

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092022\
 Data File : VU050850.D
 Acq On : 20 Sep 2022 22:43
 Operator : JC/MD
 Sample : N4651-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ40

Quant Time: Sep 21 02:28:26 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)

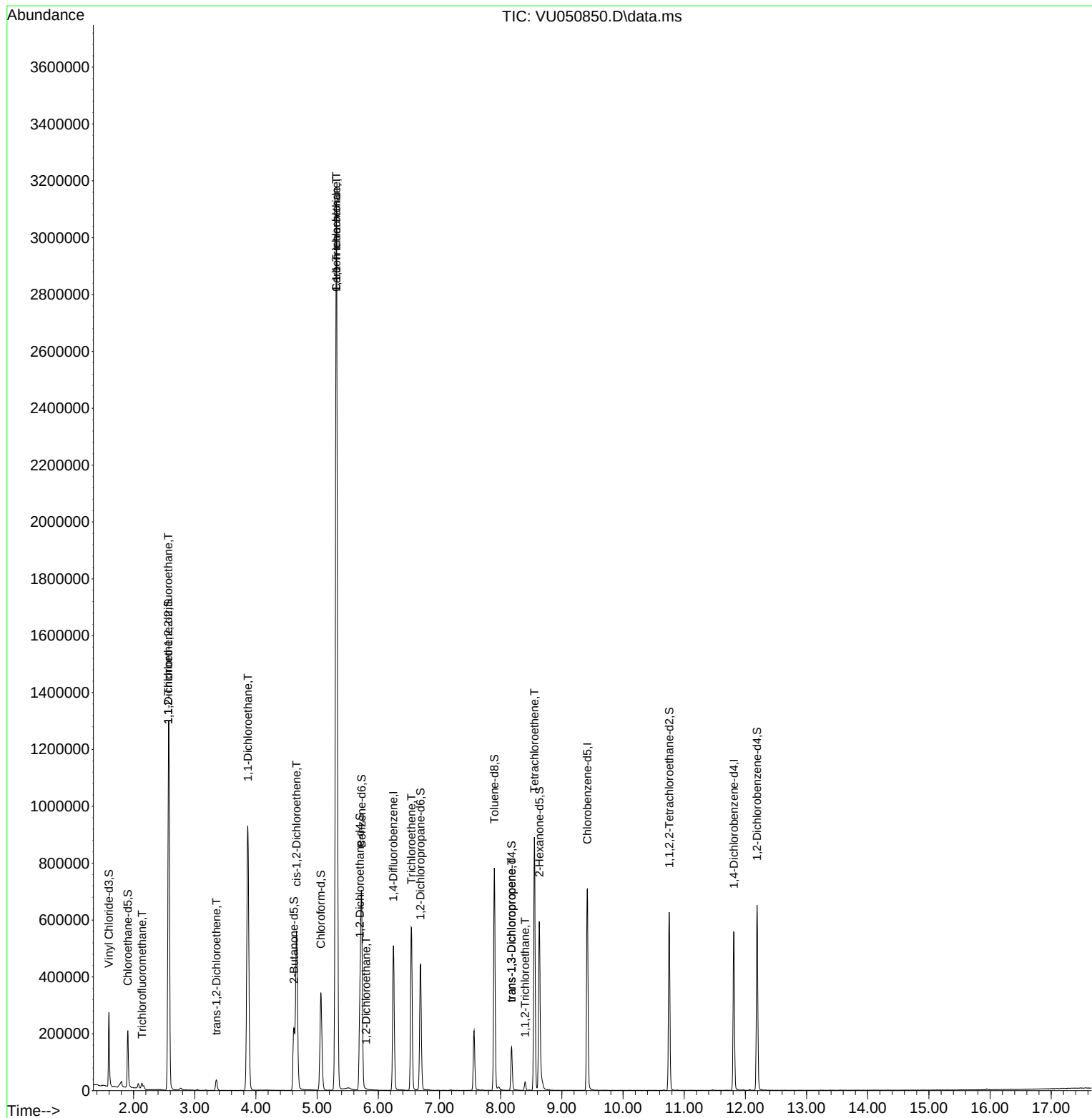
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	400504	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	396423	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	144780	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	195276	47.060	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.120%			
7) Chloroethane-d5	1.906	69	151872	51.391	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.780%			
11) 1,1-Dichloroethene-d2	2.568	63	433196	67.093	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 134.180%#			
21) 2-Butanone-d5	4.620	46	308910	115.312	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.310%			
24) Chloroform-d	5.060	84	316732	48.707	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.420%			
26) 1,2-Dichloroethane-d4	5.700	65	205440	51.264	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.520%			
32) Benzene-d6	5.726	84	646774	49.533	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.060%			
36) 1,2-Dichloropropane-d6	6.690	67	222520	50.487	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.980%			
41) Toluene-d8	7.896	98	516587	45.260	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.520%			
43) trans-1,3-Dichloroprop...	8.179	79	86596	45.164	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.320%			
47) 2-Hexanone-d5	8.633	63	193587	106.583	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 106.580%			
56) 1,1,2,2-Tetrachloroeth...	10.755	84	322384	47.977	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.960%			
66) 1,2-Dichlorobenzene-d4	12.192	152	170753	56.329	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.660%			
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.138	101	11629	2.271	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	2889	0.882	ug/L #	28
17) trans-1,2-Dichloroethene	3.353	96	15669	4.965	ug/L	88
19) 1,1-Dichloroethane	3.867	63	1084258	170.036	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	285391	81.561	ug/L	99
27) 1,2-Dichloroethane	5.800	62	2382	0.493	ug/L #	75
30) 1,1,1-Trichloroethane	5.314	97	2265165	429.502	ug/L	99
31) Carbon tetrachloride	5.314	117	293332	66.952	ug/L	98
34) Trichloroethene	6.543	95	206440	60.918	ug/L	97
44) trans-1,3-Dichloropropene	8.179	75	3938	0.775	ug/L	87
45) 1,1,2-Trichloroethane	8.401	97	9303	2.529	ug/L	98
46) Tetrachloroethene	8.552	164	194308	79.789	ug/L	99

