

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111721\
 Data File : VU045838.D
 Acq On : 17 Nov 2021 14:25
 Operator : SY/MD
 Sample : M4686-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG1Z4

Quant Time: Nov 18 02:20:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 02:11:55 2021
 Response via : Initial Calibration

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

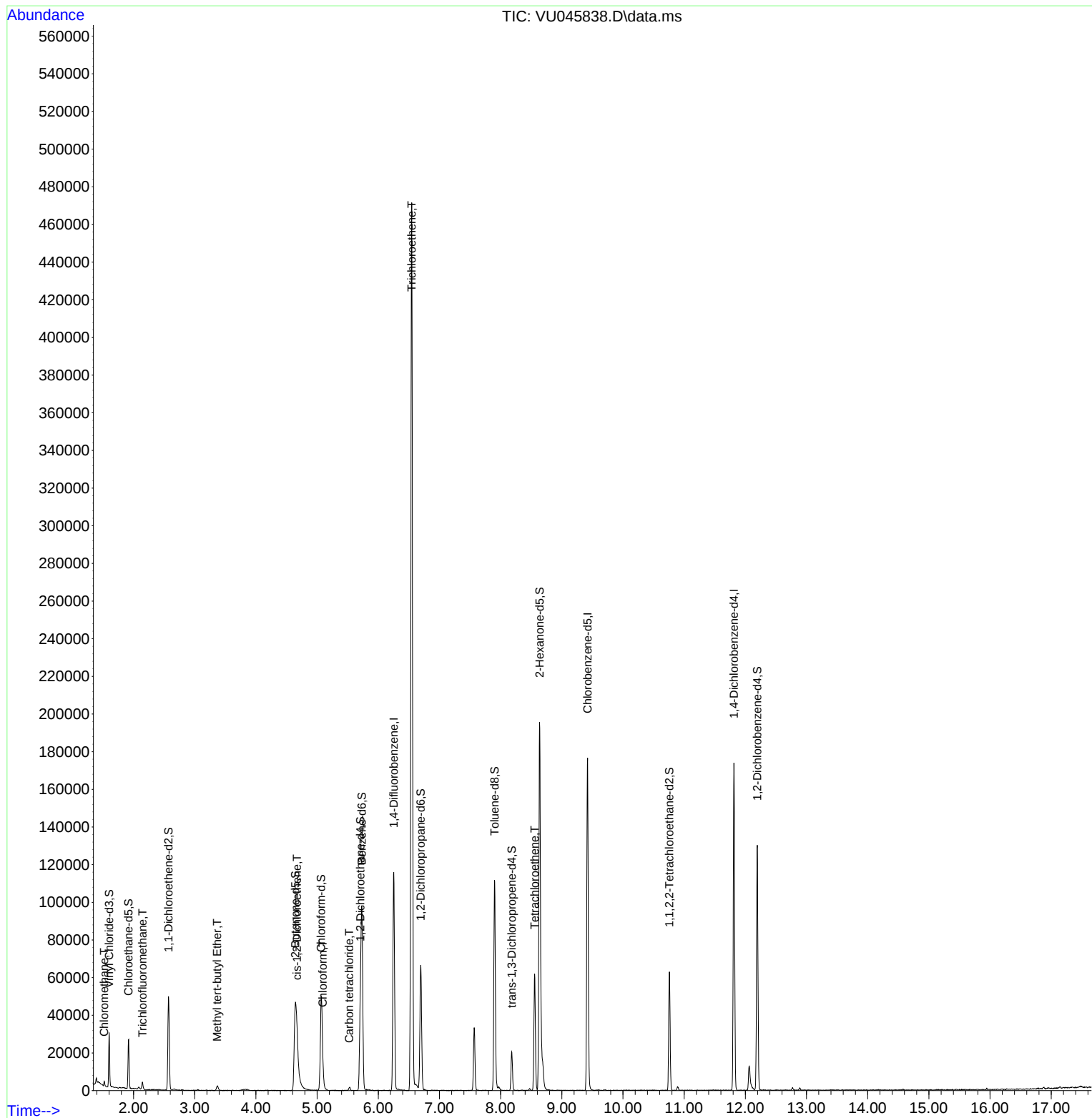
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	92481	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	98793	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	45230	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	20014	2.731	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	54.600%	
7) Chloroethane-d5	1.916	69	18721	3.510	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	70.200%	
11) 1,1-Dichloroethene-d2	2.572	65	9590	3.121	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	62.400%	
20) 2-Butanone-d5	4.646	46	105527	53.742	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	107.480%	
24) Chloroform-d	5.067	84	44600	3.654	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	73.000%	
26) 1,2-Dichloroethane-d4	5.707	65	29884	4.172	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	83.400%	
32) Benzene-d6	5.732	84	93237	3.427	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	68.600%#	
36) 1,2-Dichloropropane-d6	6.694	67	32264	3.763	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	75.200%	
41) Toluene-d8	7.900	98	76930	3.126	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	62.600%#	
43) trans-1,3-Dichloroprop...	8.182	79	12269	3.525	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	70.400%	
46) 2-Hexanone-d5	8.636	63	70742	45.154	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	90.300%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	31357	4.329	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	86.600%	
66) 1,2-Dichlorobenzene-d4	12.195	152	32676	4.208	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	84.200%	
Target Compounds						
3) Chloromethane	1.520	50	1755	0.220	ug/L	97
9) Trichlorofluoromethane	2.144	101	2462	0.238	ug/L	98
17) Methyl tert-butyl Ether	3.366	73	3102	0.208	ug/L #	92
22) cis-1,2-Dichloroethene	4.671	96	4074	0.612	ug/L	97
25) Chloroform	5.093	83	7823	0.627	ug/L	93
31) Carbon tetrachloride	5.527	117	1274	0.141	ug/L	92
34) Trichloroethene	6.546	95	161959	22.795	ug/L	98
47) Tetrachloroethene	8.555	164	13852	2.785	ug/L	96

