

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092022\
 Data File : VU050838.D
 Acq On : 20 Sep 2022 18:00
 Operator : JC/MD
 Sample : N4651-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ25

Quant Time: Sep 21 02:25:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:18:13 2022
 Response via : Initial Calibration

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

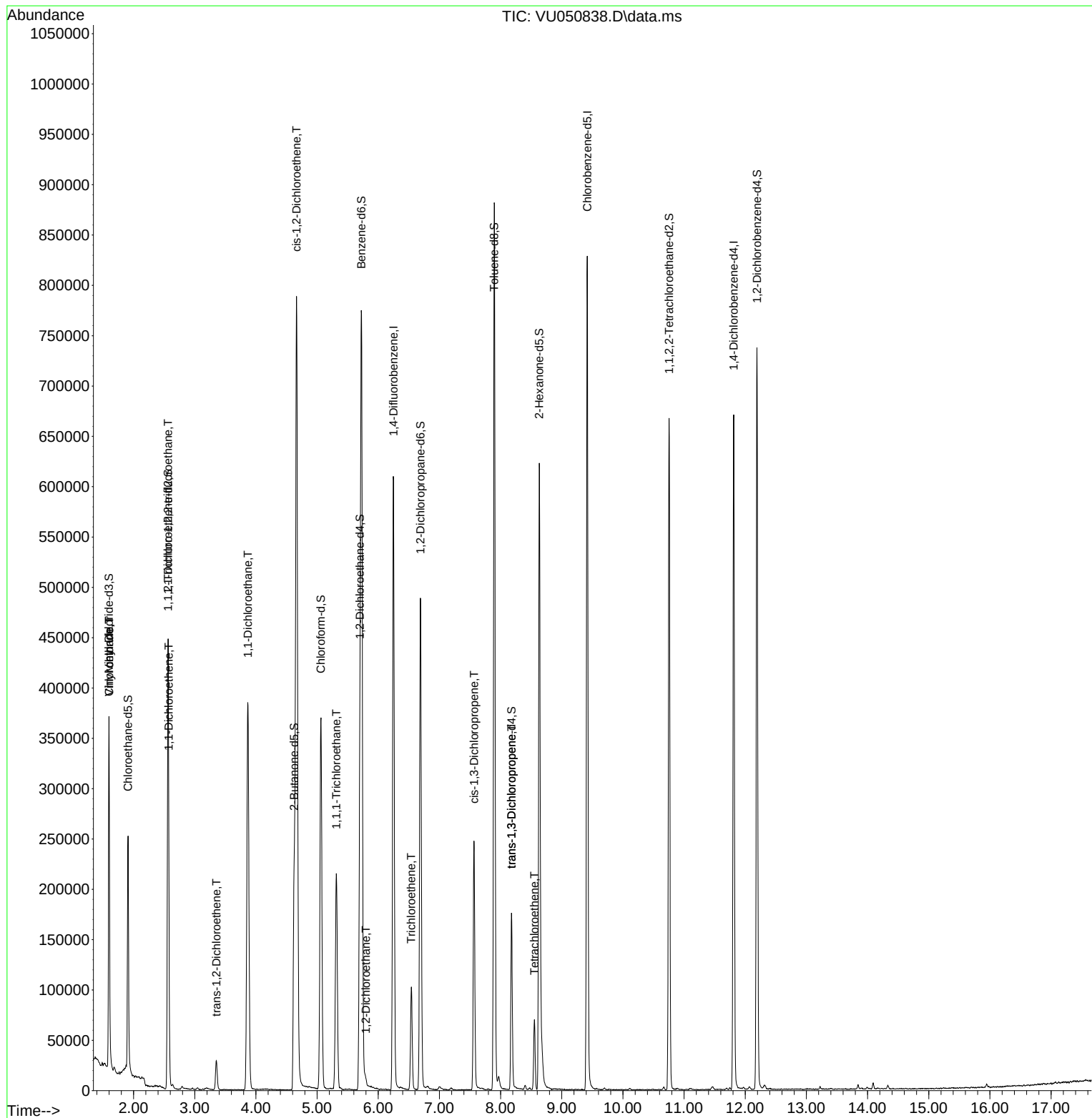
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	487173	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	461347	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	175841	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	215090	42.614	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.220%		
7) Chloroethane-d5	1.909	69	167553	46.610	ug/L	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.220%		
11) 1,1-Dichloroethene-d2	2.565	63	263271	33.521	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.040%		
21) 2-Butanone-d5	4.626	46	331067	101.597	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.600%		
24) Chloroform-d	5.063	84	349953	44.242	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.480%		
26) 1,2-Dichloroethane-d4	5.700	65	225778	46.316	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.640%		
32) Benzene-d6	5.726	84	718656	47.293	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.580%		
36) 1,2-Dichloropropane-d6	6.690	67	243739	47.519	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.040%		
41) Toluene-d8	7.896	98	583587	43.935	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.860%		
43) trans-1,3-Dichloroprop...	8.179	79	99971	44.802	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.600%		
47) 2-Hexanone-d5	8.632	63	207097	97.975	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.980%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	345306	44.156	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.320%		
66) 1,2-Dichlorobenzene-d4	12.192	152	187721	50.988	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.980%		
Target Compounds						Qvalue
5) Vinyl chloride	1.600	62	57912	10.087	ug/L	93
8) Chloroethane	1.600	64	20083	6.318	ug/L	85
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	2627	0.659	ug/L #	24
12) 1,1-Dichloroethene	2.575	96	5650	1.509	ug/L #	1
17) trans-1,2-Dichloroethene	3.353	96	12967	3.378	ug/L	93
19) 1,1-Dichloroethane	3.867	63	449627	57.967	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	401069	94.229	ug/L	99
27) 1,2-Dichloroethane	5.796	62	5088	0.866	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	156086	25.431	ug/L	99
34) Trichloroethene	6.539	95	35344	8.962	ug/L	98
39) cis-1,3-Dichloropropene	7.568	75	6108	0.982	ug/L #	75
44) trans-1,3-Dichloropropene	8.179	75	4560	0.771	ug/L	85
46) Tetrachloroethene	8.552	164	15598	5.504	ug/L	98

