

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051980.D
 Acq On : 20 Nov 2022 17:48
 Operator : JC/MD
 Sample : N5710-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY3

Quant Time: Nov 21 01:02:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

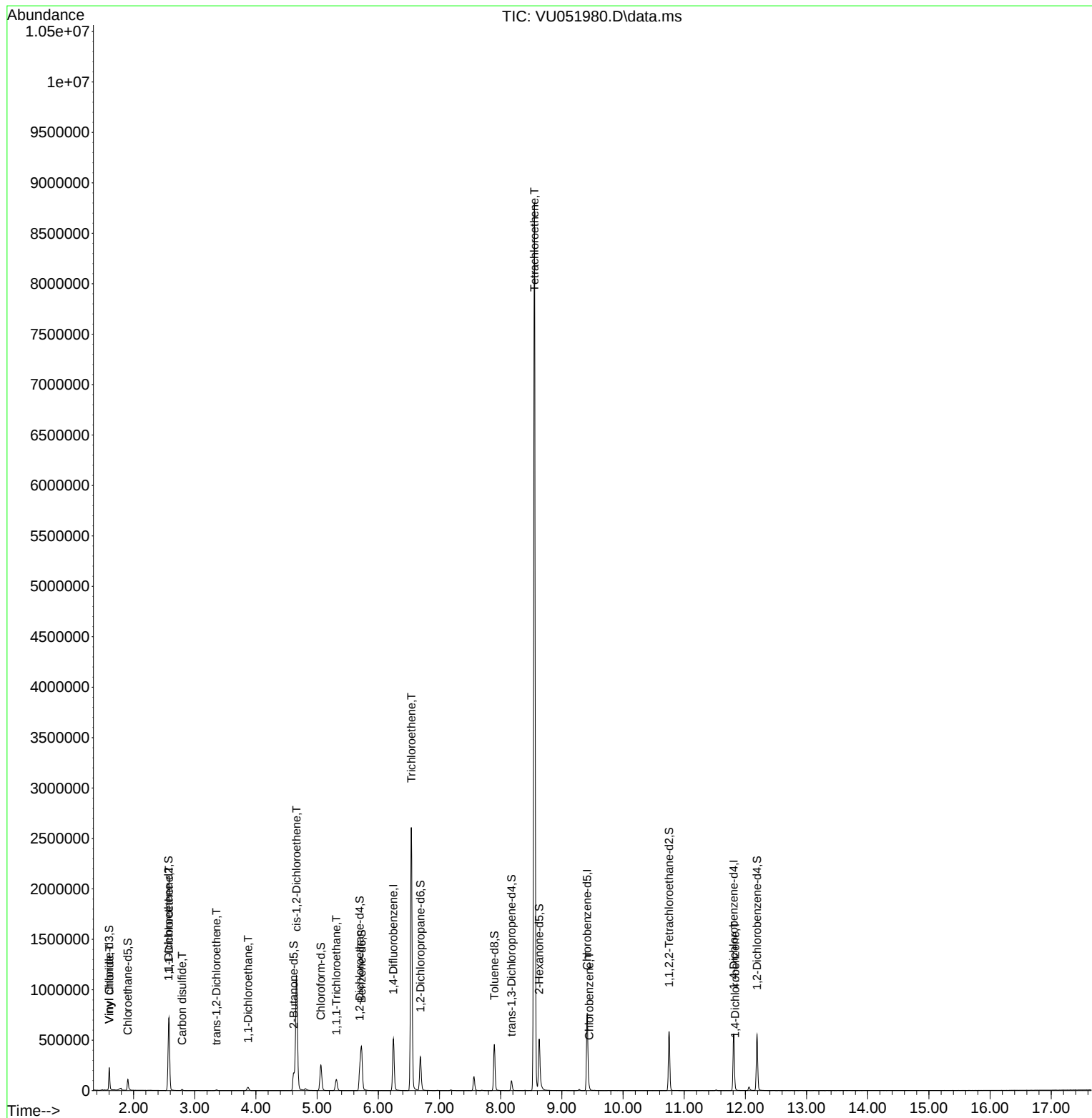
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	430672	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	430833	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	158145	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	78376	37.070	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.140%		
7) Chloroethane-d5	1.906	69	93286	44.037	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.080%		
11) 1,1-Dichloroethene-d2	2.572	63	218892	57.733	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	115.460%		
21) 2-Butanone-d5	4.617	46	242796	100.988	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.990%		
24) Chloroform-d	5.060	84	244778	46.184	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.360%		
26) 1,2-Dichloroethane-d4	5.697	65	155242	47.849	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.700%		
32) Benzene-d6	5.726	84	424922	47.303	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.600%		
36) 1,2-Dichloropropane-d6	6.687	67	166164	49.694	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.380%		
41) Toluene-d8	7.896	98	319394	43.317	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.640%		
43) trans-1,3-Dichloroprop...	8.176	79	55425	41.615	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.220%		
47) 2-Hexanone-d5	8.629	63	176062	103.604	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.600%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	307782	47.294	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.580%		
66) 1,2-Dichlorobenzene-d4	12.192	152	154372	55.468	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.940%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	89065	24.454	ug/L	96
12) 1,1-Dichloroethene	2.578	96	228352	88.972	ug/L	90
14) Carbon disulfide	2.793	76	14567	2.049	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	3511	1.269	ug/L	89
19) 1,1-Dichloroethane	3.871	63	39774	7.065	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	613225	189.973	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	79454	18.241	ug/L	98
34) Trichloroethene	6.539	95	905953	308.566	ug/L	99
46) Tetrachloroethene	8.552	164	1962157	836.830	ug/L	98
51) Chlorobenzene	9.446	112	19131	2.196	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	3603	0.759	ug/L	91