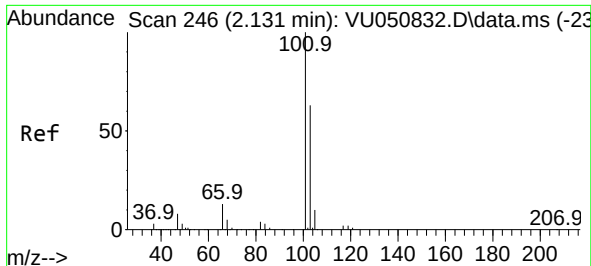
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
Data File : VU050850.D
Acq On : 20 Sep 2022 22:43
Operator : JC/MD
Sample : N4651-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ40

Quant Time: Sep 21 02:28:26 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

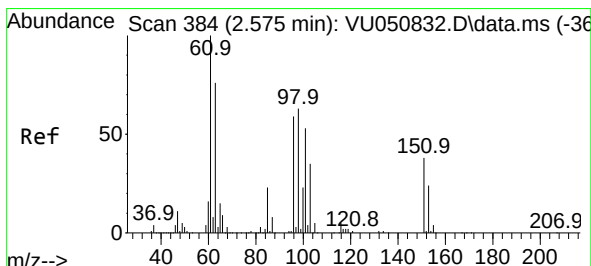
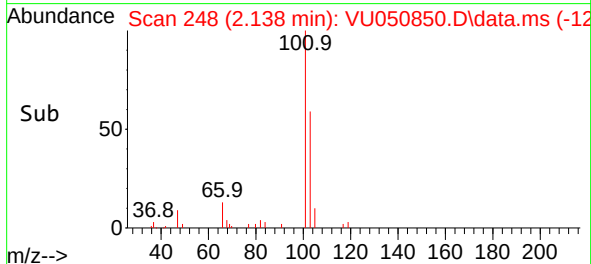
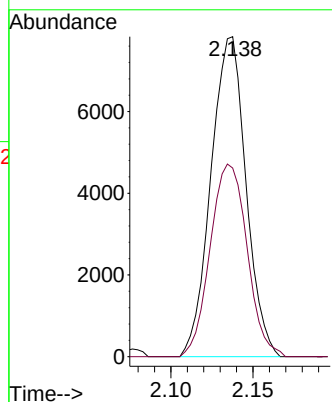
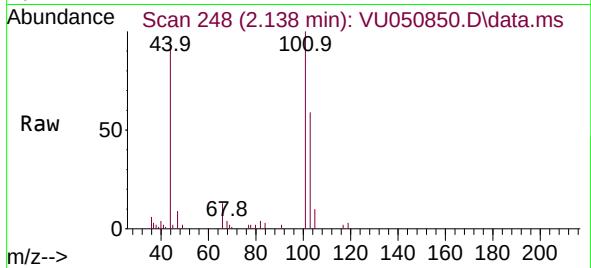




