

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121721\
 Data File : VU046470.D
 Acq On : 17 Dec 2021 14:33
 Operator : SY/MD
 Sample : M5103-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW1

Quant Time: Dec 17 23:28:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

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

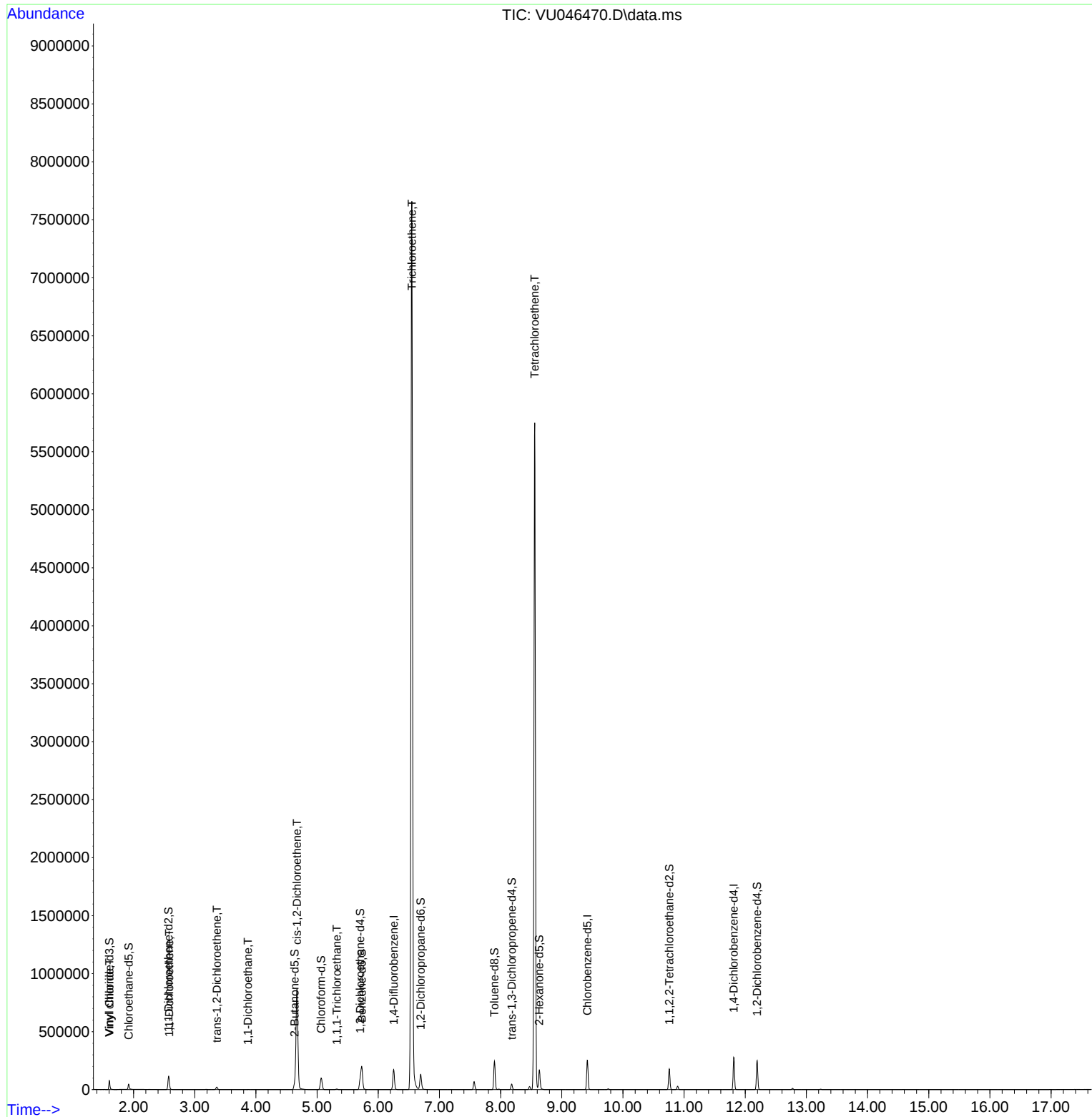
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	141600	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	142576	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	72242	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	48925	41.944	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.880%
7) Chloroethane-d5	1.919	69	38656	43.163	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.320%
11) 1,1-Dichloroethene-d2	2.571	63	68235	32.587	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.180%
21) 2-Butanone-d5	4.632	46	76375	82.367	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.370%
24) Chloroform-d	5.066	84	95629	49.094	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.180%
26) 1,2-Dichloroethane-d4	5.703	65	64205	49.115	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.220%
32) Benzene-d6	5.732	84	188702	46.177	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.360%
36) 1,2-Dichloropropane-d6	6.693	67	59743	47.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.340%
41) Toluene-d8	7.899	98	162651	43.715	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.420%
43) trans-1,3-Dichloroprop...	8.182	79	28234	46.182	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.360%
47) 2-Hexanone-d5	8.632	63	61371	102.203	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.200%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	86173	44.867	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.740%
66) 1,2-Dichlorobenzene-d4	12.195	152	63202	45.428	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.860%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	14947	10.758	ug/L	98
12) 1,1-Dichloroethene	2.584	96	3753	3.833	ug/L #	1
17) trans-1,2-Dichloroethene	3.362	96	9506	9.175	ug/L	98
19) 1,1-Dichloroethane	3.870	63	1804	0.958	ug/L #	83
20) cis-1,2-Dichloroethene	4.671	96	452936	402.875	ug/L	99
30) 1,1,1-Trichloroethane	5.320	97	4164	2.379	ug/L	96
34) Trichloroethene	6.549	95	2673633	2351.863	ug/L	96
46) Tetrachloroethene	8.558	164	1208375	1446.429	ug/L	99

