

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)

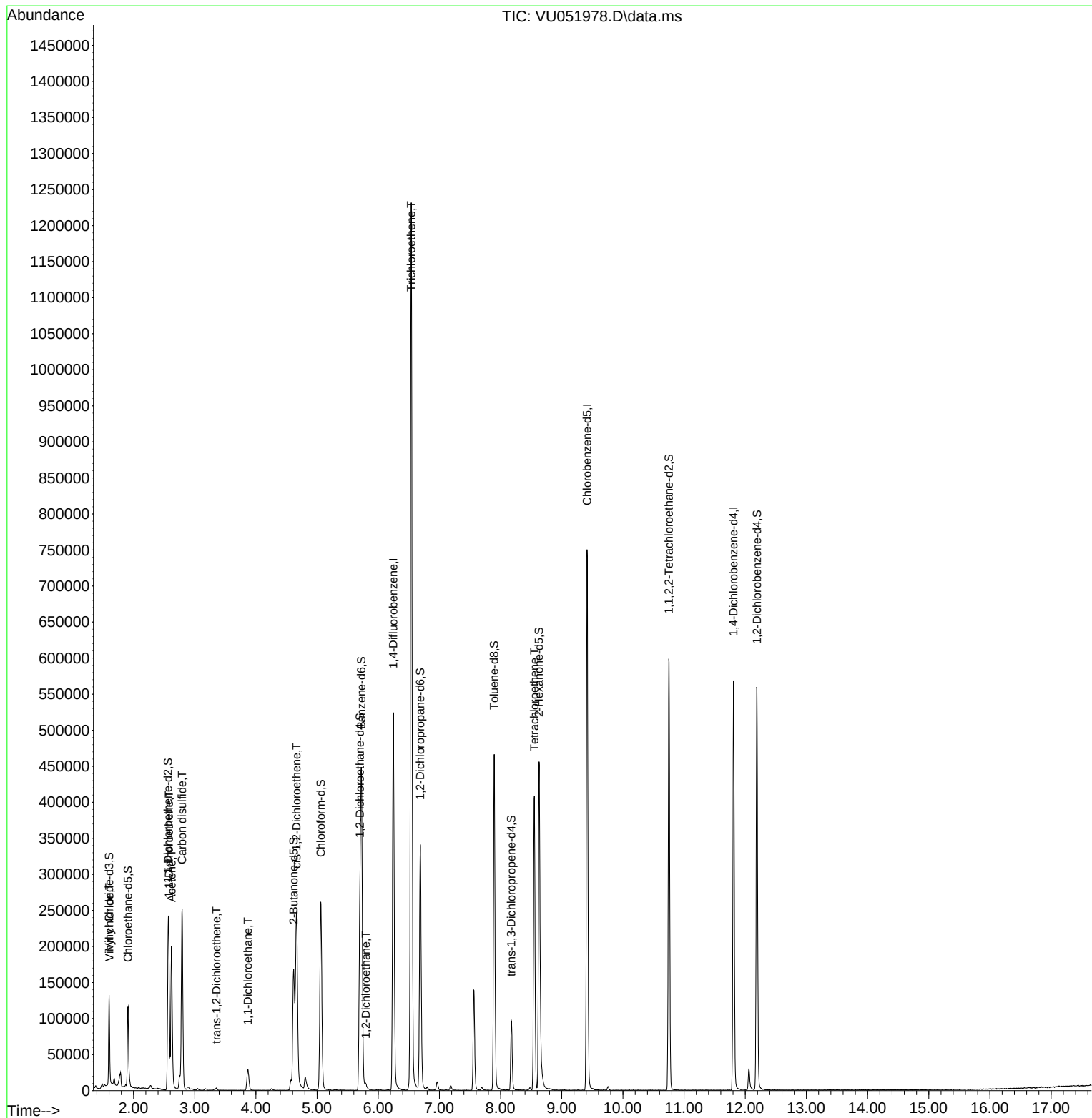
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	436328	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	431250	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	157169	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	82158	38.355	ug/L	0.00
Spiked Amount	50.000	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
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
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

