

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
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1448	0.527	ug/L #	20
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
31) Carbon tetrachloride	5.314	117	10827	2.973	ug/L	96
34) Trichloroethene	6.539	95	905953	308.566	ug/L	99
35) Methylcyclohexane	6.687	83	37780	9.490	ug/L #	20
46) Tetrachloroethene	8.552	164	1962157	836.830	ug/L	98
51) Chlorobenzene	9.446	112	19131	2.196	ug/L	100
60) 1,2,3-Trichloropropane	11.809	75	19497	5.154	ug/L #	66
64) 1,3-Dichlorobenzene	11.832	146	3603	0.769	ug/L	92
65) 1,4-Dichlorobenzene	11.832	146	3603	0.759	ug/L	91

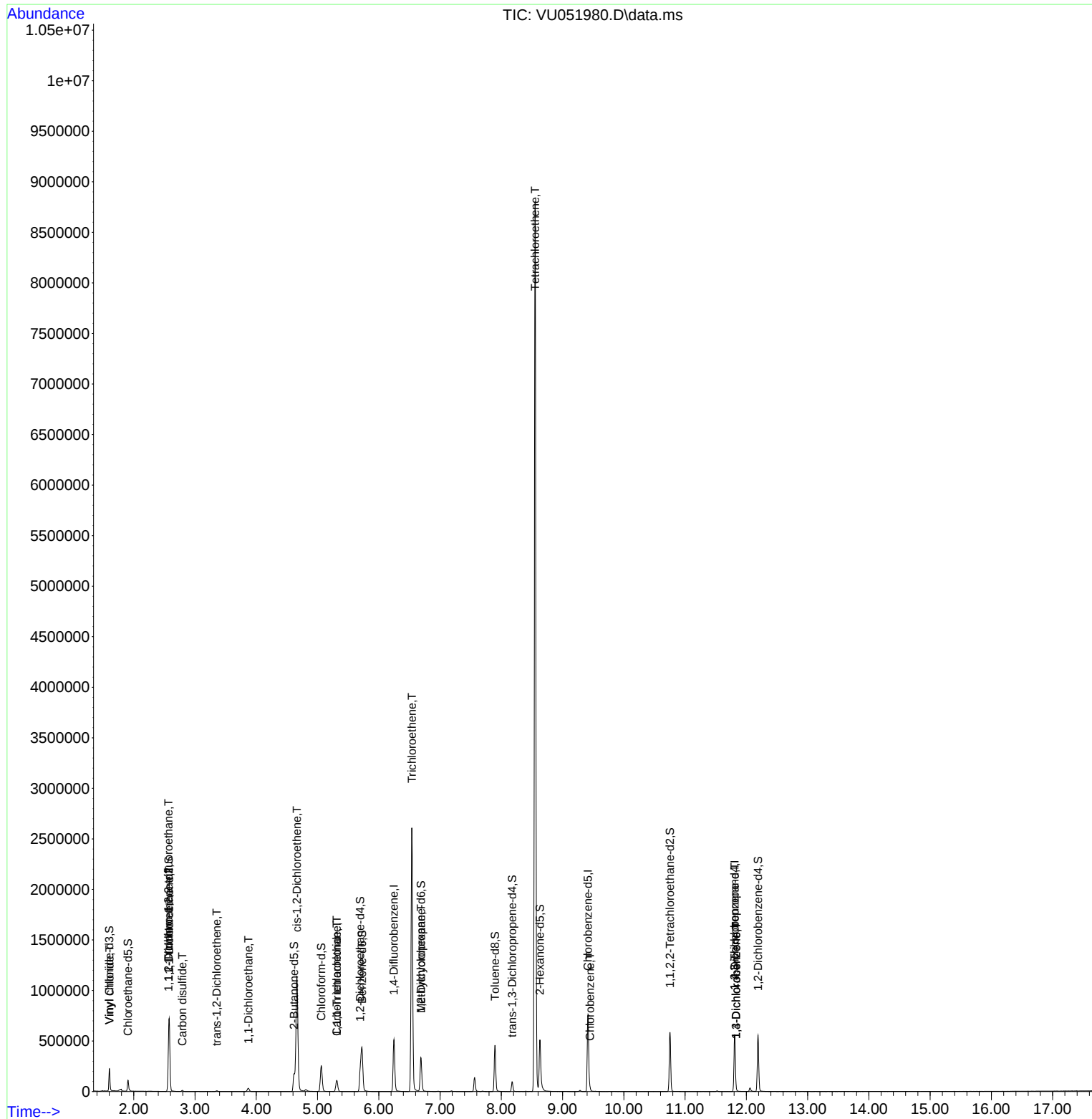
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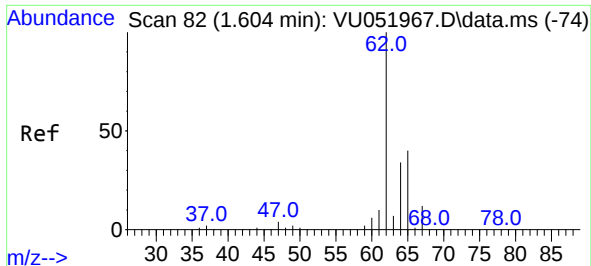
Instrument :
MSVOA_U
ClientSampleId :
C0KY3

