

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052121\
 Data File : VU043894.D
 Acq On : 21 May 2021 17:10
 Operator : SY/MD
 Sample : M2459-07DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0GM7DL

Quant Time: May 22 00:54:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 22 00:45:10 2021
 Response via : Initial Calibration

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

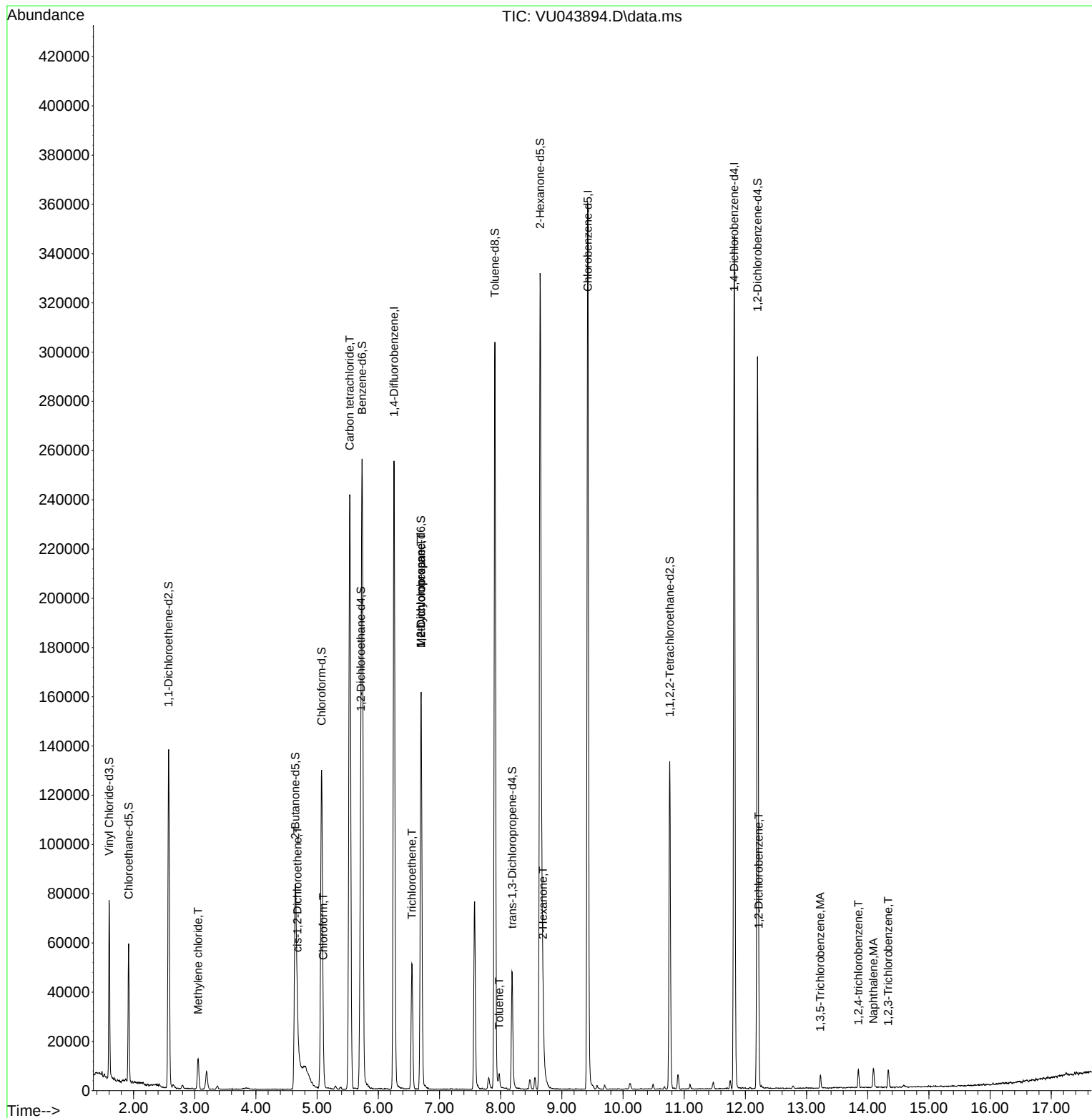
Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	212376	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	212419	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	97816	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	51537	3.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.80%
7) Chloroethane-d5	1.919	69	39959	3.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.00%
11) 1,1-Dichloroethene-d2	2.572	65	25690	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	4.645	46	146534	49.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.42%
24) Chloroform-d	5.073	84	121833	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.713	65	63876	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.735	84	245091	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.700	67	82953	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.906	98	205049	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloroprop...	8.189	79	27875	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.645	63	143260	49.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.68%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	68524	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
66) 1,2-Dichlorobenzene-d4	12.198	152	84274	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%
Target Compounds						Qvalue
16) Methylene chloride	3.054	84	6479	0.31	ug/L	88
22) cis-1,2-Dichloroethene	4.678	96	1590	0.10	ug/L	86
25) Chloroform	5.099	83	5862	0.22	ug/L	92
31) Carbon tetrachloride	5.533	117	168713	9.12	ug/L	99
34) Trichloroethene	6.549	95	17485	1.11	ug/L	97
35) Methylcyclohexane	6.700	83	19495	0.80	ug/L #	17
37) 1,2-Dichloropropane	6.700	63	8046	0.50	ug/L #	88
42) Toluene	7.976	91	4006	0.06	ug/L	99
48) 2-Hexanone	8.694	43	9592	1.26	ug/L #	84
67) 1,2-Dichlorobenzene	12.221	146	1858	0.07	ug/L	93
69) 1,3,5-Trichlorobenzene	13.224	180	2284	0.10	ug/L	94
70) 1,2,4-trichlorobenzene	13.848	180	3051	0.17	ug/L	92
71) Naphthalene	14.092	128	7773	0.24	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.336	180	3067	0.18	ug/L	97

