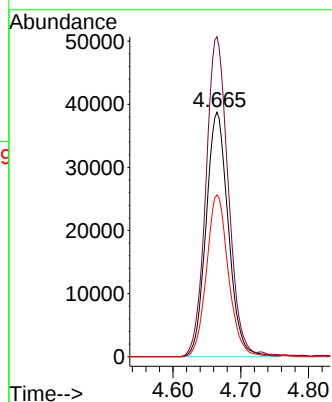
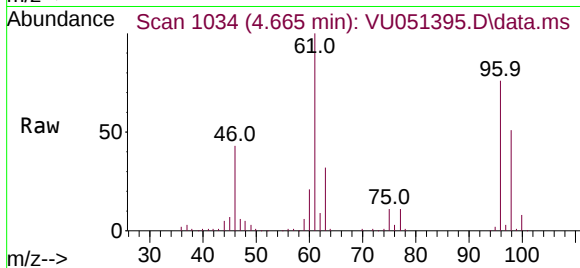




#22
 cis-1,2-Dichloroethene
 Concen: 5.260 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU051395.D
 Acq: 12 Oct 2022 16:54

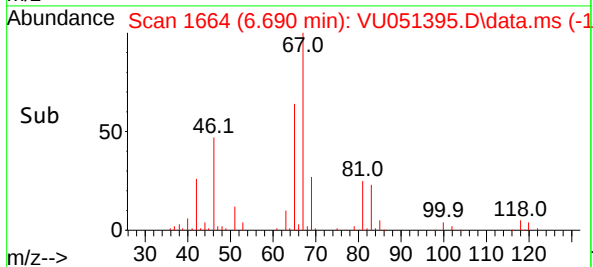
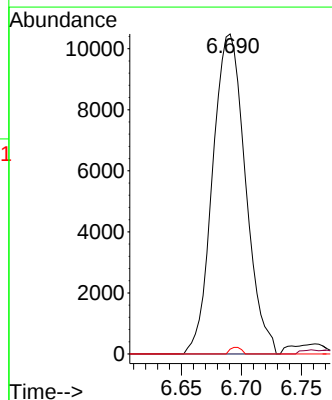
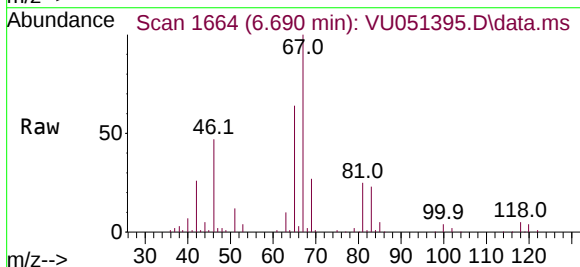
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005177

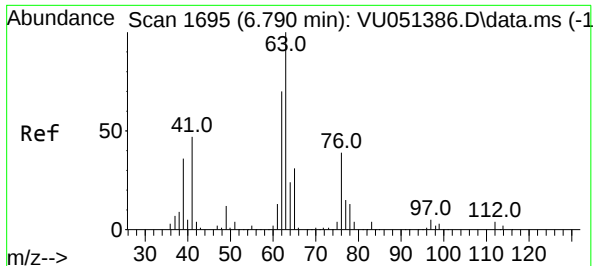
Tgt Ion: 96 Resp: 88303
 Ion Ratio Lower Upper
 96 100
 61 130.9 90.6 168.2
 98 66.2 47.5 88.3



#35
 Methylcyclohexane
 Concen: 0.889 ug/L
 RT: 6.690 min Scan# 1664
 Delta R.T. -0.071 min
 Lab File: VU051395.D
 Acq: 12 Oct 2022 16:54

Tgt Ion: 83 Resp: 19924
 Ion Ratio Lower Upper
 83 100
 55 0.7 65.8 98.6#
 98 0.7 35.9 53.9#