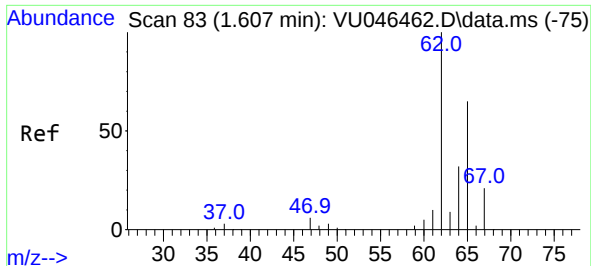
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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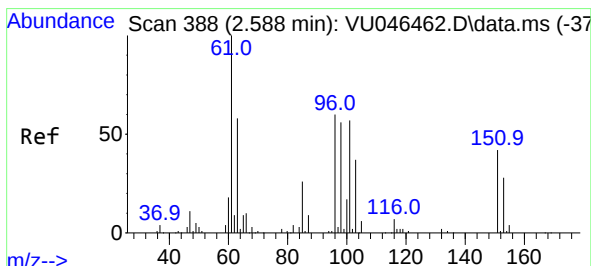
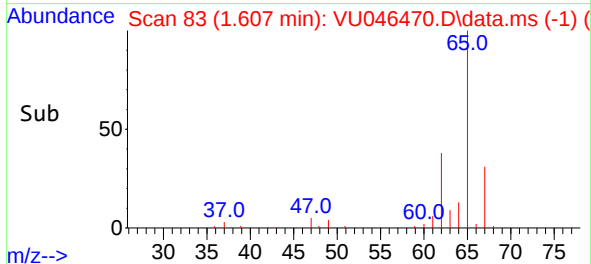
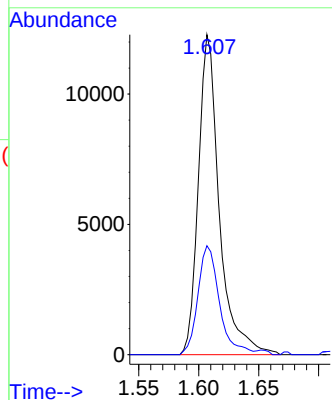
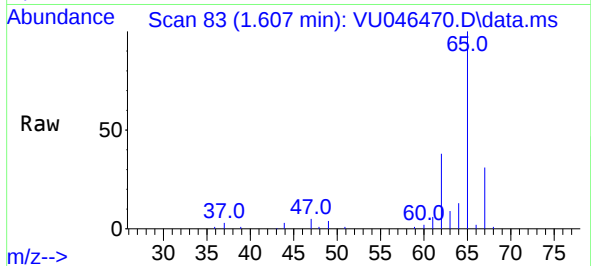




