

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051977.D
 Acq On : 20 Nov 2022 16:30
 Operator : JC/MD
 Sample : N5710-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COKY0

Quant Time: Nov 21 01:02:31 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)

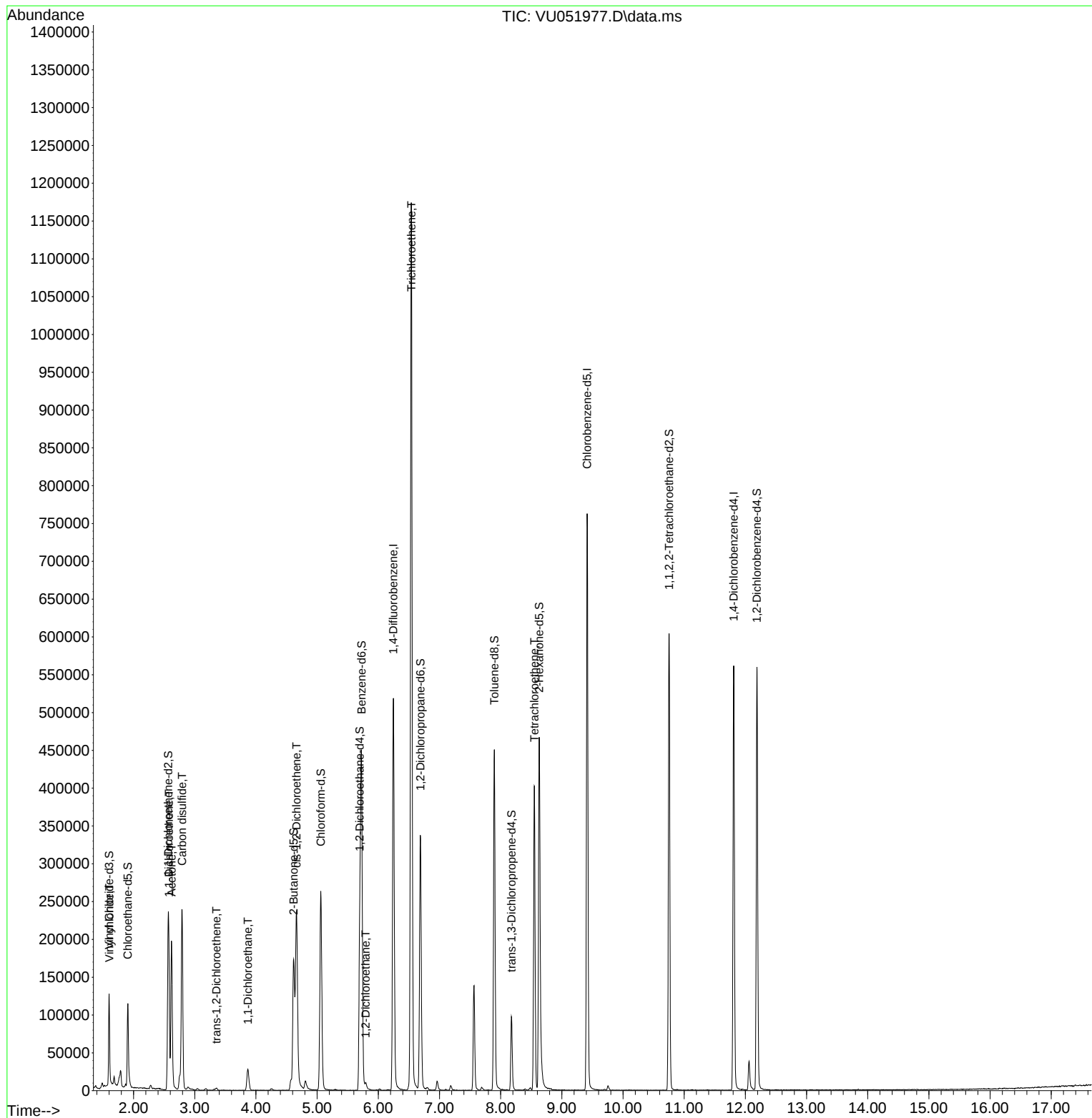
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	427189	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	438382	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	159561	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	80954	38.601	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.200%
7) Chloroethane-d5	1.906	69	94968	45.196	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.565	63	124938	33.221	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.440%
21) 2-Butanone-d5	4.617	46	257610	108.023	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.020%
24) Chloroform-d	5.060	84	248496	47.267	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.540%
26) 1,2-Dichloroethane-d4	5.697	65	156483	48.625	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.240%
32) Benzene-d6	5.726	84	425651	46.568	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.140%
36) 1,2-Dichloropropane-d6	6.687	67	171311	50.351	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.700%
41) Toluene-d8	7.896	98	312266	41.621	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.240%
43) trans-1,3-Dichloroprop...	8.176	79	55390	40.873	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.740%
47) 2-Hexanone-d5	8.629	63	157565	91.123	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.120%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	311672	47.067	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.140%
66) 1,2-Dichlorobenzene-d4	12.189	152	156576	55.761	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.520%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	7900	2.187	ug/L #	1
12) 1,1-Dichloroethene	2.578	96	39168	15.385	ug/L #	66
13) Acetone	2.620	43	207863	81.470	ug/L	99
14) Carbon disulfide	2.793	76	319967	45.366	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	1493	0.544	ug/L	71
19) 1,1-Dichloroethane	3.867	63	33608	6.019	ug/L	94
20) cis-1,2-Dichloroethene	4.665	96	125946	39.335	ug/L	97
27) 1,2-Dichloroethane	5.793	62	5283	1.227	ug/L	98
34) Trichloroethene	6.539	95	417010	139.587	ug/L	99
46) Tetrachloroethene	8.552	164	91086	38.178	ug/L	98