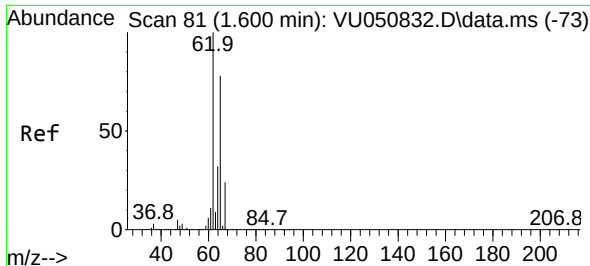
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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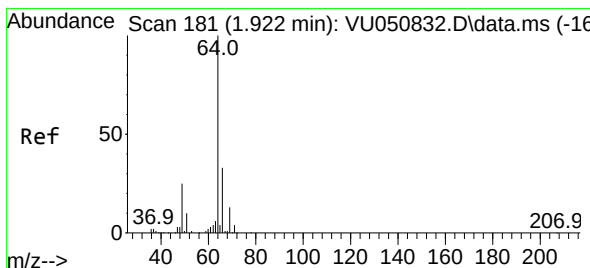
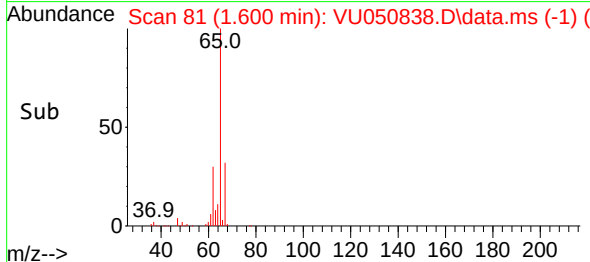
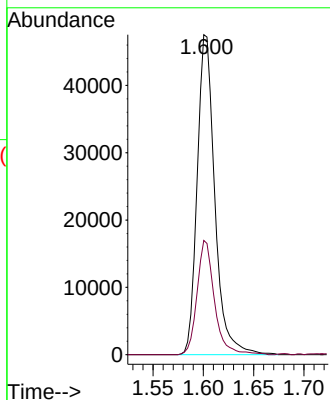
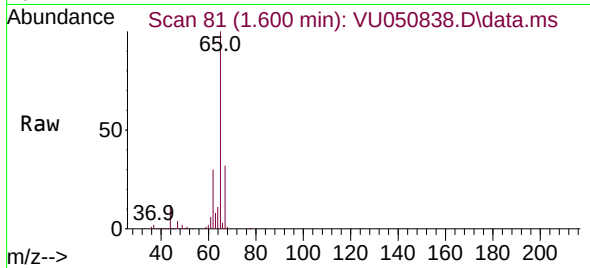




#5
 Vinyl chloride
 Concen: 10.087 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050838.D
 Acq: 20 Sep 2022 18:00

