

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092022\
 Data File : VU050866.D
 Acq On : 21 Sep 2022 05:22
 Operator : JC/MD
 Sample : N4650-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ01

Quant Time: Sep 21 06:53:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

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

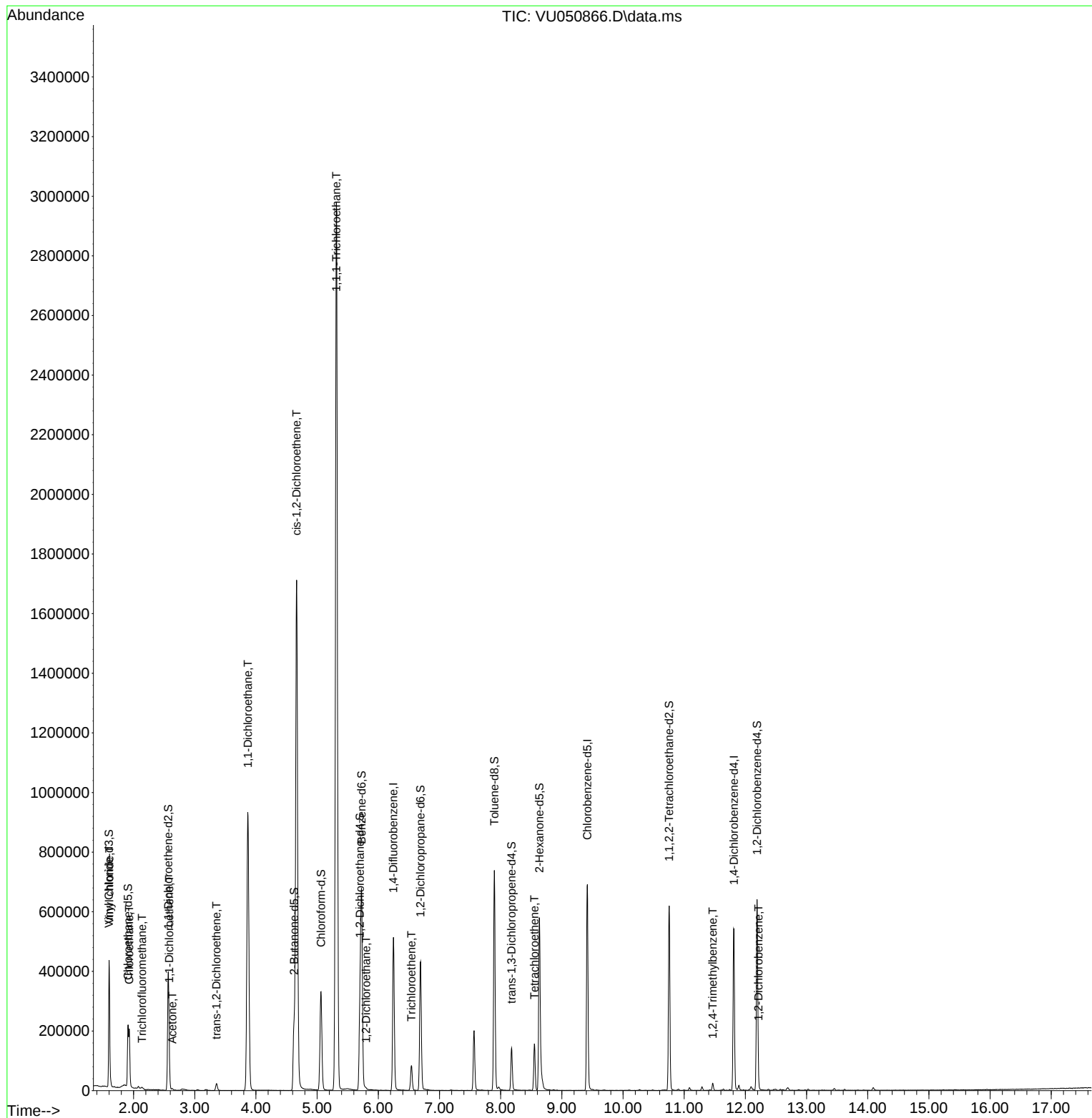
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	404772	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	389805	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	144390	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	180491	43.039	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.080%
7) Chloroethane-d5	1.909	69	149751	50.139	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.280%
11) 1,1-Dichloroethene-d2	2.565	63	229086	35.106	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.220%
21) 2-Butanone-d5	4.623	46	319103	117.861	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.860%
24) Chloroform-d	5.063	84	312668	47.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.160%
26) 1,2-Dichloroethane-d4	5.700	65	202895	50.095	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.180%
32) Benzene-d6	5.726	84	629782	49.051	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.100%
36) 1,2-Dichloropropane-d6	6.690	67	213958	49.369	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.740%
41) Toluene-d8	7.896	98	487218	43.412	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.820%
43) trans-1,3-Dichloroprop...	8.179	79	80442	42.667	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.340%
47) 2-Hexanone-d5	8.632	63	185080	103.629	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.630%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	320808	48.553	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.100%
66) 1,2-Dichlorobenzene-d4	12.192	152	162675	53.810	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.620%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	153348	32.147	ug/L	97
8) Chloroethane	1.928	64	116228	44.007	ug/L	99
9) Trichlorofluoromethane	2.137	101	2206	0.426	ug/L #	83
12) 1,1-Dichloroethene	2.581	96	22789	7.323	ug/L #	1
13) Acetone	2.633	43	6072	2.649	ug/L	92
17) trans-1,2-Dichloroethene	3.356	96	8586	2.692	ug/L	92
19) 1,1-Dichloroethane	3.867	63	1071823	166.314	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	886846	250.777	ug/L	100
27) 1,2-Dichloroethane	5.800	62	3198	0.655	ug/L	95
30) 1,1,1-Trichloroethane	5.314	97	2182603	420.873	ug/L	98
34) Trichloroethene	6.542	95	28177	8.456	ug/L	96
46) Tetrachloroethene	8.552	164	33576	14.021	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	13573	1.616	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	4628	0.926	ug/L #	86