#9
 Trichlorofluoromethane
 Concen: 2.271 ug/L
 RT: 2.138 min Scan# 246
 Delta R.T. 0.007 min
 Lab File: VU050850.D
 Acq: 20 Sep 2022 22:43

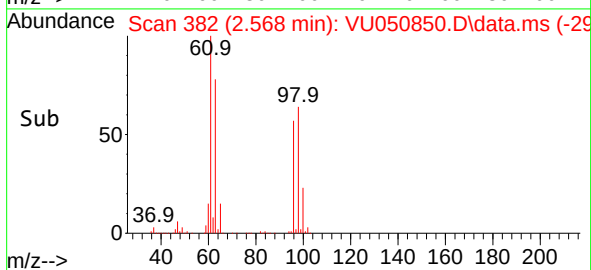
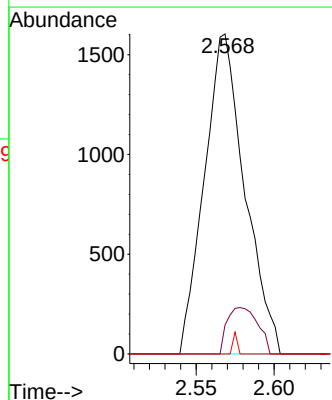
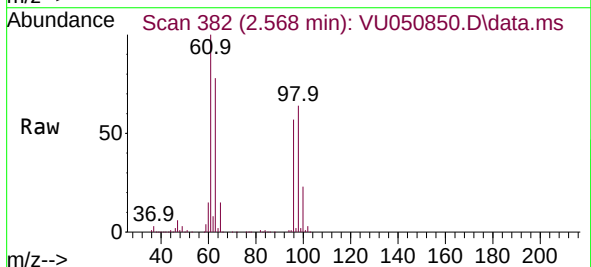
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ40

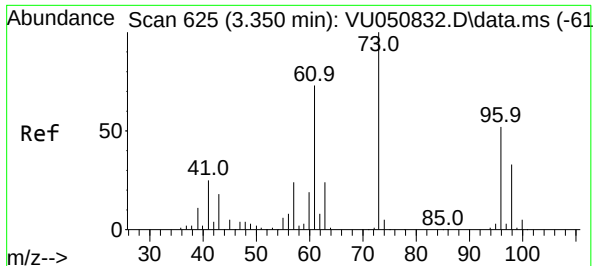
Tgt Ion:101 Resp: 11629
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.9 76.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.882 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.006 min
 Lab File: VU050850.D
 Acq: 20 Sep 2022 22:43

Tgt Ion:101 Resp: 2889
 Ion Ratio Lower Upper
 101 100
 85 11.0 35.1 52.7#
 151 0.0 56.6 84.8#





#17

trans-1,2-Dichloroethene

Concen: 4.965 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050850.D

Acq: 20 Sep 2022 22:43

Instrument :

MSVOA_U

ClientSampleId :