#37

1,2-Dichloropropane

Concen: 0.482 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU051395.D

Acq: 12 Oct 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

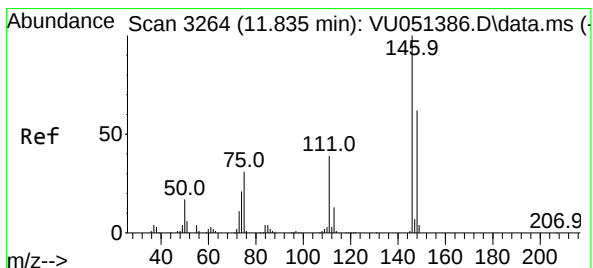
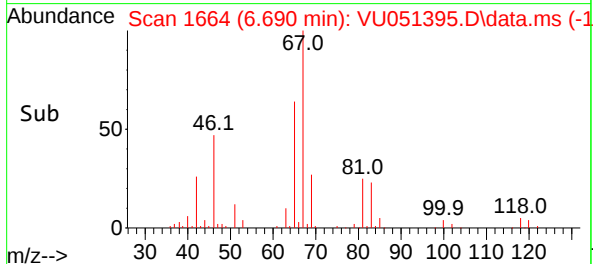
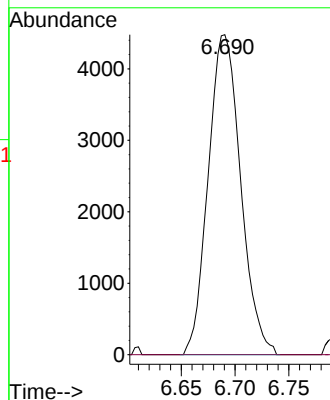
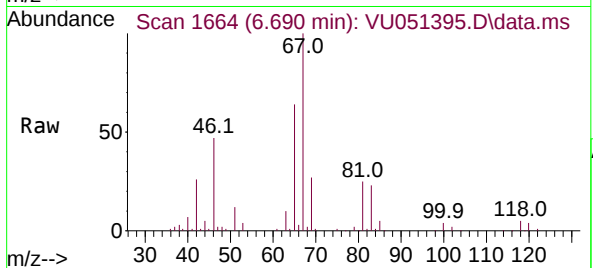
VSTD005177

Tgt Ion: 63 Resp: 9408

Ion Ratio Lower Upper

63 100

112 0.2 3.2 4.8#



#65

1,4-Dichlorobenzene

Concen: 0.074 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. -0.003 min

Lab File: VU051395.D

Acq: 12 Oct 2022 16:54

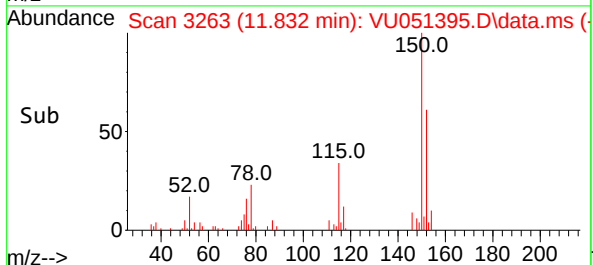
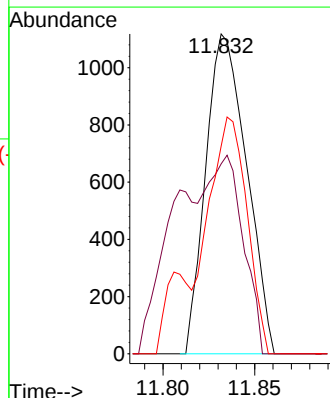
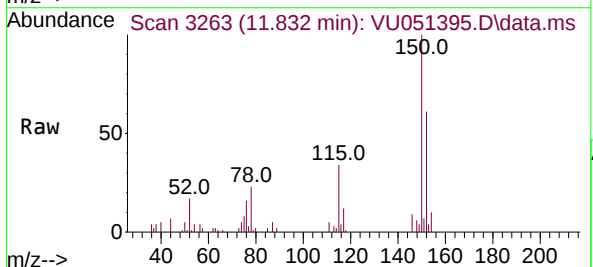
Tgt Ion: 146 Resp: 1729

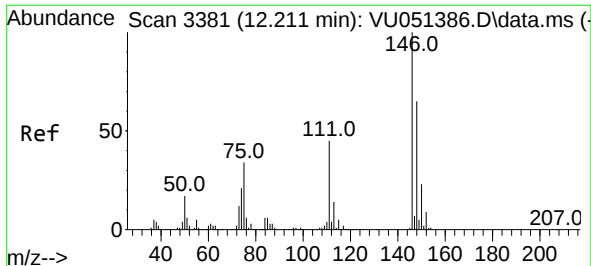
Ion Ratio Lower Upper

146 100

111 59.4 29.1 54.1#

148 64.9 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 0.072 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU051395.D