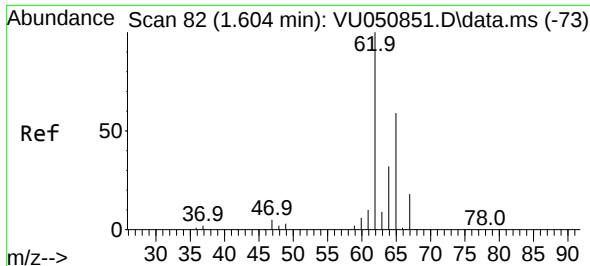
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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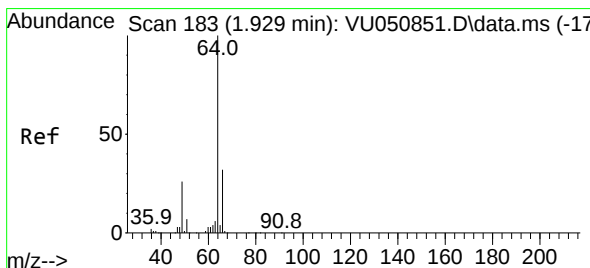
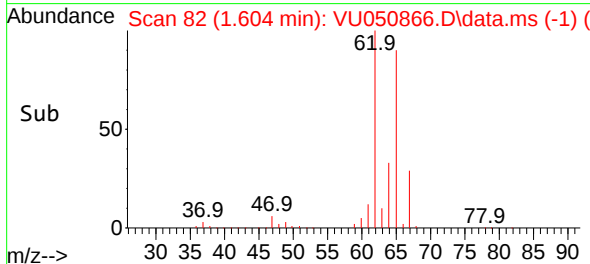
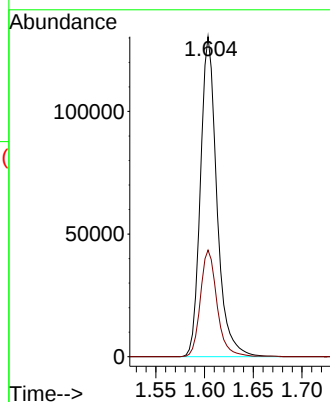
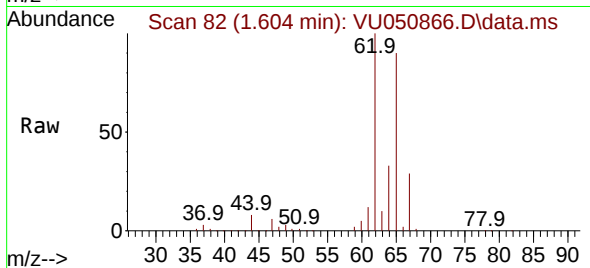




#5
 Vinyl chloride
 Concen: 32.147 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU050866.D
 Acq: 21 Sep 2022 05:22

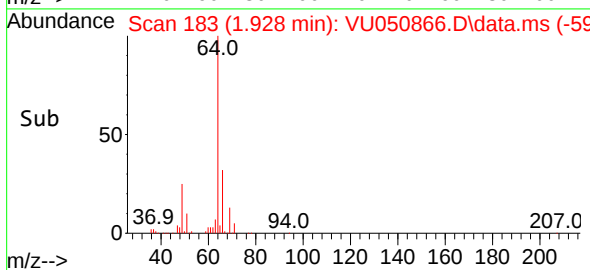
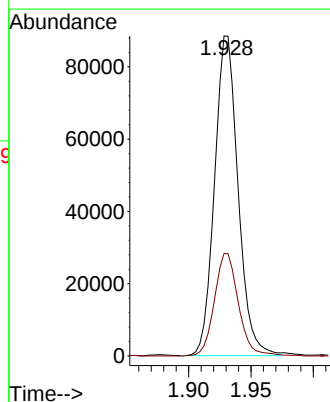
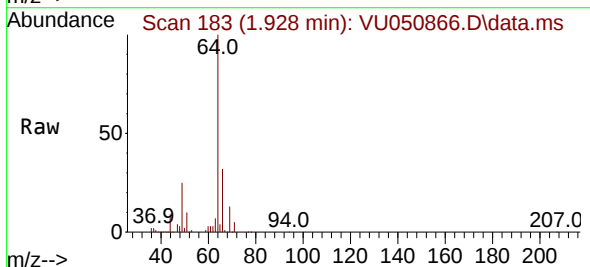
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ01

