

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051978.D
 Acq On : 20 Nov 2022 16:56
 Operator : JC/MD
 Sample : N5710-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY1

Quant Time: Nov 21 01:02:40 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)

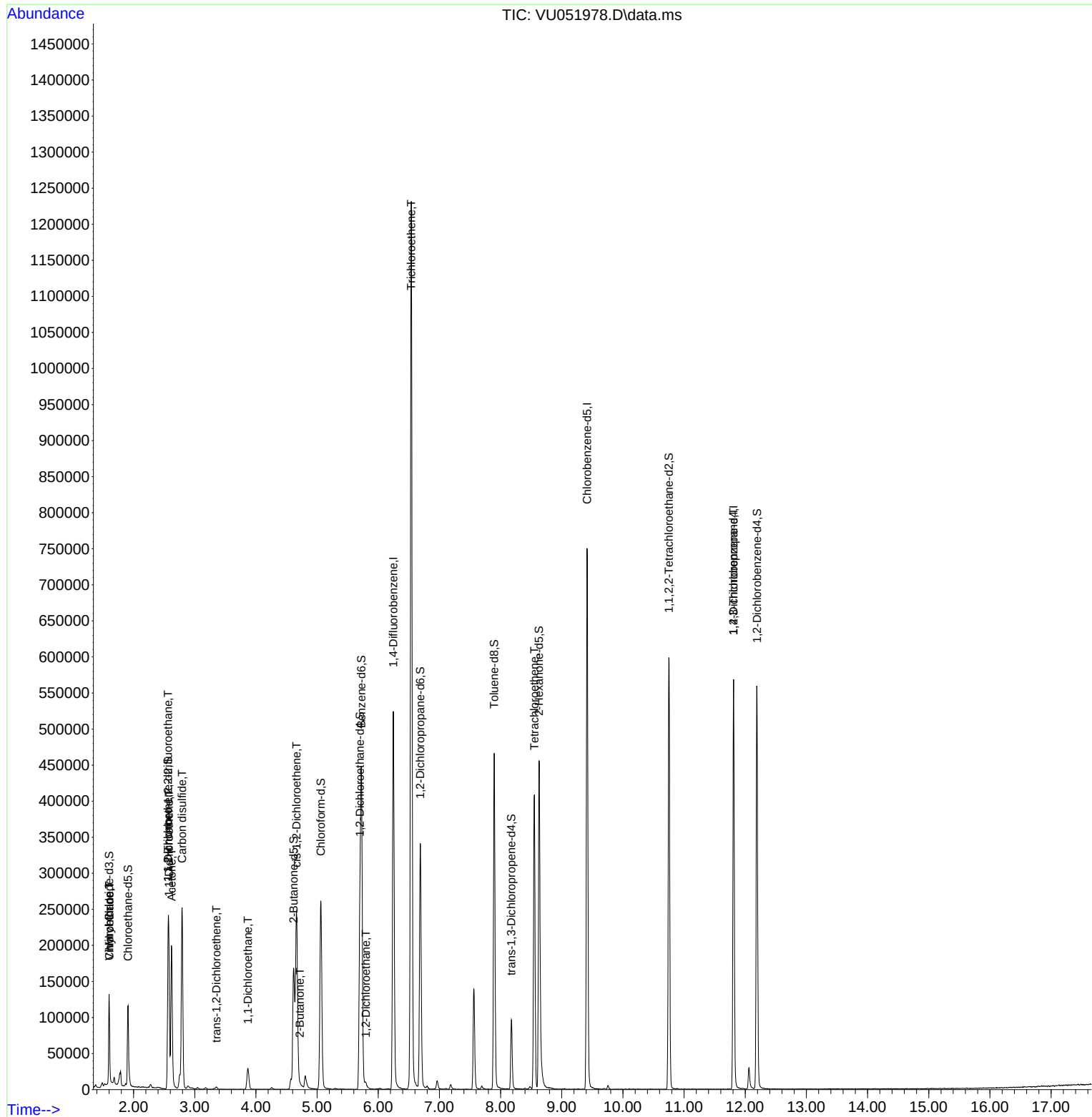
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	436328	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	431250	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	157169	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	82158	38.355	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.700%		
7) Chloroethane-d5	1.909	69	96437	44.934	ug/L	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.860%		
11) 1,1-Dichloroethene-d2	2.565	63	125607	32.700	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.400%		
21) 2-Butanone-d5	4.616	46	248407	101.983	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.980%		
24) Chloroform-d	5.060	84	253040	47.124	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.240%		
26) 1,2-Dichloroethane-d4	5.700	65	157151	47.809	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.620%		
32) Benzene-d6	5.726	84	430501	47.877	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.760%		
36) 1,2-Dichloropropane-d6	6.687	67	169920	50.768	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.540%		
41) Toluene-d8	7.896	98	317249	42.985	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.960%		
43) trans-1,3-Dichloroprop...	8.176	79	56091	42.074	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.140%		
47) 2-Hexanone-d5	8.629	63	151884	89.290	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.290%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	308366	47.338	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.680%		
66) 1,2-Dichlorobenzene-d4	12.192	152	153944	55.658	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.320%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	8130	2.203	ug/L #	4
8) Chloroethane	1.604	64	7154	2.982	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1201	0.431	ug/L #	20
12) 1,1-Dichloroethene	2.578	96	40817	15.697	ug/L #	60
13) Acetone	2.620	43	207953	79.798	ug/L	99
14) Carbon disulfide	2.793	76	335911	46.629	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	1313	0.469	ug/L	87
19) 1,1-Dichloroethane	3.870	63	34943	6.127	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	128486	39.288	ug/L	98
22) 2-Butanone	4.719	43	3172	1.078	ug/L #	69
27) 1,2-Dichloroethane	5.796	62	5412	1.231	ug/L #	94
34) Trichloroethene	6.539	95	431758	146.914	ug/L	98
46) Tetrachloroethene	8.552	164	93086	39.661	ug/L	98
60) 1,2,3-Trichloropropane	11.809	75	18083	4.810	ug/L #	69