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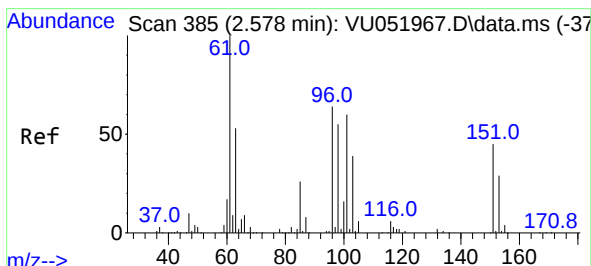
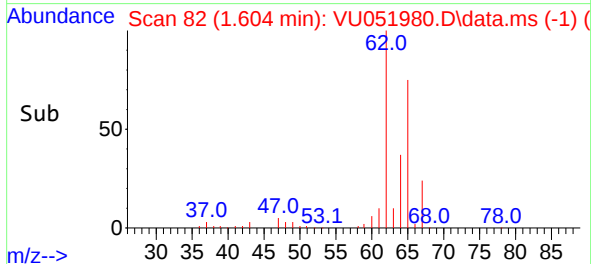
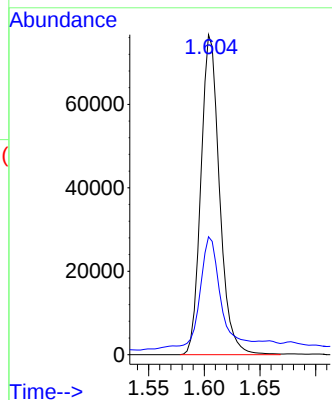
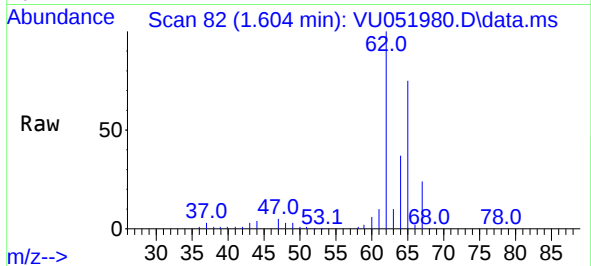




#5
 Vinyl chloride
 Concen: 24.454 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051980.D
 Acq: 20 Nov 2022 17:48

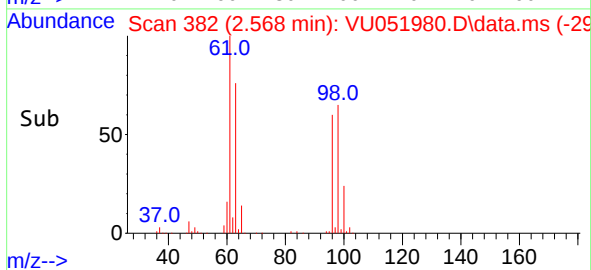
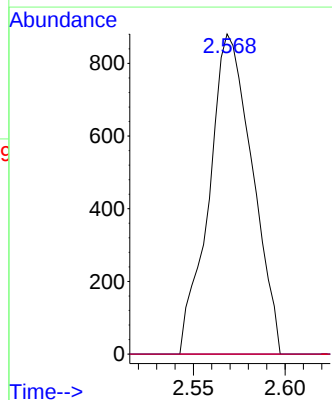
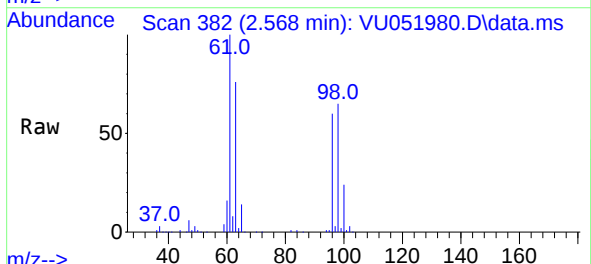
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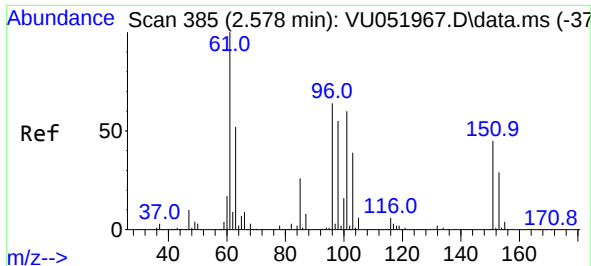
Tgt Ion: 62 Resp: 89065
 Ion Ratio Lower Upper
 62 100
 64 36.9 24.3 45.1



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.527 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.007 min
 Lab File: VU051980.D
 Acq: 20 Nov 2022 17:48

Tgt Ion: 101 Resp: 1448
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.2 51.2#
 151 0.0 58.3 87.5#