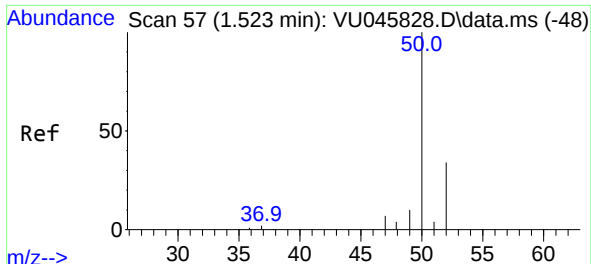
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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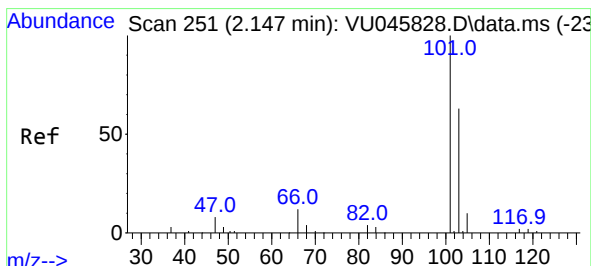
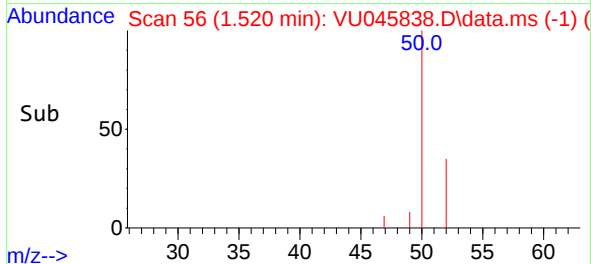
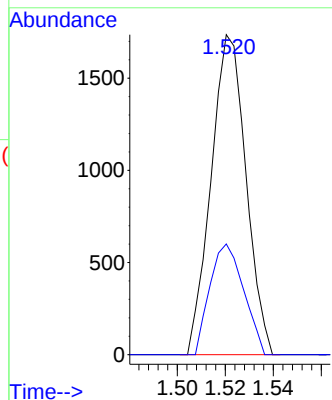
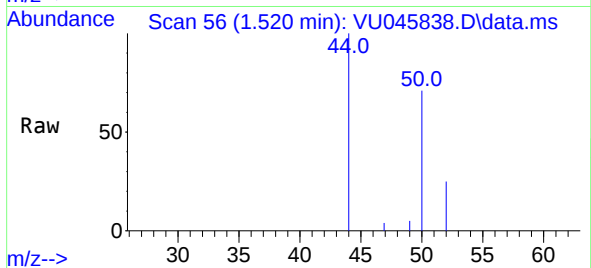