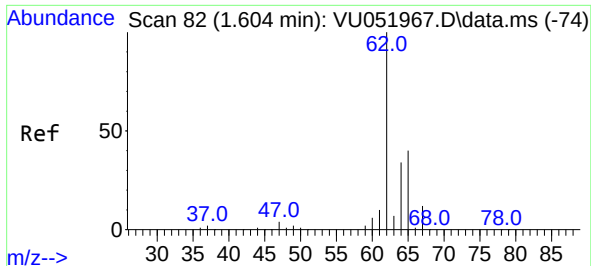
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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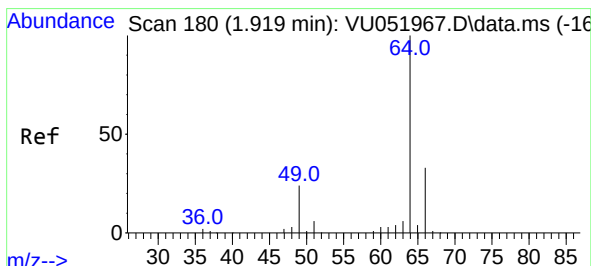
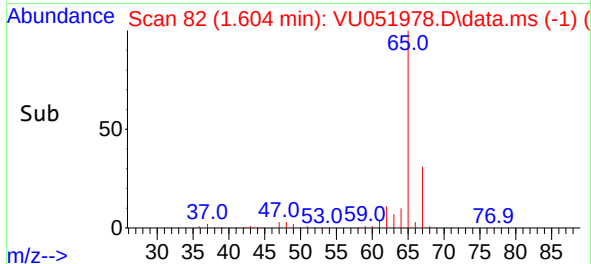
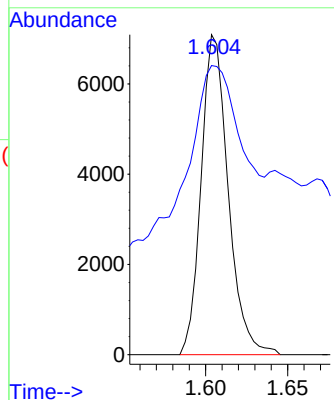
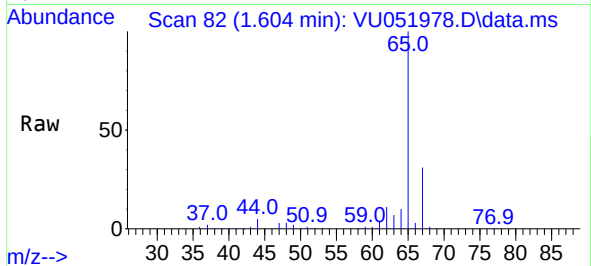




#5
 Vinyl chloride
 Concen: 2.203 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU051978.D
 Acq: 20 Nov 2022 16:56