#5
 Vinyl chloride
 Concen: 10.758 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046470.D
 Acq: 17 Dec 2021 14:33

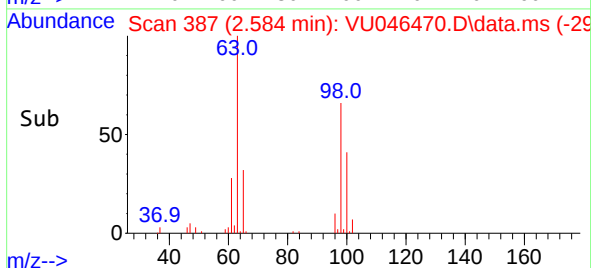
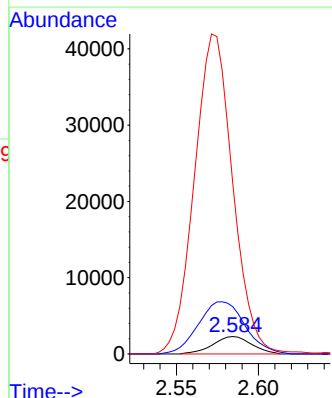
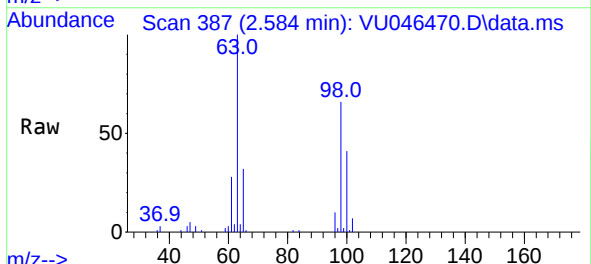
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW1

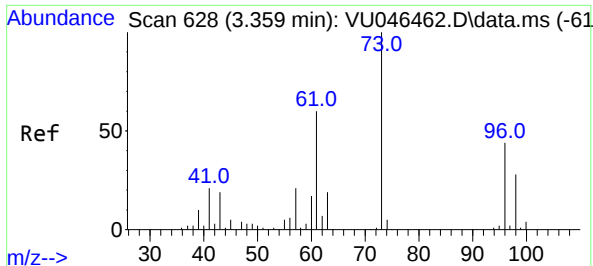
Tgt Ion: 62 Resp: 14947
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.9 42.5



#12
 1,1-Dichloroethene
 Concen: 3.833 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.000 min
 Lab File: VU046470.D
 Acq: 17 Dec 2021 14:33

Tgt Ion: 96 Resp: 3753
 Ion Ratio Lower Upper
 96 100
 61 270.9 118.6 220.2#
 63 979.9 93.0 172.8#