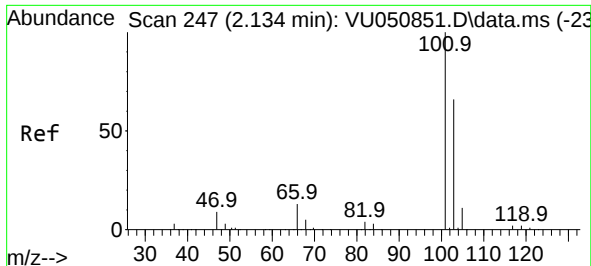
Tgt Ion: 62 Resp: 153348
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.2 41.2



#8
 Chloroethane
 Concen: 44.007 ug/L
 RT: 1.928 min Scan# 183
 Delta R.T. -0.000 min
 Lab File: VU050866.D
 Acq: 21 Sep 2022 05:22

Tgt Ion: 64 Resp: 116228
 Ion Ratio Lower Upper
 64 100
 66 32.1 22.9 42.5

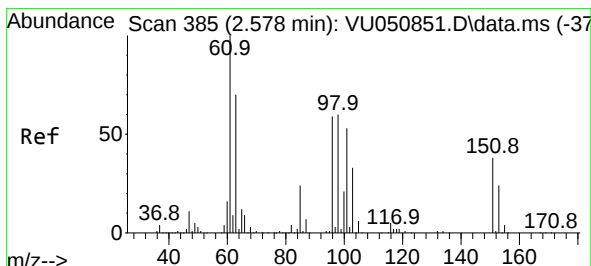
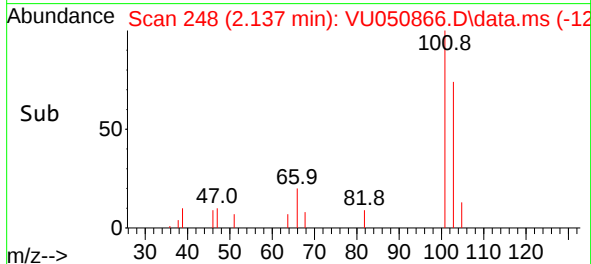
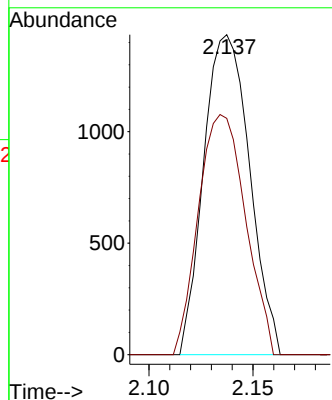
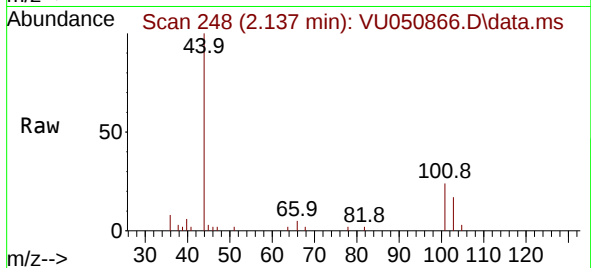




#9
 Trichlorofluoromethane
 Concen: 0.426 ug/L
 RT: 2.137 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VU050866.D
 Acq: 21 Sep 2022 05:22

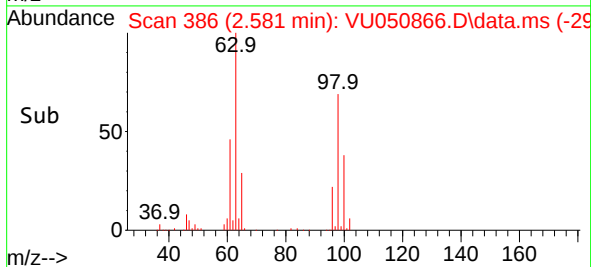
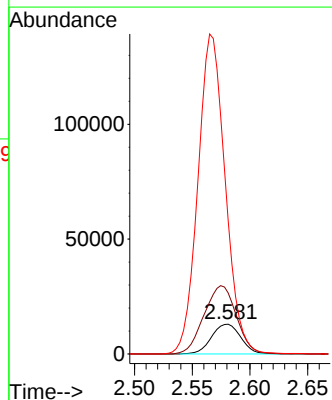
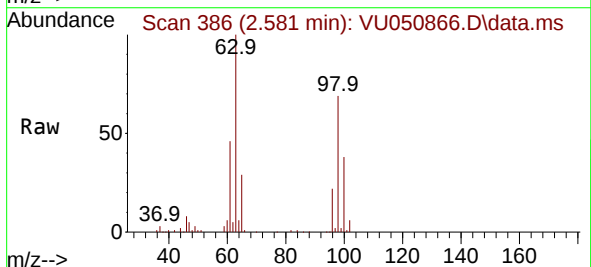
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ01