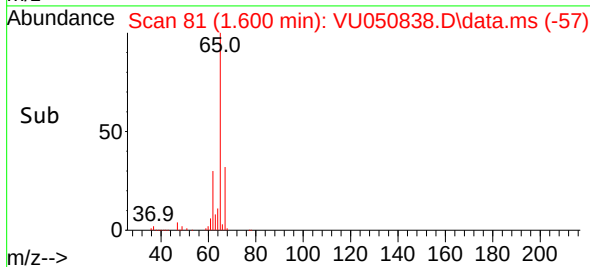
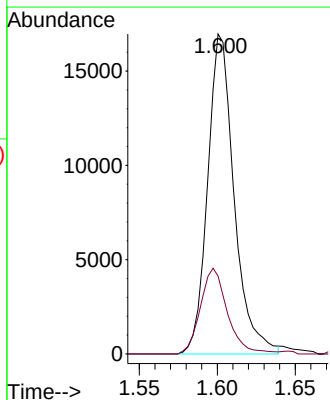
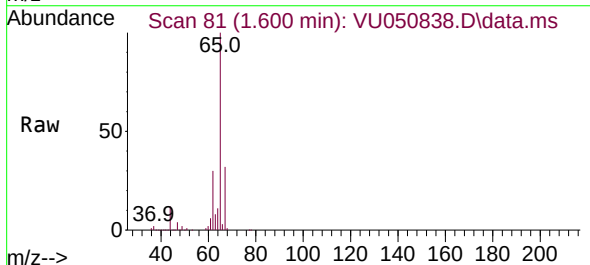
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ25

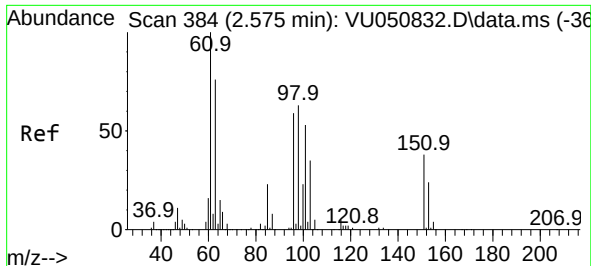
Tgt Ion: 62 Resp: 57912
 Ion Ratio Lower Upper
 62 100
 64 35.7 22.2 41.2



#8
 Chloroethane
 Concen: 6.318 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.322 min
 Lab File: VU050838.D
 Acq: 20 Sep 2022 18:00

Tgt Ion: 64 Resp: 20083
 Ion Ratio Lower Upper
 64 100
 66 24.4 22.9 42.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.659 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.013 min

Lab File: VU050838.D

Acq: 20 Sep 2022 18:00

Instrument :

MSVOA_U

ClientSampleId :

EXZ25

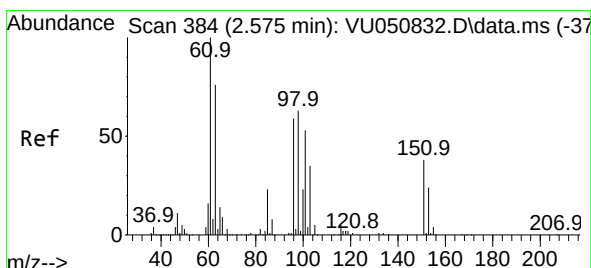
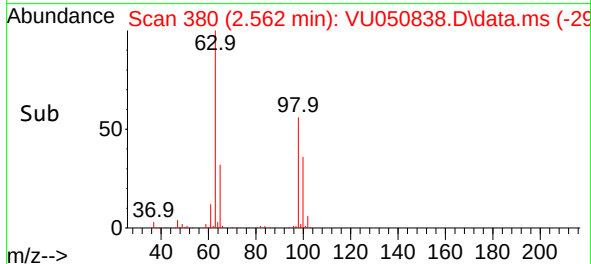
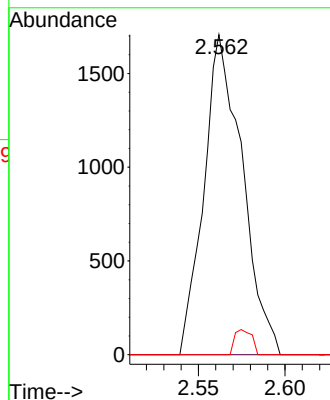
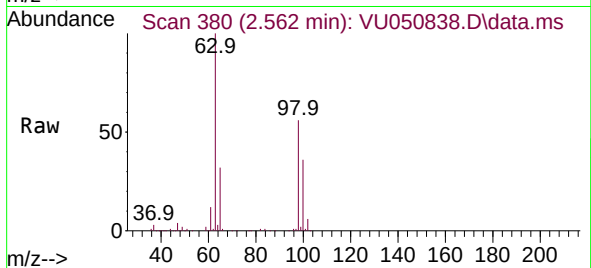
Tgt Ion:101 Resp: 2627