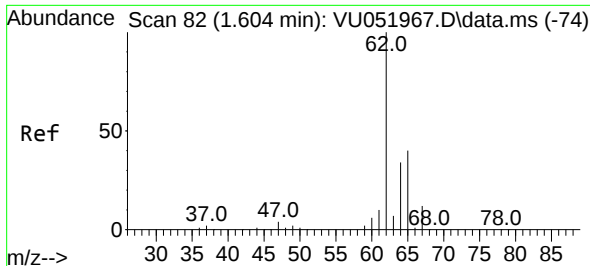
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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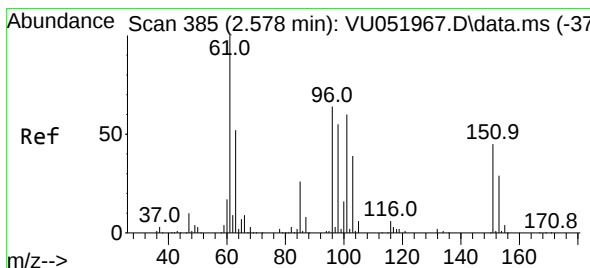
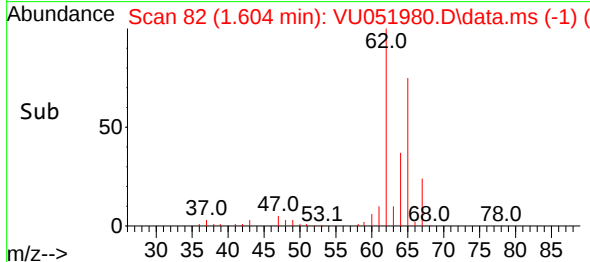
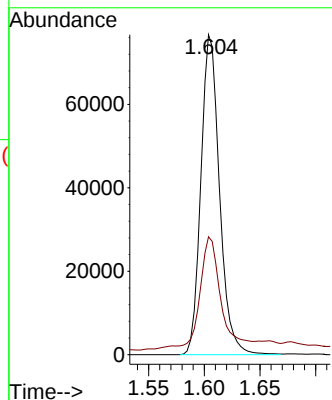
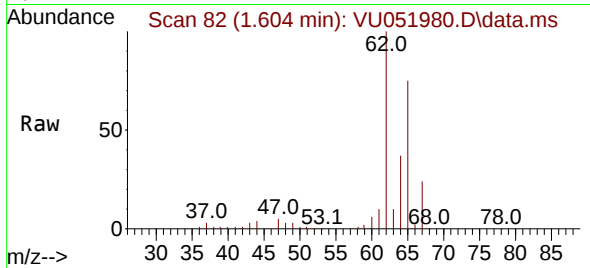