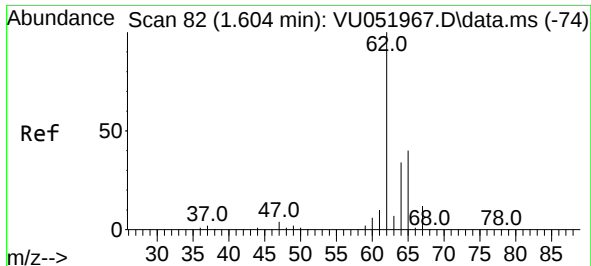
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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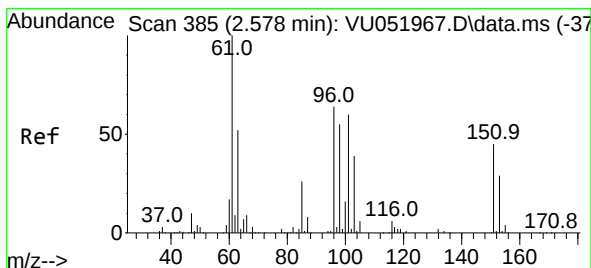
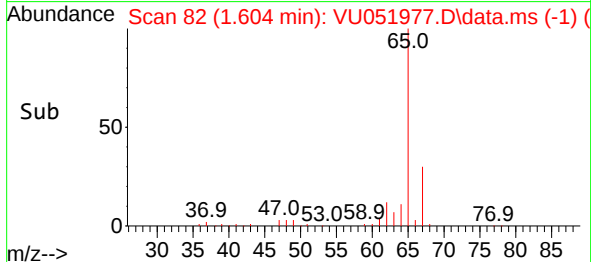
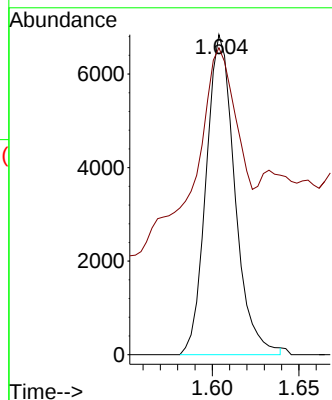
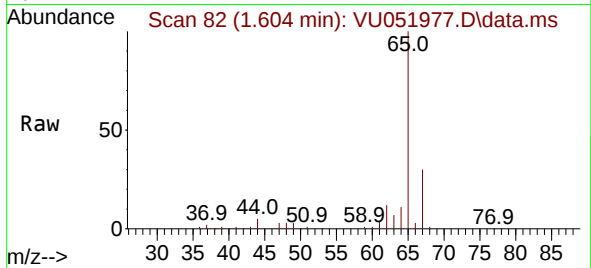




