

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111821\
 Data File : VU045878.D
 Acq On : 18 Nov 2021 19:08
 Operator : SY/MD
 Sample : M4664-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:56:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 19 00:50:55 2021
 Response via : Initial Calibration

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

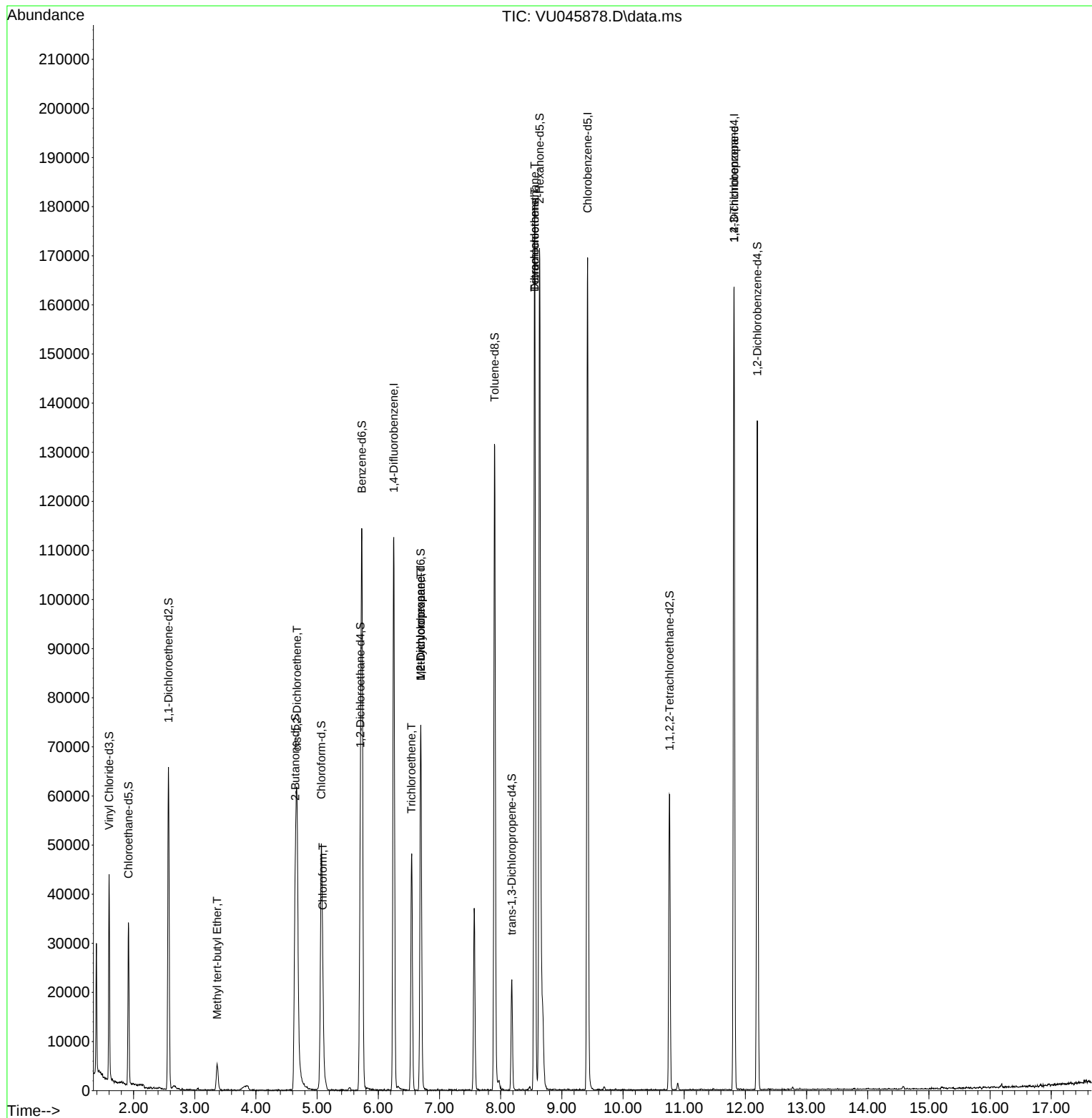
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	89852	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	95266	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	43523	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	28373	3.986	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	1.916	69	23833	4.599	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.572	65	12385	4.148	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.000%
20) 2-Butanone-d5	4.645	46	93743	49.138	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.280%
24) Chloroform-d	5.070	84	41224	3.476	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.600%#
26) 1,2-Dichloroethane-d4	5.707	65	32350	4.649	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.732	84	106862	4.073	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.694	67	35701	4.318	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.903	98	88746	3.739	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.800%
43) trans-1,3-Dichloroprop...	8.182	79	13257	3.950	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.636	63	60497	40.044	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.080%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	30905	4.424	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	35003	4.684	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
17) Methyl tert-butyl Ether	3.366	73	5214	0.360	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	19580	3.029	ug/L	96
25) Chloroform	5.092	83	13998	1.155	ug/L	99
34) Trichloroethene	6.542	95	16137	2.355	ug/L	97
35) Methylcyclohexane	6.694	83	8582	0.816	ug/L #	21
37) 1,2-Dichloropropane	6.694	63	3594	0.514	ug/L #	88
47) Tetrachloroethene	8.555	164	39719	8.281	ug/L	95
49) Dibromochloromethane	8.555	129	39107	6.611	ug/L #	10
61) 1,2,3-Trichloropropane	11.816	75	5596	1.239	ug/L #	67