#5
 Vinyl chloride
 Concen: 24.454 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051980.D
 Acq: 20 Nov 2022 17:48

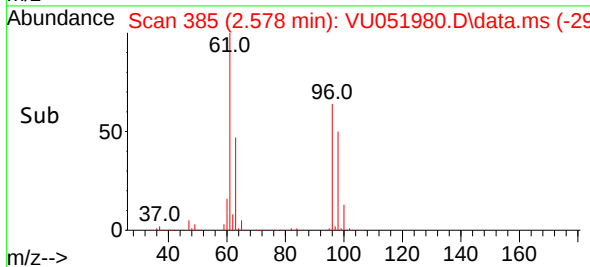
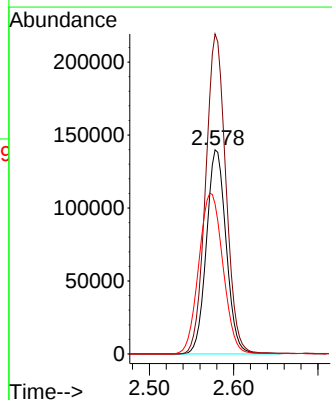
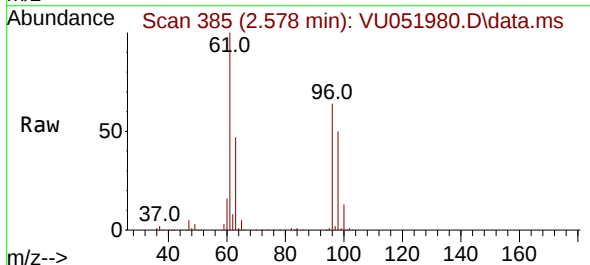
Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY3

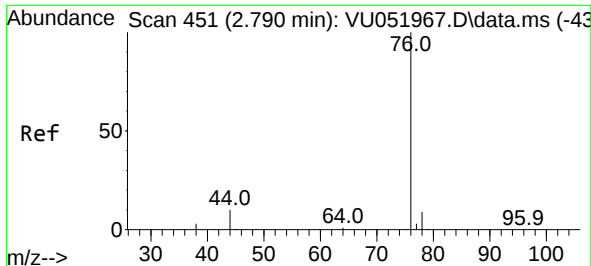
Tgt Ion: 62 Resp: 89065
 Ion Ratio Lower Upper
 62 100
 64 36.9 24.3 45.1



#12
 1,1-Dichloroethene
 Concen: 88.972 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU051980.D
 Acq: 20 Nov 2022 17:48

Tgt Ion: 96 Resp: 228352
 Ion Ratio Lower Upper
 96 100
 61 156.7 110.7 205.5
 63 73.5 68.6 127.4