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 3.5 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 1.509 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU050838.D

Acq: 20 Sep 2022 18:00

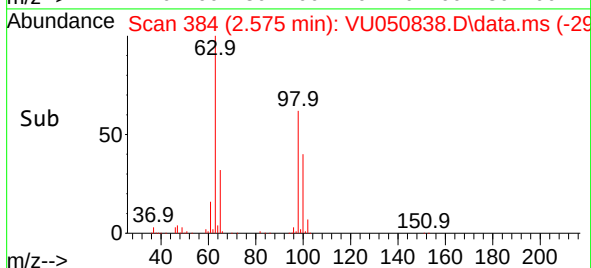
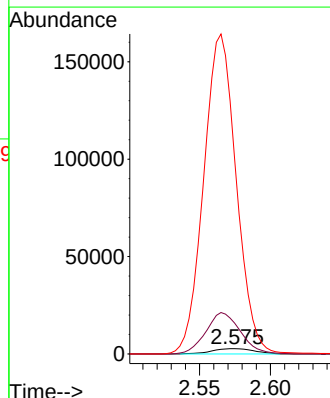
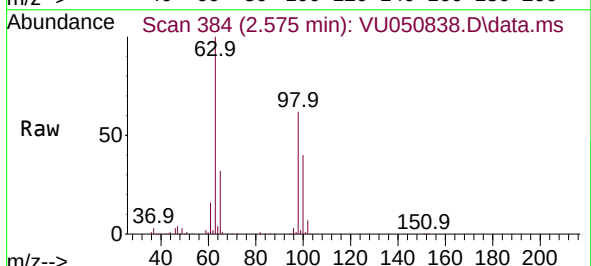
Tgt Ion: 96 Resp: 5650

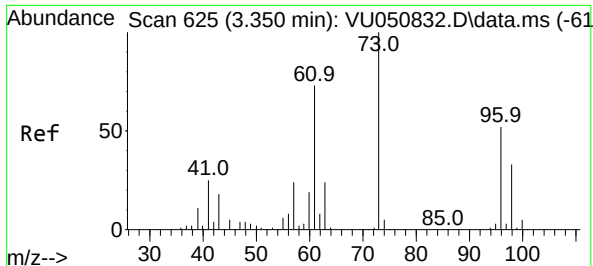
Ion Ratio Lower Upper

96 100

61 580.0 118.6 220.2#

63 3672.3 90.4 168.0#





#17

trans-1,2-Dichloroethene

Concen: 3.378 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050838.D

Acq: 20 Sep 2022 18:00

Instrument :

MSVOA_U

ClientSampleId :

EXZ25

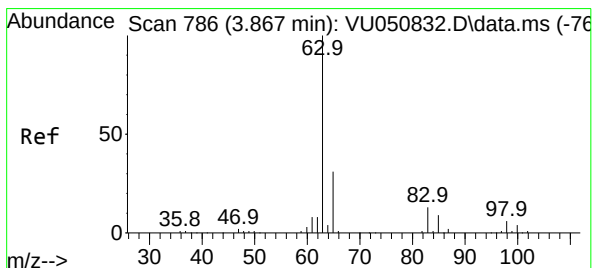
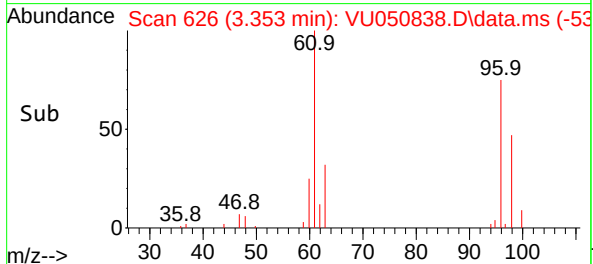
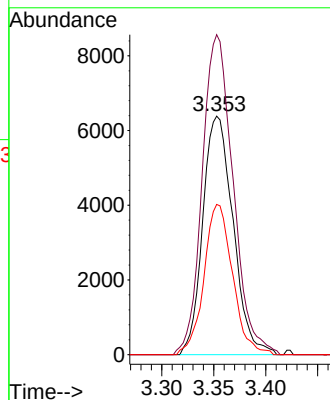
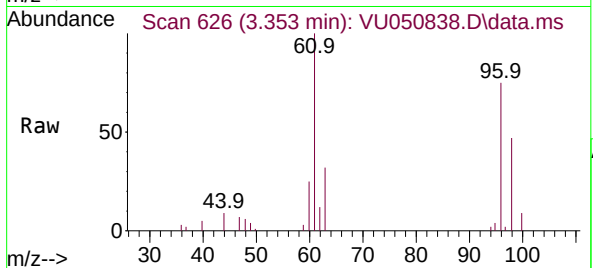
Tgt Ion: 96 Resp: 12967