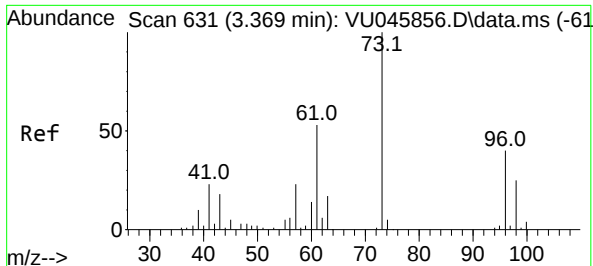
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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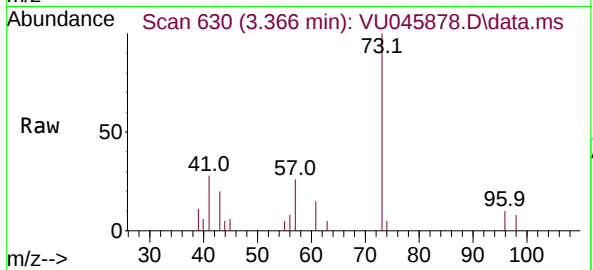
Quant Time: Nov 19 00:56:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
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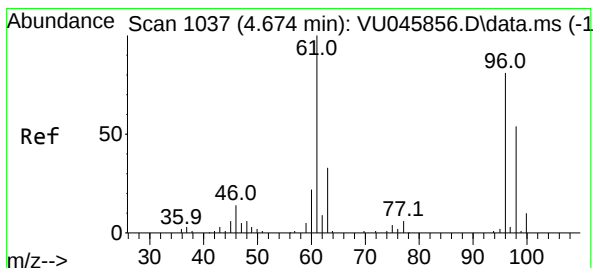
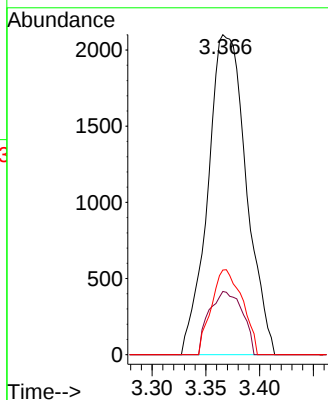
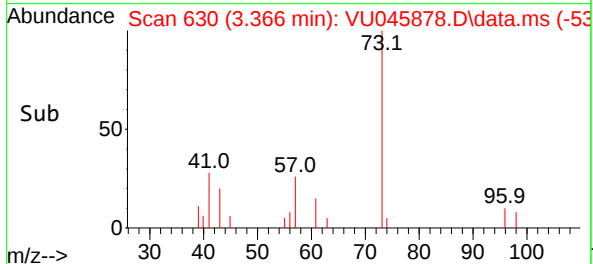


#17
Methyl tert-butyl Ether
Concen: 0.360 ug/L
RT: 3.366 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU045878.D
Acq: 18 Nov 2021 19:08