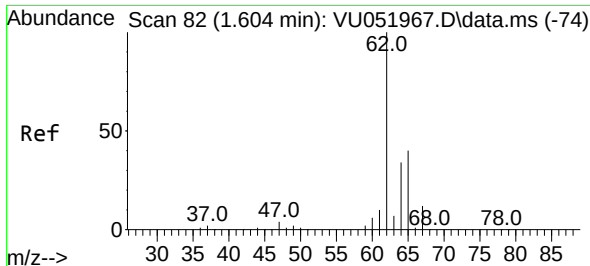
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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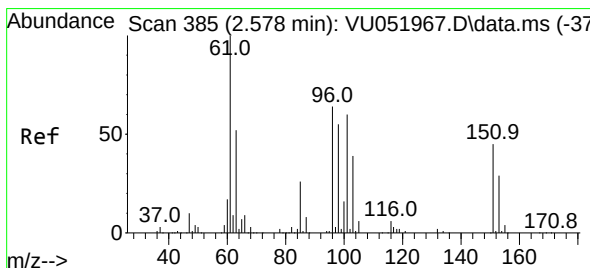
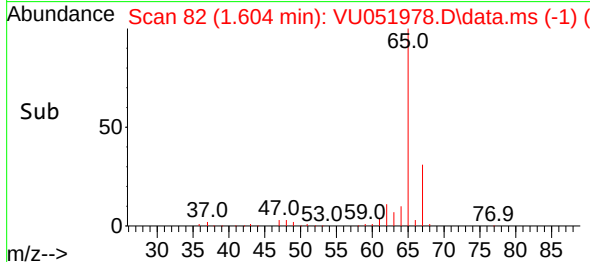
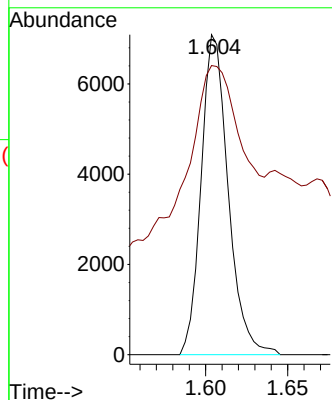
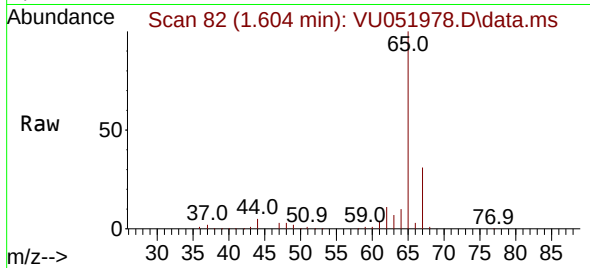




#5
 Vinyl chloride
 Concen: 2.203 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051978.D
 Acq: 20 Nov 2022 16:56

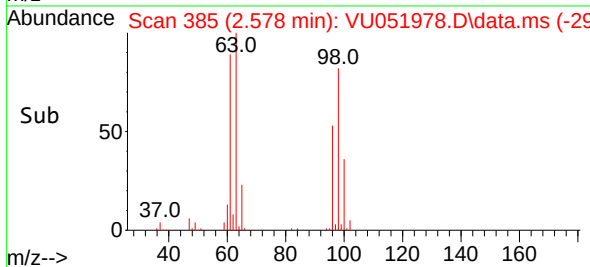
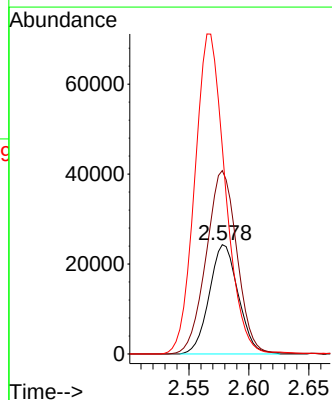
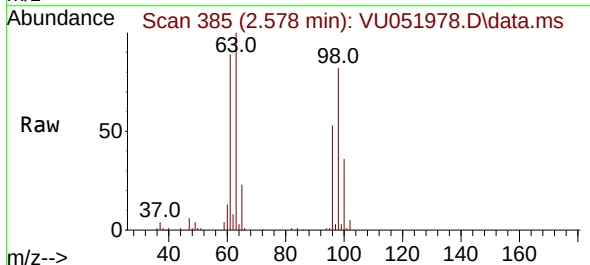
Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY1