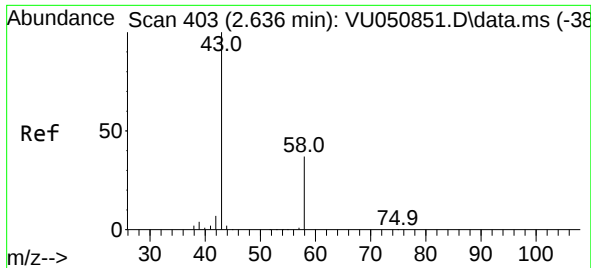
Tgt Ion:101 Resp: 2206
 Ion Ratio Lower Upper
 101 100
 103 77.0 50.9 76.3#



#12
 1,1-Dichloroethene
 Concen: 7.323 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU050866.D
 Acq: 21 Sep 2022 05:22

Tgt Ion: 96 Resp: 22789
 Ion Ratio Lower Upper
 96 100
 61 205.1 118.6 220.2
 63 447.9 90.4 168.0#





#13

Acetone

Concen: 2.649 ug/L

RT: 2.633 min Scan# 40

Delta R.T. -0.003 min

Lab File: VU050866.D

Acq: 21 Sep 2022 05:22

Instrument :

MSVOA_U

ClientSampleId :

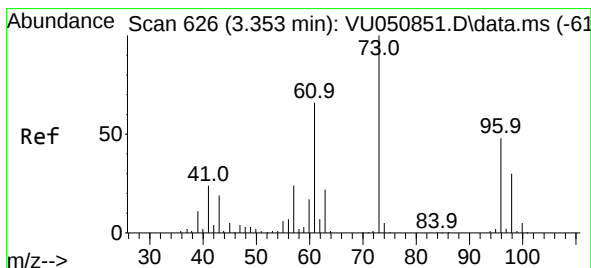
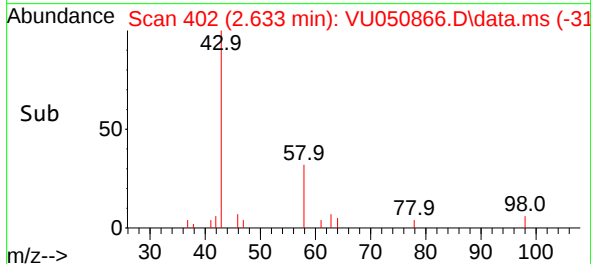
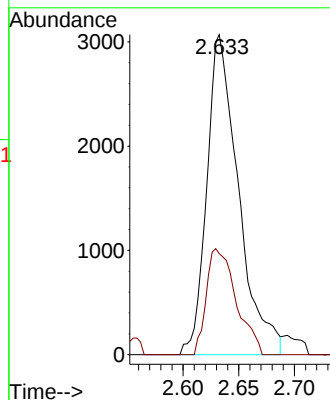
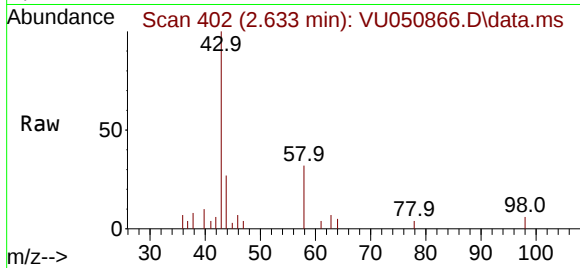
EXZ01