#3
Chloromethane
Concen: 0.220 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.003 min
Lab File: VU045838.D
Acq: 17 Nov 2021 14:25

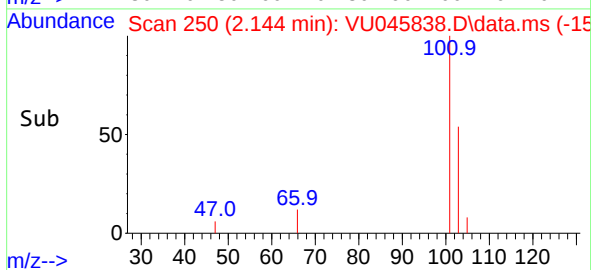
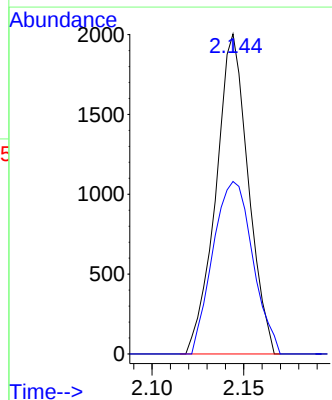
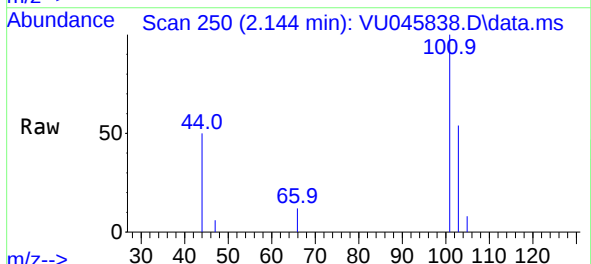
Instrument :
MSVOA_U
ClientSampleId :
BG1Z4

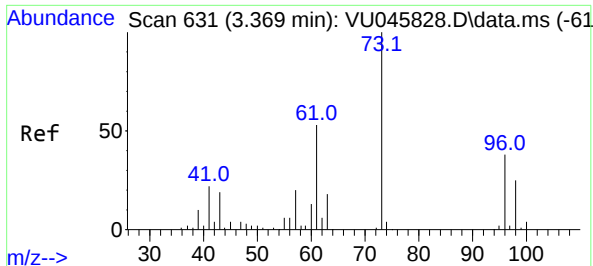
Tgt Ion: 50 Resp: 1755
Ion Ratio Lower Upper
50 100
52 34.6 23.0 42.8



#9
Trichlorofluoromethane
Concen: 0.238 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.003 min
Lab File: VU045838.D
Acq: 17 Nov 2021 14:25