EXZ40

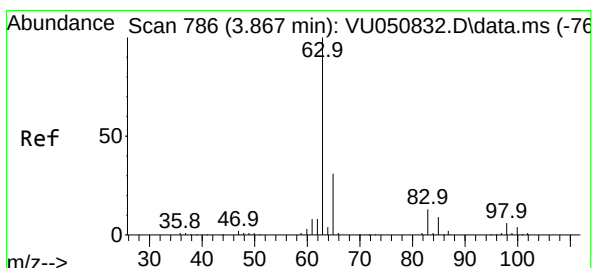
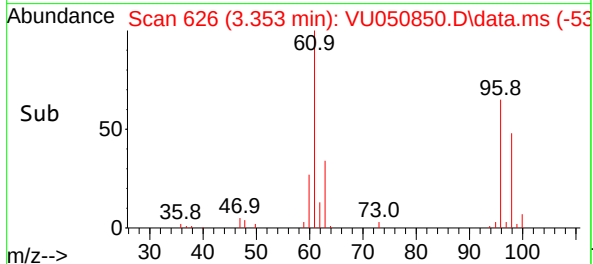
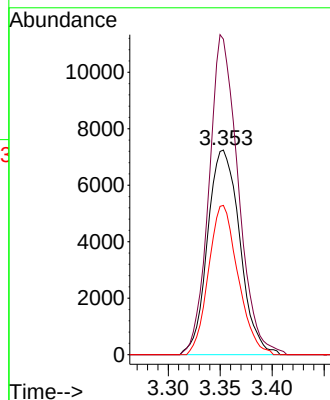
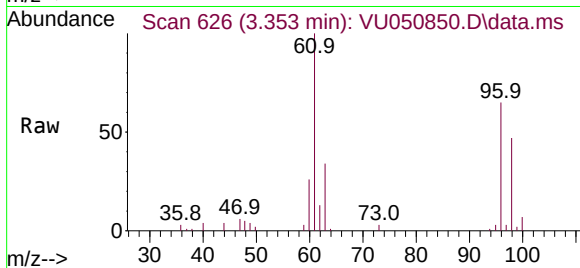
Tgt Ion: 96 Resp: 15669

Ion Ratio Lower Upper

96 100

61 154.1 98.0 182.0

98 72.9 44.3 82.3



#19

1,1-Dichloroethane

Concen: 170.036 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050850.D

Acq: 20 Sep 2022 22:43

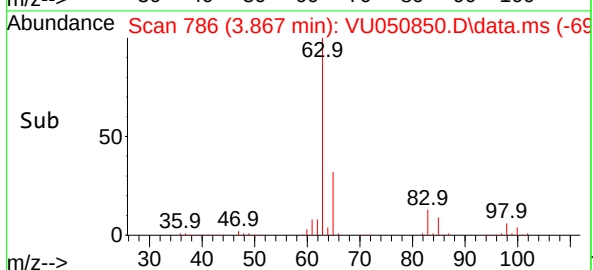
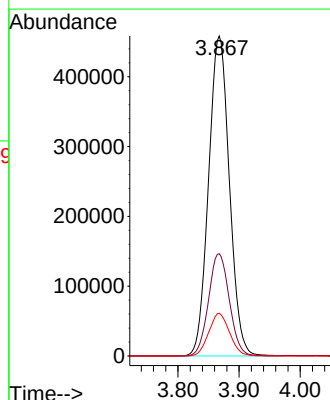
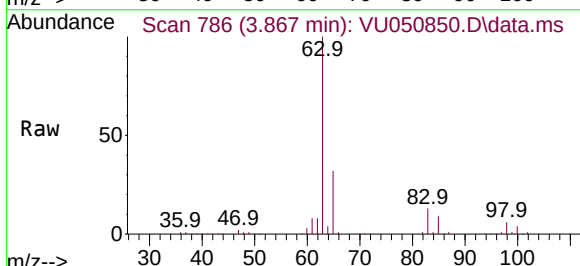
Tgt Ion: 63 Resp: 1084258

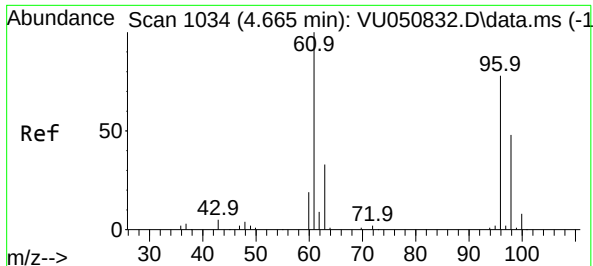
Ion Ratio Lower Upper

63 100

65 31.9 21.5 39.9

83 13.4 9.3 17.3





#20

cis-1,2-Dichloroethene

Concen: 81.561 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050850.D

Acq: 20 Sep 2022 22:43

Instrument :

MSVOA_U

ClientSampleId :