Ion Ratio Lower Upper

96 100

61 129.9 98.0 182.0

98 61.0 44.3 82.3



#19

1,1-Dichloroethane

Concen: 57.967 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050838.D

Acq: 20 Sep 2022 18:00

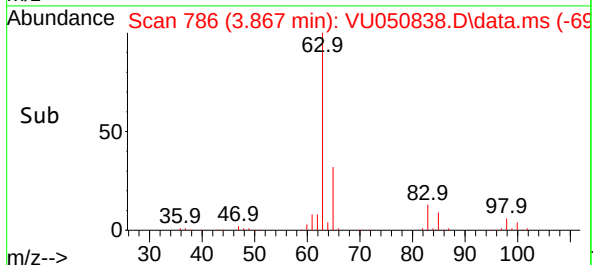
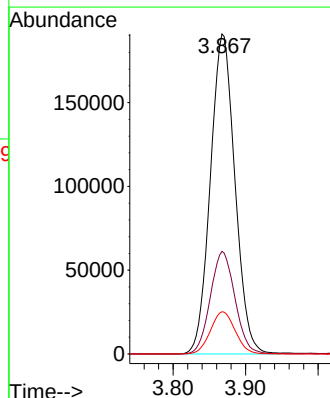
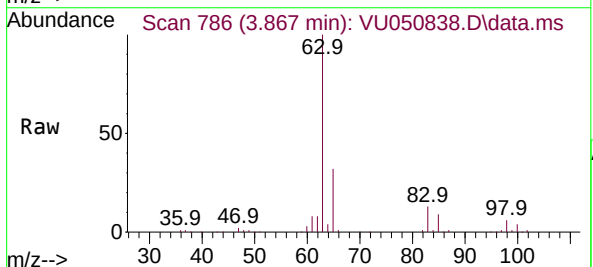
Tgt Ion: 63 Resp: 449627

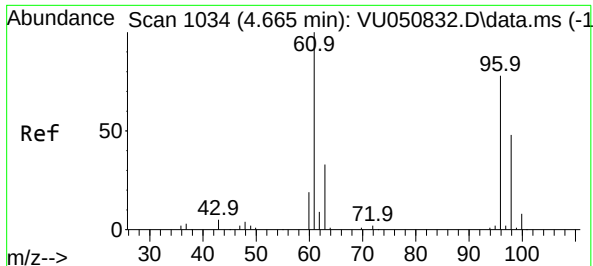
Ion Ratio Lower Upper

63 100

65 32.1 21.5 39.9

83 13.2 9.3 17.3





#20

cis-1,2-Dichloroethene

Concen: 94.229 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050838.D

Acq: 20 Sep 2022 18:00

Instrument :

MSVOA_U

ClientSampleId :

EXZ25

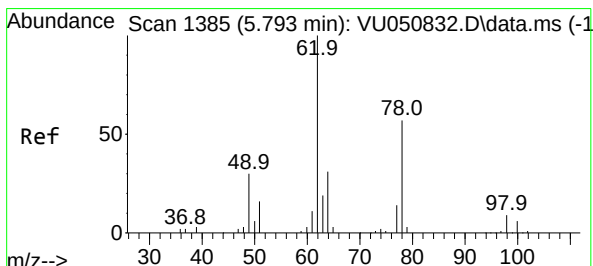
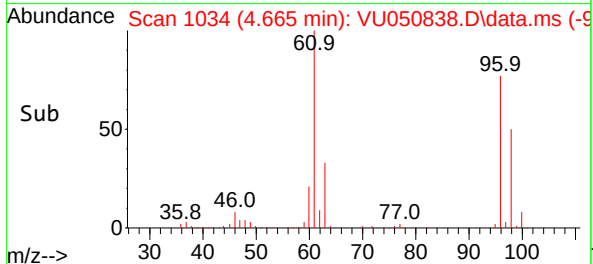
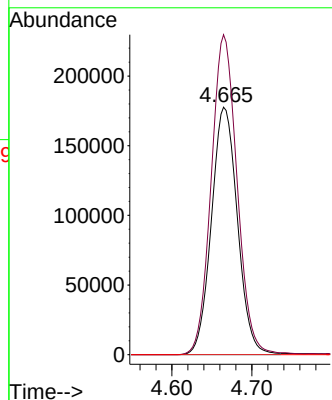
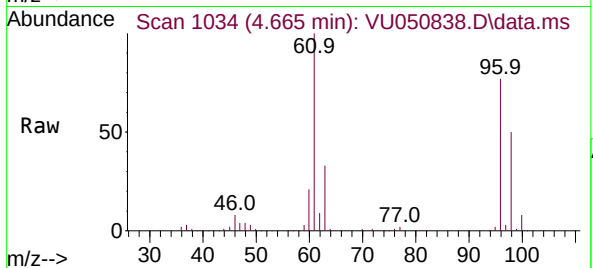
Tgt Ion: 96 Resp: 401069