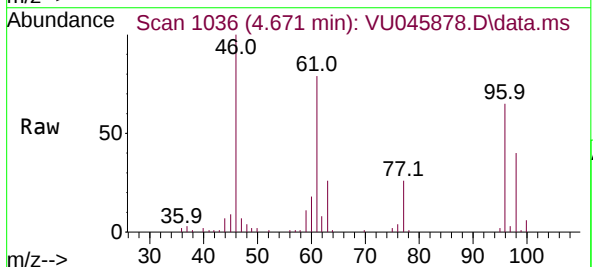
Instrument :
MSVOA_U
ClientSampleId :



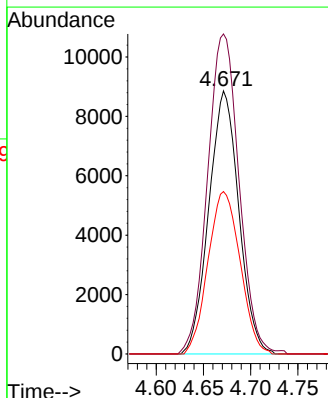
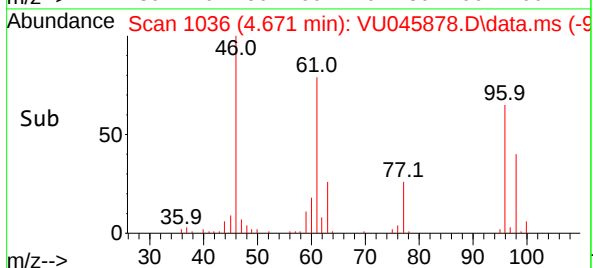
Tgt Ion: 73	Resp: 5214
Ion Ratio	Lower Upper
73	100
43	17.1 14.8 22.2
57	21.4 17.4 26.0

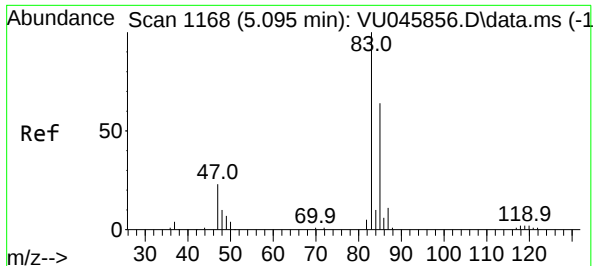


#22
cis-1,2-Dichloroethene
Concen: 3.029 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU045878.D
Acq: 18 Nov 2021 19:08



Tgt Ion: 96	Resp: 19580
Ion Ratio	Lower Upper
96	100
61	121.7 88.5 164.3
98	61.7 44.4 82.5





#25

Chloroform

Concen: 1.155 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU045878.D

Acq: 18 Nov 2021 19:08

Instrument :

MSVOA_U

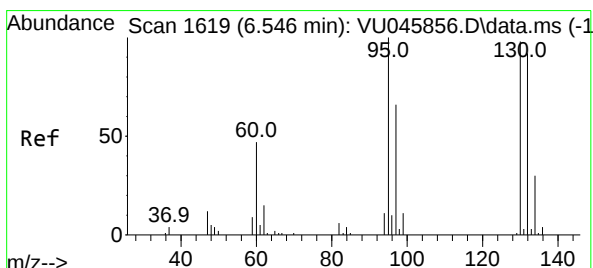
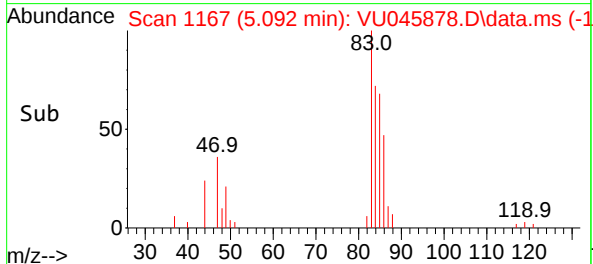
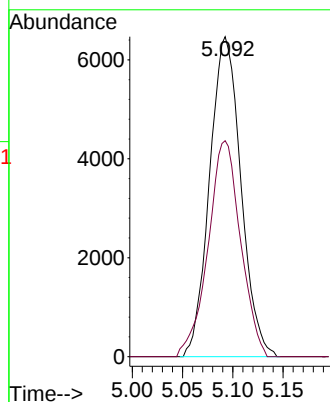
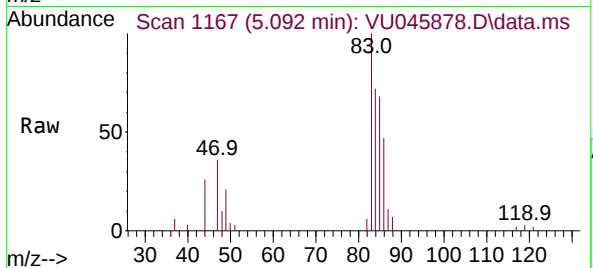
ClientSampleId :