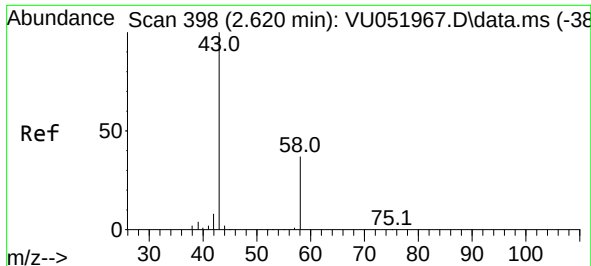
Tgt Ion: 62 Resp: 8130
 Ion Ratio Lower Upper
 62 100
 64 90.4 24.3 45.1#



#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 :

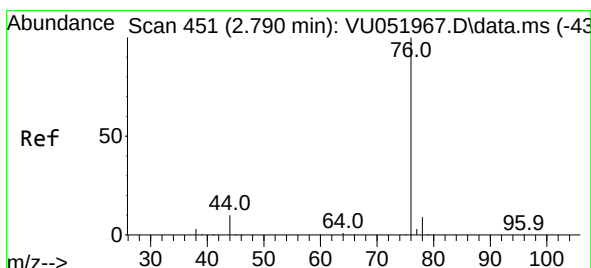
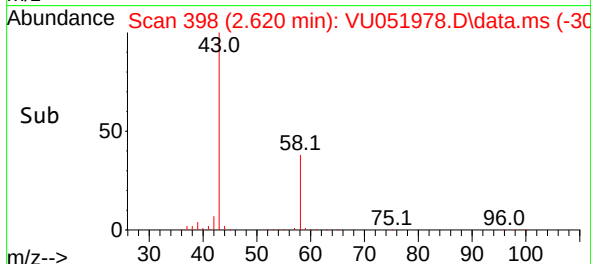
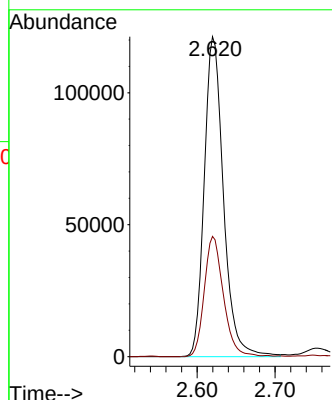
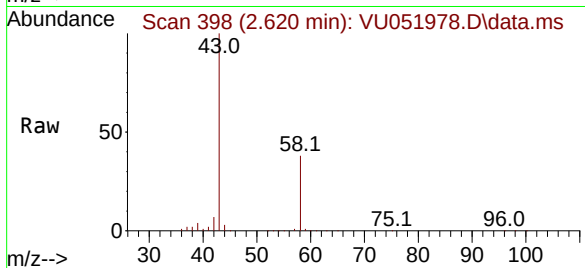
C0KY1

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

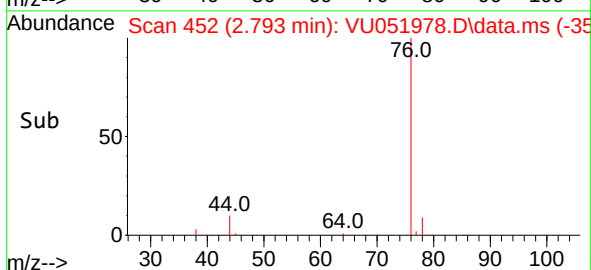
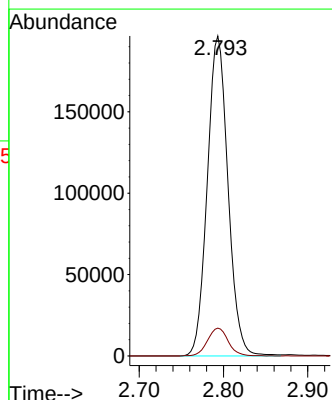
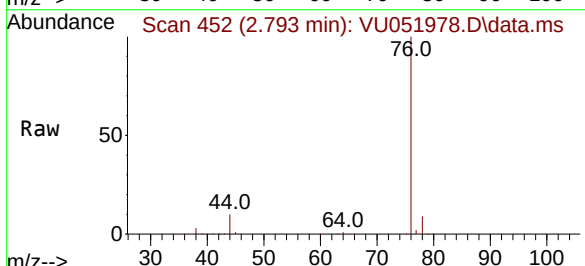
Acq: 20 Nov 2022 16:56