Ion Ratio Lower Upper

96 100

61 129.3 90.1 167.3

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.866 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU050838.D

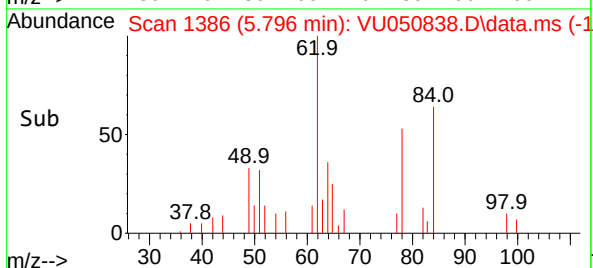
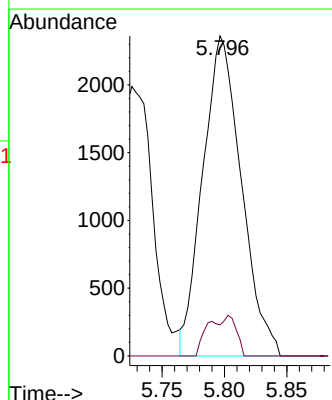
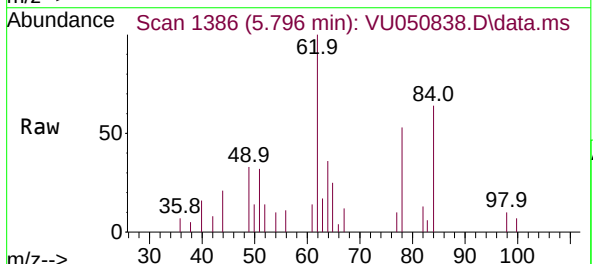
Acq: 20 Sep 2022 18:00

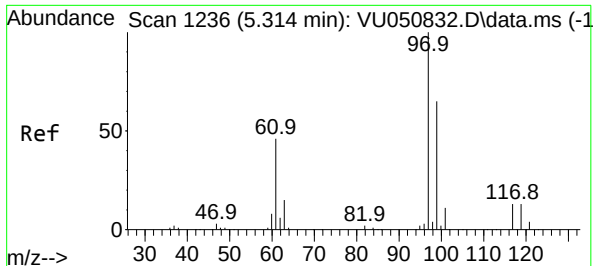
Tgt Ion: 62 Resp: 5088

Ion Ratio Lower Upper

62 100

98 9.7 7.4 11.0





#30

1,1,1-Trichloroethane

Concen: 25.431 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050838.D

Acq: 20 Sep 2022 18:00

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EXZ25

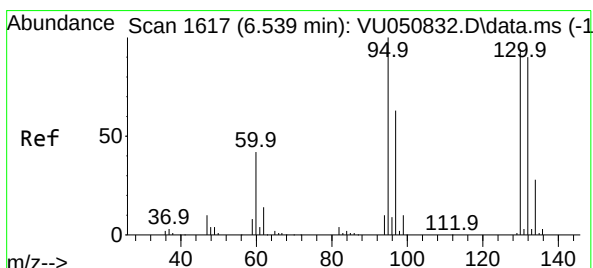
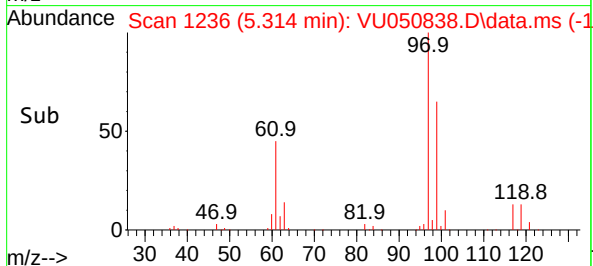
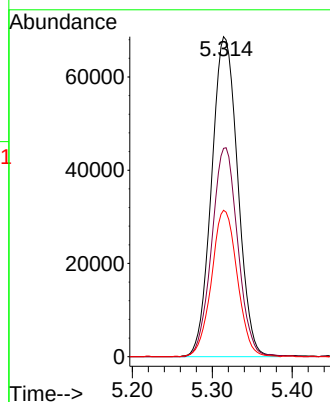
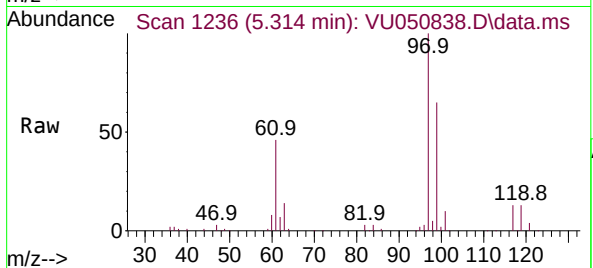
Tgt Ion: 97 Resp: 156086

Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.2

61 45.0 37.1 55.7



#34

Trichloroethene

Concen: 8.962 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU050838.D

Acq: 20 Sep 2022 18:00

Tgt Ion: 95 Resp: 35344

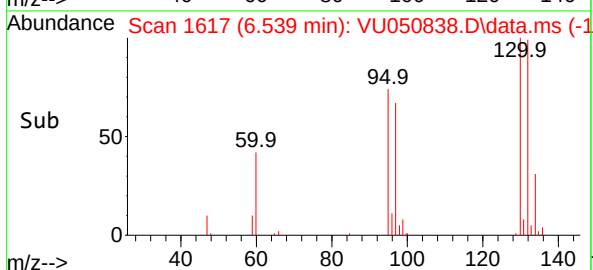
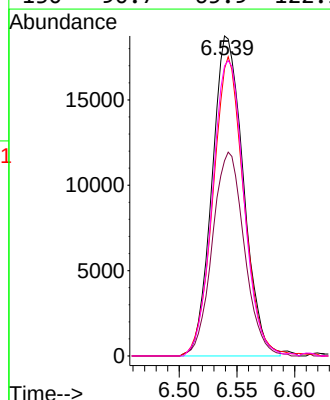
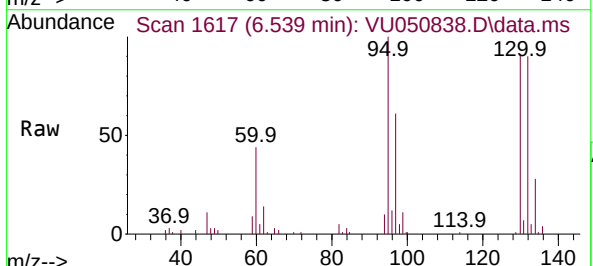
Ion Ratio Lower Upper

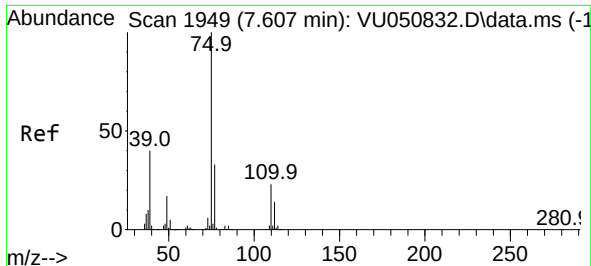
95 100

97 61.0 43.9 81.5

132 89.8 63.1 117.1

130 90.7 65.9 122.3





#39

cis-1,3-Dichloropropene

Concen: 0.982 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU050838.D

Acq: 20 Sep 2022 18:00

Instrument :

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ClientSampleId :