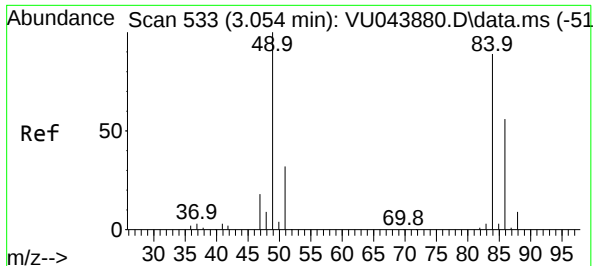
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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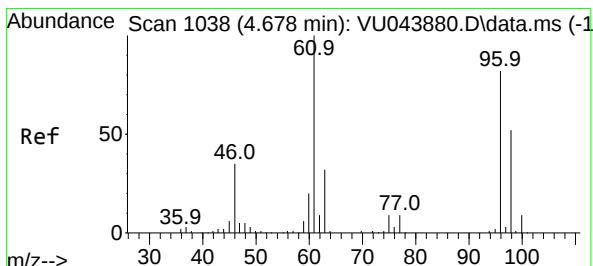
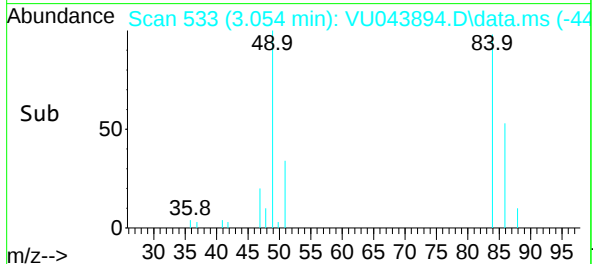
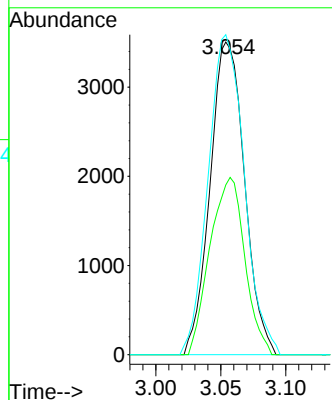
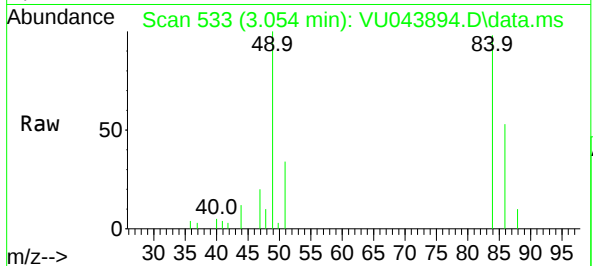




#16
Methylene chloride
Concen: 0.31 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10

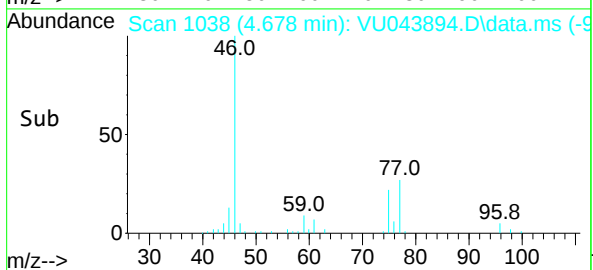
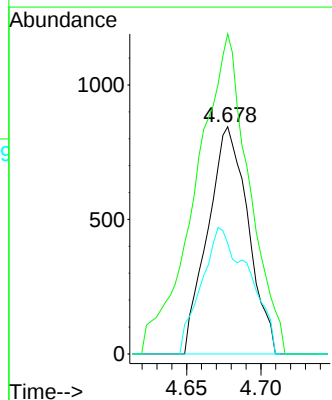
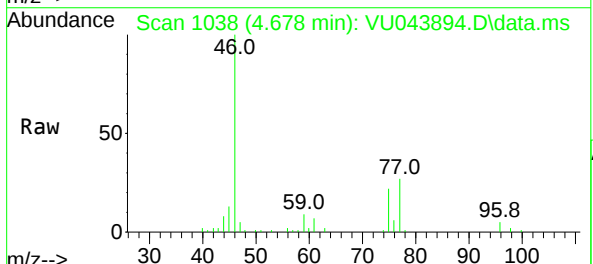
Instrument :
MSVOA_U
ClientSampled :
C0GM7DL