Tgt Ion: 101 Resp: 2462
Ion Ratio Lower Upper
101 100
103 66.3 51.5 77.3

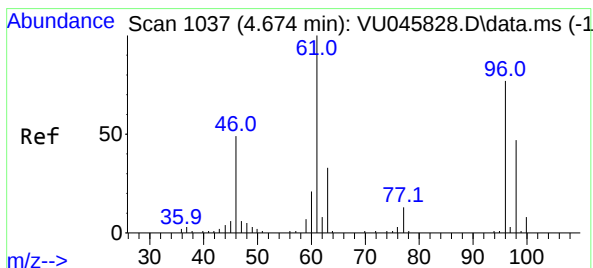
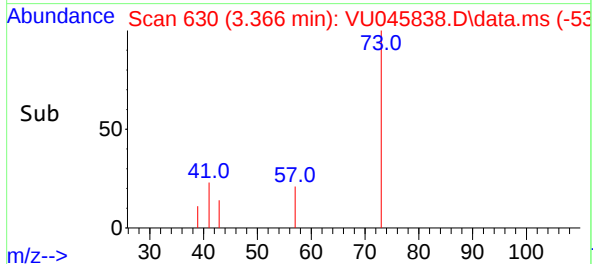
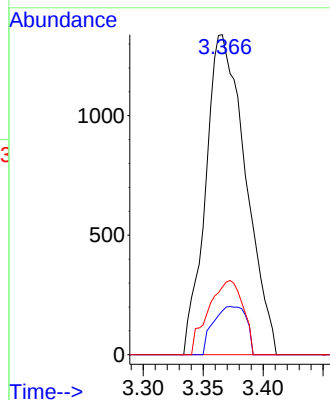
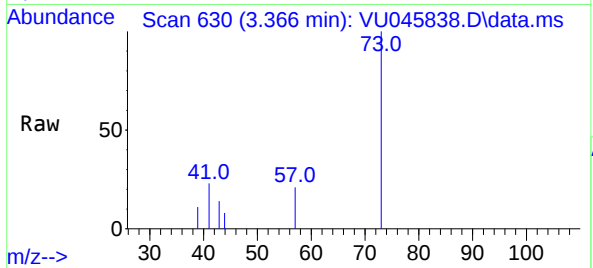




#17
Methyl tert-butyl Ether
Concen: 0.208 ug/L
RT: 3.366 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU045838.D
Acq: 17 Nov 2021 14:25

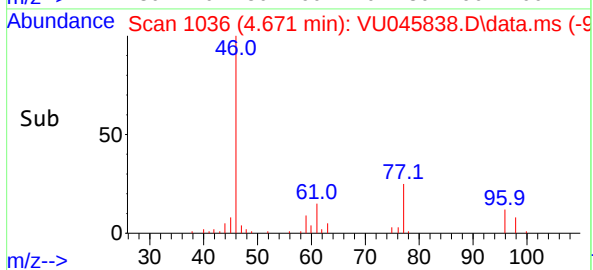
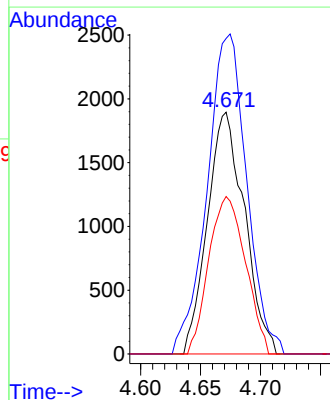
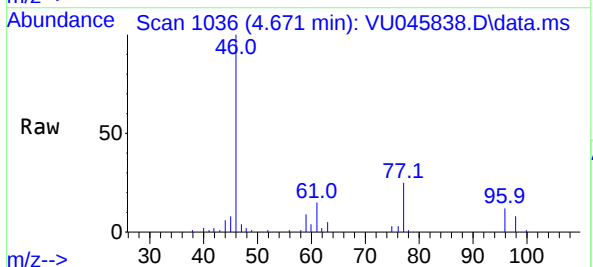
Instrument :
MSVOA_U
ClientSampleId :
BG1Z4

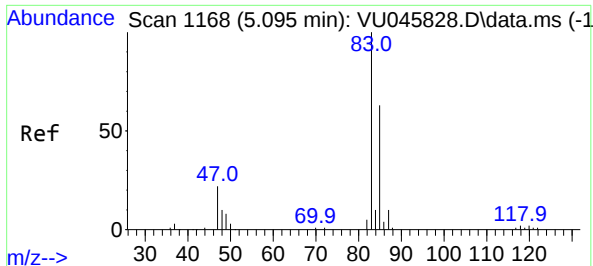
Tgt Ion: 73 Resp: 3102
Ion Ratio Lower Upper
73 100
43 12.4 14.8 22.2#
57 20.0 17.4 26.0



