

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046357.D
 Acq On : 14 Dec 2021 15:43
 Operator : SY/MD
 Sample : M4983-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 15 01:43:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 01:40:37 2021
 Response via : Initial Calibration

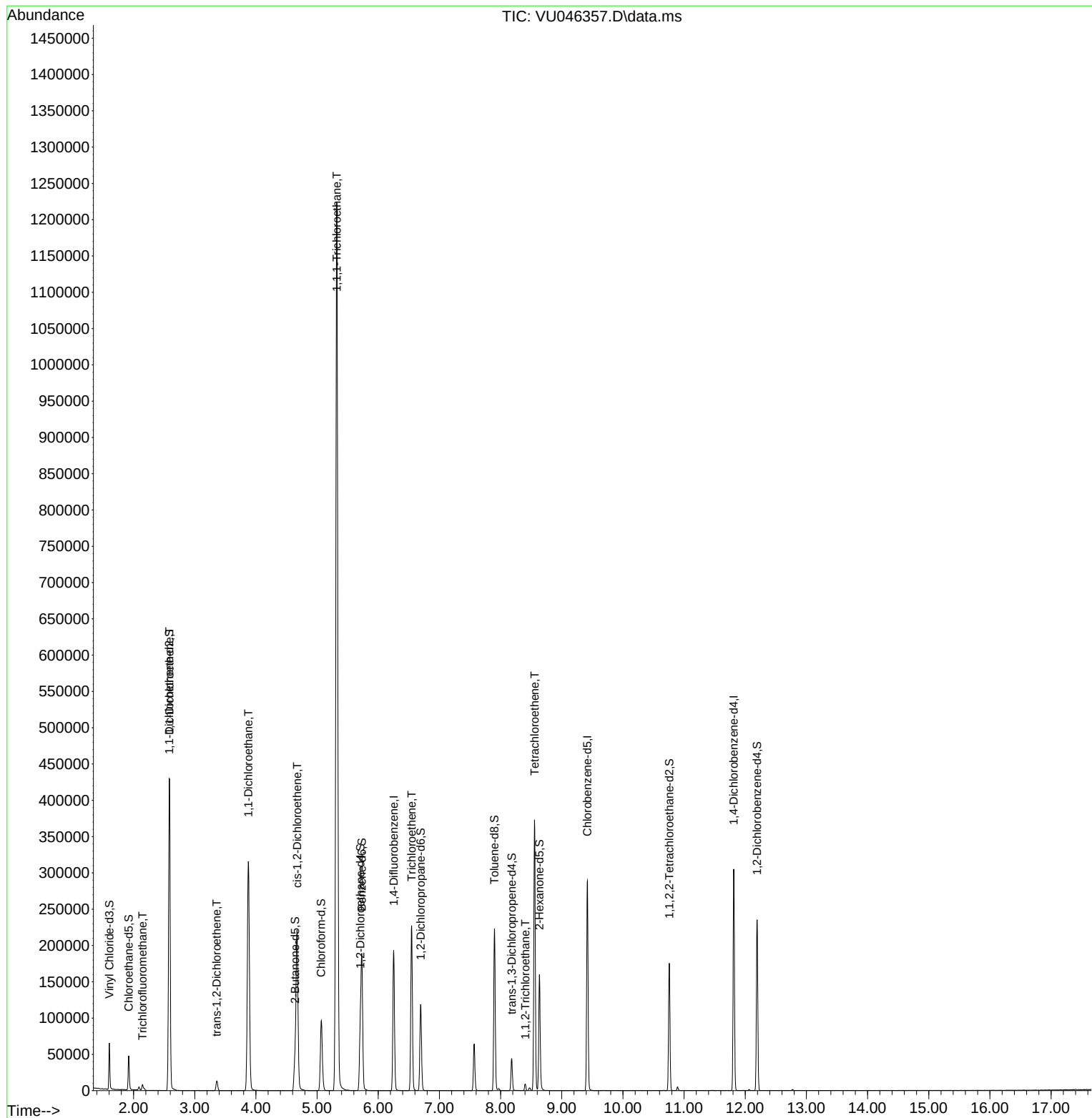
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