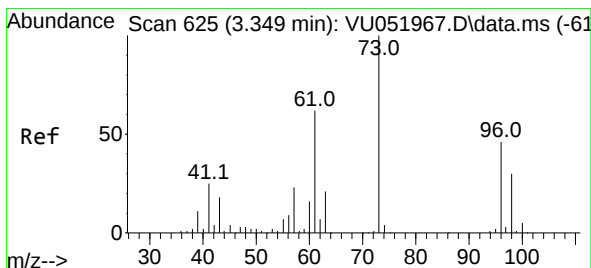
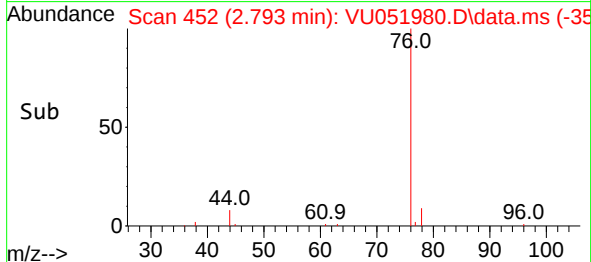
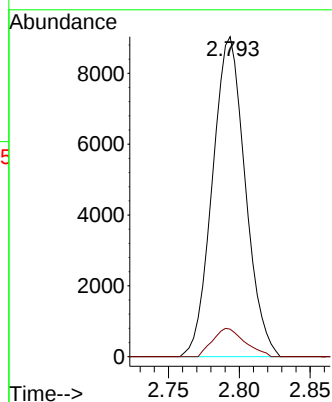
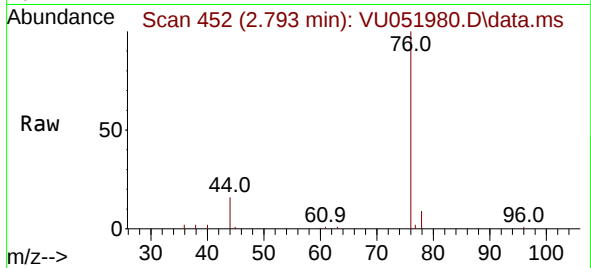




#14
Carbon disulfide
Concen: 2.049 ug/L
RT: 2.793 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

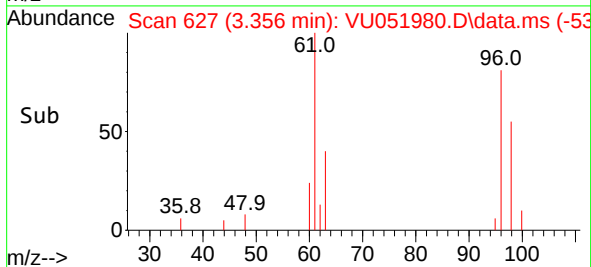
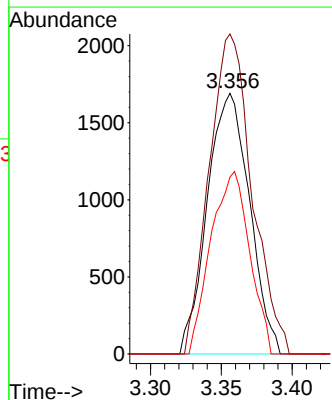
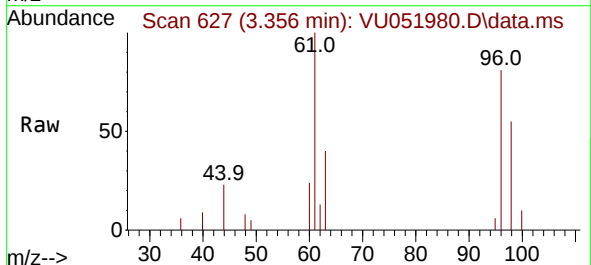
Instrument :
MSVOA_U
ClientSampleId :
COKY3

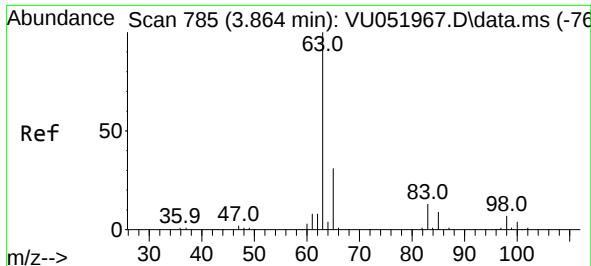
Tgt Ion: 76 Resp: 14567
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#17
trans-1,2-Dichloroethene
Concen: 1.269 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.006 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