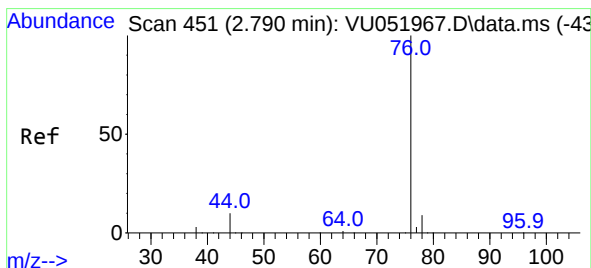
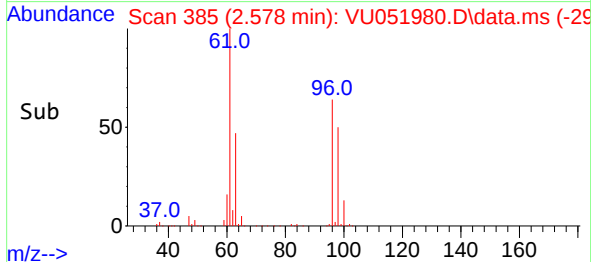
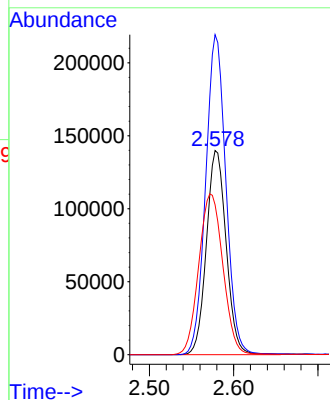
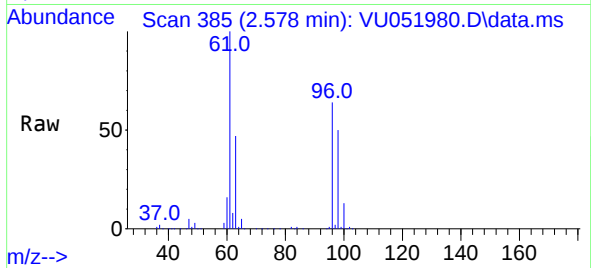




#12
1,1-Dichloroethene
Concen: 88.972 ug/L
RT: 2.578 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

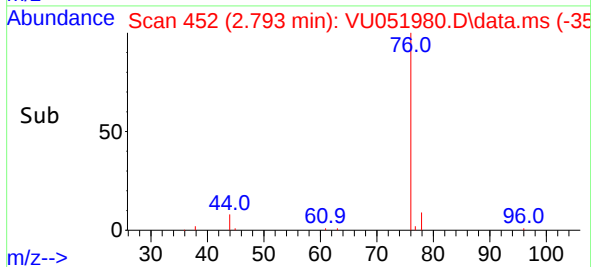
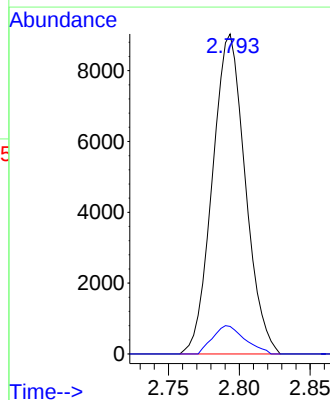
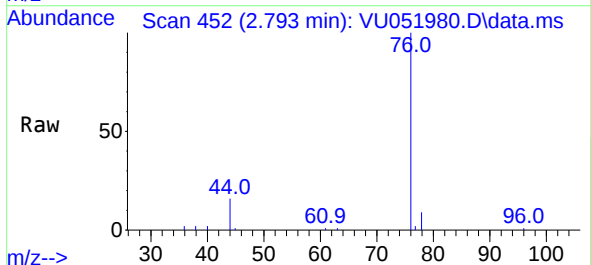
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ClientSampleId :
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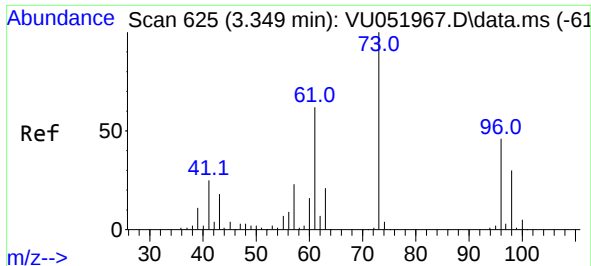
Tgt Ion: 96 Resp: 228352
Ion Ratio Lower Upper
96 100
61 156.7 110.7 205.5
63 73.5 68.6 127.4



#14
Carbon disulfide
Concen: 2.049 ug/L
RT: 2.793 min Scan# 452
Delta R.T. 0.003 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