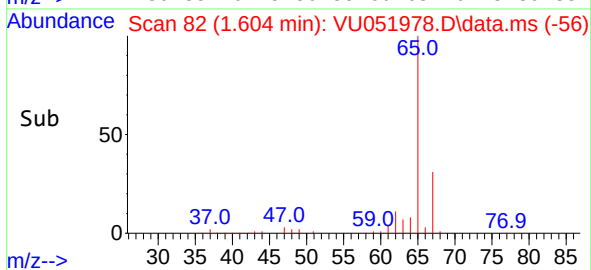
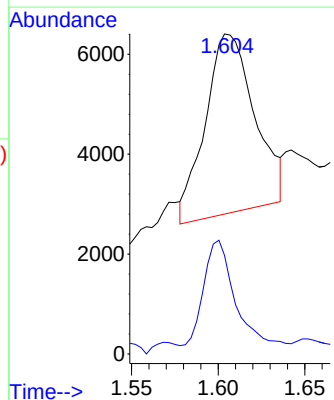
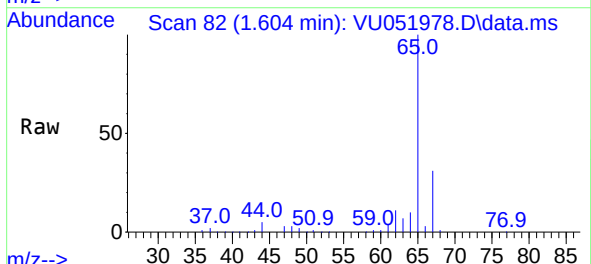
Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY1

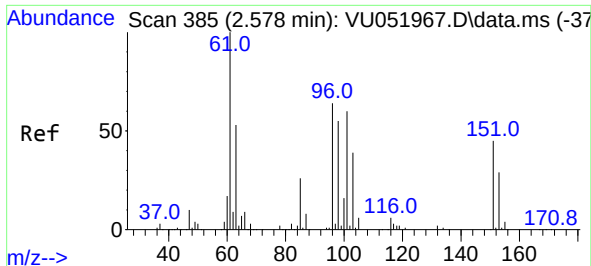
Tgt Ion: 62 Resp: 8130
 Ion Ratio Lower Upper
 62 100
 64 90.4 24.3 45.1#



#8
 Chloroethane
 Concen: 2.982 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.315 min
 Lab File: VU051978.D
 Acq: 20 Nov 2022 16:56

Tgt Ion: 64 Resp: 7154
 Ion Ratio Lower Upper
 64 100
 66 30.8 22.4 41.6

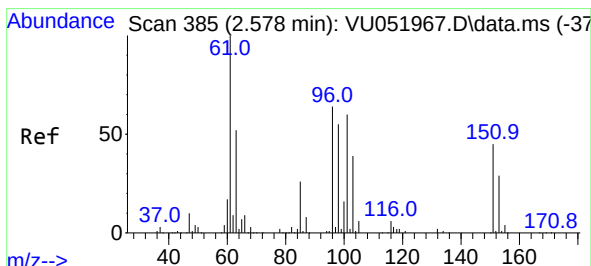
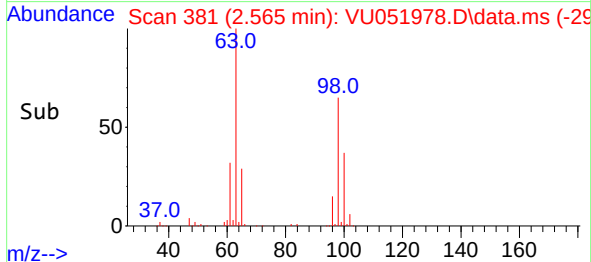
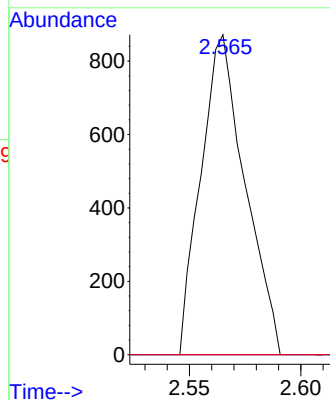
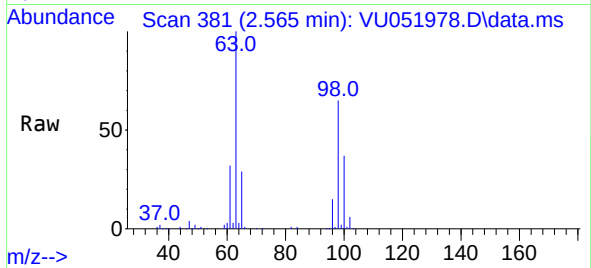




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.431 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.010 min
 Lab File: VU051978.D
 Acq: 20 Nov 2022 16:56