Tgt Ion: 83 Resp: 13998

Ion Ratio Lower Upper

83 100

85 67.5 46.9 87.1



#34

Trichloroethene

Concen: 2.355 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.003 min

Lab File: VU045878.D

Acq: 18 Nov 2021 19:08

Tgt Ion: 95 Resp: 16137

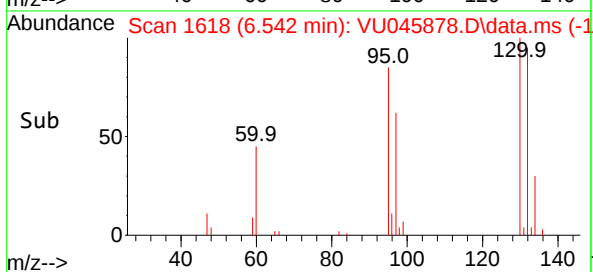
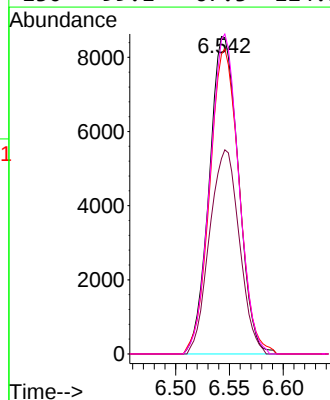
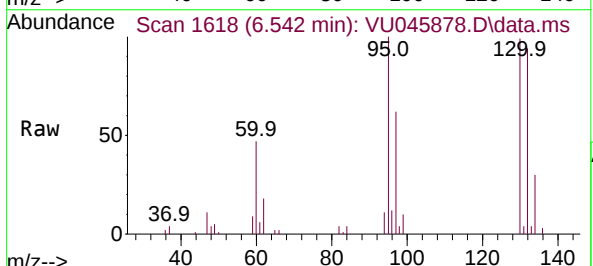
Ion Ratio Lower Upper

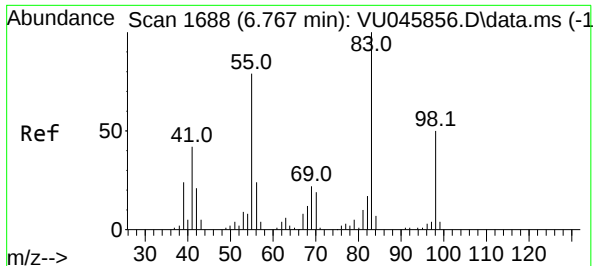
95 100

97 61.6 46.5 86.5

132 94.5 65.1 120.9

130 99.1 67.3 124.9

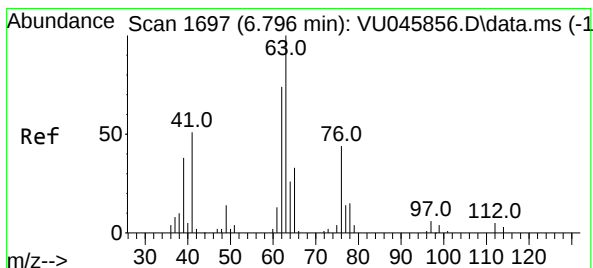
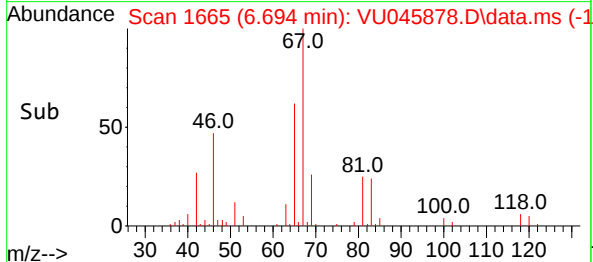
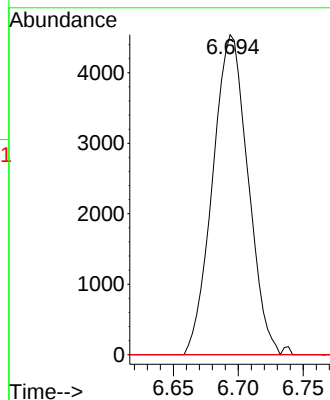
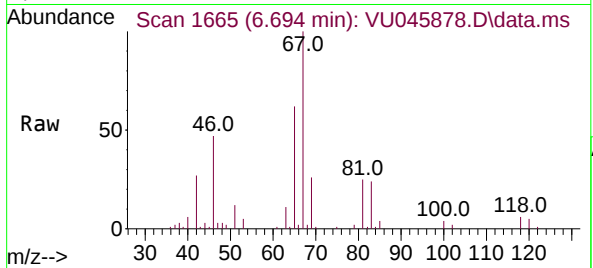