EXZ40

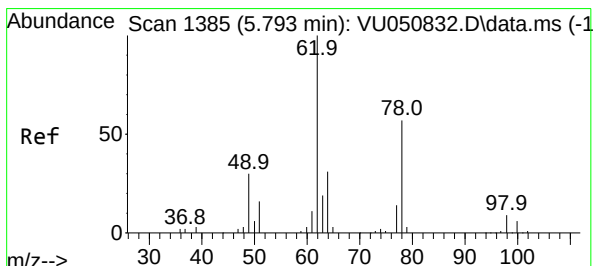
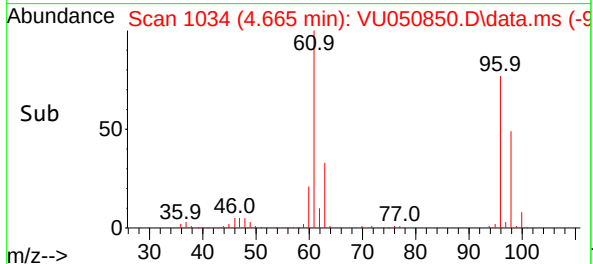
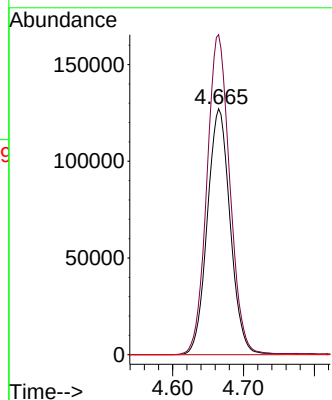
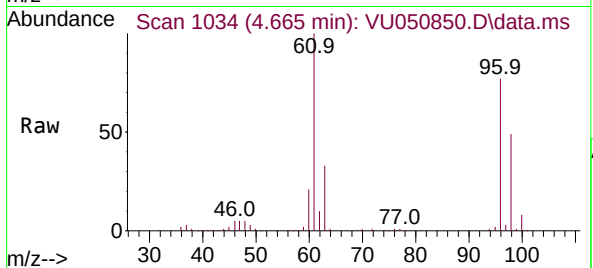
Tgt Ion: 96 Resp: 285391

Ion Ratio Lower Upper

96 100

61 130.1 90.1 167.3

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.493 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.007 min

Lab File: VU050850.D

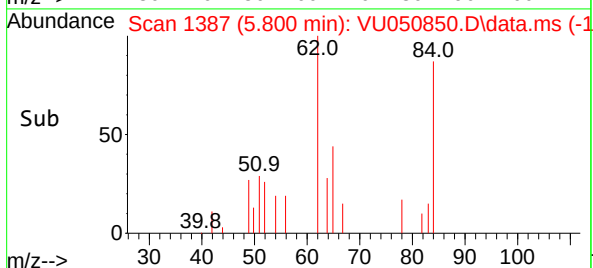
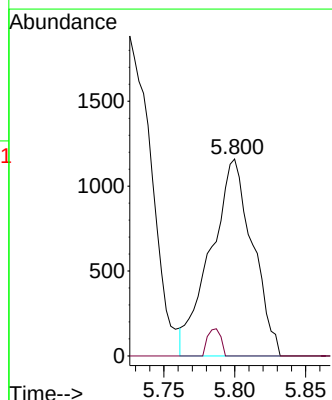
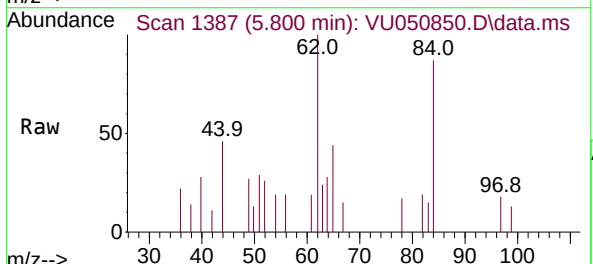
Acq: 20 Sep 2022 22:43

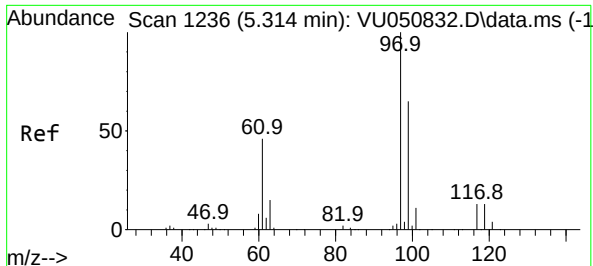
Tgt Ion: 62 Resp: 2382

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#





#30

1,1,1-Trichloroethane

Concen: 429.502 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050850.D

Acq: 20 Sep 2022 22:43

Instrument :