#5
 Vinyl chloride
 Concen: 2.187 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU051977.D
 Acq: 20 Nov 2022 16:30

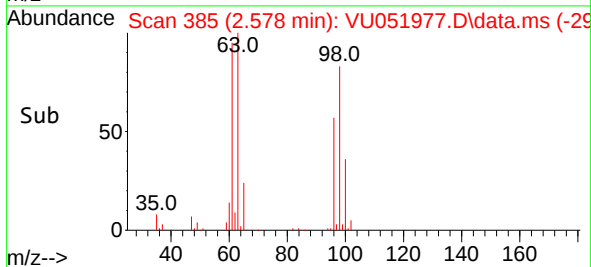
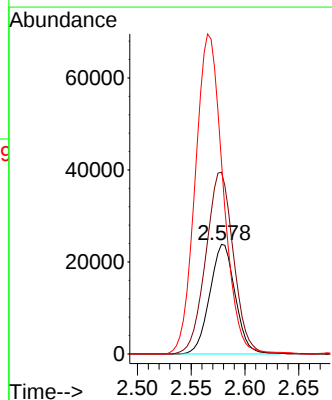
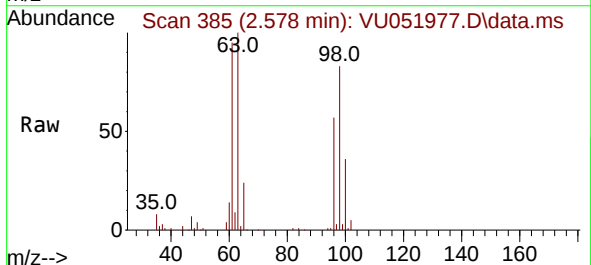
Instrument :
 MSVOA_U
 ClientSampleId :
 COKY0

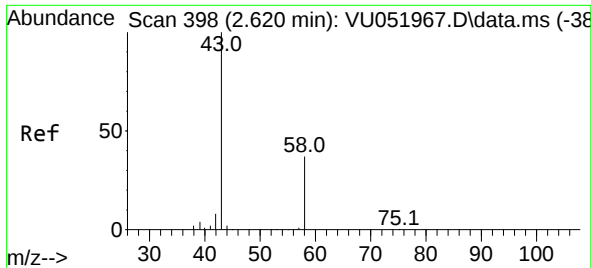
Tgt Ion: 62 Resp: 7900
 Ion Ratio Lower Upper
 62 100
 64 95.9 24.3 45.1#



#12
 1,1-Dichloroethene
 Concen: 15.385 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU051977.D
 Acq: 20 Nov 2022 16:30

Tgt Ion: 96 Resp: 39168
 Ion Ratio Lower Upper
 96 100
 61 165.9 110.7 205.5
 63 175.4 68.6 127.4#





#13

Acetone

Concen: 81.470 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU051977.D

Acq: 20 Nov 2022 16:30

Instrument :

MSVOA_U

ClientSampleId :