#22
cis-1,2-Dichloroethene
Concen: 0.612 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU045838.D
Acq: 17 Nov 2021 14:25

Tgt Ion: 96 Resp: 4074
Ion Ratio Lower Upper
96 100
61 130.5 88.5 164.3
98 65.1 44.4 82.5

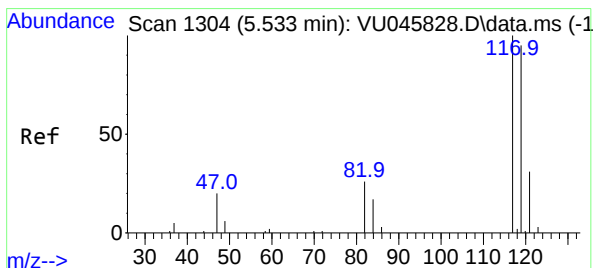
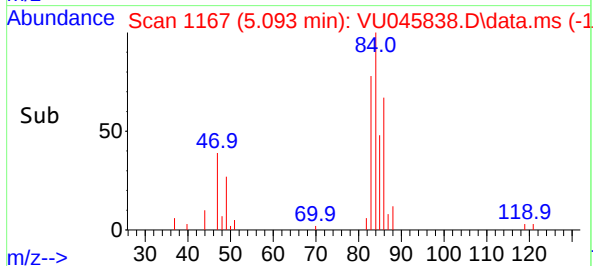
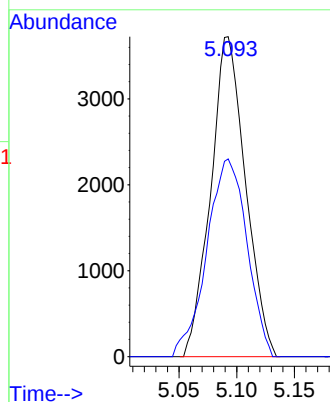
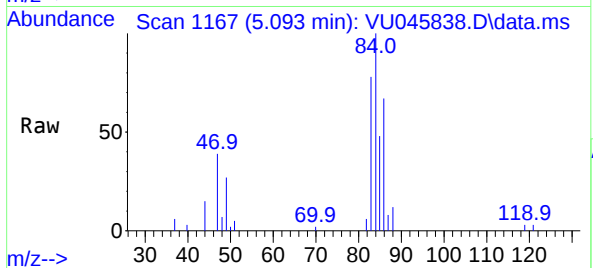




#25
Chloroform
Concen: 0.627 ug/L
RT: 5.093 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU045838.D
Acq: 17 Nov 2021 14:25

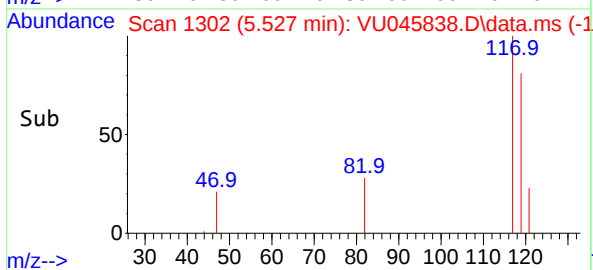
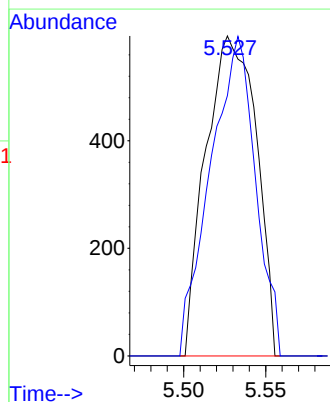
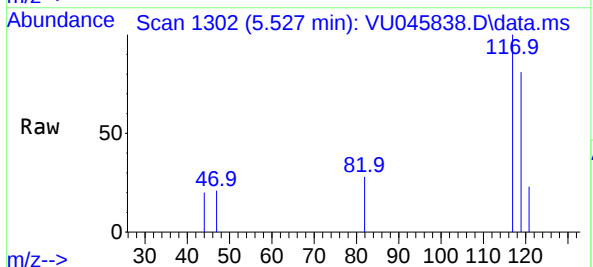
Instrument :
MSVOA_U
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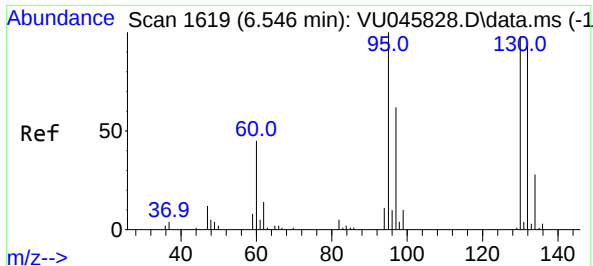
Tgt Ion: 83 Resp: 7823
Ion Ratio Lower Upper
83 100
85 61.8 46.9 87.1