Tgt Ion: 43 Resp: 6072

Ion Ratio Lower Upper

43 100

58 31.1 0.0 71.4



#17

trans-1,2-Dichloroethene

Concen: 2.692 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU050866.D

Acq: 21 Sep 2022 05:22

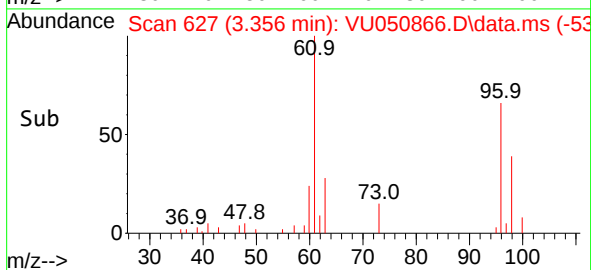
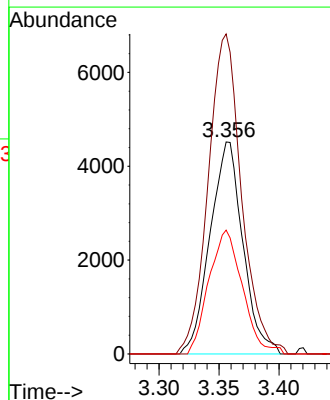
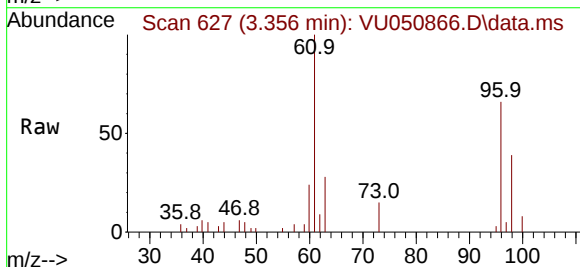
Tgt Ion: 96 Resp: 8586

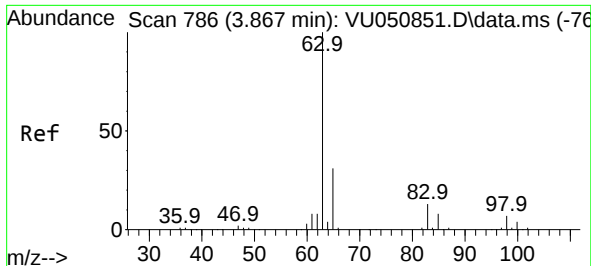
Ion Ratio Lower Upper

96 100

61 151.0 98.0 182.0

98 58.4 44.3 82.3



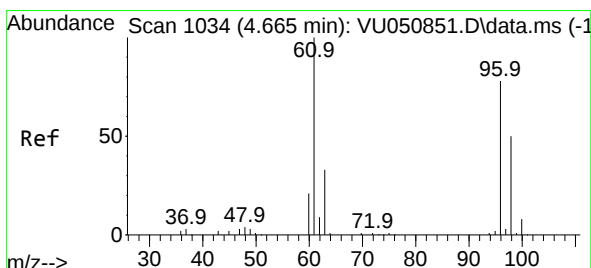
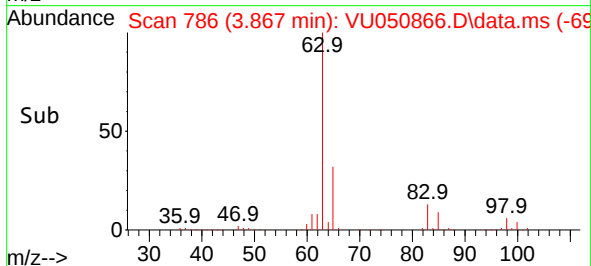
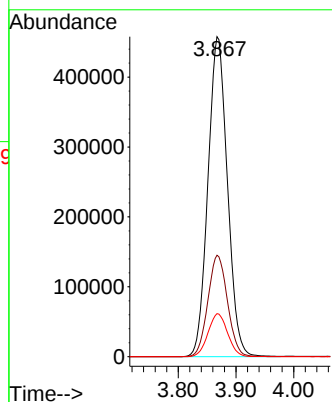
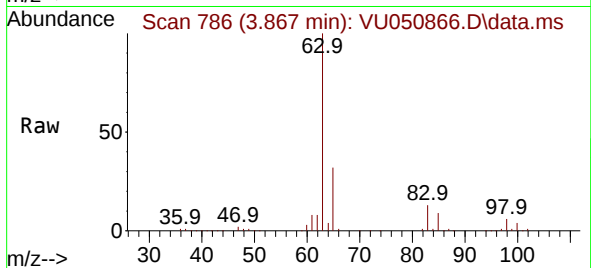


#19
 1,1-Dichloroethane
 Concen: 166.314 ug/L
 RT: 3.867 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU050866.D
 Acq: 21 Sep 2022 05:22