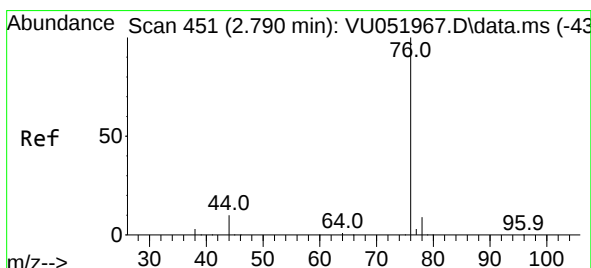
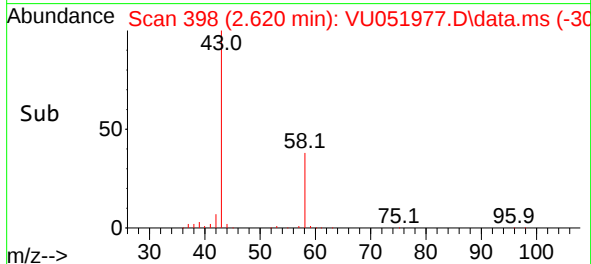
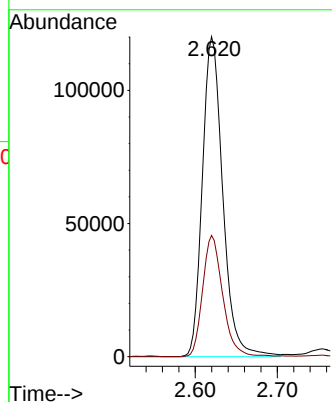
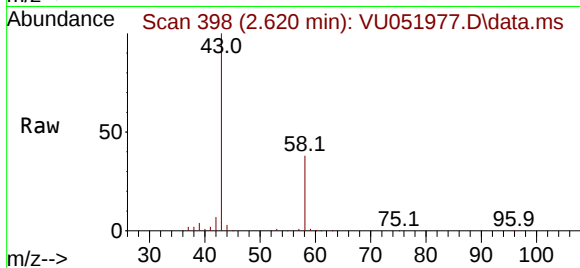
C0KY0

Tgt Ion: 43 Resp: 207863

Ion Ratio Lower Upper

43 100

58 36.9 0.0 75.4



#14

Carbon disulfide

Concen: 45.366 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051977.D

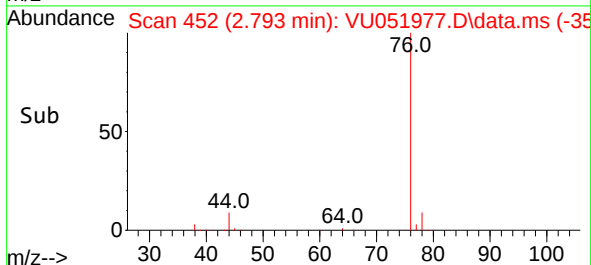
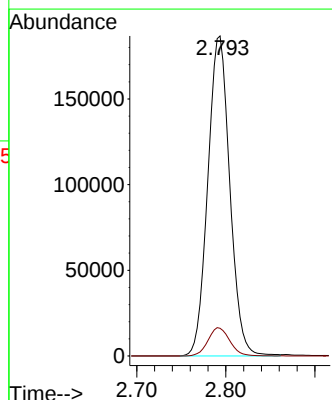
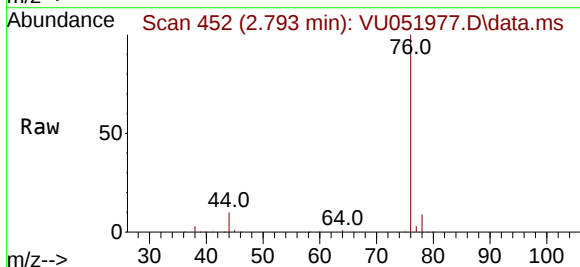
Acq: 20 Nov 2022 16:30

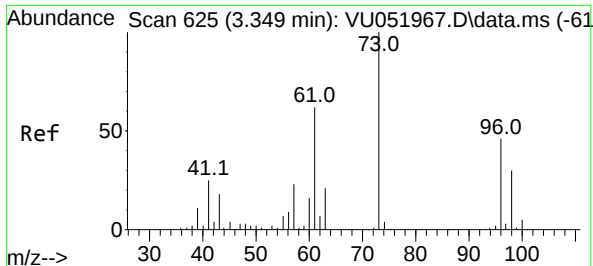
Tgt Ion: 76 Resp: 319967

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0





#17

trans-1,2-Dichloroethene

Concen: 0.544 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051977.D

Acq: 20 Nov 2022 16:30

Instrument :

MSVOA_U

ClientSampleId :