Acq: 12 Oct 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005177

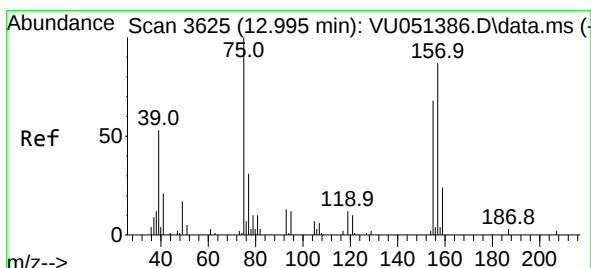
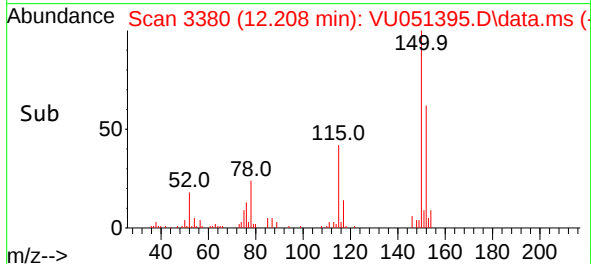
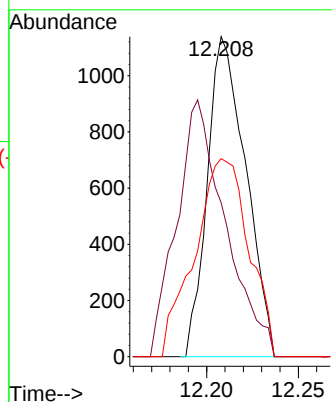
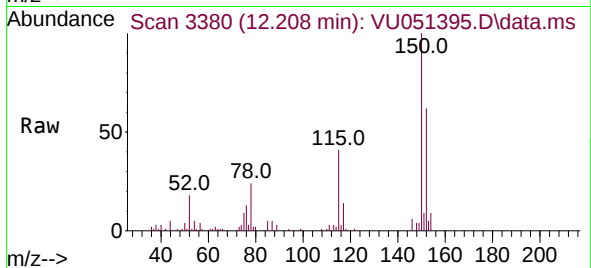
Tgt Ion:146 Resp: 1663

Ion Ratio Lower Upper

146 100

111 48.1 35.5 53.3

148 61.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 0.164 ug/L

RT: 13.218 min Scan# 3694

Delta R.T. 0.222 min

Lab File: VU051395.D

Acq: 12 Oct 2022 16:54

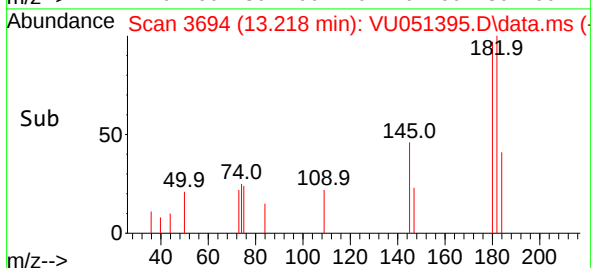
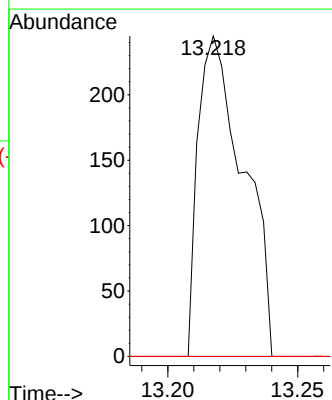
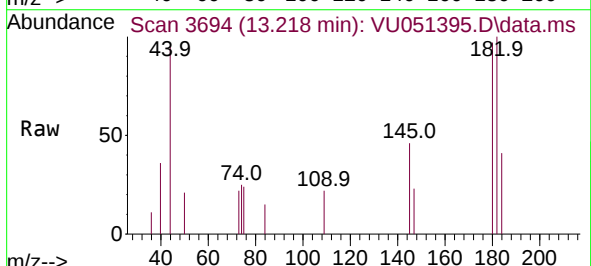
Tgt Ion: 75 Resp: 298