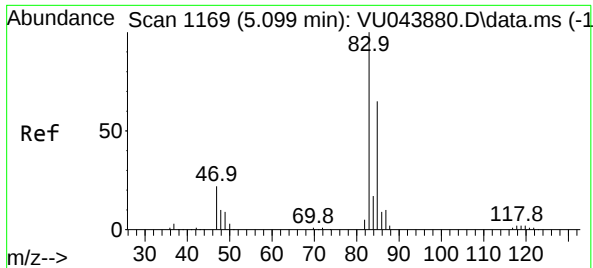
Tgt Ion: 84 Resp: 6479
Ion Ratio Lower Upper
84 100
86 54.3 44.7 82.9
49 105.7 83.1 154.3



#22
cis-1,2-Dichloroethene
Concen: 0.10 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10

Tgt Ion: 96 Resp: 1590
Ion Ratio Lower Upper
96 100
61 140.8 89.0 165.4
98 48.6 44.9 83.3





#25

Chloroform

Concen: 0.22 ug/L

RT: 5.099 min Scan# 1169

Delta R.T. 0.000 min

Lab File: VU043894.D

Acq: 21 May 2021 17:10

Tgt Ion: 83 Resp: 5862

Ion Ratio Lower Upper

83 100

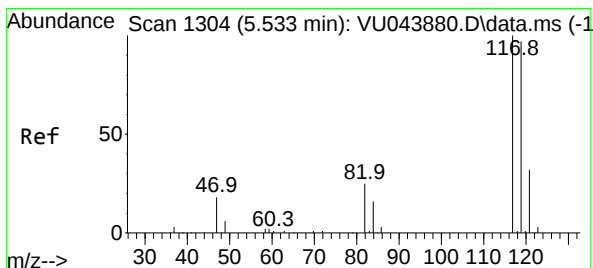
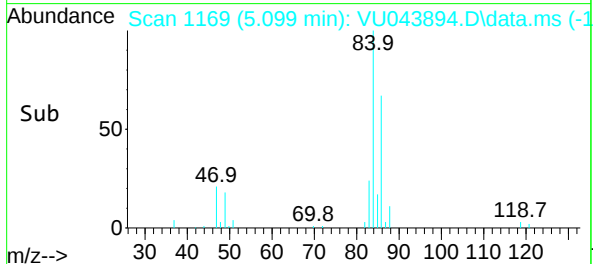
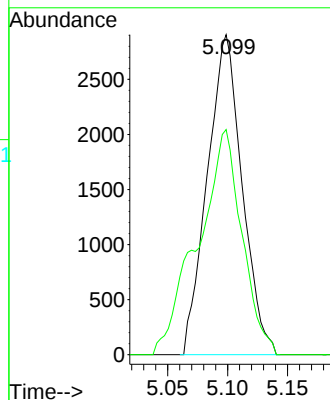
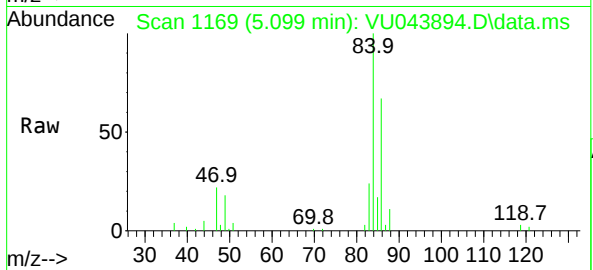
85 70.3 45.0 83.6

Instrument :

MSVOA_U

ClientSampled :

