

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050859.D
 Acq On : 21 Sep 2022 02:38
 Operator : JC/MD
 Sample : N4650-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ36

Quant Time: Sep 21 04:42:49 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)

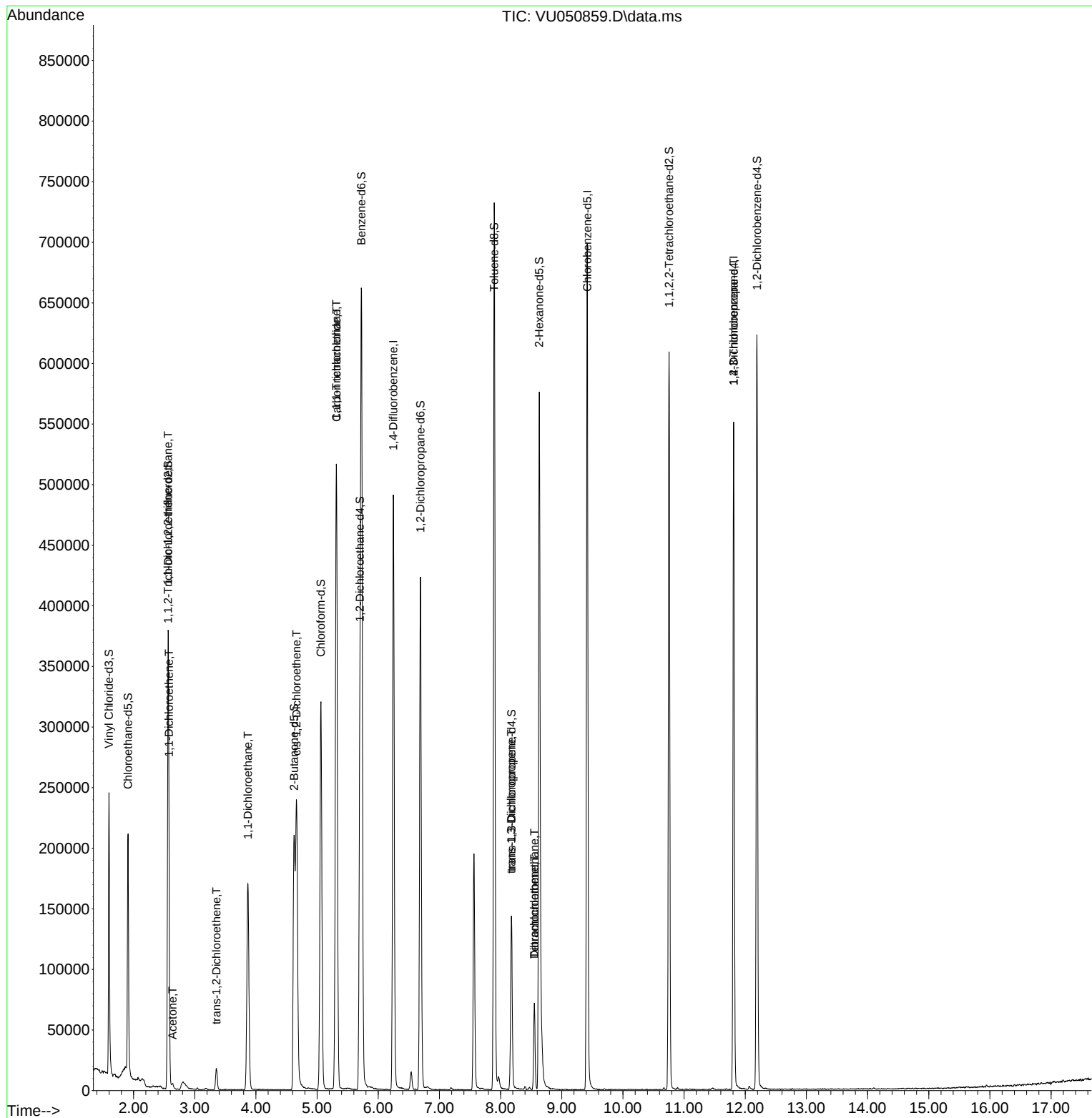
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	388464	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	381541	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	140911	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	174397	43.331	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.660%		
7) Chloroethane-d5	1.909	69	143200	49.958	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.920%		
11) 1,1-Dichloroethene-d2	2.565	63	220247	35.169	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.340%		
21) 2-Butanone-d5	4.623	46	312682	120.338	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	120.340%		
24) Chloroform-d	5.063	84	302735	47.997	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.000%		
26) 1,2-Dichloroethane-d4	5.700	65	197548	50.822	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.640%		
32) Benzene-d6	5.726	84	612757	48.758	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.520%		
36) 1,2-Dichloropropane-d6	6.690	67	208087	49.054	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.100%		
41) Toluene-d8	7.896	98	486179	44.257	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.520%		
43) trans-1,3-Dichloroprop...	8.179	79	80051	43.379	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.760%		
47) 2-Hexanone-d5	8.632	63	182796	104.567	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.570%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	309437	47.846	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.700%		
66) 1,2-Dichlorobenzene-d4	12.192	152	157864	53.507	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.020%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1982	0.624	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	15546	5.205	ug/L #	1
13) Acetone	2.639	43	4801	2.182	ug/L	96
17) trans-1,2-Dichloroethene	3.356	96	7832	2.559	ug/L	93
19) 1,1-Dichloroethane	3.867	63	197245	31.891	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	114590	33.763	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	375393	73.955	ug/L	99
31) Carbon tetrachloride	5.317	117	49330	11.699	ug/L	98
44) trans-1,3-Dichloropropene	8.176	75	3494	0.714	ug/L	99
46) Tetrachloroethene	8.552	164	14590	6.225	ug/L	93
49) Dibromochloromethane	8.552	129	15308	4.409	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	17496	4.414	ug/L #	67