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

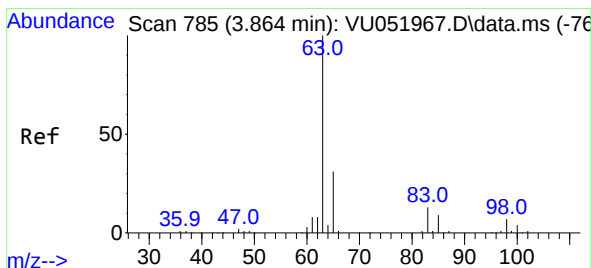
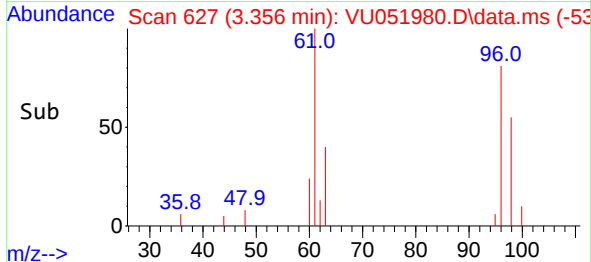
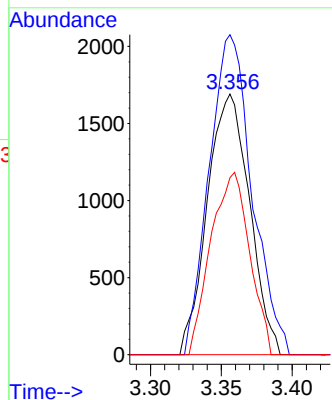
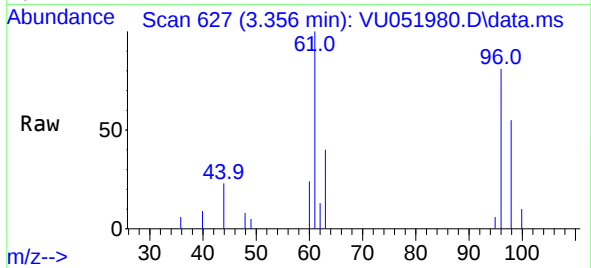




#17
trans-1,2-Dichloroethene
Concen: 1.269 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

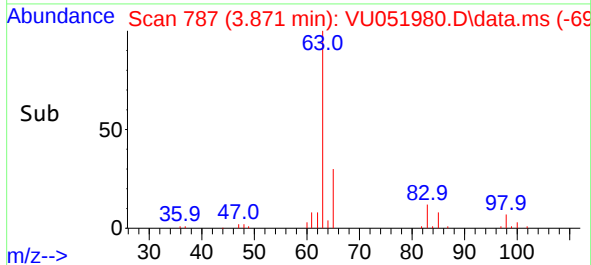
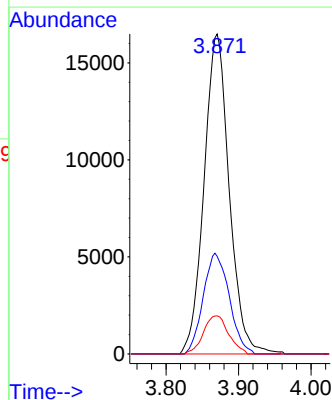
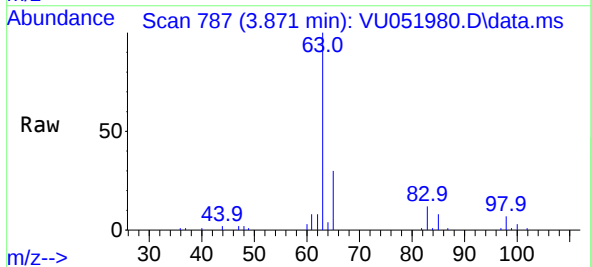
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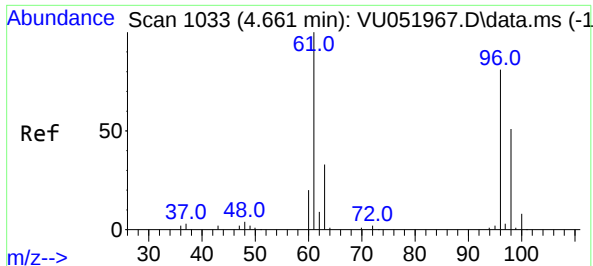
Tgt Ion: 96 Resp: 3511
Ion Ratio Lower Upper
96 100
61 122.8 98.3 182.7
98 67.9 45.5 84.5



#19
1,1-Dichloroethane
Concen: 7.065 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.006 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