#31
Carbon tetrachloride
Concen: 0.141 ug/L
RT: 5.527 min Scan# 1302
Delta R.T. -0.006 min
Lab File: VU045838.D
Acq: 17 Nov 2021 14:25

Tgt Ion: 117 Resp: 1274
Ion Ratio Lower Upper
117 100
119 89.2 77.5 116.3



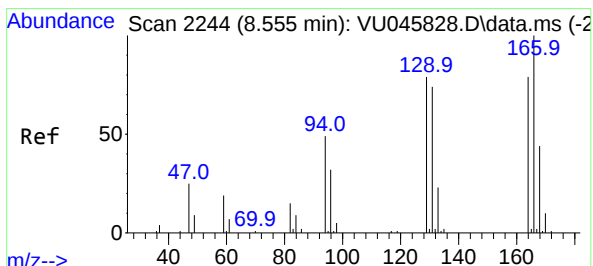
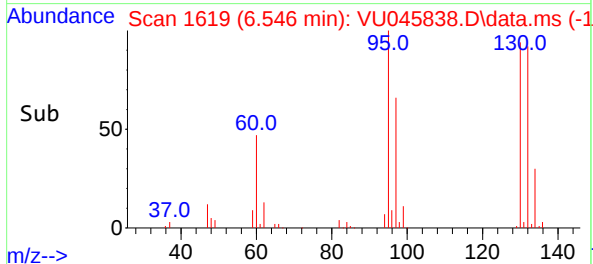
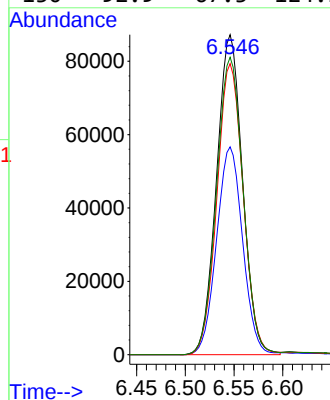
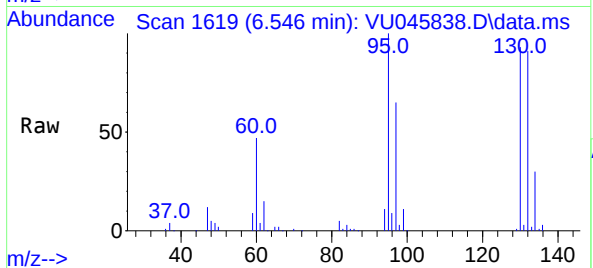


#34
Trichloroethene
Concen: 22.795 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045838.D
Acq: 17 Nov 2021 14:25

Instrument :
MSVOA_U
ClientSampleId :
BG1Z4

Tgt Ion: 95 Resp: 161959

Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.5	86.5
132	91.0	65.1	120.9
130	92.9	67.3	124.9



#47
Tetrachloroethene
Concen: 2.785 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045838.D
Acq: 17 Nov 2021 14:25

Tgt Ion: 164 Resp: 13852

Ion	Ratio	Lower	Upper
164	100		
129	99.0	71.8	133.4
131	94.4	68.5	127.3
166	129.4	94.1	174.8