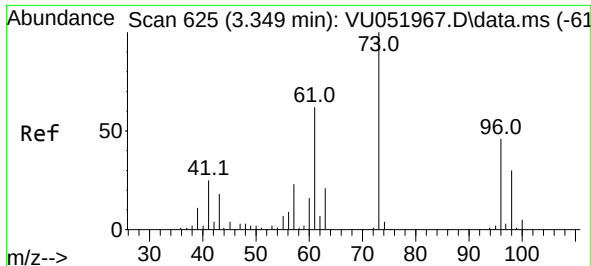
Tgt Ion: 76 Resp: 335911

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

ClientSampleId :

C0KY1

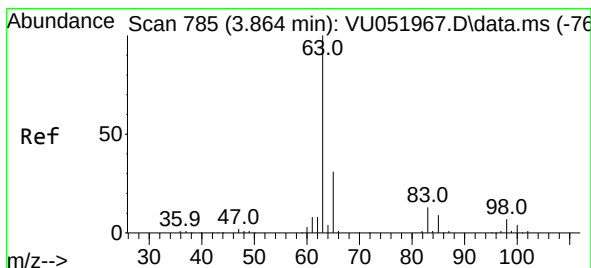
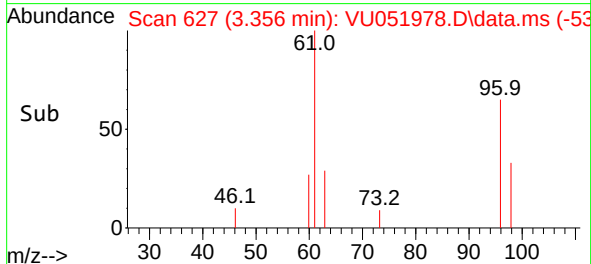
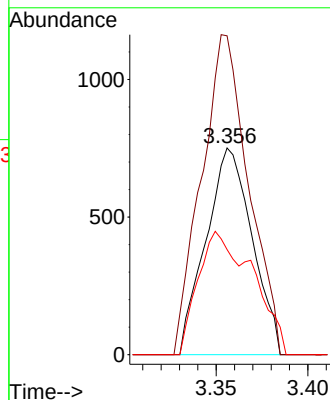
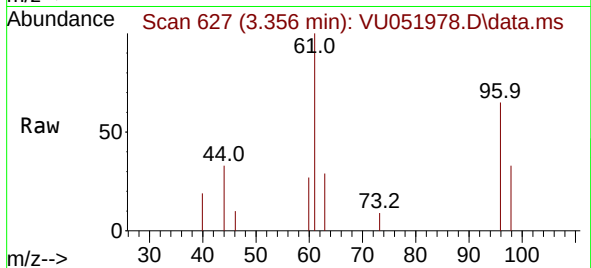
Tgt Ion: 96 Resp: 1313

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

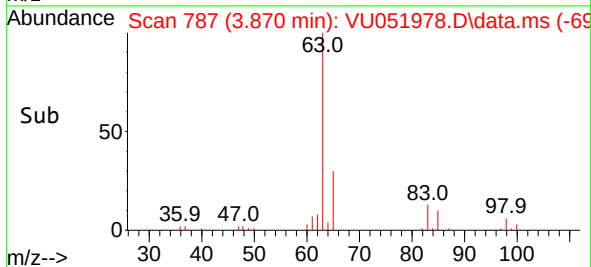
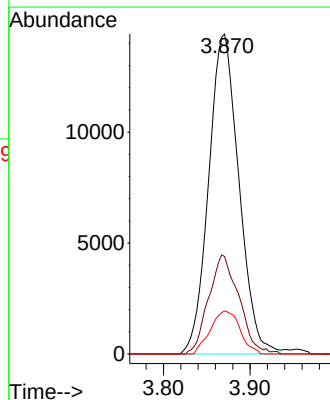
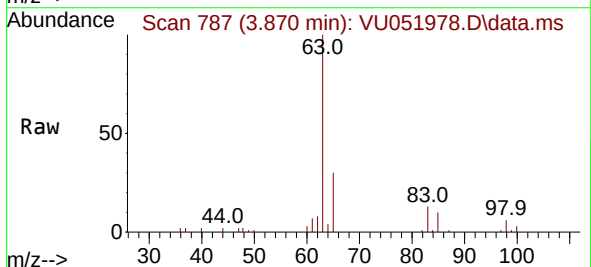
Tgt Ion: 63 Resp: 34943