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

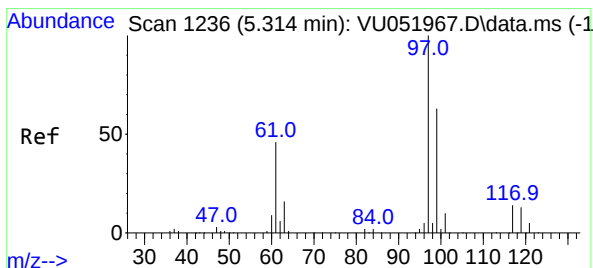
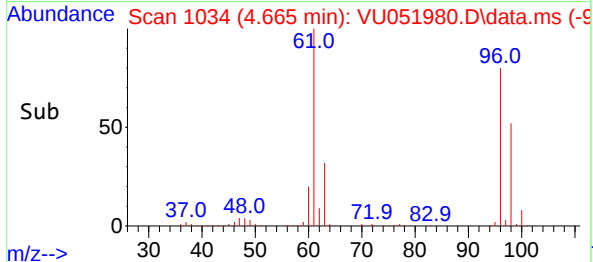
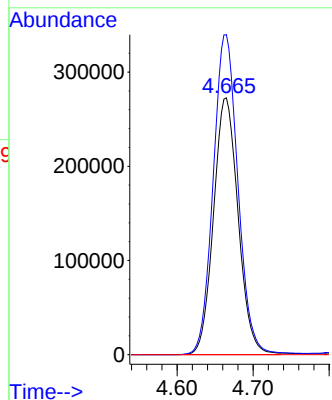
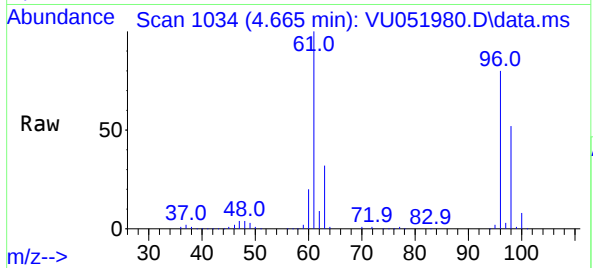




#20
 cis-1,2-Dichloroethene
 Concen: 189.973 ug/L
 RT: 4.665 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU051980.D
 Acq: 20 Nov 2022 17:48

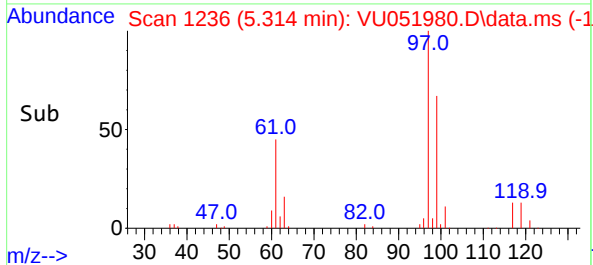
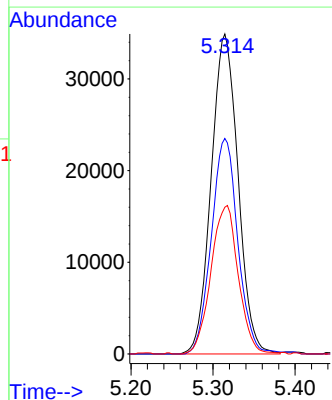
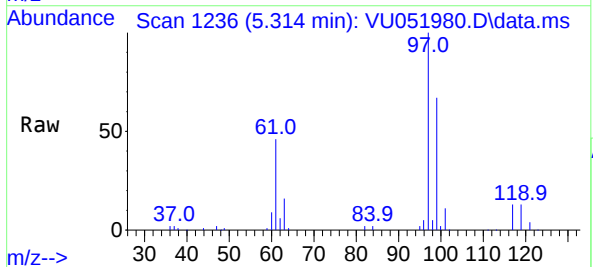
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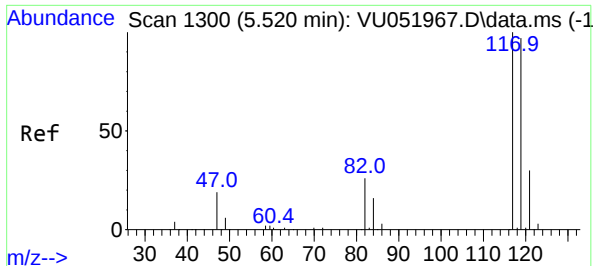
Tgt Ion: 96 Resp: 613225
 Ion Ratio Lower Upper
 96 100
 61 124.6 86.0 159.8
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 18.241 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. -0.000 min
 Lab File: VU051980.D
 Acq: 20 Nov 2022 17:48

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

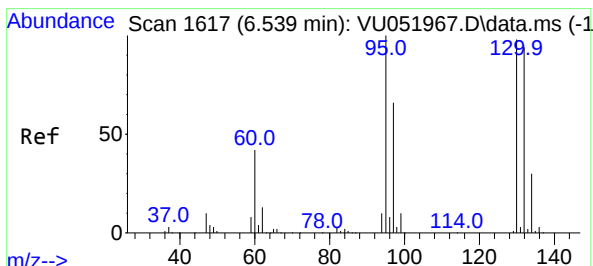
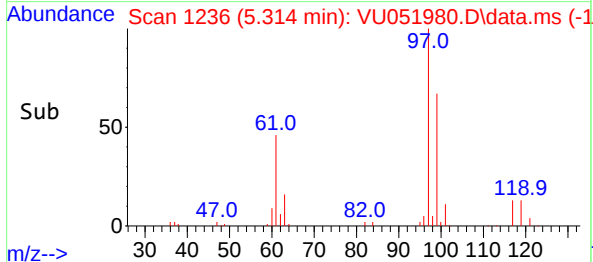
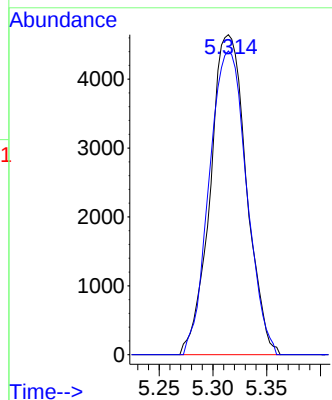
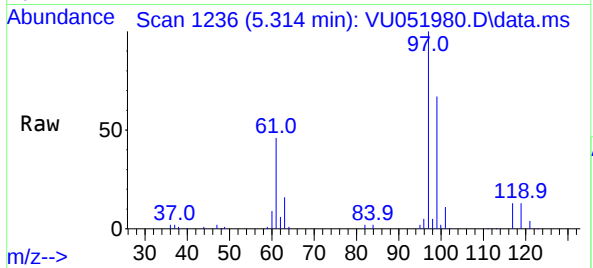