COKY0

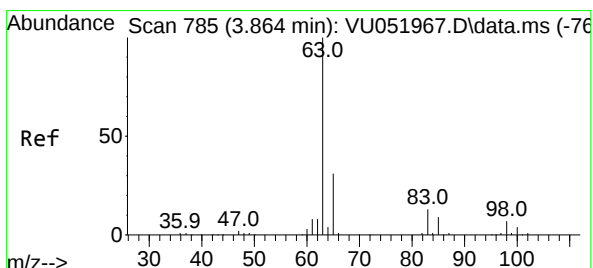
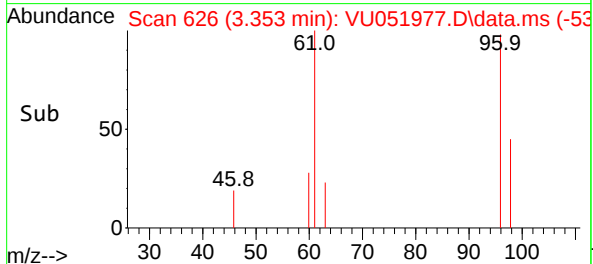
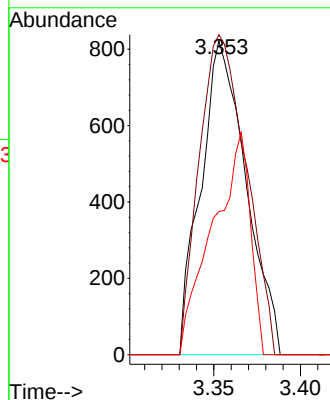
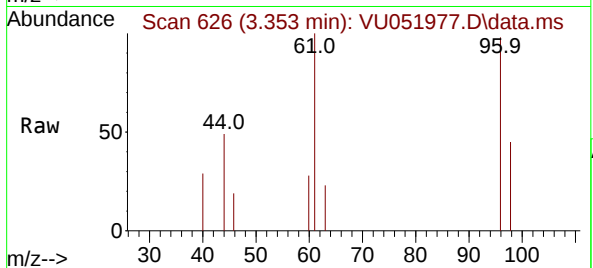
Tgt Ion: 96 Resp: 1493

Ion Ratio Lower Upper

96 100

61 102.1 98.3 182.7

98 45.7 45.5 84.5



#19

1,1-Dichloroethane

Concen: 6.019 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU051977.D

Acq: 20 Nov 2022 16:30

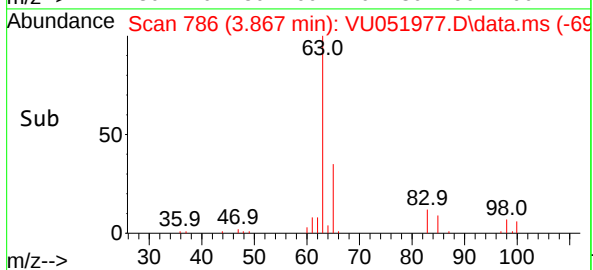
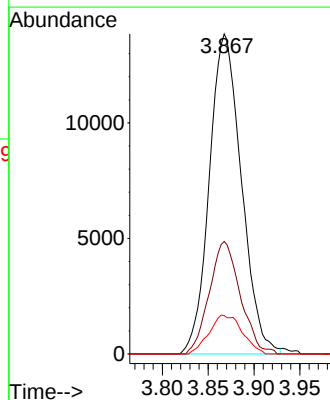
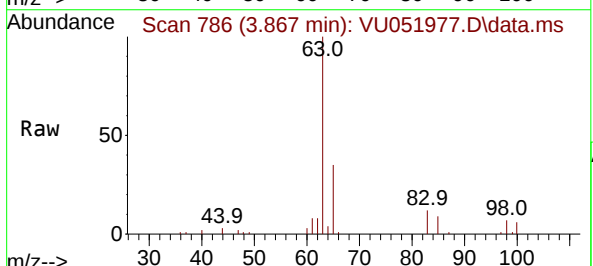
Tgt Ion: 63 Resp: 33608