C0GM7DL



#31

Carbon tetrachloride

Concen: 9.12 ug/L

RT: 5.533 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VU043894.D

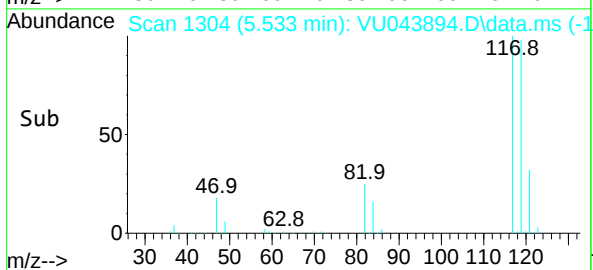
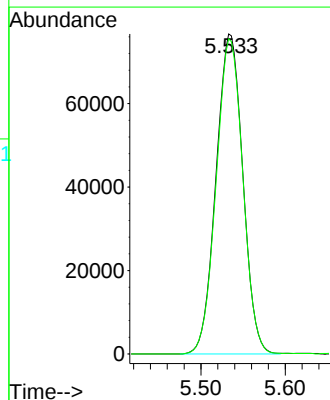
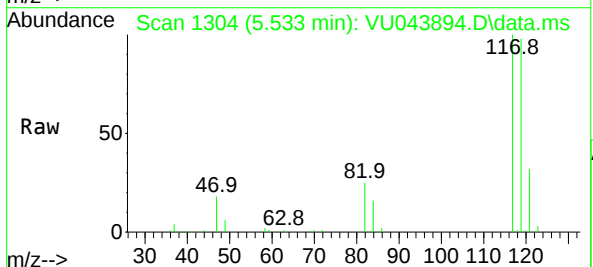
Acq: 21 May 2021 17:10

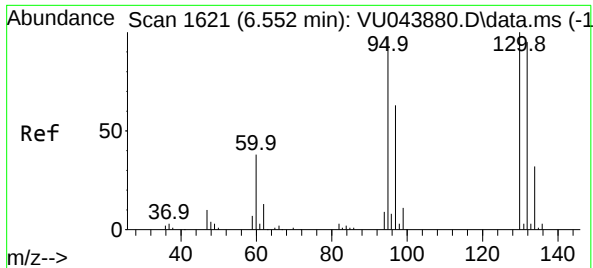
Tgt Ion: 117 Resp: 168713

Ion Ratio Lower Upper

117 100

119 98.1 77.4 116.0





#34

Trichloroethene

Concen: 1.11 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. -0.003 min

Lab File: VU043894.D

Acq: 21 May 2021 17:10

Tgt Ion: 95 Resp: 17485

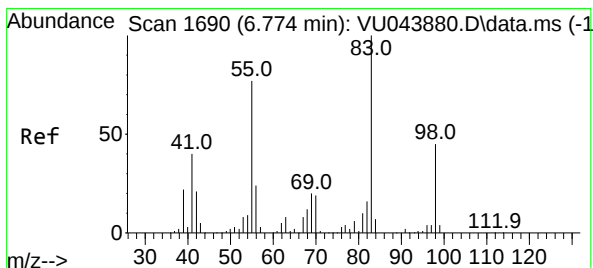
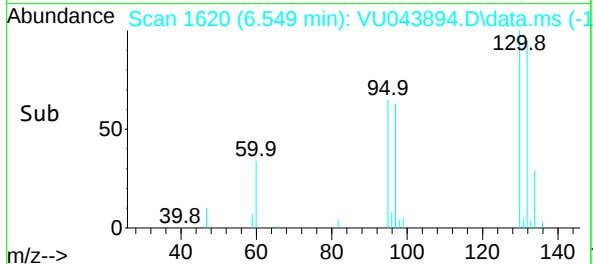
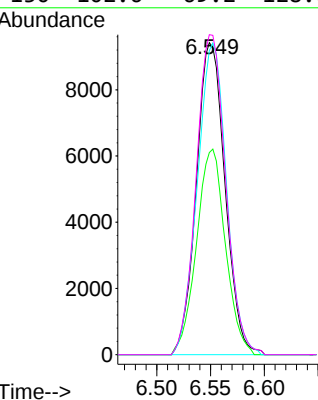
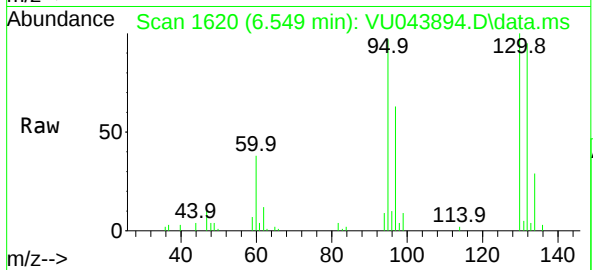
Ion Ratio Lower Upper