#31
Carbon tetrachloride
Concen: 2.973 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

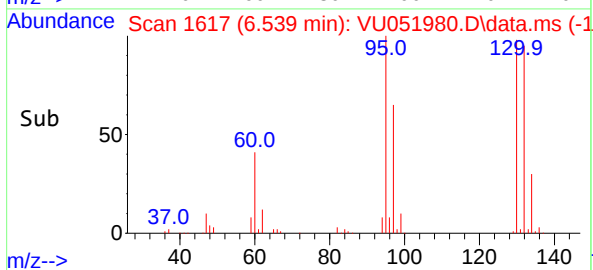
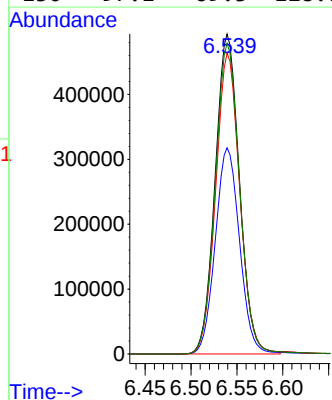
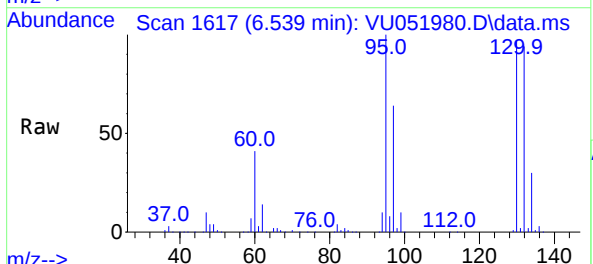
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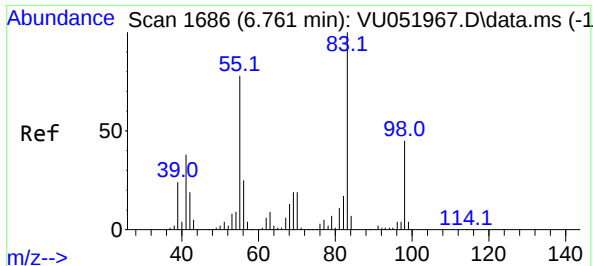
Tgt Ion:117 Resp: 10827
Ion Ratio Lower Upper
117 100
119 98.3 75.6 113.4



#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

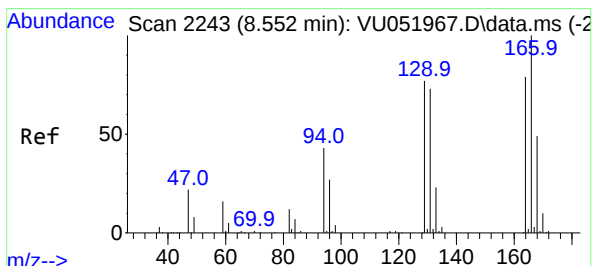
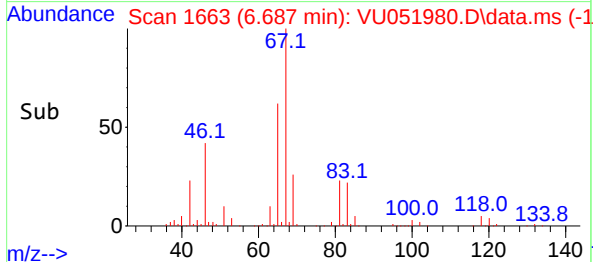
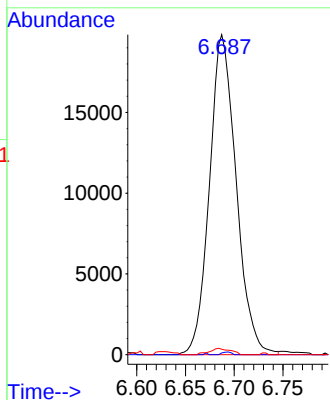
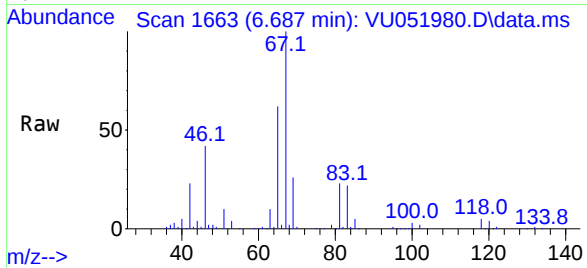