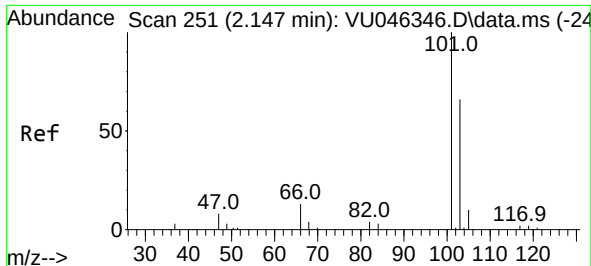
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	155530	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	156895	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	77249	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46322	36.156	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.320%
7) Chloroethane-d5	1.919	69	35103	35.686	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.380%
11) 1,1-Dichloroethene-d2	2.581	63	132490	57.606	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.220%
21) 2-Butanone-d5	4.639	46	78712	77.284	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.280%
24) Chloroform-d	5.066	84	90051	42.090	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.180%
26) 1,2-Dichloroethane-d4	5.706	65	60919	42.427	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.860%
32) Benzene-d6	5.732	84	174654	38.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.680%
36) 1,2-Dichloropropane-d6	6.693	67	55927	40.129	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.260%
41) Toluene-d8	7.899	98	145648	35.573	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.140%#
43) trans-1,3-Dichloroprop...	8.182	79	25267	37.557	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.120%
47) 2-Hexanone-d5	8.635	63	58332	88.277	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.280%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	84659	40.055	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.120%
66) 1,2-Dichlorobenzene-d4	12.195	152	59058	39.698	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.400%#
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.147	101	4847	2.433	ug/L	98
12) 1,1-Dichloroethene	2.587	96	131408	122.195	ug/L #	76
17) trans-1,2-Dichloroethene	3.359	96	6256	5.497	ug/L	93
19) 1,1-Dichloroethane	3.877	63	364964	176.376	ug/L	100
20) cis-1,2-Dichloroethene	4.674	96	109309	88.519	ug/L	97
30) 1,1,1-Trichloroethane	5.324	97	911349	473.208	ug/L	100
34) Trichloroethene	6.546	95	77689	62.102	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	2945	2.360	ug/L	92
46) Tetrachloroethene	8.555	164	79523	86.502	ug/L	99

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

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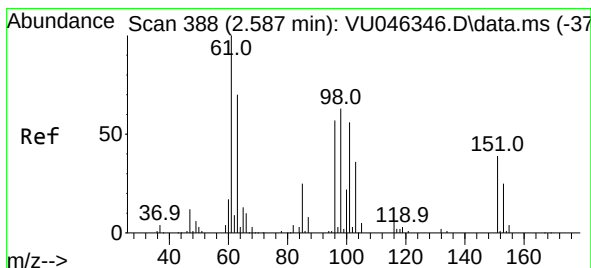
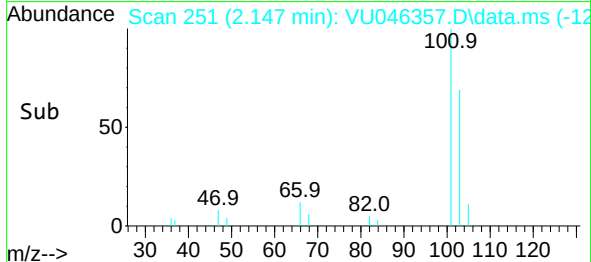
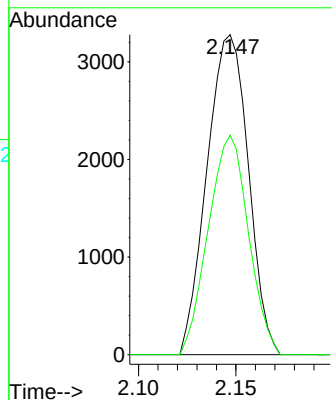
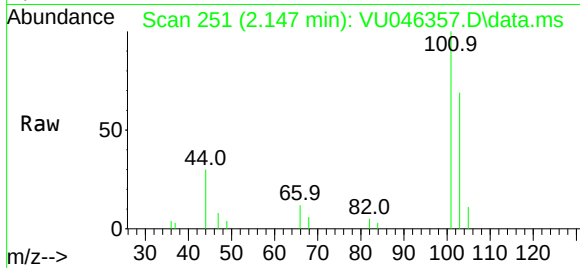
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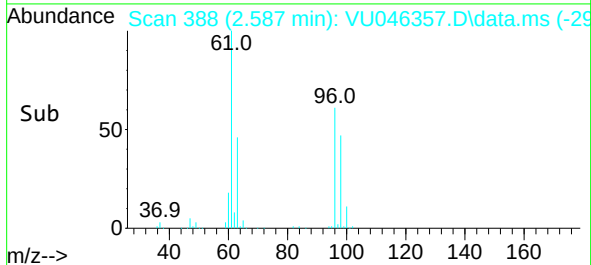
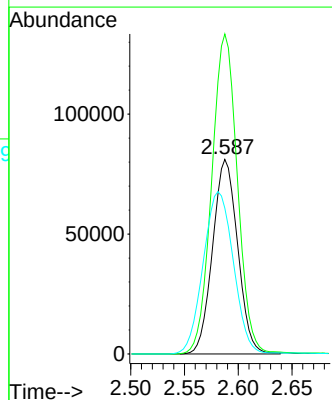
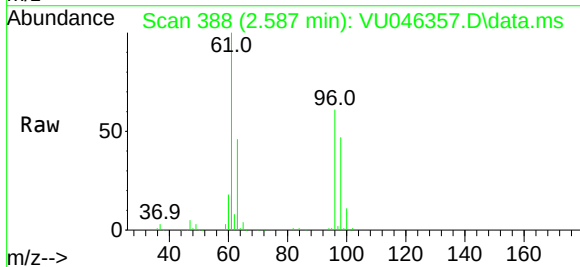
#9
 Trichlorofluoromethane
 Concen: 2.433 ug/L
 RT: 2.147 min Scan# 251
 Delta R.T. -0.000 min
 Lab File: VU046357.D
 Acq: 14 Dec 2021 15:43