95 100

97 64.8 44.3 82.3

132 97.4 66.0 122.6

130 102.6 69.2 128.6



#35

Methylcyclohexane

Concen: 0.80 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.074 min

Lab File: VU043894.D

Acq: 21 May 2021 17:10

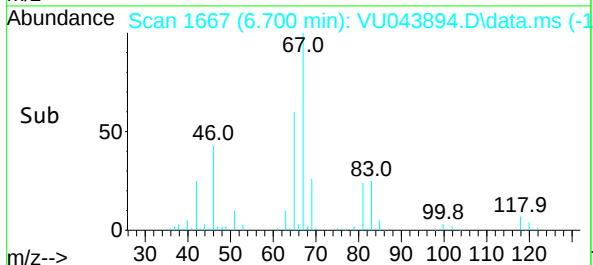
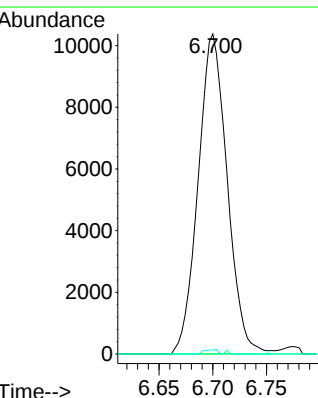
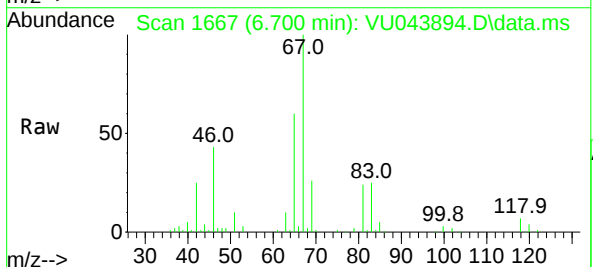
Tgt Ion: 83 Resp: 19495

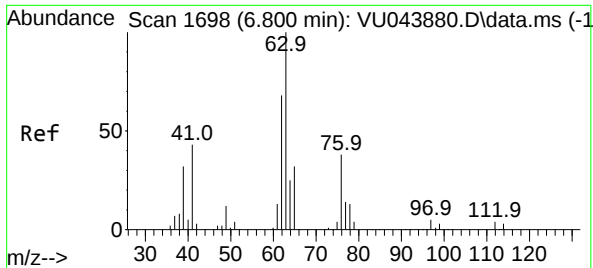
Ion Ratio Lower Upper

83 100

55 0.0 64.8 97.2#

98 0.6 35.9 53.9#



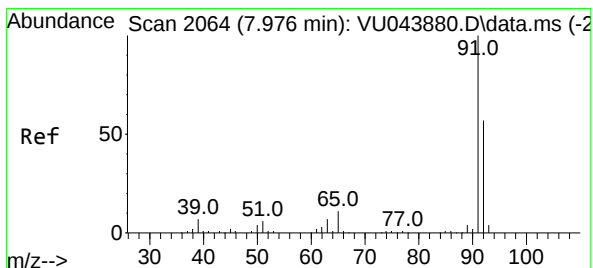
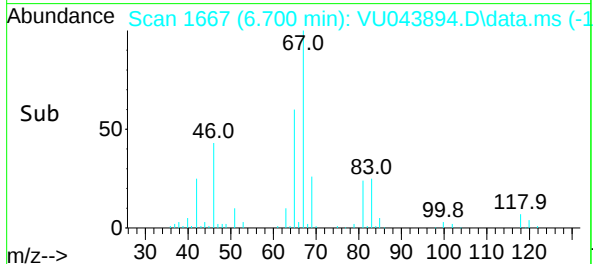
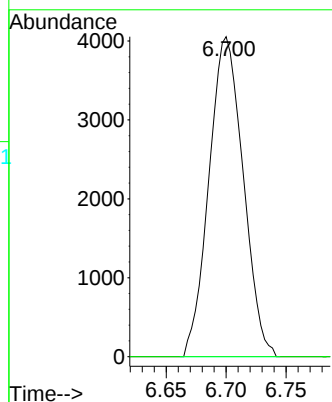
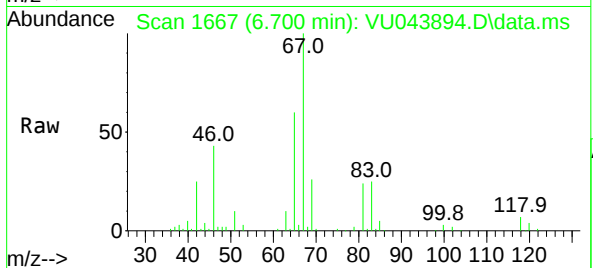


#37

1,2-Dichloropropane
Concen: 0.50 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10