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ01

Tgt Ion: 63 Resp: 1071823

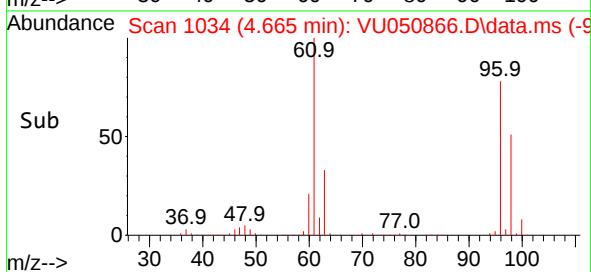
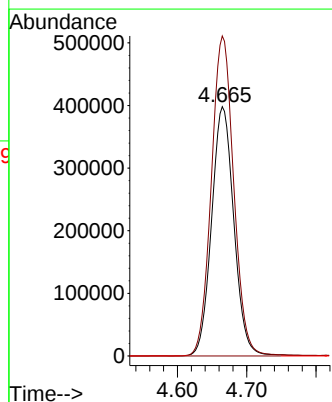
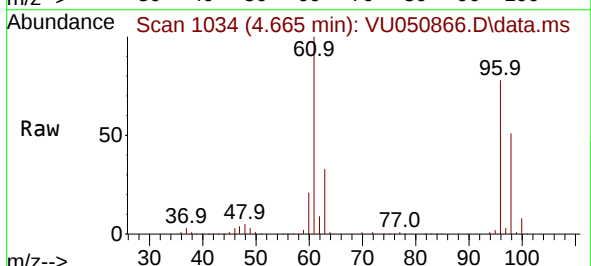
Ion	Ratio	Lower	Upper
63	100		
65	31.7	21.5	39.9
83	13.4	9.3	17.3

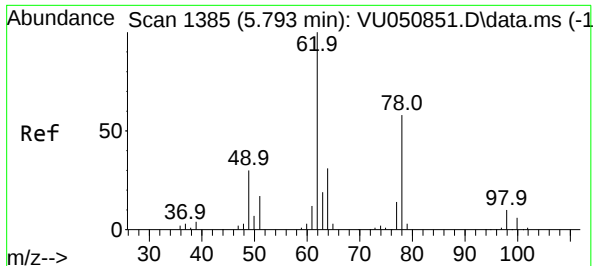


#20
 cis-1,2-Dichloroethene
 Concen: 250.777 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU050866.D
 Acq: 21 Sep 2022 05:22

Tgt Ion: 96 Resp: 886846

Ion	Ratio	Lower	Upper
96	100		
61	128.4	90.1	167.3
68	0.0	0.0	0.0





#27

1,2-Dichloroethane

Concen: 0.655 ug/L

RT: 5.800 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU050866.D

Acq: 21 Sep 2022 05:22

Instrument :

MSVOA_U

ClientSampleId :

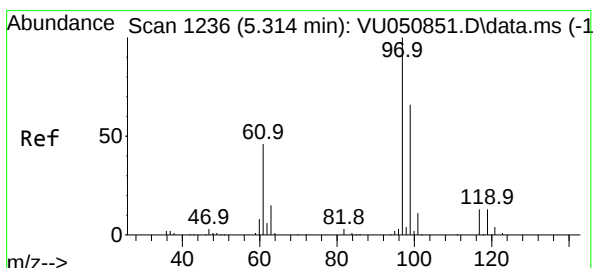
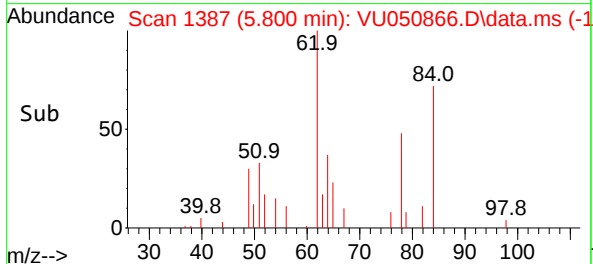
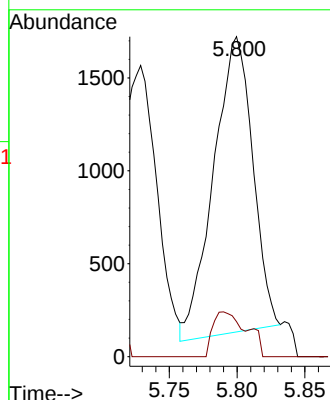
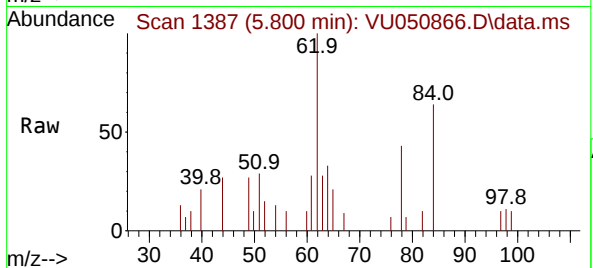
EXZ01