Tgt Ion: 96 Resp: 3511
Ion Ratio Lower Upper
96 100
61 122.8 98.3 182.7
98 67.9 45.5 84.5





#19

1,1-Dichloroethane

Concen: 7.065 ug/L

RT: 3.871 min Scan# 785

Delta R.T. 0.006 min

Lab File: VU051980.D

Acq: 20 Nov 2022 17:48

Instrument :

MSVOA_U

ClientSampleId :

C0KY3

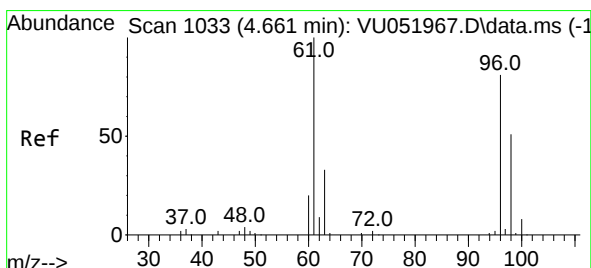
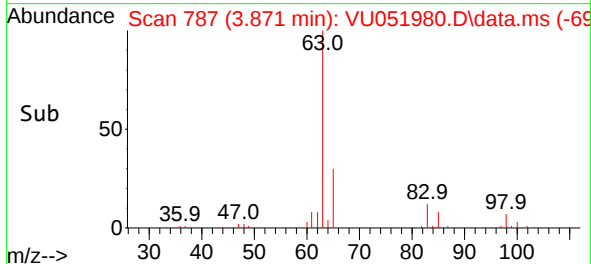
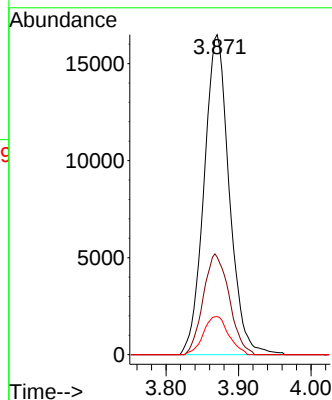
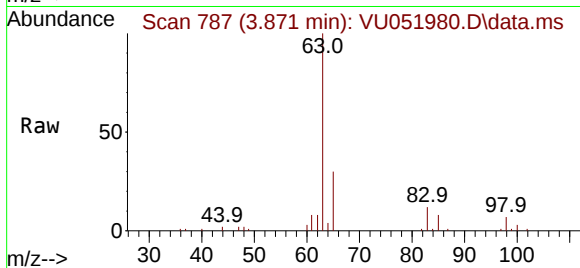
Tgt Ion: 63 Resp: 39774

Ion Ratio Lower Upper

63 100

65 30.5 22.2 41.2

83 11.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 189.973 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051980.D

Acq: 20 Nov 2022 17:48

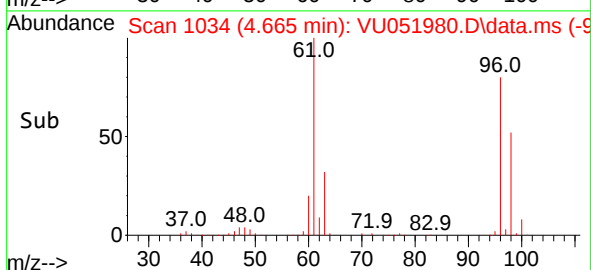
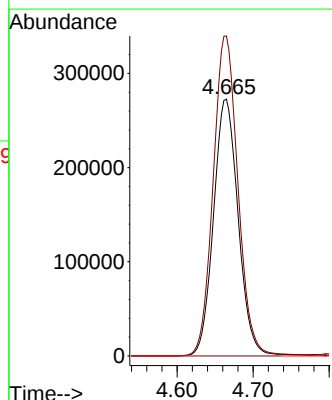
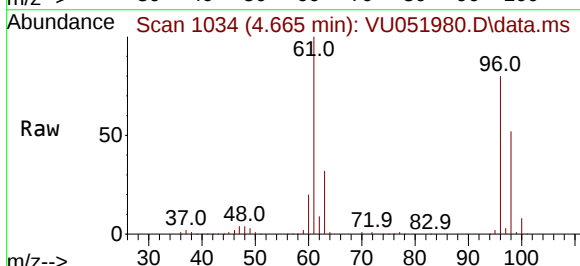
Tgt Ion: 96 Resp: 613225