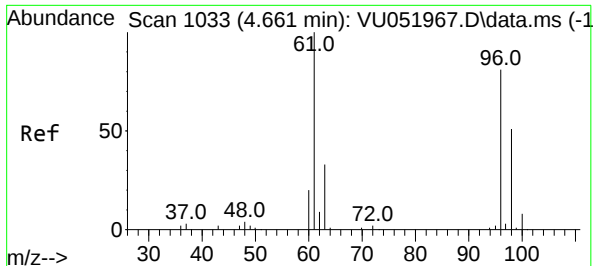
Ion Ratio Lower Upper

63 100

65 35.2 22.2 41.2

83 12.0 9.6 17.8

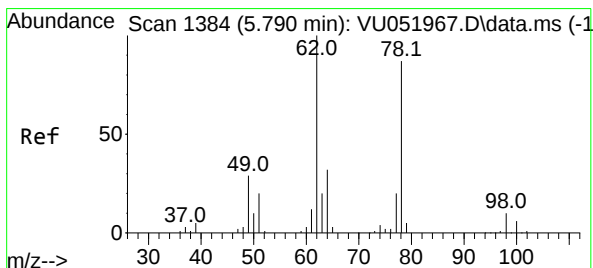
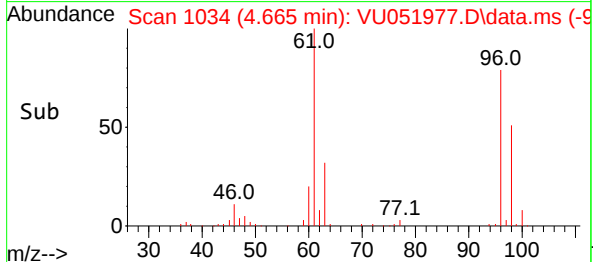
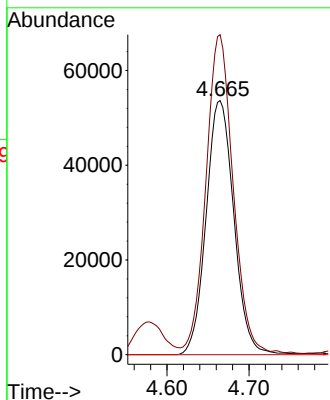
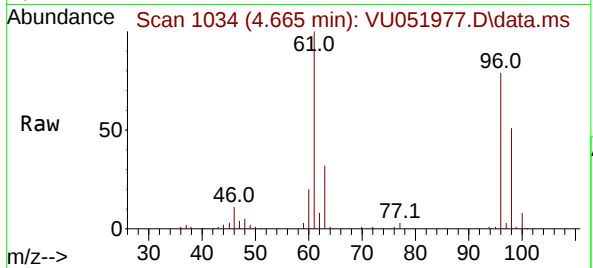




#20
 cis-1,2-Dichloroethene
 Concen: 39.335 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU051977.D
 Acq: 20 Nov 2022 16:30

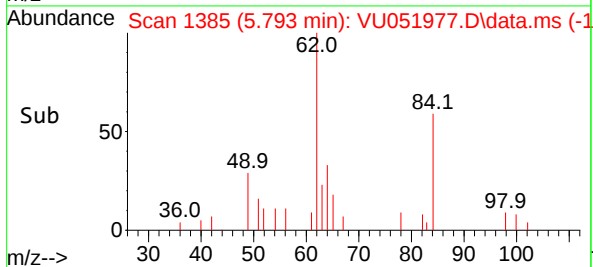
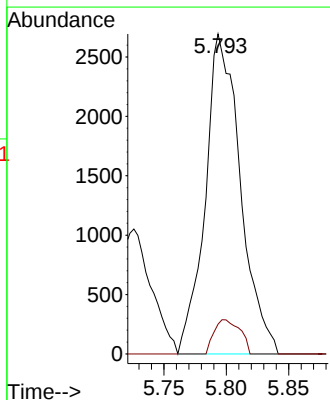
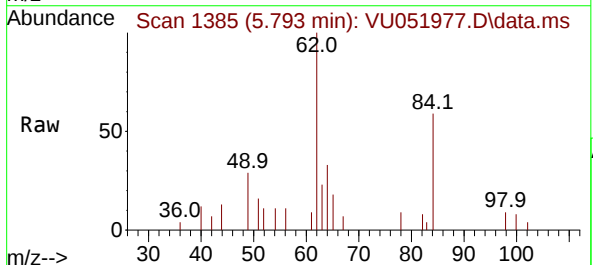
Instrument :
 MSVOA_U
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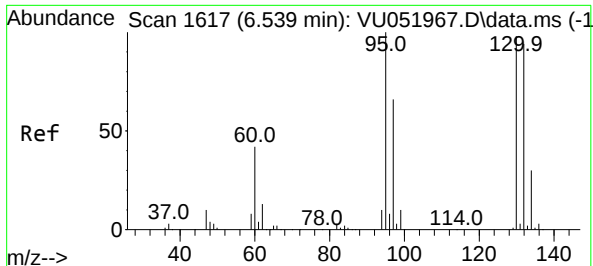
Tgt Ion: 96 Resp: 125946
 Ion Ratio Lower Upper
 96 100
 61 126.0 86.0 159.8
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 1.227 ug/L
 RT: 5.793 min Scan# 1385
 Delta R.T. 0.003 min
 Lab File: VU051977.D
 Acq: 20 Nov 2022 16:30