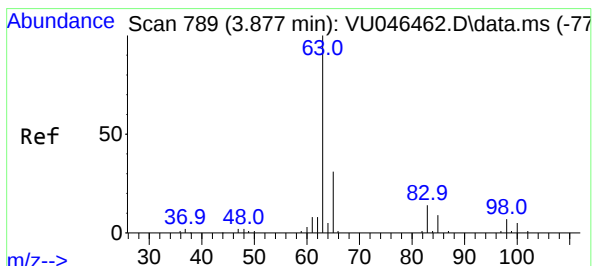
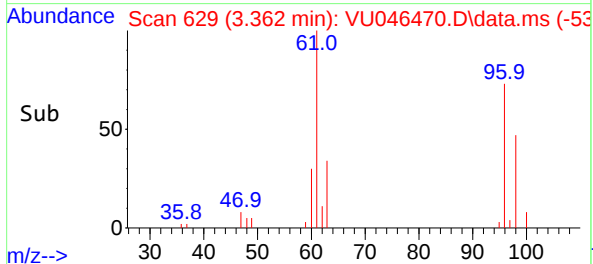
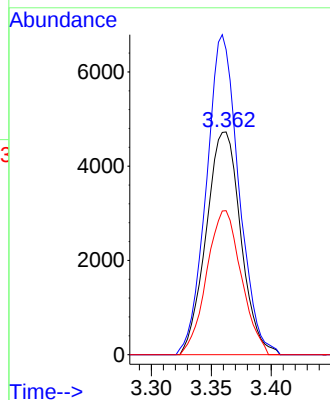
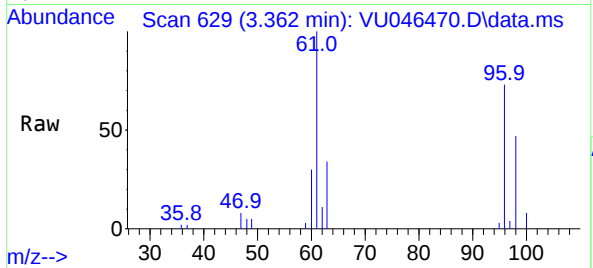




#17
trans-1,2-Dichloroethene
Concen: 9.175 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

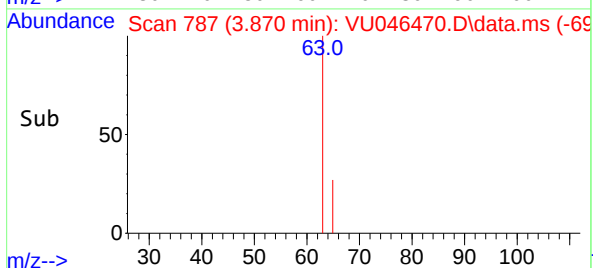
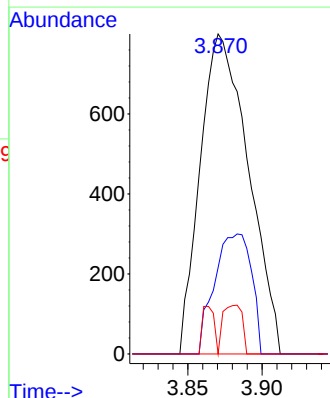
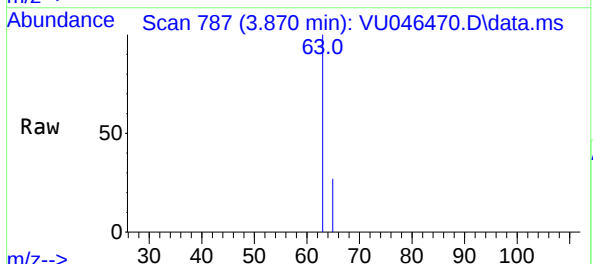
Instrument :
MSVOA_U
ClientSampleId :
C0AW1

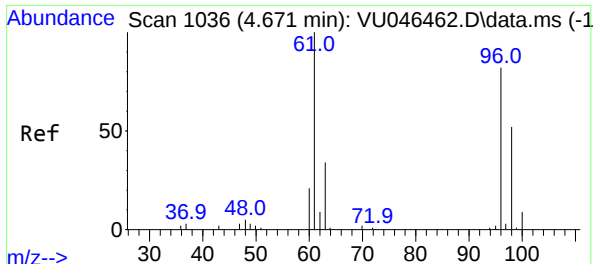
Tgt Ion: 96 Resp: 9506
Ion Ratio Lower Upper
96 100
61 136.9 94.6 175.6
98 64.6 44.0 81.8