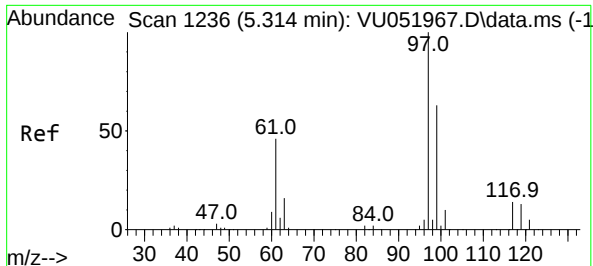
Ion Ratio Lower Upper

96 100

61 124.6 86.0 159.8

68 0.0 0.0 0.0

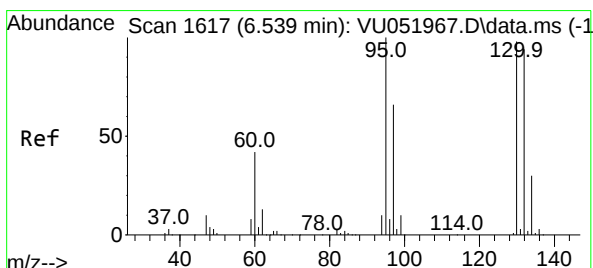
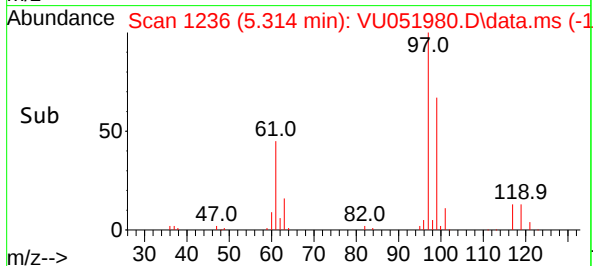
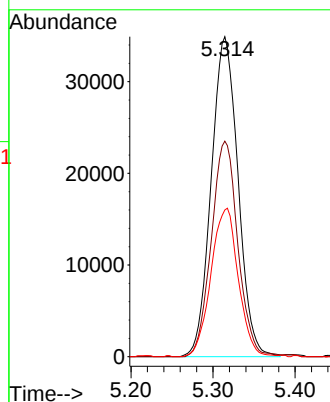
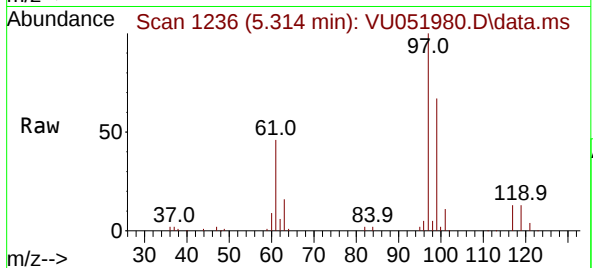




#30
1,1,1-Trichloroethane
Concen: 18.241 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