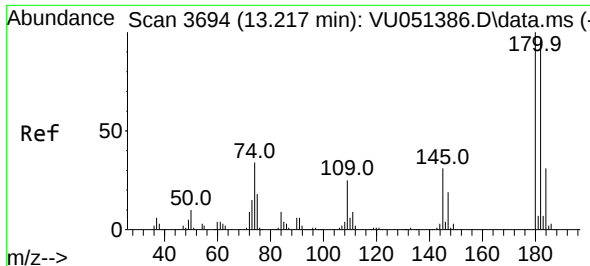
Ion Ratio Lower Upper

75 100

155 0.0 62.7 94.1#

157 0.0 78.3 117.5#

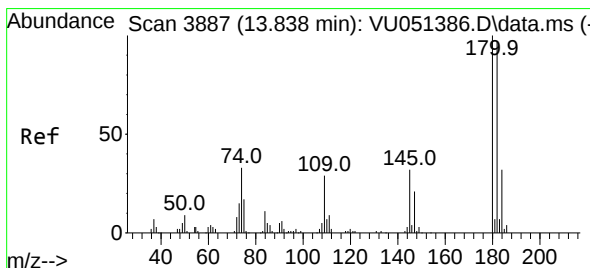
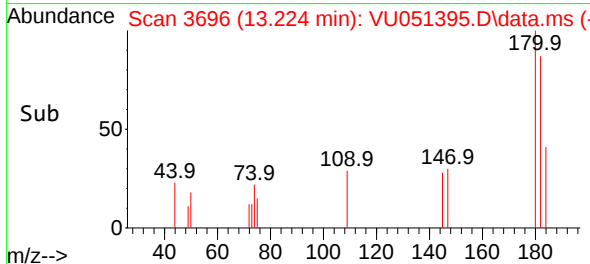
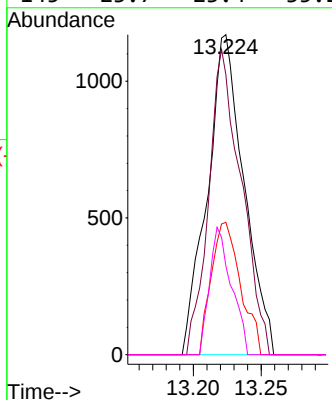
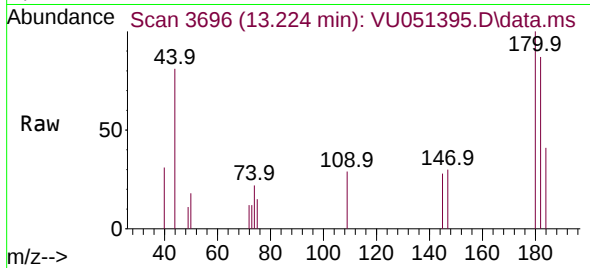




#69
1,3,5-Trichlorobenzene
Concen: 0.135 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. 0.007 min
Lab File: VU051395.D
Acq: 12 Oct 2022 16:54

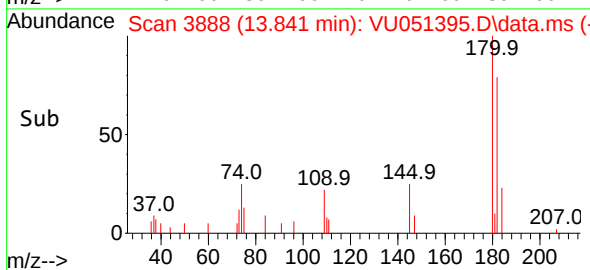
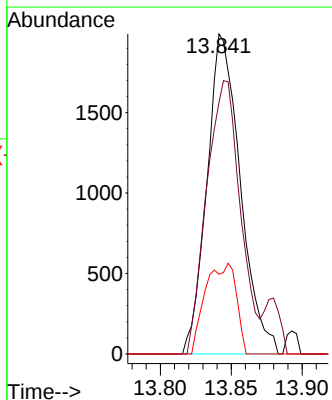
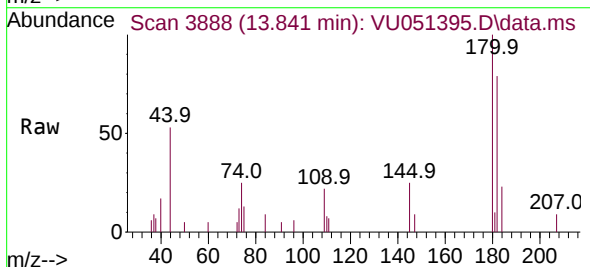
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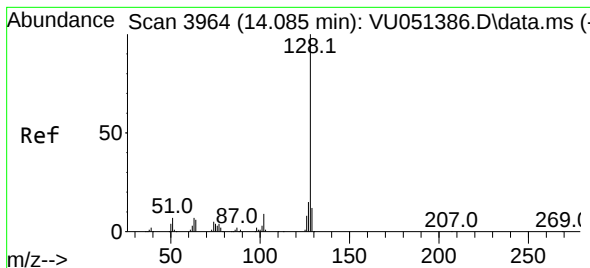
Tgt Ion:180	Resp:	2201
Ion	Ratio	Lower Upper
180	100	
182	84.6	77.7 116.5
184	33.0	23.6 35.4
145	23.7	23.4 35.2