#35
Methylcyclohexane
Concen: 0.816 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045878.D
Acq: 18 Nov 2021 19:08

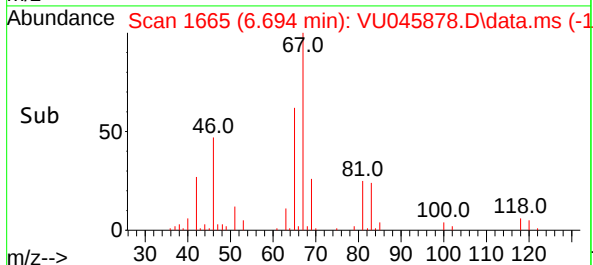
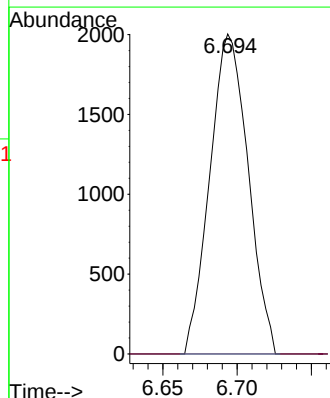
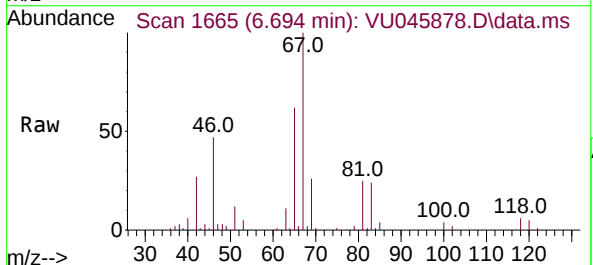
Instrument :
MSVOA_U
ClientSampleId :

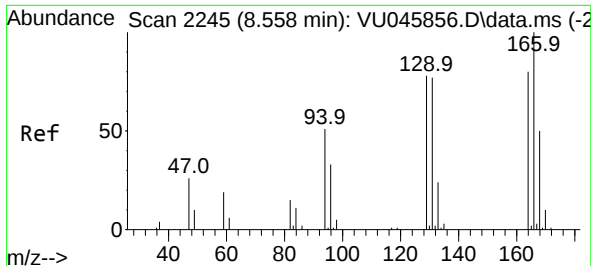
Tgt Ion: 83 Resp: 8582
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 5.6 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.514 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045878.D
Acq: 18 Nov 2021 19:08

Tgt Ion: 63 Resp: 3594
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 8.281 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU045878.D

Acq: 18 Nov 2021 19:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 39719

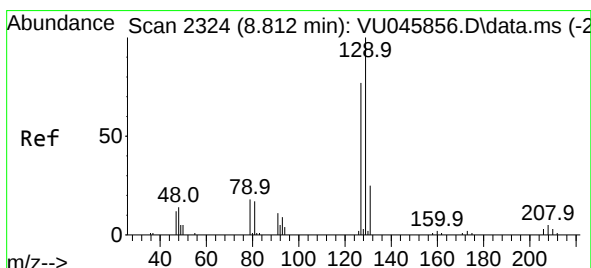
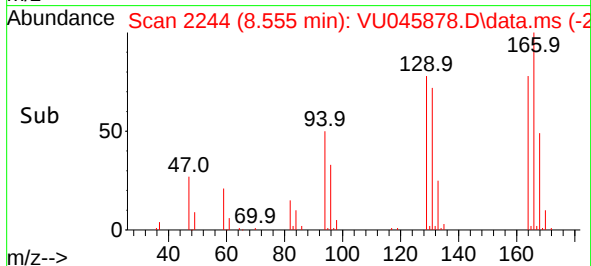
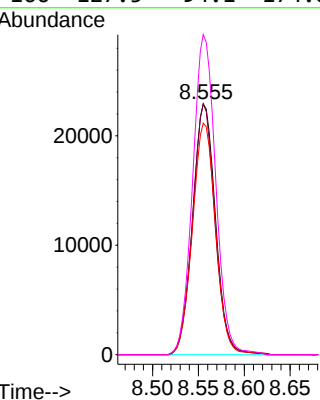
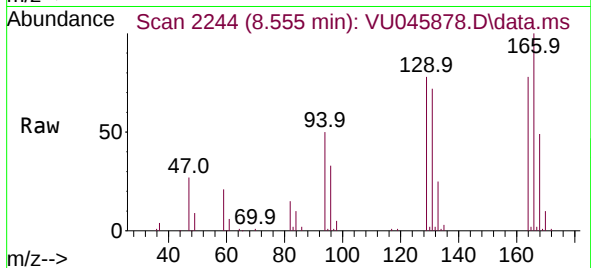
Ion Ratio Lower Upper