Instrument :
MSVOA_U
ClientSampled :
C0GM7DL

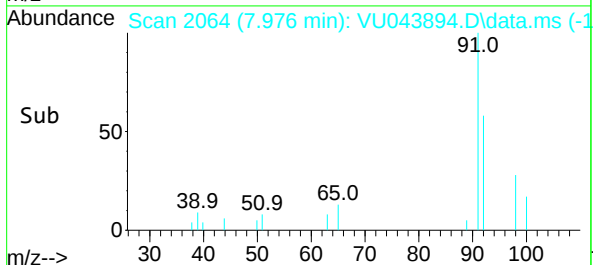
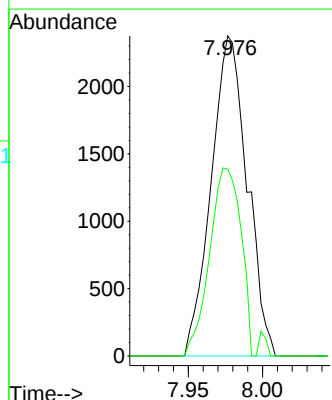
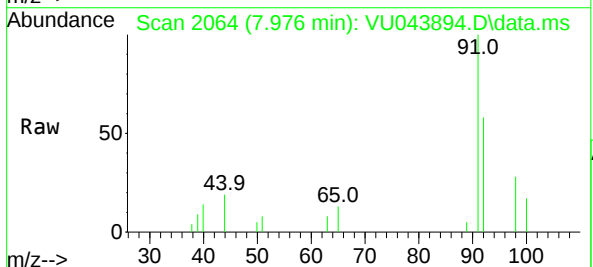
Tgt Ion: 63 Resp: 8046
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#

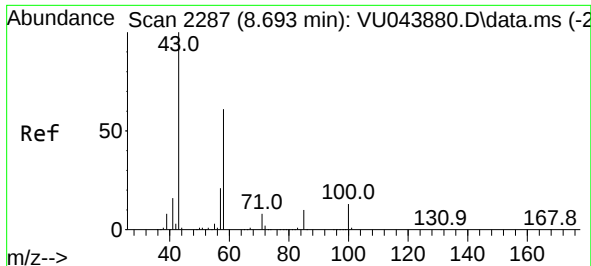


#42

Toluene
Concen: 0.06 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10

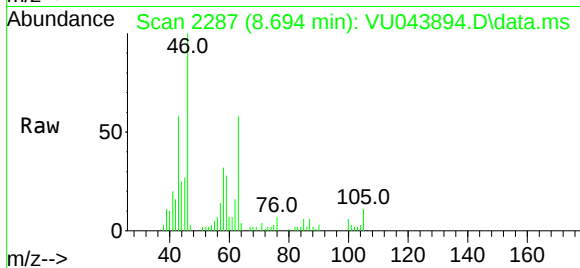
Tgt Ion: 91 Resp: 4006
Ion Ratio Lower Upper
91 100
92 58.4 40.3 74.8



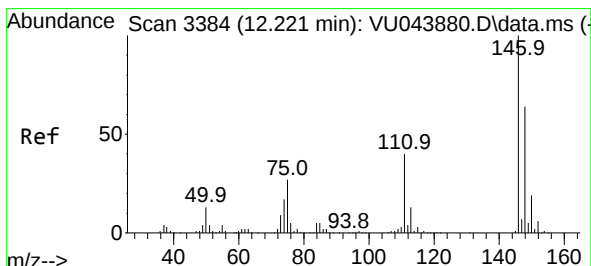
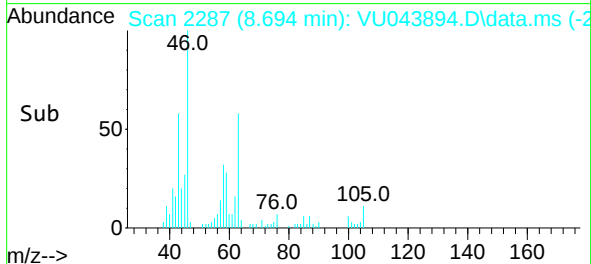
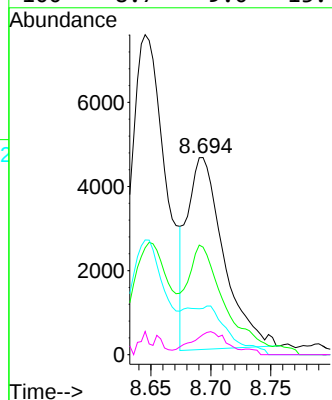


#48
2-Hexanone
Concen: 1.26 ug/L
RT: 8.694 min Scan# 2287
Delta R.T. 0.000 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10