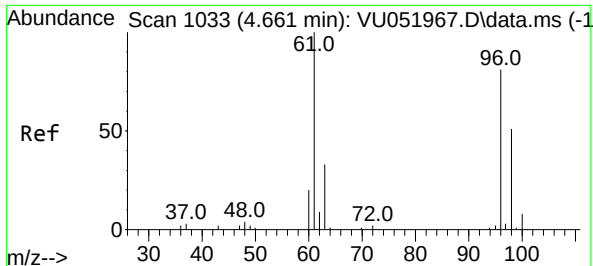
Ion Ratio Lower Upper

63 100

65 30.5 22.2 41.2

83 13.4 9.6 17.8

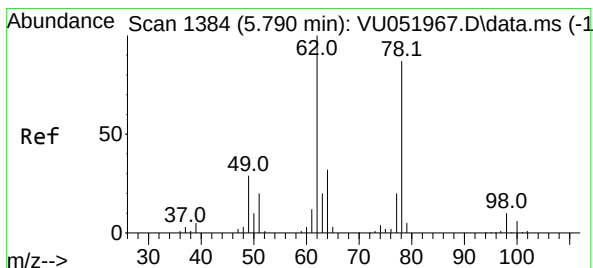
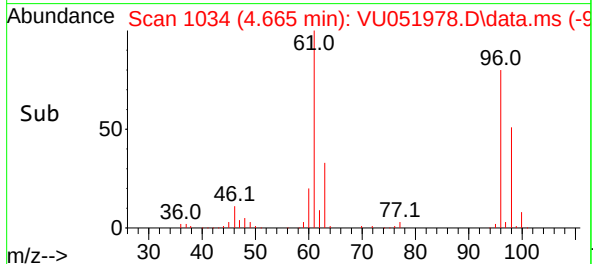
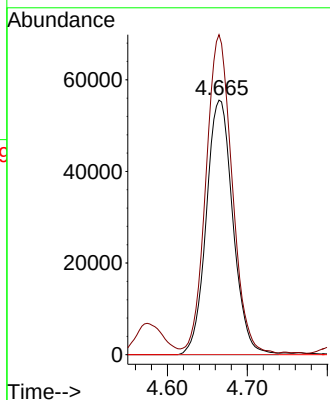
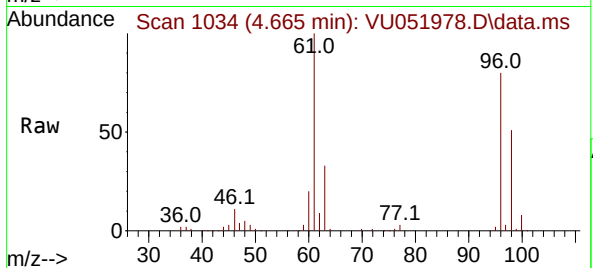




#20
 cis-1,2-Dichloroethene
 Concen: 39.288 ug/L
 RT: 4.665 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU051978.D
 Acq: 20 Nov 2022 16:56