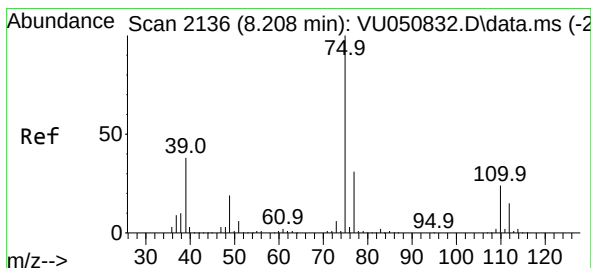
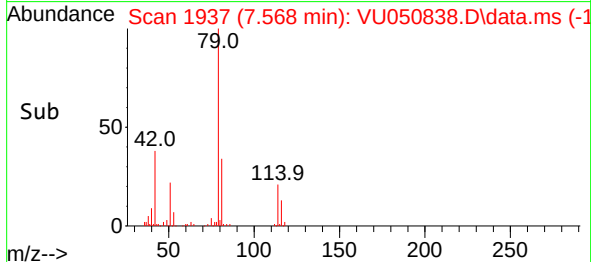
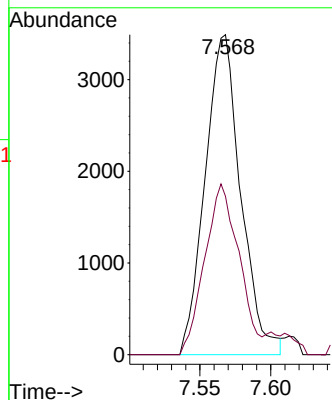
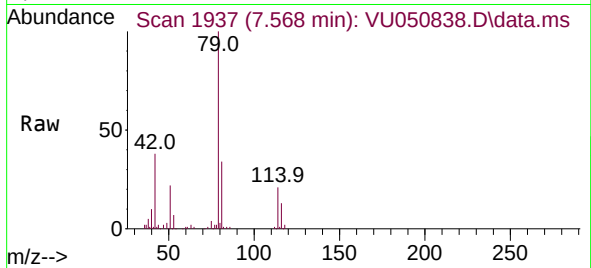
EXZ25

Tgt Ion: 75 Resp: 6108

Ion Ratio Lower Upper

75 100

77 46.9 22.8 42.4#



#44

trans-1,3-Dichloropropene

Concen: 0.771 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU050838.D

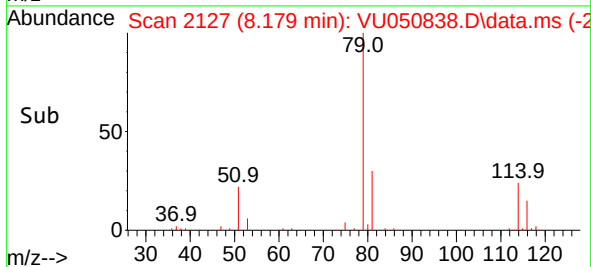
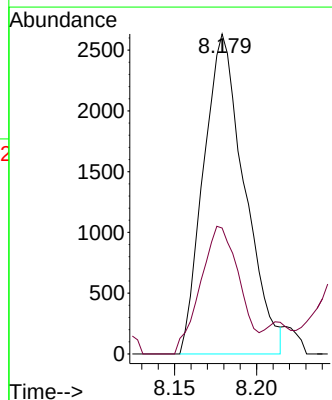
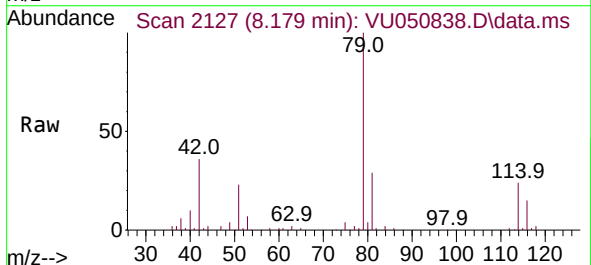
Acq: 20 Sep 2022 18:00

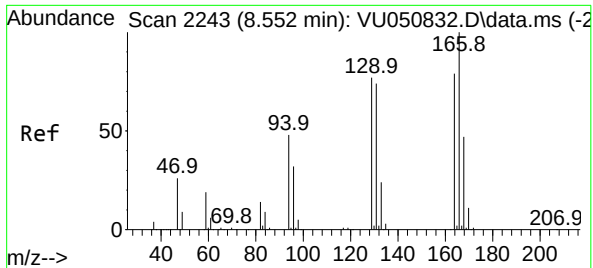
Tgt Ion: 75 Resp: 4560

Ion Ratio Lower Upper

75 100

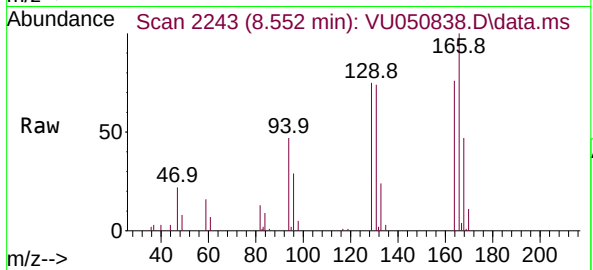
77 39.3 21.9 40.7





#46
 Tetrachloroethene
 Concen: 5.504 ug/L
 RT: 8.552 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU050838.D
 Acq: 20 Sep 2022 18:00

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ25



Tgt Ion:	164	Resp:	15598
Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.5	127.3
131	96.5	66.1	122.7
166	130.9	88.8	164.8