Instrument :
MSVOA_U
ClientSampled :
C0GM7DL

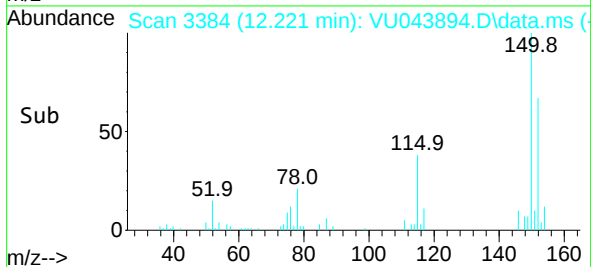
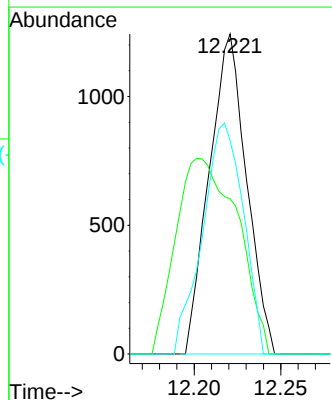
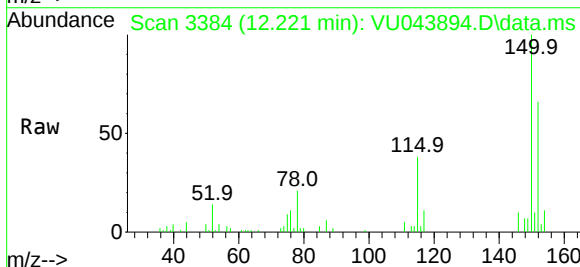


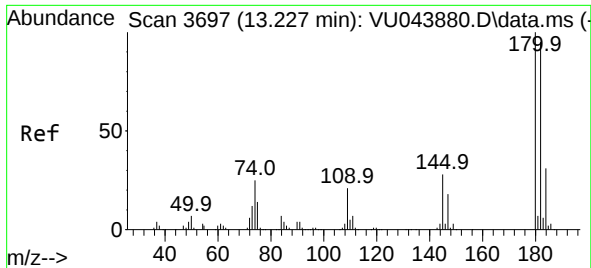
Tgt Ion:	43	Resp:	9592
Ion Ratio	Lower	Upper	
43	100		
58	51.9	47.0	70.4
57	0.0	15.8	23.8#
100	8.7	9.0	13.4#



#67
1,2-Dichlorobenzene
Concen: 0.07 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.000 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10

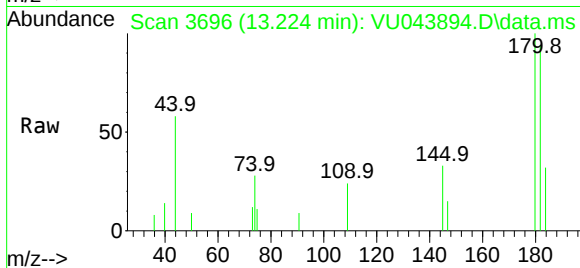
Tgt Ion:	146	Resp:	1858
Ion Ratio	Lower	Upper	
146	100		
111	48.5	33.6	50.4
148	66.7	50.2	75.2



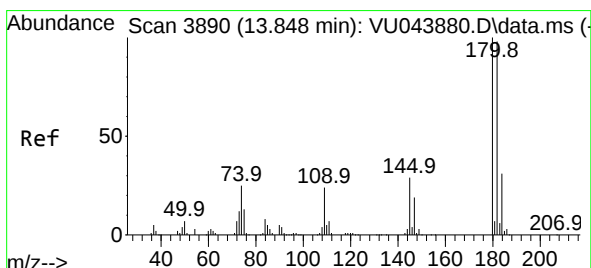
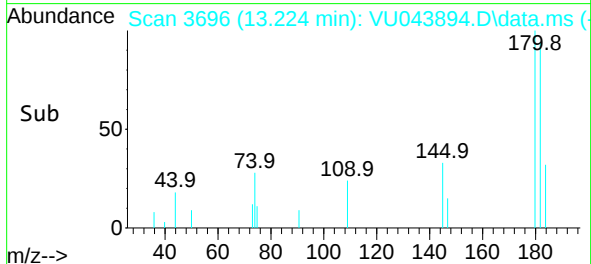
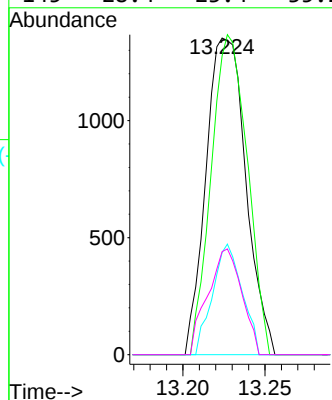


#69
1,3,5-Trichlorobenzene
Concen: 0.10 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. -0.003 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10

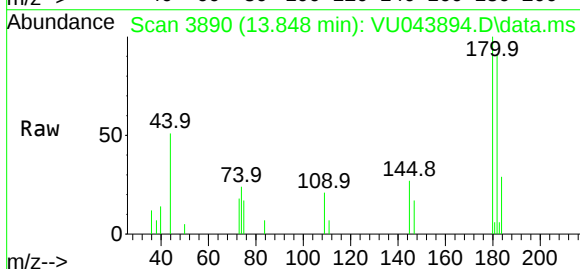
Instrument :
MSVOA_U
ClientSampleId :
C0GM7DL