#70
1,2,4-trichlorobenzene
Concen: 0.282 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU051395.D
Acq: 12 Oct 2022 16:54

Tgt Ion:180	Resp:	3259
Ion	Ratio	Lower Upper
180	100	
182	86.3	78.7 118.1
145	26.1	25.0 37.4





#71

Naphthalene

Concen: 0.430 ug/L

RT: 14.092 min Scan# 3964

Delta R.T. 0.007 min

Lab File: VU051395.D

Acq: 12 Oct 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005177

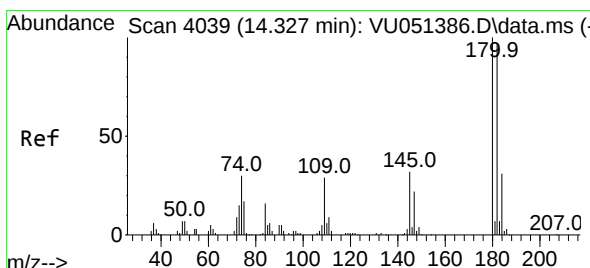
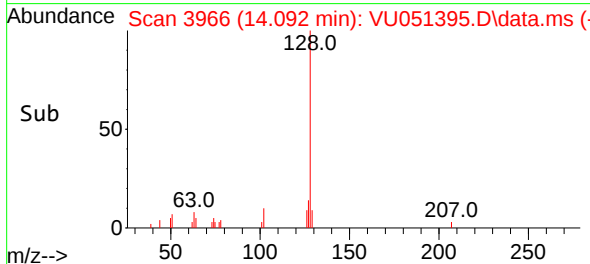
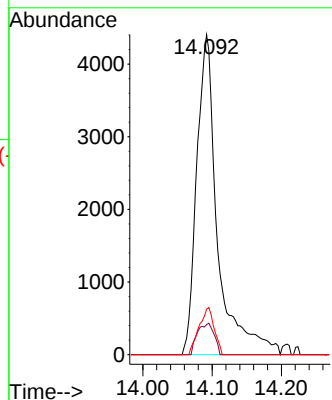
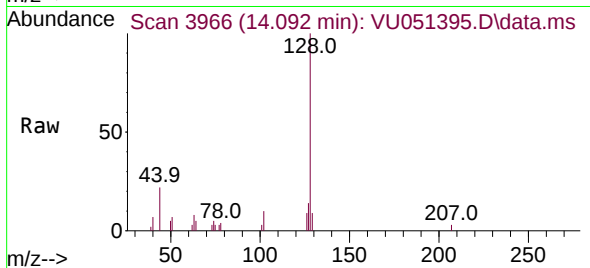
Tgt Ion:128 Resp: 9243

Ion Ratio Lower Upper

128 100

129 7.9 8.5 12.7#

127 10.7 11.1 16.7#



#72

1,2,3-Trichlorobenzene

Concen: 0.280 ug/L

RT: 14.333 min Scan# 4041

Delta R.T. 0.007 min

Lab File: VU051395.D

Acq: 12 Oct 2022 16:54

Tgt Ion:180 Resp: 3358

Ion Ratio Lower Upper

180 100

182 93.5 76.6 114.8

145 33.2 25.8 38.8