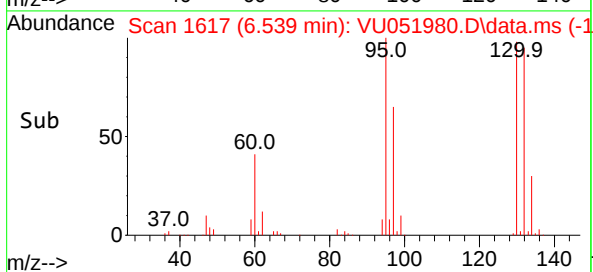
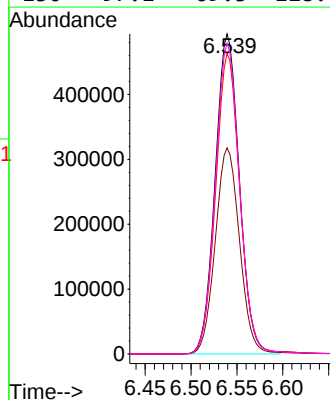
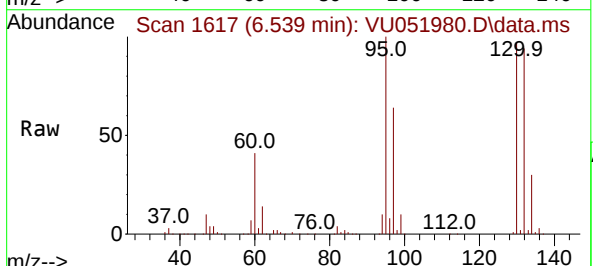
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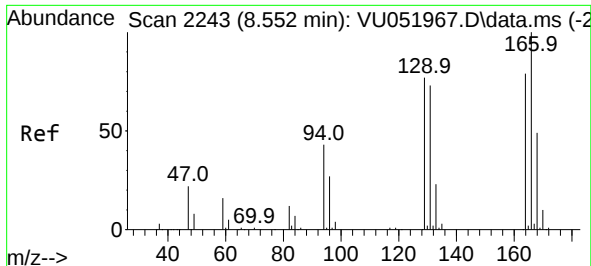
Tgt Ion: 97	Resp: 79454
Ion Ratio	Lower Upper
97 100	
99 66.6	51.2 76.8
61 47.3	37.4 56.2



#34
Trichloroethene
Concen: 308.566 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

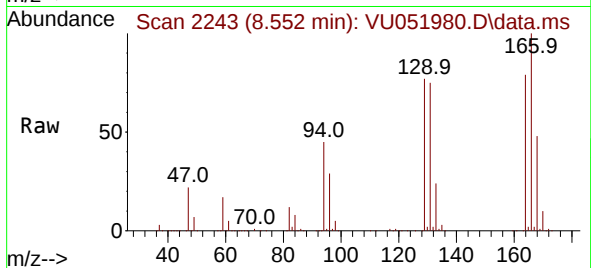
Tgt Ion: 95	Resp: 905953
Ion Ratio	Lower Upper
95 100	
97 64.4	45.8 85.0
132 93.9	65.3 121.3
130 97.1	69.3 128.7





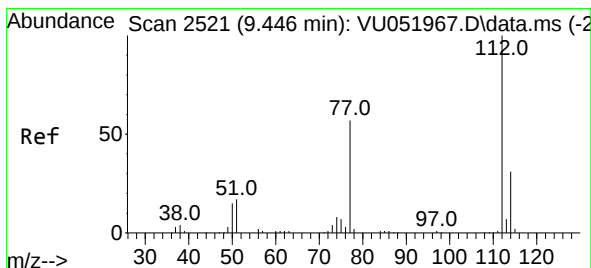
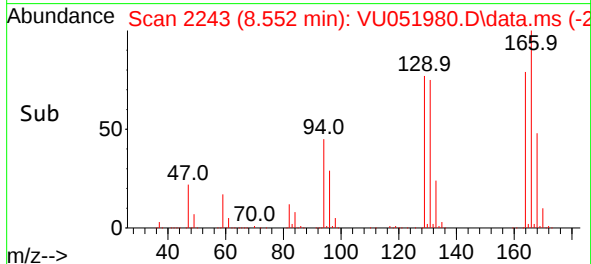
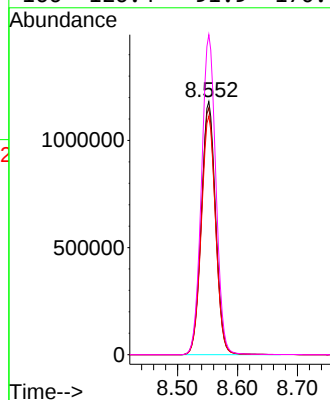
#46
Tetrachloroethene
Concen: 836.830 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