Tgt Ion: 62 Resp: 3198

Ion Ratio Lower Upper

62 100

98 10.9 7.4 11.0



#30

1,1,1-Trichloroethane

Concen: 420.873 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU050866.D

Acq: 21 Sep 2022 05:22

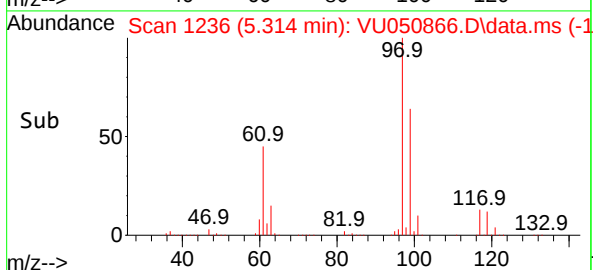
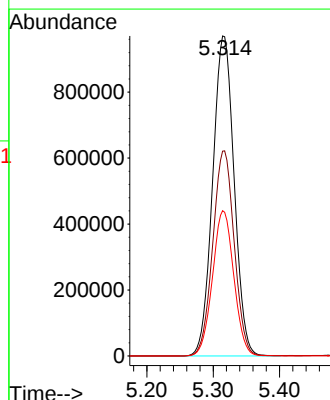
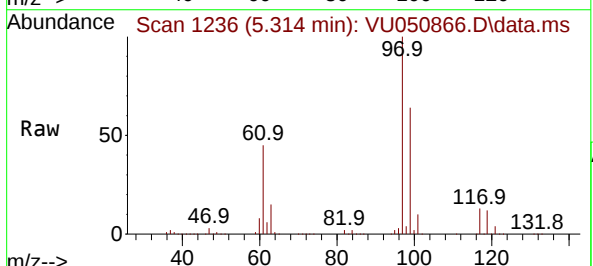
Tgt Ion: 97 Resp: 2182603

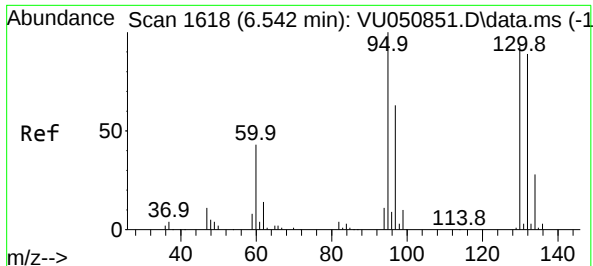
Ion Ratio Lower Upper

97 100

99 64.1 52.2 78.2

61 45.0 37.1 55.7





#34

Trichloroethene

Concen: 8.456 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050866.D

Acq: 21 Sep 2022 05:22

Instrument :

MSVOA_U

ClientSampleId :

EXZ01

Tgt Ion: 95 Resp: 28177

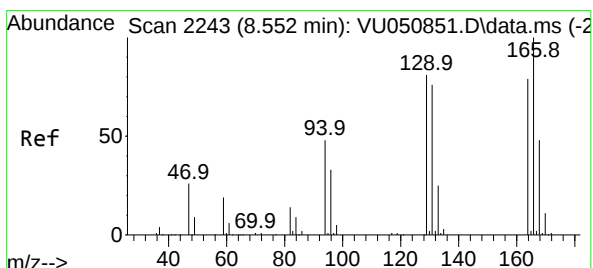
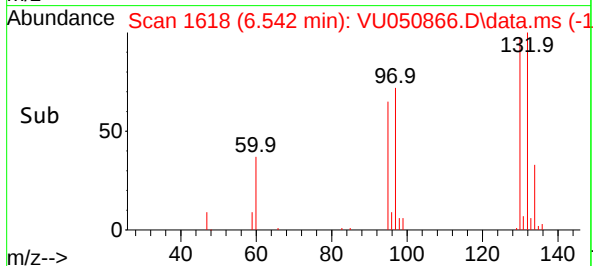
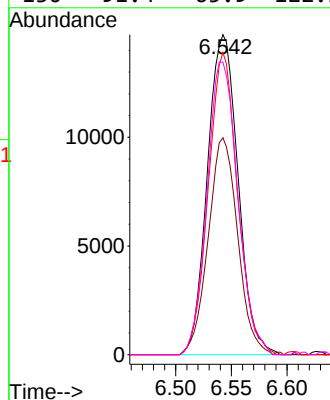
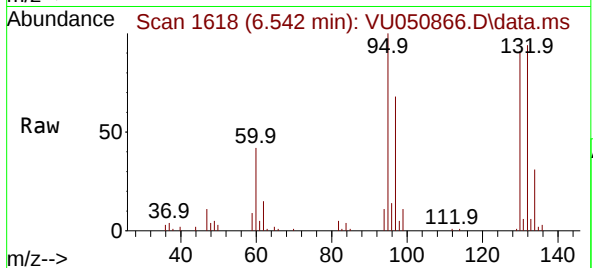
Ion Ratio Lower Upper