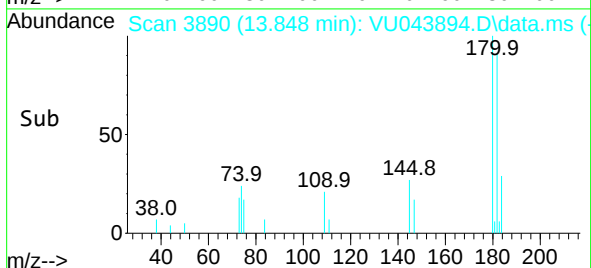
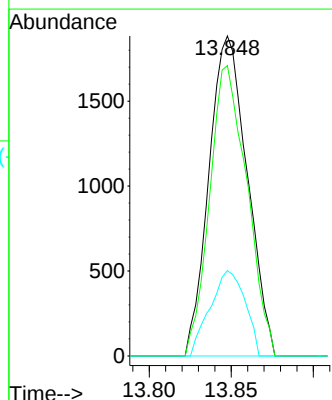
Tgt Ion:180 Resp: 2284
Ion Ratio Lower Upper
180 100
182 91.4 78.2 117.2
184 26.0 24.8 37.2
145 28.4 23.4 35.2

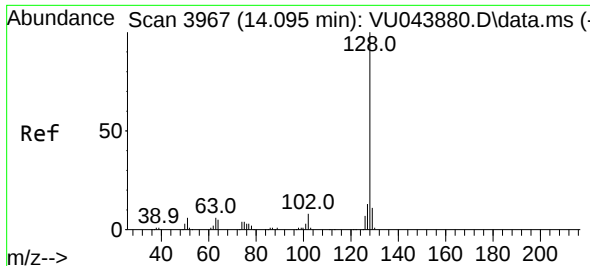


#70
1,2,4-trichlorobenzene
Concen: 0.17 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10



Tgt Ion:180 Resp: 3051
Ion Ratio Lower Upper
180 100
182 88.3 76.9 115.3
145 24.4 23.0 34.4

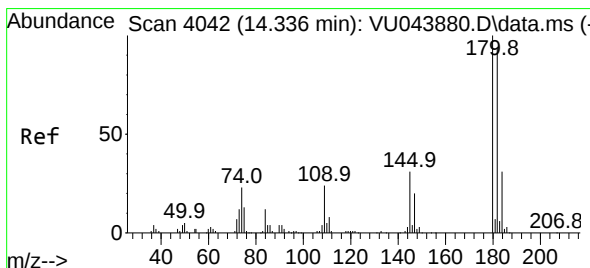
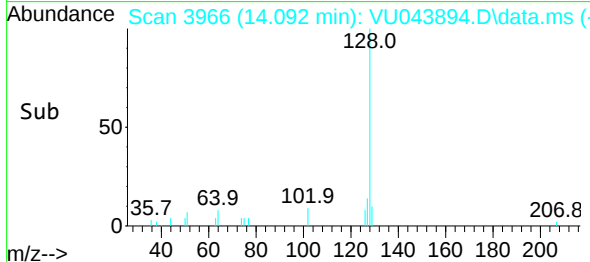
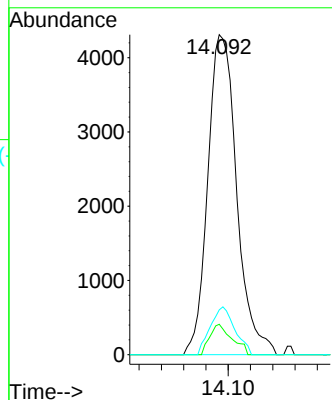
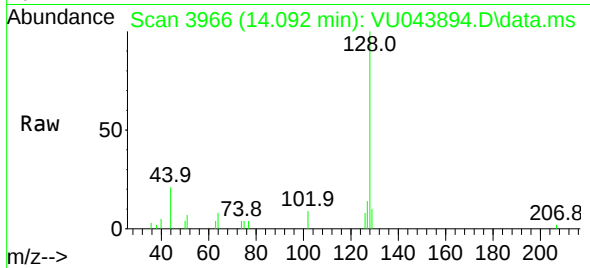




#71
Naphthalene
Concen: 0.24 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10

Instrument :
MSVOA_U
ClientSampleId :
C0GM7DL

Tgt Ion:128 Resp: 7773
Ion Ratio Lower Upper
128 100
129 7.3 8.7 13.1#
127 12.7 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 0.18 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU043894.D
Acq: 21 May 2021 17:10

Tgt Ion:180 Resp: 3067
Ion Ratio Lower Upper
180 100
182 98.0 77.0 115.4
145 26.4 24.6 36.8