Instrument :
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ClientSampleId :
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Tgt Ion:164 Resp: 1962157

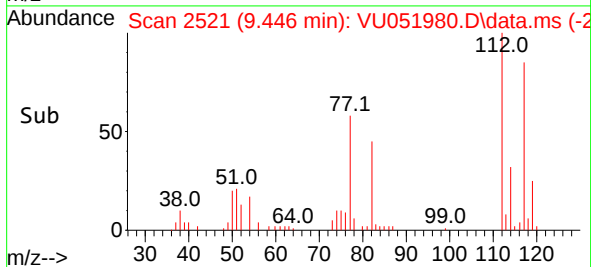
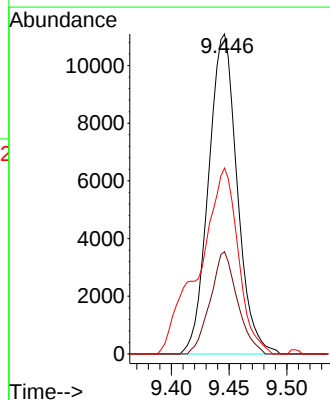
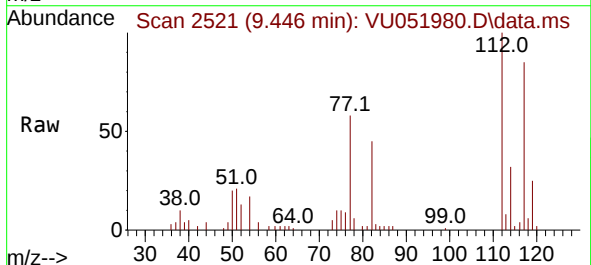
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.5	127.1
131	94.2	66.6	123.8
166	126.4	91.9	170.7

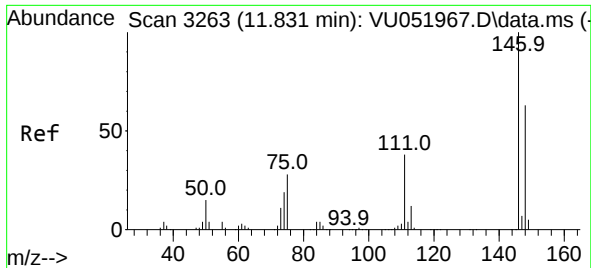


#51
Chlorobenzene
Concen: 2.196 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

Tgt Ion:112 Resp: 19131

Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.2	41.2
77	58.1	46.7	70.1





#65

1,4-Dichlorobenzene

Concen: 0.759 ug/L

RT: 11.832 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU051980.D

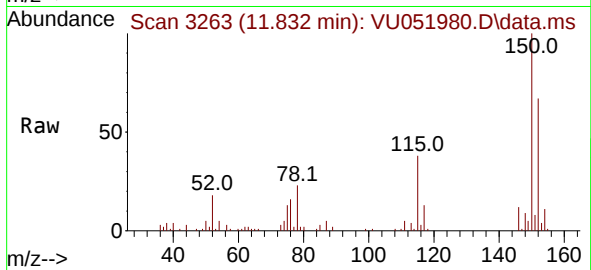
Acq: 20 Nov 2022 17:48

Instrument :

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Tgt Ion:146 Resp: 3603

Ion Ratio Lower Upper

146 100

111 39.8 26.7 49.5

148 73.4 44.4 82.4