164 100

129 99.9 71.8 133.4

131 92.3 68.5 127.3

166 127.5 94.1 174.8



#49

Dibromochloromethane

Concen: 6.611 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU045878.D

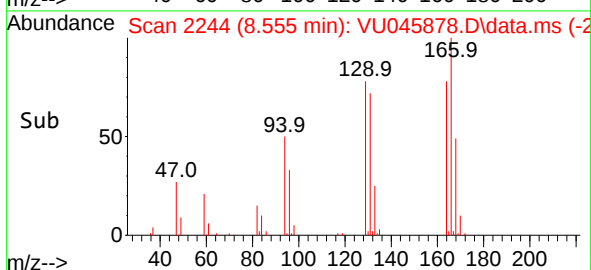
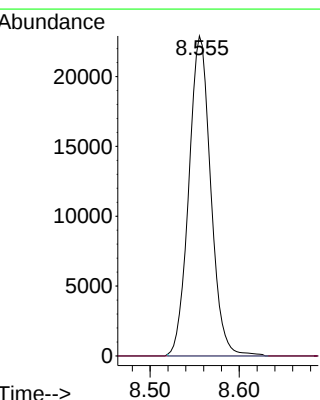
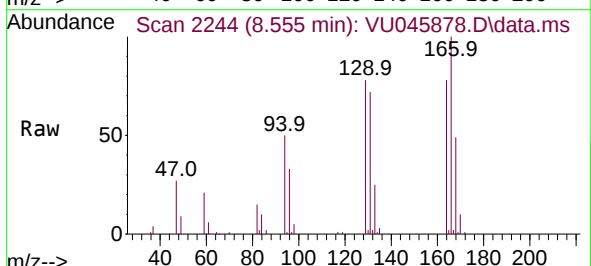
Acq: 18 Nov 2021 19:08

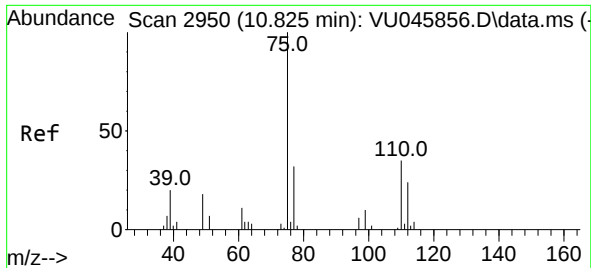
Tgt Ion:129 Resp: 39107

Ion Ratio Lower Upper

129 100

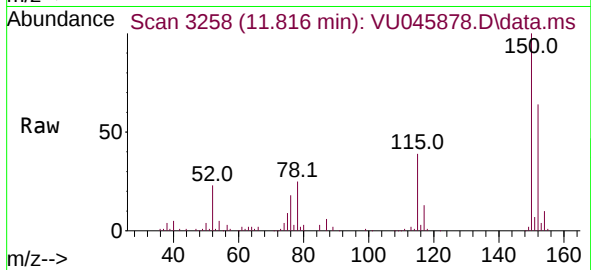
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.239 ug/L
 RT: 11.816 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU045878.D
 Acq: 18 Nov 2021 19:08

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5596
 Ion Ratio Lower Upper
 75 100
 110 0.4 29.9 44.9#
 77 32.0 25.5 38.3