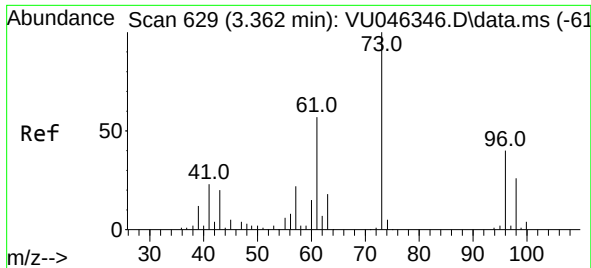
Tgt Ion:101 Resp: 4847
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.8 77.6



#12
 1,1-Dichloroethene
 Concen: 122.195 ug/L
 RT: 2.587 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046357.D
 Acq: 14 Dec 2021 15:43

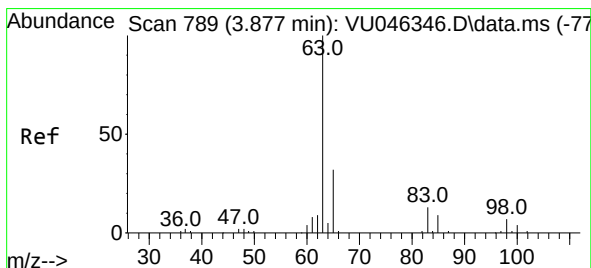
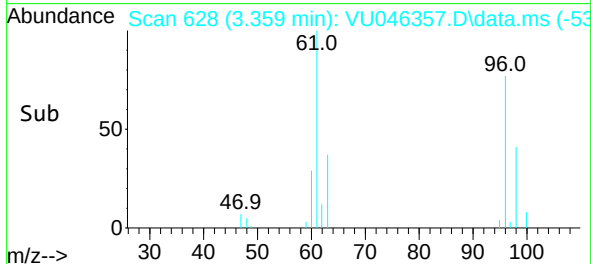
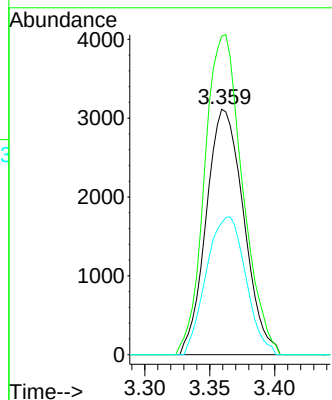
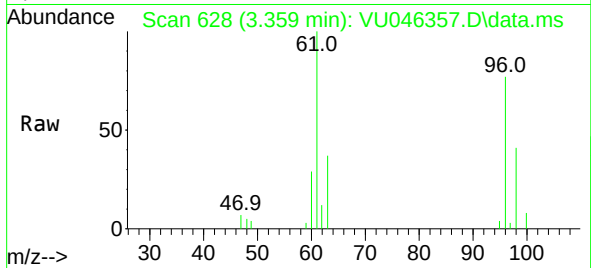
Tgt Ion: 96 Resp: 131408
 Ion Ratio Lower Upper
 96 100
 61 164.5 118.6 220.2
 63 74.9 93.0 172.8#