MSVOA_U

ClientSampleId :

EXZ40

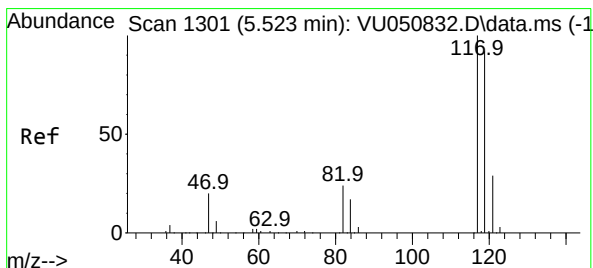
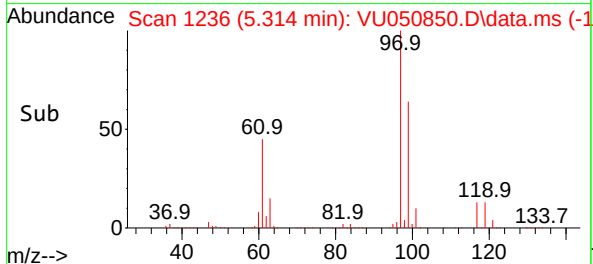
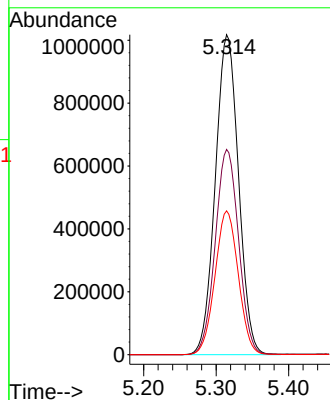
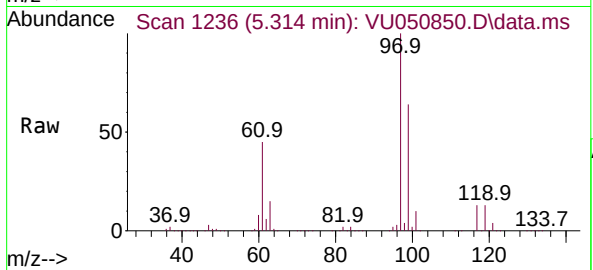
Tgt Ion: 97 Resp: 2265165

Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.2

61 45.2 37.1 55.7



#31

Carbon tetrachloride

Concen: 66.952 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.209 min

Lab File: VU050850.D

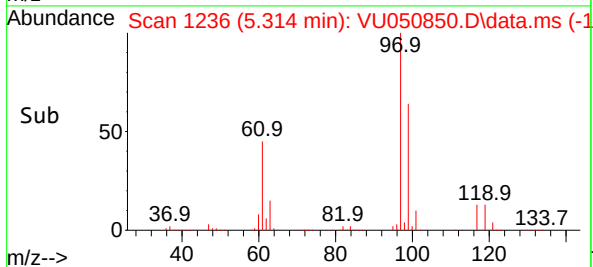
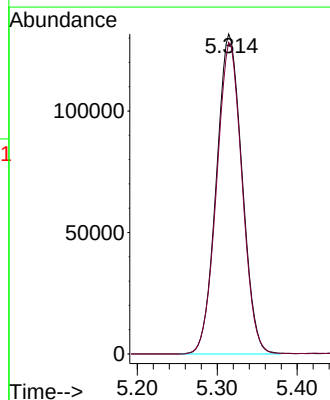
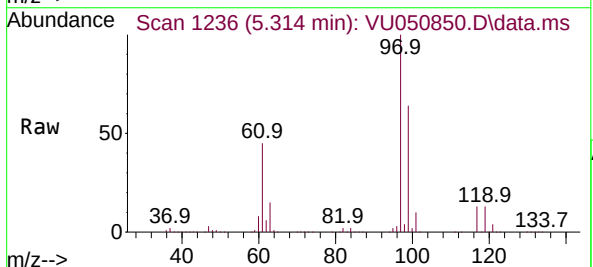
Acq: 20 Sep 2022 22:43