#19
1,1-Dichloroethane
Concen: 0.958 ug/L
RT: 3.870 min Scan# 787
Delta R.T. -0.006 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

Tgt Ion: 63 Resp: 1804
Ion Ratio Lower Upper
63 100
65 27.0 22.8 42.4
83 0.0 9.6 17.8#

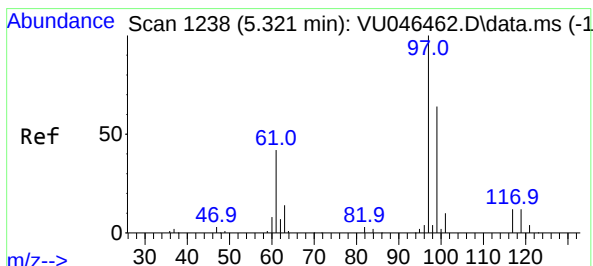
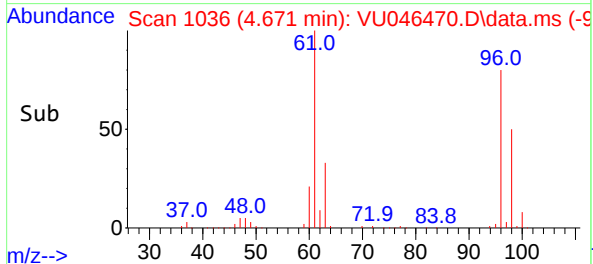
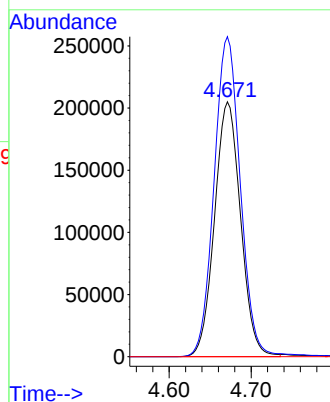
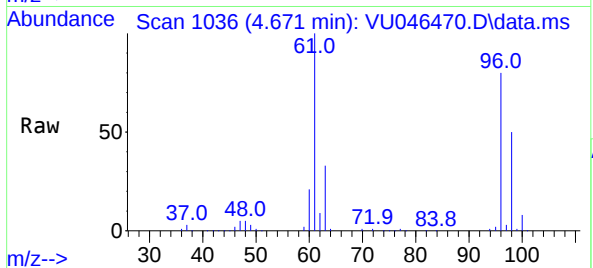




#20
cis-1,2-Dichloroethene
Concen: 402.875 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

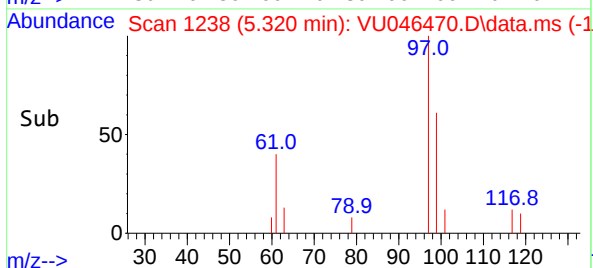
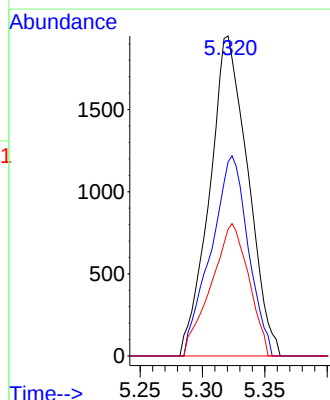
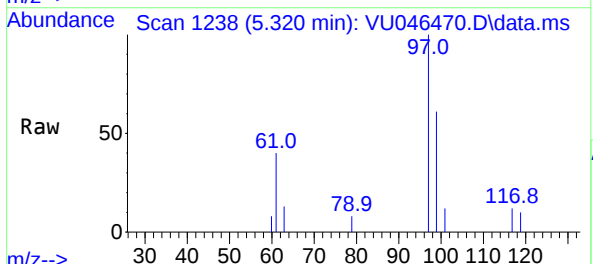
Instrument :
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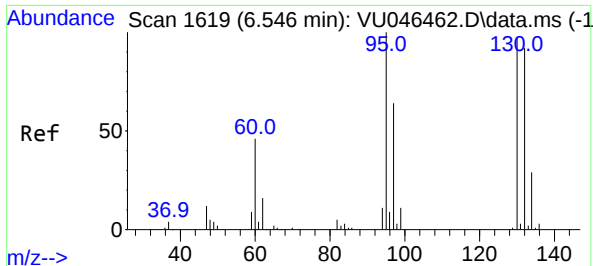
Tgt Ion: 96 Resp: 452936
Ion Ratio Lower Upper
96 100
61 125.5 86.8 161.2
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 2.379 ug/L
RT: 5.320 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