#35
Methylcyclohexane
Concen: 9.490 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

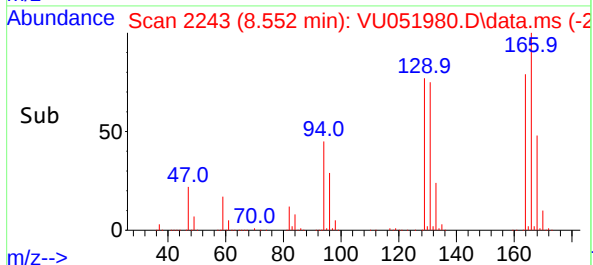
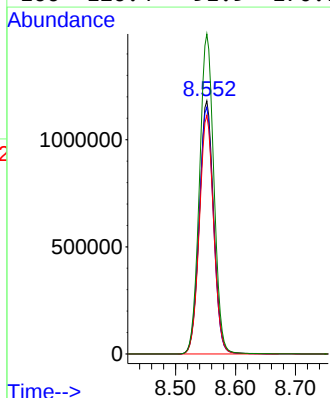
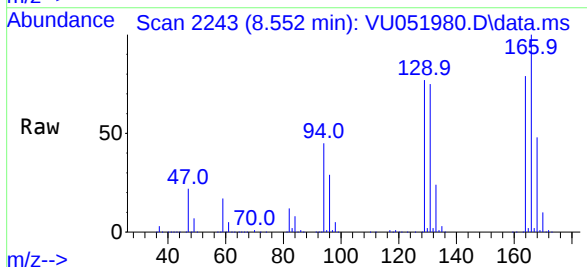
Instrument :
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ClientSampleId :
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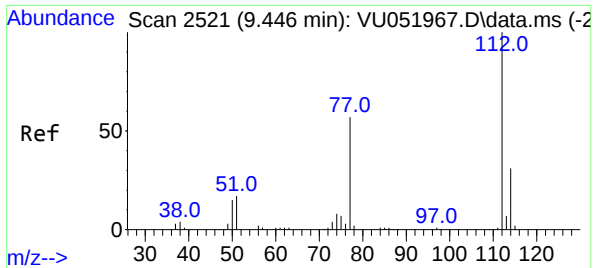
Tgt Ion: 83 Resp: 37780
Ion Ratio Lower Upper
83 100
55 0.3 60.0 90.0#
98 1.5 35.8 53.8#



#46
Tetrachloroethene
Concen: 836.830 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

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

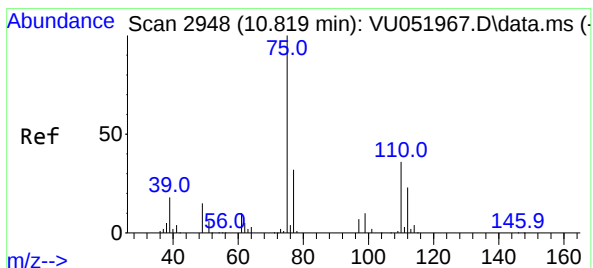
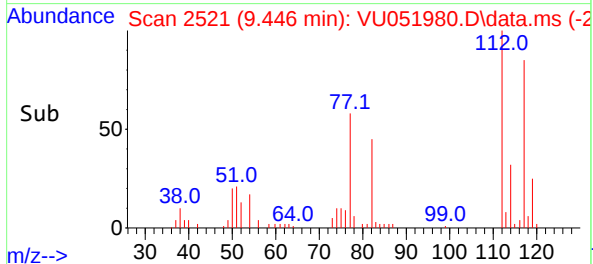
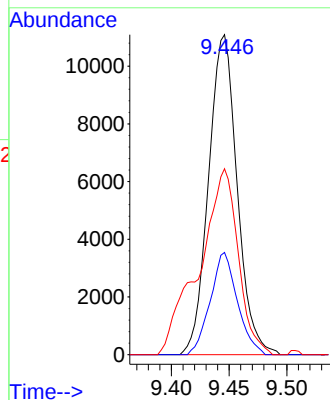
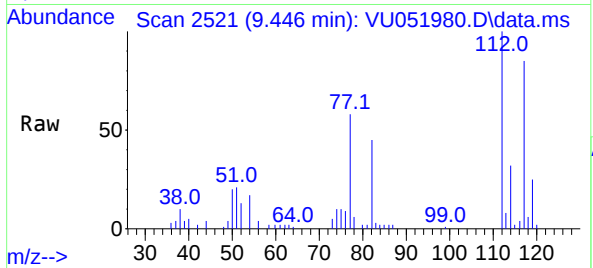




#51
Chlorobenzene
Concen: 2.196 ug/L
RT: 9.446 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