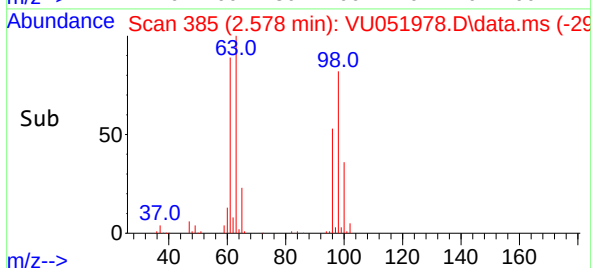
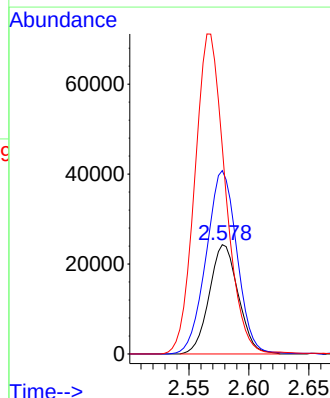
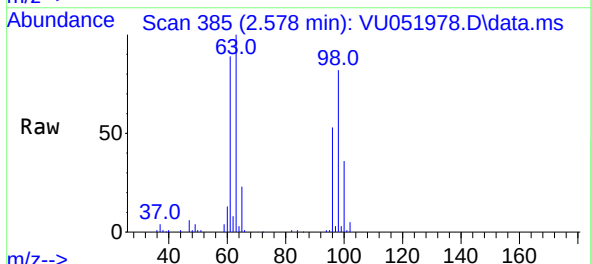
Instrument :
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 ClientSampleId :
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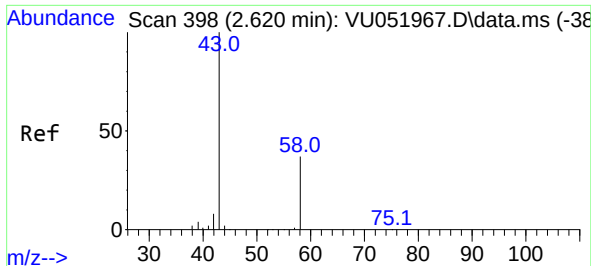
Tgt Ion:101 Resp: 1201
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.2 51.2#
 151 0.0 58.3 87.5#



#12
 1,1-Dichloroethene
 Concen: 15.697 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU051978.D
 Acq: 20 Nov 2022 16:56

Tgt Ion: 96 Resp: 40817
 Ion Ratio Lower Upper
 96 100
 61 167.8 110.7 205.5
 63 189.5 68.6 127.4#





#13

Acetone

Concen: 79.798 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU051978.D

Acq: 20 Nov 2022 16:56

Instrument :

MSVOA_U

ClientSampleId :

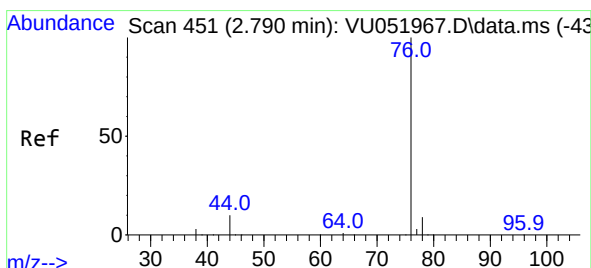
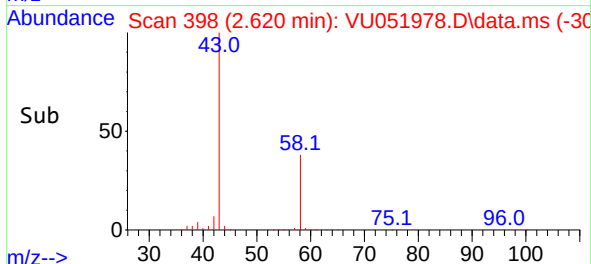
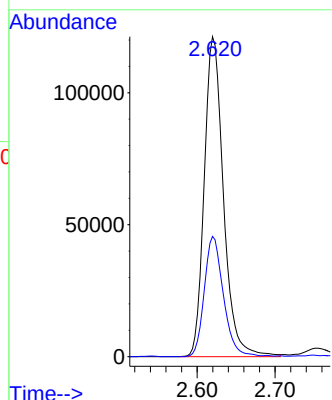
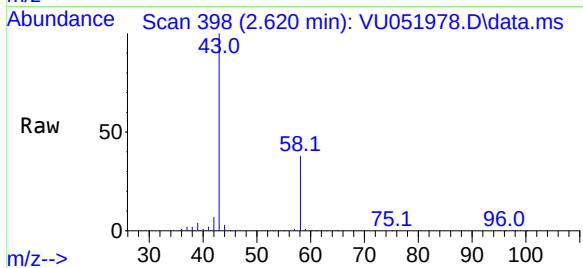
C0KY1