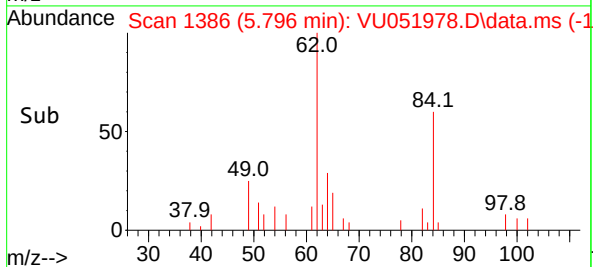
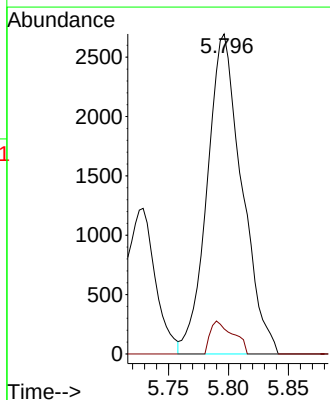
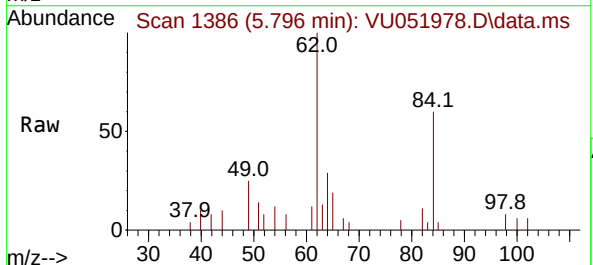
Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY1

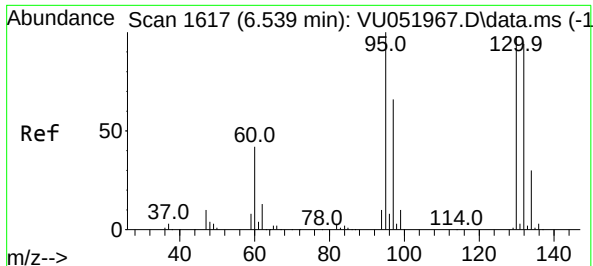
Tgt Ion: 96 Resp: 128486
 Ion Ratio Lower Upper
 96 100
 61 125.7 86.0 159.8
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 1.231 ug/L
 RT: 5.796 min Scan# 1386
 Delta R.T. 0.006 min
 Lab File: VU051978.D
 Acq: 20 Nov 2022 16:56

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

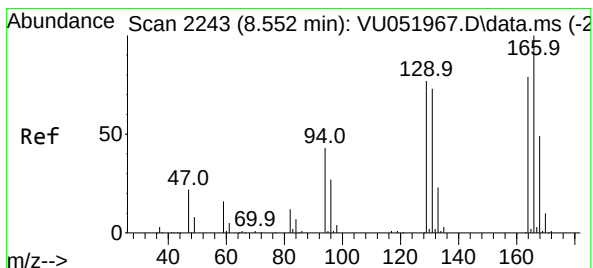
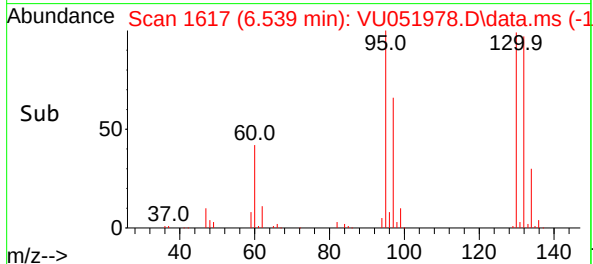
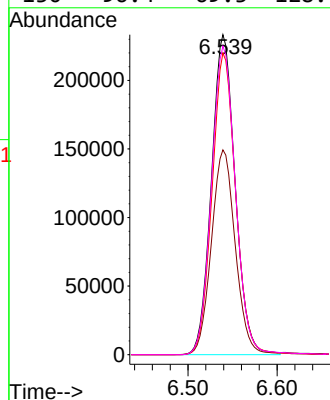
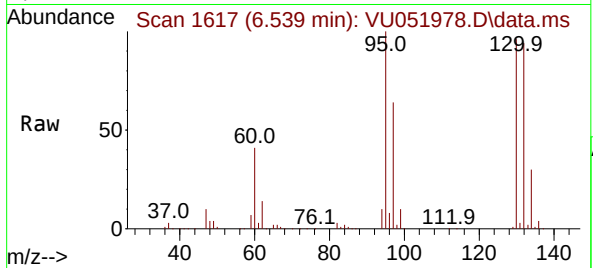




#34
Trichloroethene
Concen: 146.914 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
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Tgt Ion: 95 Resp: 431758
Ion Ratio Lower Upper
95 100
97 64.0 45.8 85.0
132 94.3 65.3 121.3
130 96.4 69.3 128.7



#46
Tetrachloroethene
Concen: 39.661 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051978.D
Acq: 20 Nov 2022 16:56

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