Tgt Ion: 62 Resp: 5283
 Ion Ratio Lower Upper
 62 100
 98 9.3 8.1 12.1

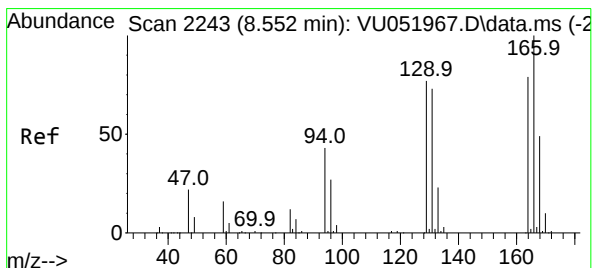
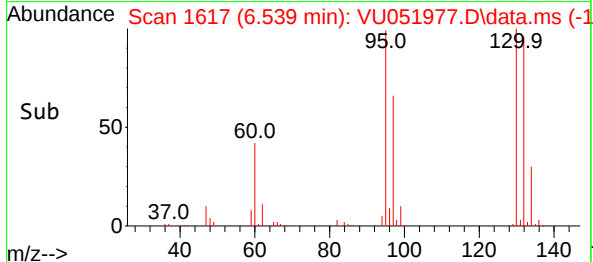
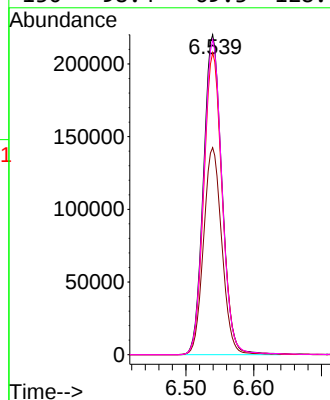
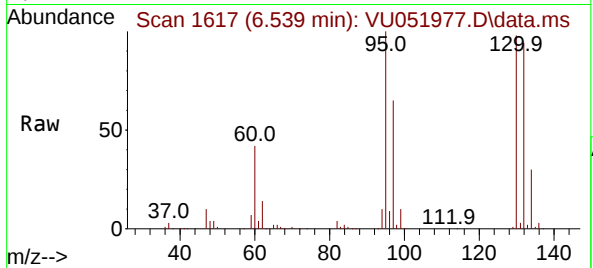




#34
Trichloroethene
Concen: 139.587 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051977.D
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ClientSampleId :
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Tgt Ion: 95 Resp: 417010
Ion Ratio Lower Upper
95 100
97 64.7 45.8 85.0
132 94.3 65.3 121.3
130 98.4 69.3 128.7



#46
Tetrachloroethene
Concen: 38.178 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051977.D
Acq: 20 Nov 2022 16:30

Tgt Ion: 164 Resp: 91086
Ion Ratio Lower Upper
164 100
129 95.0 68.5 127.1
131 92.2 66.6 123.8
166 130.5 91.9 170.7