Tgt Ion: 43 Resp: 207953

Ion Ratio Lower Upper

43 100

58 37.3 0.0 75.4



#14

Carbon disulfide

Concen: 46.629 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051978.D

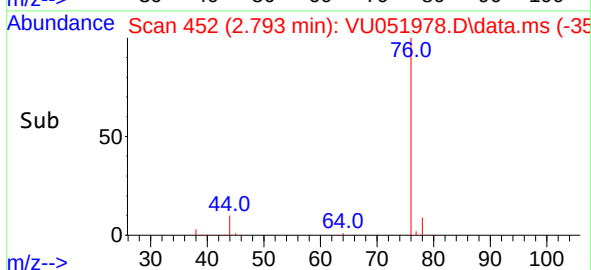
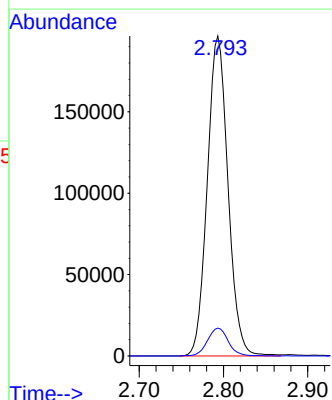
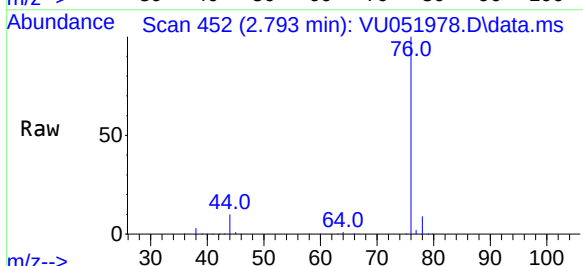
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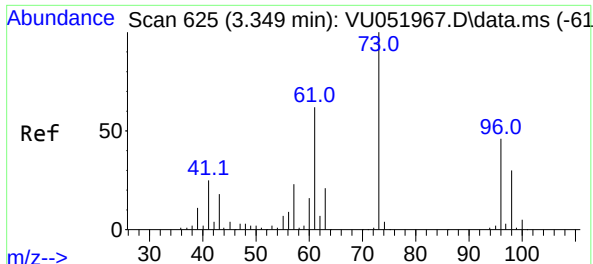
Tgt Ion: 76 Resp: 335911

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

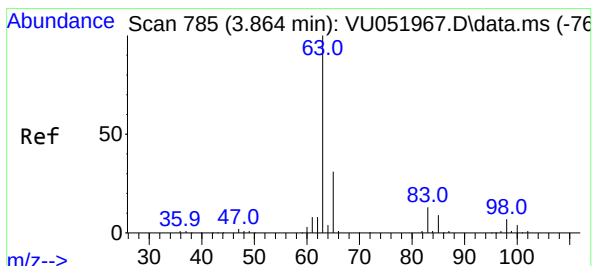
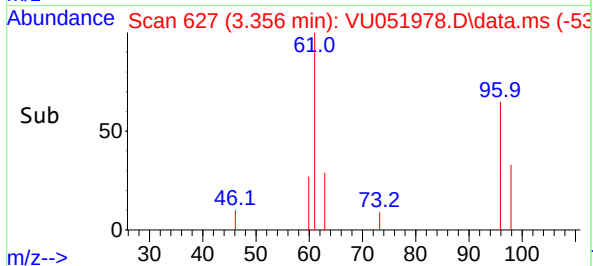
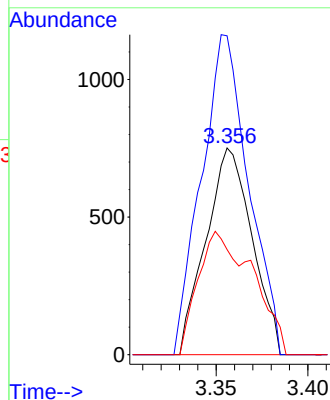
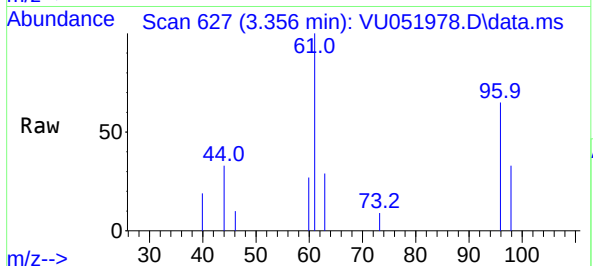




#17
trans-1,2-Dichloroethene
Concen: 0.469 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU051978.D
Acq: 20 Nov 2022 16:56