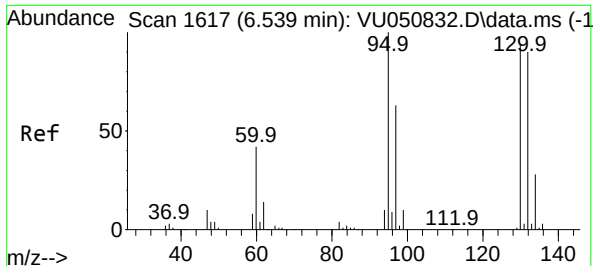
Tgt Ion:117 Resp: 293332

Ion Ratio Lower Upper

117 100

119 96.6 76.0 114.0

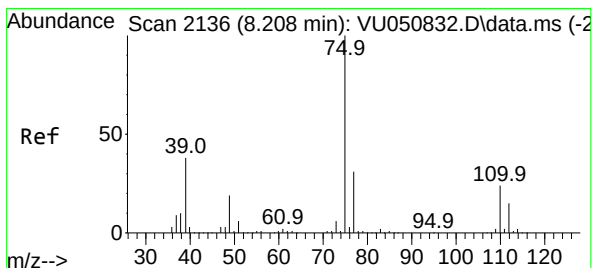
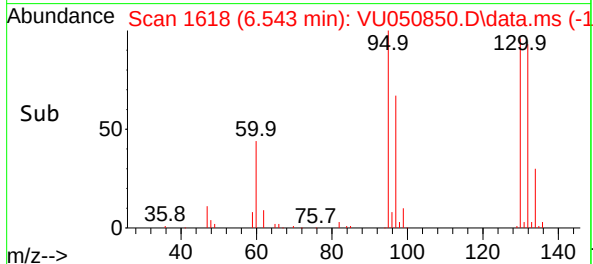
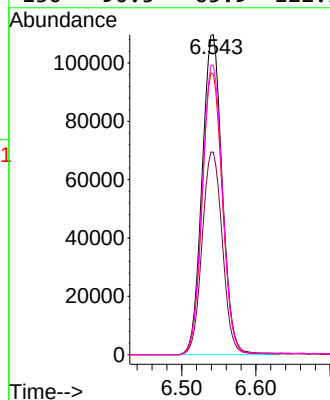
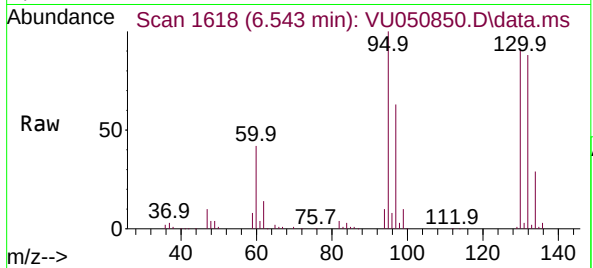




#34
Trichloroethene
Concen: 60.918 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU050850.D
Acq: 20 Sep 2022 22:43

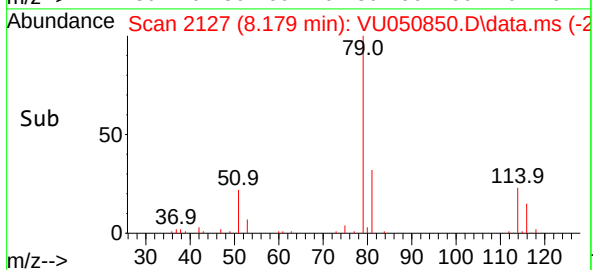
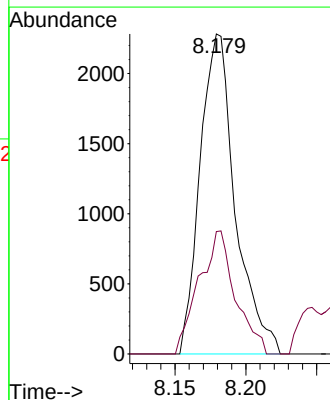
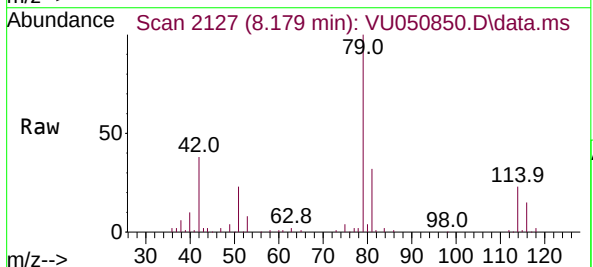
Instrument :
MSVOA_U
ClientSampleId :
EXZ40