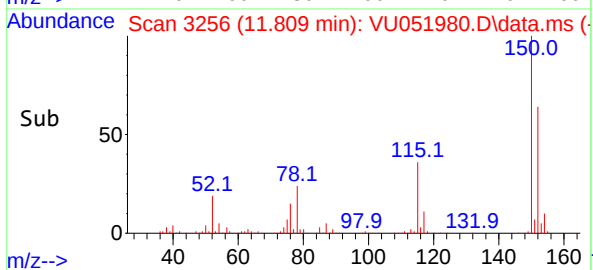
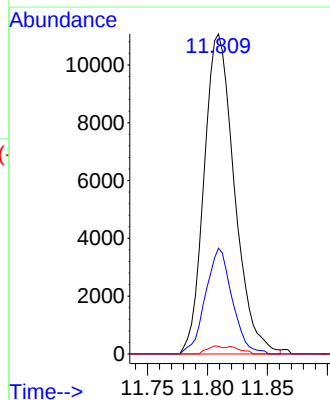
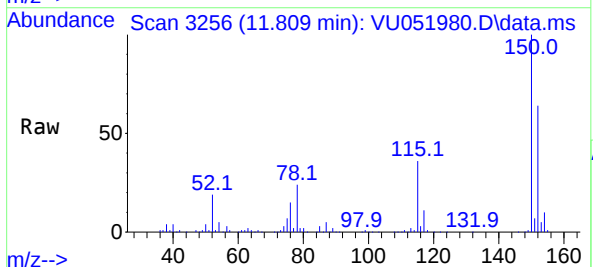
Instrument :
MSVOA_U
ClientSampleId :
COKY3

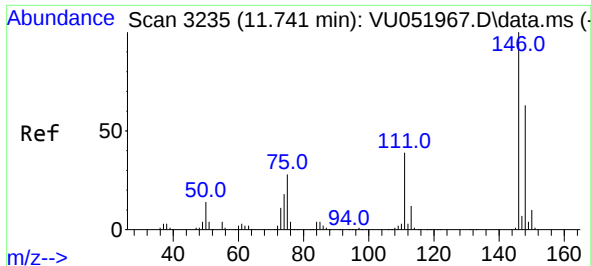
Tgt Ion:112 Resp: 19131
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 58.1 46.7 70.1



#60
1,2,3-Trichloropropane
Concen: 5.154 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

Tgt Ion: 75 Resp: 19497
Ion Ratio Lower Upper
75 100
77 29.1 26.2 39.4
110 1.2 29.0 43.4#

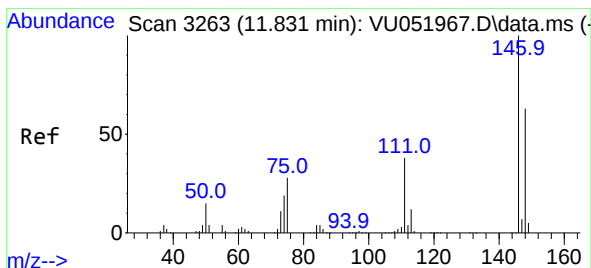
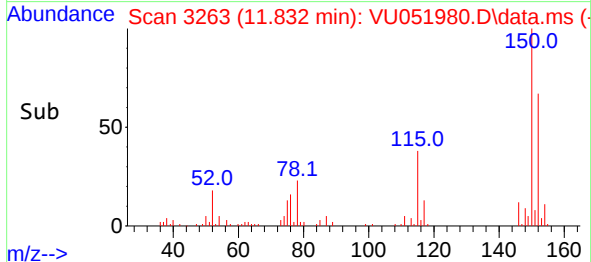
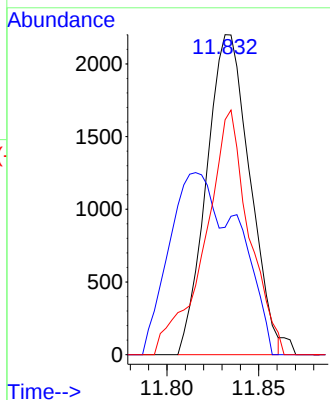
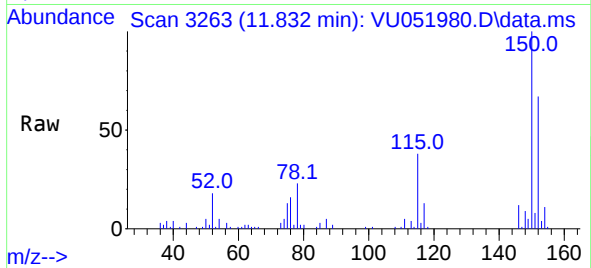




#64
1,3-Dichlorobenzene
Concen: 0.769 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.087 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

Instrument :
MSVOA_U
ClientSampleId :
COKY3

Tgt Ion:146 Resp: 3603
Ion Ratio Lower Upper
146 100
111 39.8 28.1 52.1
148 73.4 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 0.759 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU051980.D
Acq: 20 Nov 2022 17:48

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