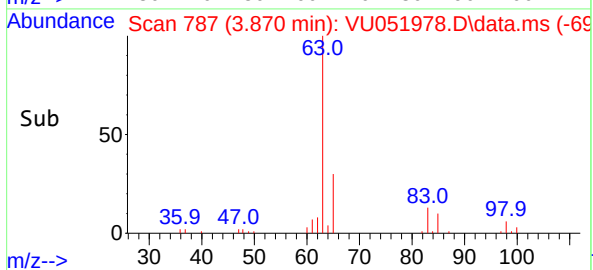
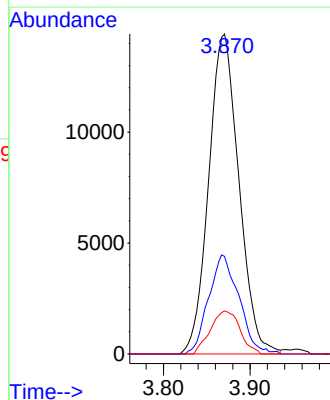
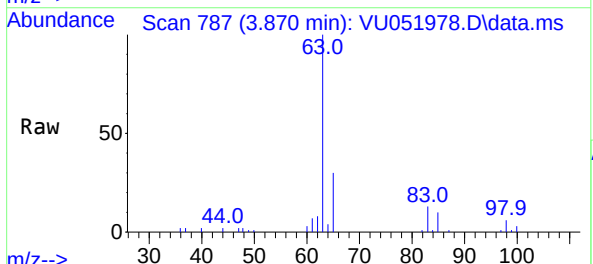
Instrument :
MSVOA_U
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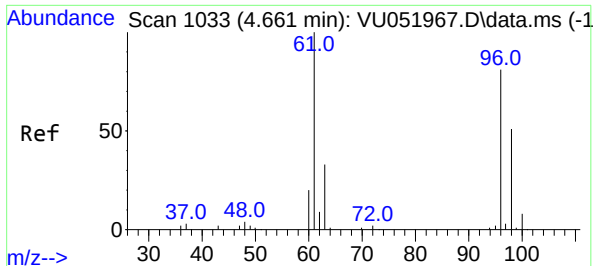
Tgt Ion: 96 Resp: 1313
Ion Ratio Lower Upper
96 100
61 154.3 98.3 182.7
98 50.9 45.5 84.5



#19
1,1-Dichloroethane
Concen: 6.127 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.006 min
Lab File: VU051978.D
Acq: 20 Nov 2022 16:56

Tgt Ion: 63 Resp: 34943
Ion Ratio Lower Upper
63 100
65 30.5 22.2 41.2
83 13.4 9.6 17.8

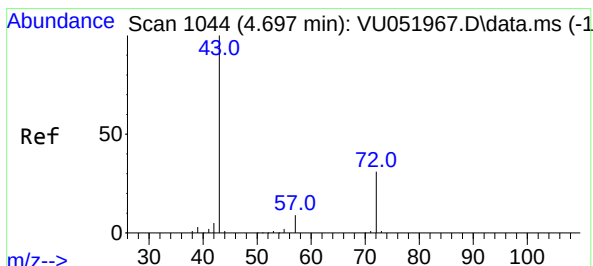
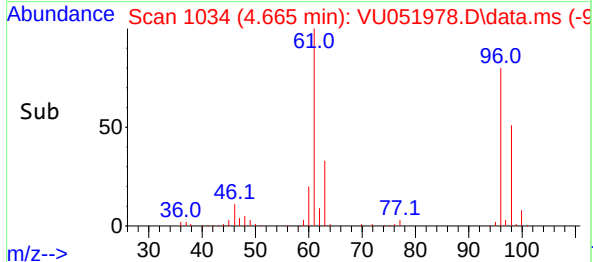
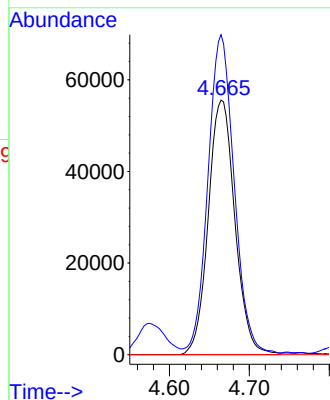
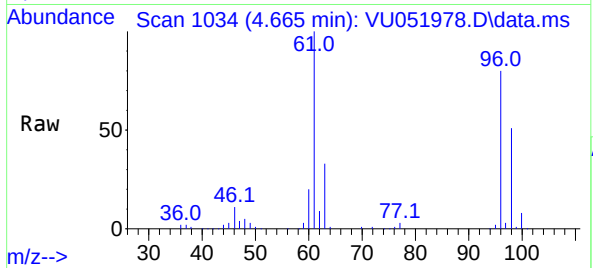




#20
cis-1,2-Dichloroethene
Concen: 39.288 ug/L
RT: 4.665 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU051978.D
Acq: 20 Nov 2022 16:56