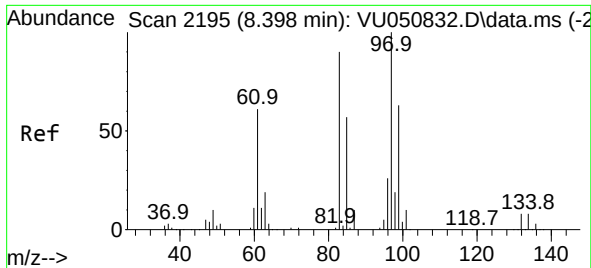
Tgt Ion: 95 Resp: 206440
Ion Ratio Lower Upper
95 100
97 63.3 43.9 81.5
132 87.6 63.1 117.1
130 90.5 65.9 122.3



#44
trans-1,3-Dichloropropene
Concen: 0.775 ug/L
RT: 8.179 min Scan# 2127
Delta R.T. -0.029 min
Lab File: VU050850.D
Acq: 20 Sep 2022 22:43

Tgt Ion: 75 Resp: 3938
Ion Ratio Lower Upper
75 100
77 38.3 21.9 40.7



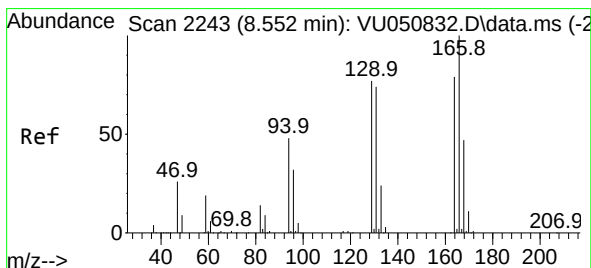
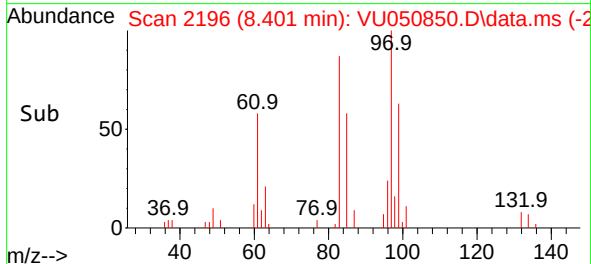
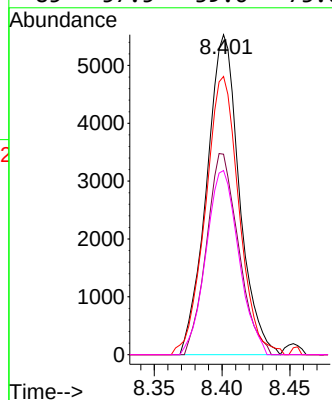
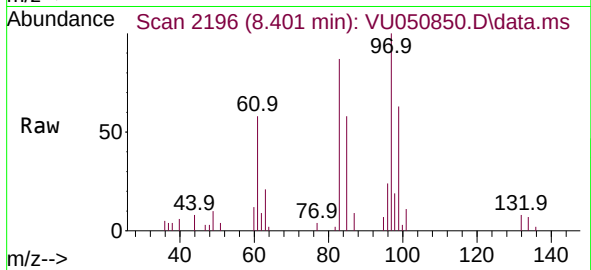


#45
1,1,2-Trichloroethane
Concen: 2.529 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050850.D
Acq: 20 Sep 2022 22:43

Instrument :
MSVOA_U
ClientSampleId :
EXZ40

Tgt Ion: 97 Resp: 9303

Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.8	81.4
83	86.9	62.6	116.3
85	57.5	39.6	73.6



#46
Tetrachloroethene
Concen: 79.789 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050850.D
Acq: 20 Sep 2022 22:43

Tgt Ion: 164 Resp: 194308

Ion	Ratio	Lower	Upper
164	100		
129	98.5	68.5	127.3
131	95.6	66.1	122.7
166	126.5	88.8	164.8