95 100

97 67.8 43.9 81.5

132 94.4 63.1 117.1

130 91.4 65.9 122.3



#46

Tetrachloroethene

Concen: 14.021 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU050866.D

Acq: 21 Sep 2022 05:22

Tgt Ion: 164 Resp: 33576

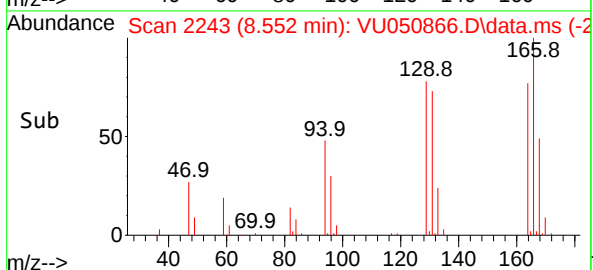
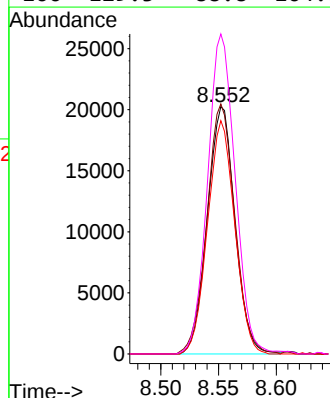
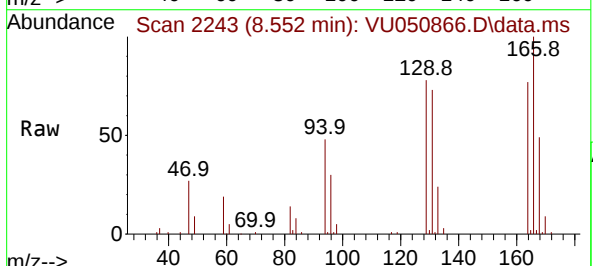
Ion Ratio Lower Upper

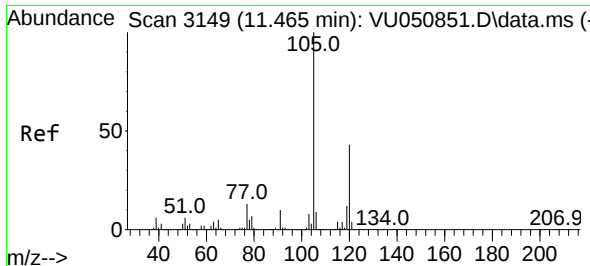
164 100

129 101.1 68.5 127.3

131 94.3 66.1 122.7

166 129.3 88.8 164.8

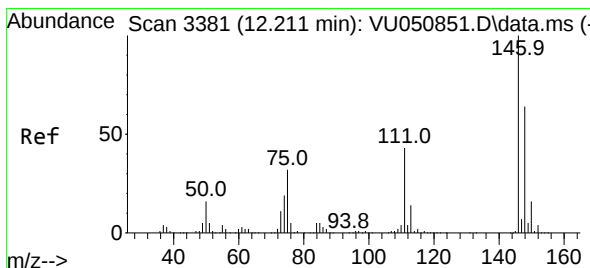
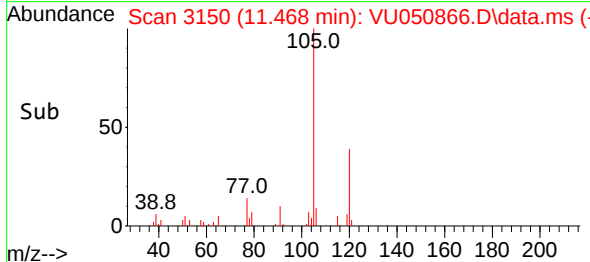
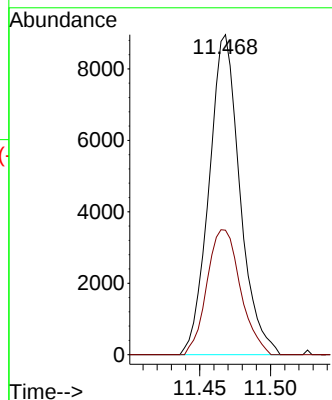
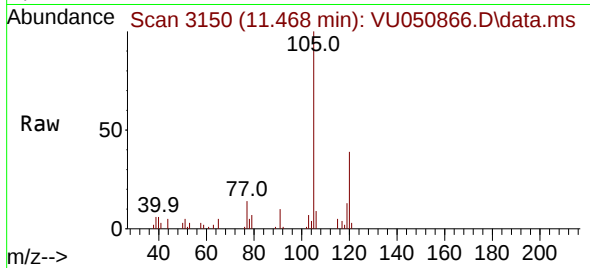




#63
1,2,4-Trimethylbenzene
Concen: 1.616 ug/L
RT: 11.468 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU050866.D
Acq: 21 Sep 2022 05:22

Instrument :
MSVOA_U
ClientSampleId :
EXZ01

Tgt Ion:105 Resp: 13573
Ion Ratio Lower Upper
105 100
120 42.3 34.9 52.3



#67
1,2-Dichlorobenzene
Concen: 0.926 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU050866.D
Acq: 21 Sep 2022 05:22

Tgt Ion:146 Resp: 4628
Ion Ratio Lower Upper
146 100
111 60.4 35.2 52.8#
148 60.5 52.0 78.0