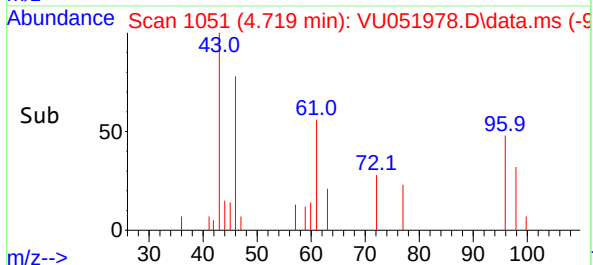
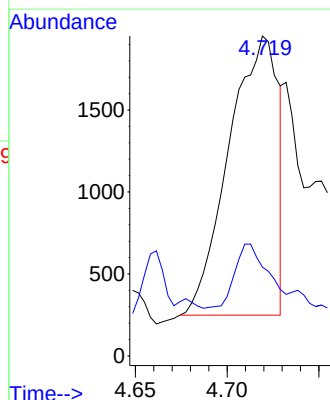
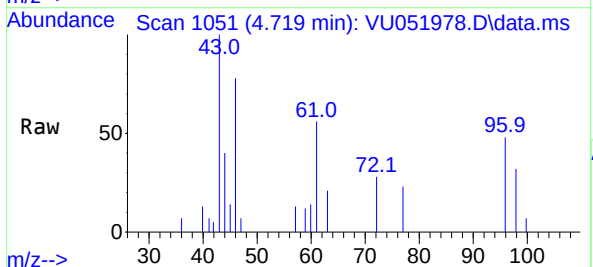
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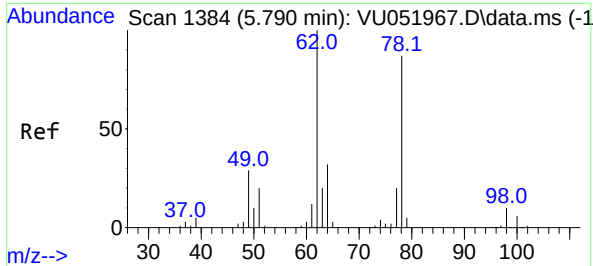
Tgt Ion: 96 Resp: 128486
Ion Ratio Lower Upper
96 100
61 125.7 86.0 159.8
68 0.0 0.0 0.0



#22
2-Butanone
Concen: 1.078 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.022 min
Lab File: VU051978.D
Acq: 20 Nov 2022 16:56

Tgt Ion: 43 Resp: 3172
Ion Ratio Lower Upper
43 100
72 14.3 15.7 47.1#

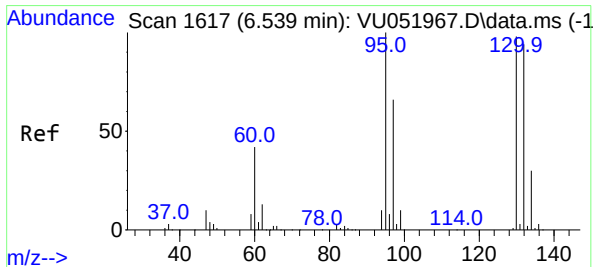
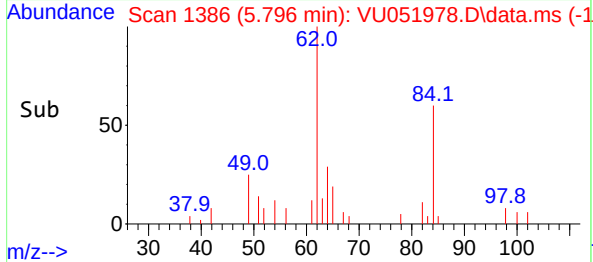
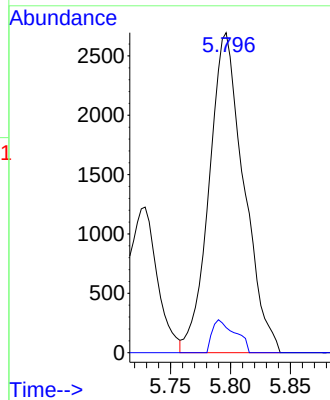
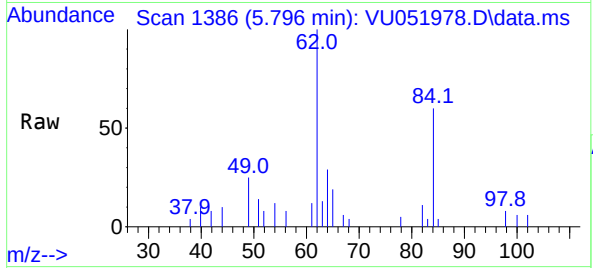




#27
1,2-Dichloroethane
Concen: 1.231 ug/L
RT: 5.796 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU051978.D
Acq: 20 Nov 2022 16:56