Tgt Ion: 97 Resp: 4164
Ion Ratio Lower Upper
97 100
99 60.8 51.8 77.6
61 40.7 34.4 51.6



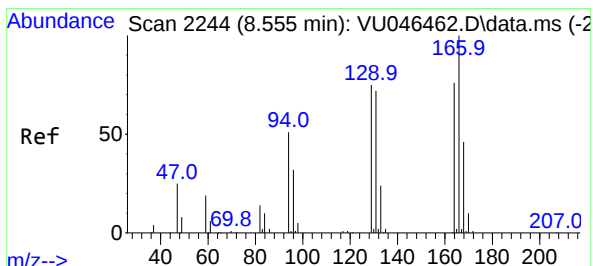
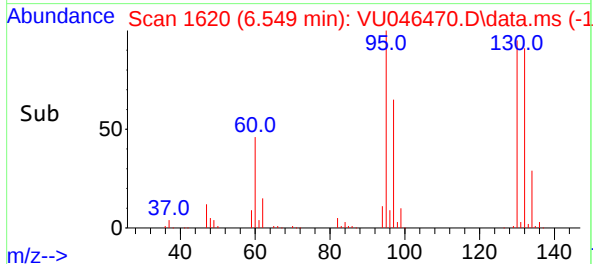
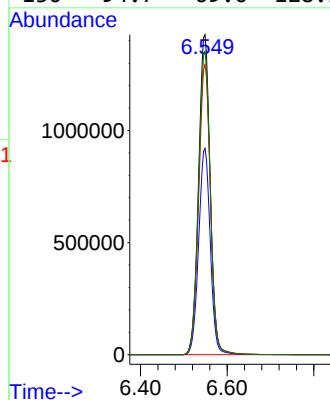
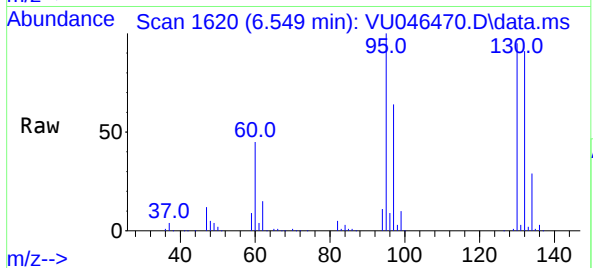


#34
Trichloroethene
Concen: 2351.863 ug/L
RT: 6.549 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

Instrument :
MSVOA_U
ClientSampleId :
C0AW1

Tgt Ion: 95 Resp: 2673633

Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.1	81.9
132	90.7	66.8	124.0
130	94.7	69.0	128.1



#46
Tetrachloroethene
Concen: 1446.429 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

Tgt Ion: 164 Resp: 1208375

Ion	Ratio	Lower	Upper
164	100		
129	100.3	71.1	132.1
131	97.6	67.8	126.0
166	128.2	90.6	168.2