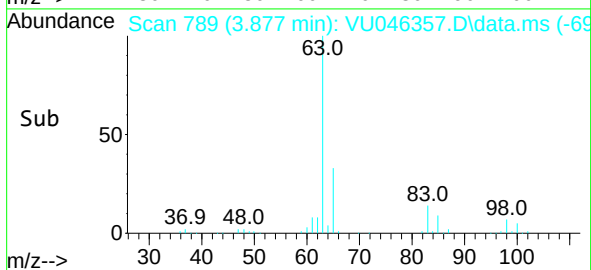
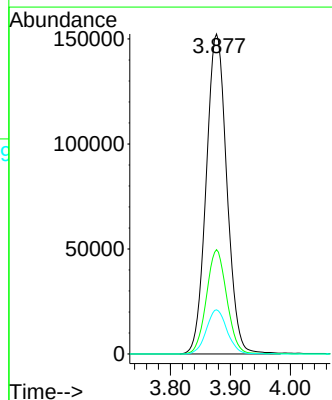
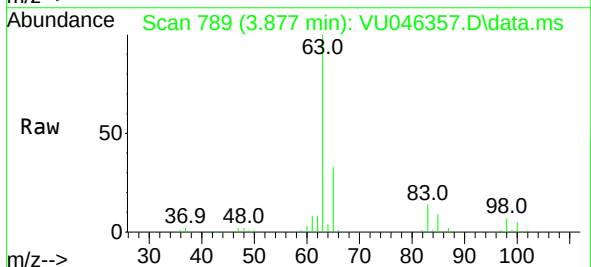
#17
trans-1,2-Dichloroethene
Concen: 5.497 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

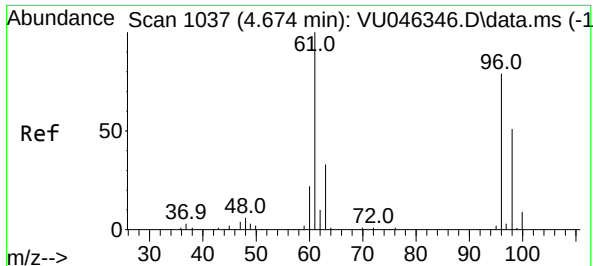
Tgt Ion:	96	Resp:	6256
Ion	Ratio	Lower	Upper
96	100		
61	129.8	94.6	175.6
98	53.7	44.0	81.8



#19
1,1-Dichloroethane
Concen: 176.376 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

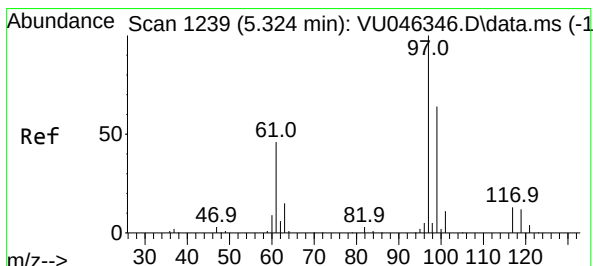
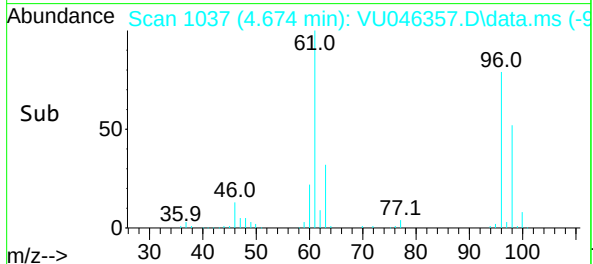
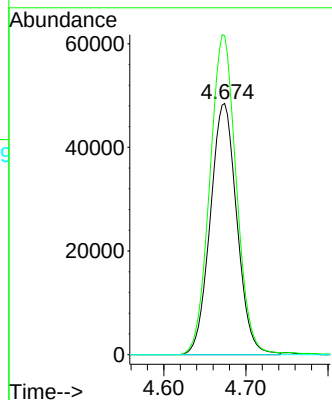
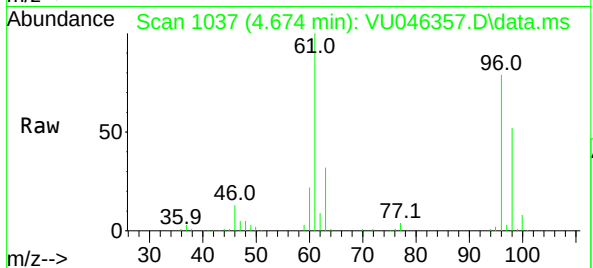
Tgt Ion:	63	Resp:	364964
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.8	42.4
83	13.8	9.6	17.8