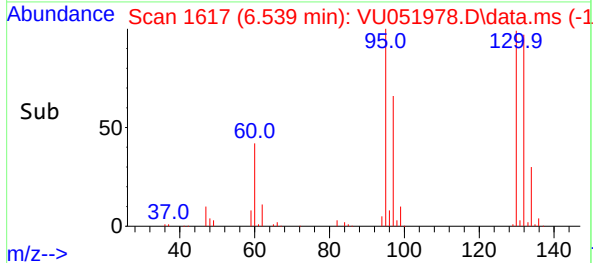
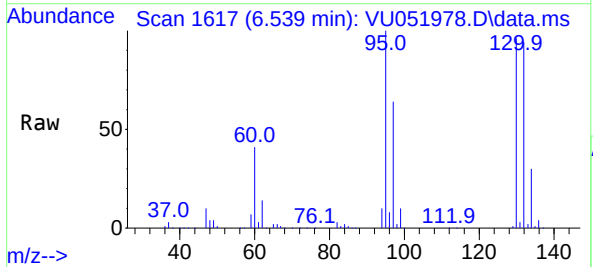
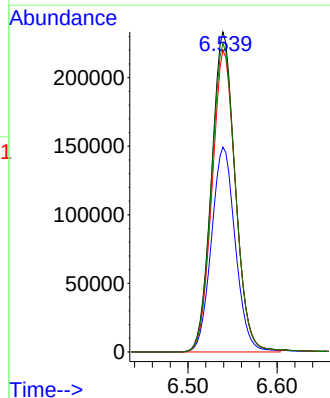
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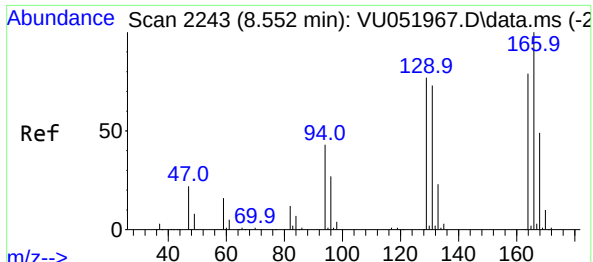
Tgt Ion: 62 Resp: 5412
Ion Ratio Lower Upper
62 100
98 7.9 8.1 12.1#



#34
Trichloroethene
Concen: 146.914 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051978.D
Acq: 20 Nov 2022 16:56

Tgt Ion: 95 Resp: 431758
Ion Ratio Lower Upper
95 100
97 64.0 45.8 85.0
132 94.3 65.3 121.3
130 96.4 69.3 128.7



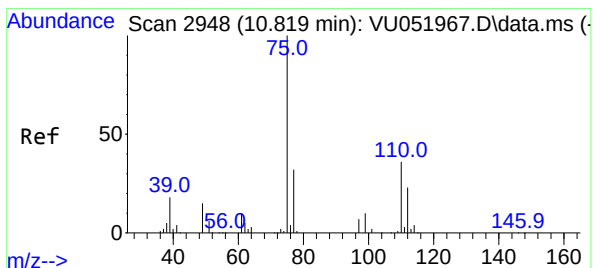
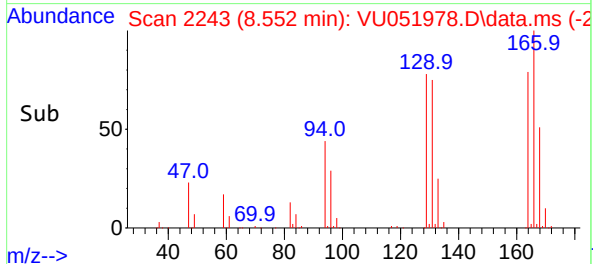
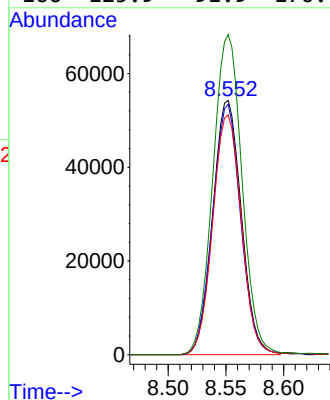
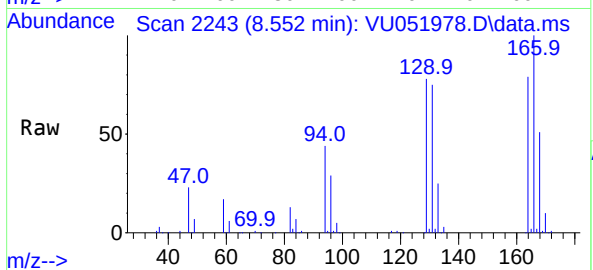


#46
Tetrachloroethene
Concen: 39.661 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051978.D
Acq: 20 Nov 2022 16:56

Instrument :
MSVOA_U
ClientSampleId :
C0KY1

Tgt Ion:164 Resp: 93086

Ion	Ratio	Lower	Upper
164	100		
129	98.5	68.5	127.1
131	94.3	66.6	123.8
166	125.9	91.9	170.7



#60
1,2,3-Trichloropropane
Concen: 4.810 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU051978.D
Acq: 20 Nov 2022 16:56

Tgt Ion: 75 Resp: 18083

Ion	Ratio	Lower	Upper
75	100		
77	33.9	26.2	39.4
110	2.5	29.0	43.4