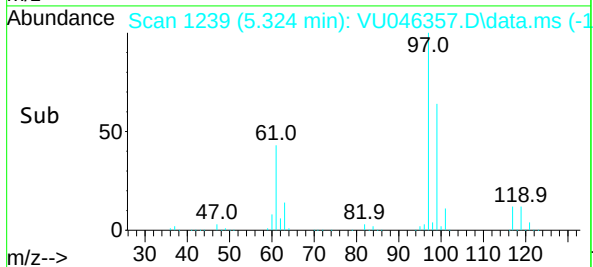
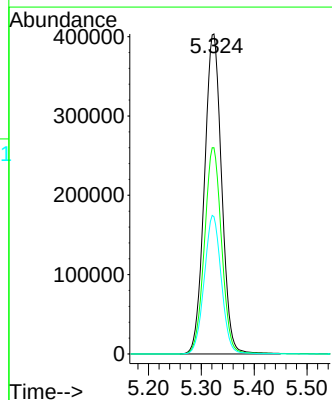
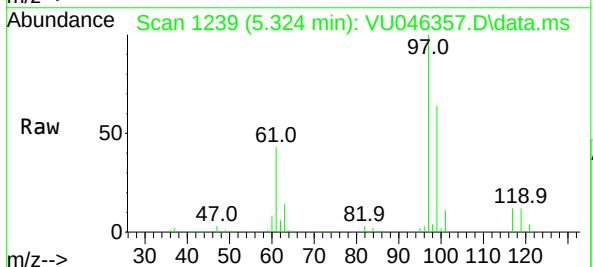
#20
cis-1,2-Dichloroethene
Concen: 88.519 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

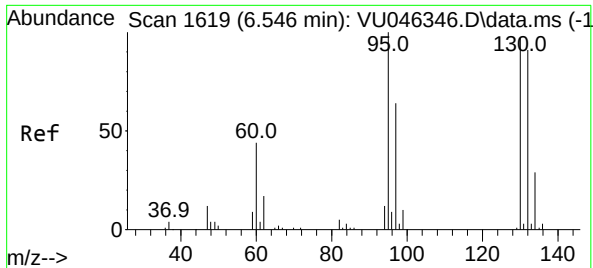
Tgt Ion: 96 Resp: 109309
Ion Ratio Lower Upper
96 100
61 127.1 86.8 161.2
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 473.208 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

Tgt Ion: 97 Resp: 911349
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.6
61 42.9 34.4 51.6

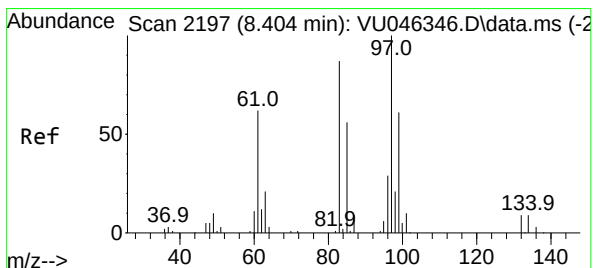
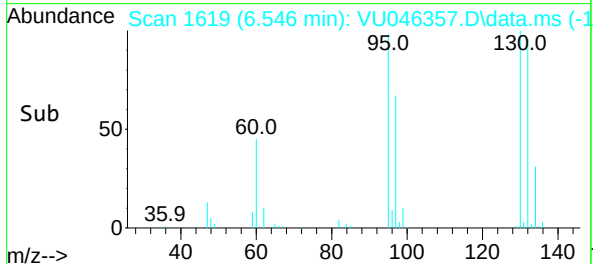
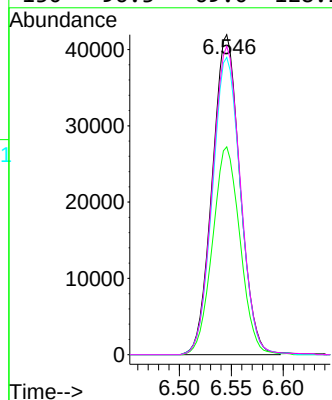
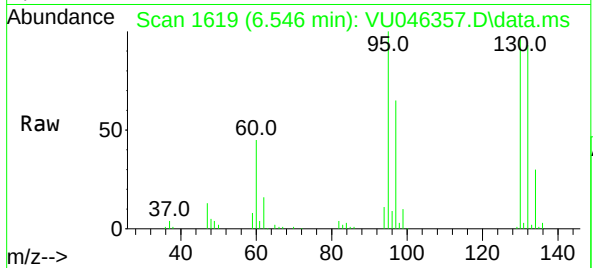




#34
Trichloroethene
Concen: 62.102 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

Tgt Ion: 95 Resp: 77689

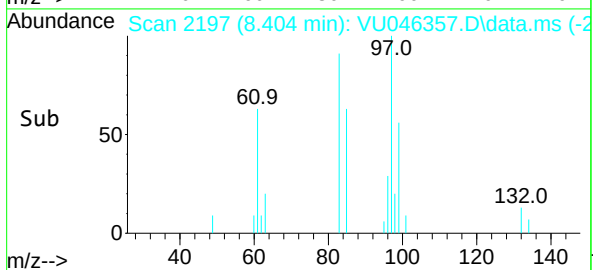
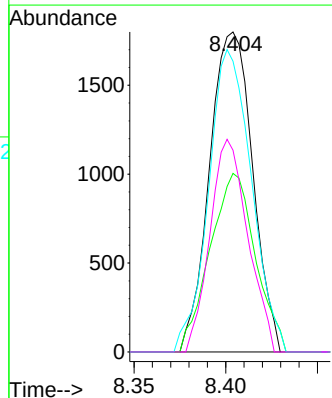
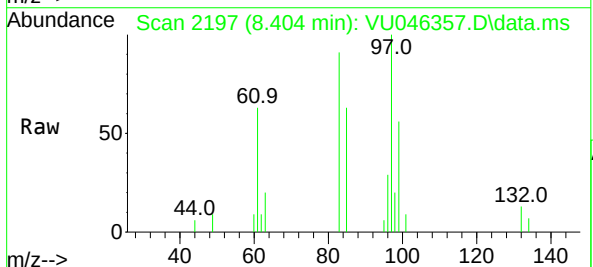
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.1	81.9
132	92.9	66.8	124.0
130	96.3	69.0	128.1

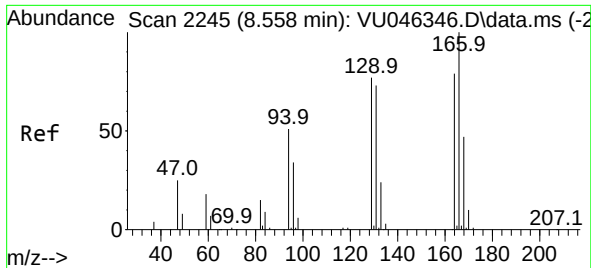


#45
1,1,2-Trichloroethane
Concen: 2.360 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

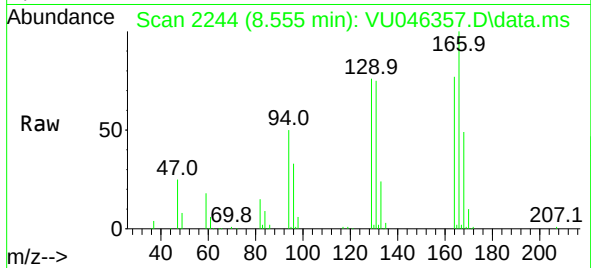
Tgt Ion: 97 Resp: 2945

Ion	Ratio	Lower	Upper
97	100		
99	55.8	44.7	82.9
83	90.8	60.2	111.8
85	63.1	39.3	73.1





#46
 Tetrachloroethene
 Concen: 86.502 ug/L
 RT: 8.555 min Scan# 2244
 Delta R.T. -0.003 min
 Lab File: VU046357.D
 Acq: 14 Dec 2021 15:43



Tgt Ion:164	Resp:	79523
Ion	Ratio	Lower Upper
164	100	
129	98.3	71.1 132.1
131	96.7	67.8 126.0
166	129.7	90.6 168.2