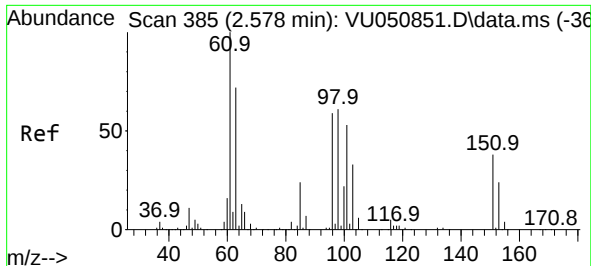
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.624 ug/L

RT: 2.562 min Scan# 3

Delta R.T. -0.016 min

Lab File: VU050859.D

Acq: 21 Sep 2022 02:38

Instrument :

MSVOA_U

ClientSampleId :

EXZ36

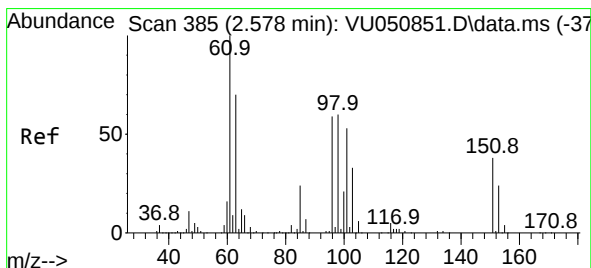
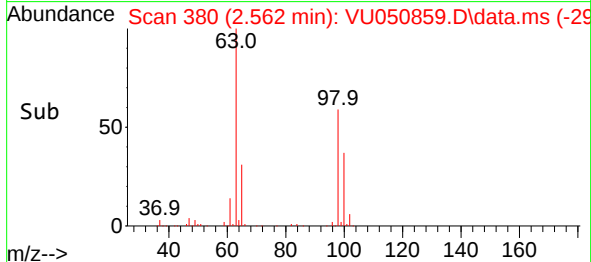
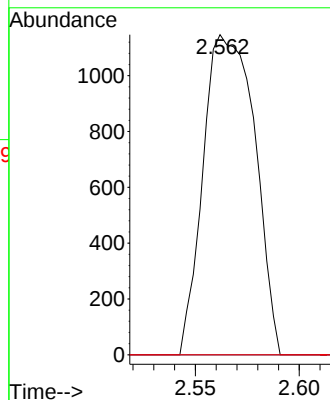
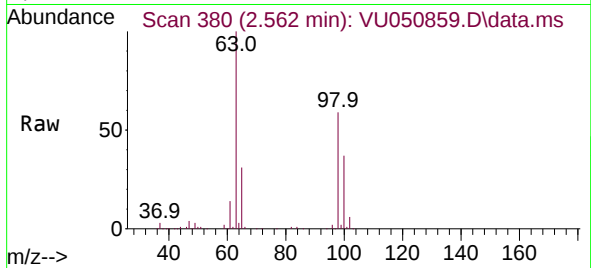
Tgt Ion:101 Resp: 1982

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 5.205 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU050859.D

Acq: 21 Sep 2022 02:38

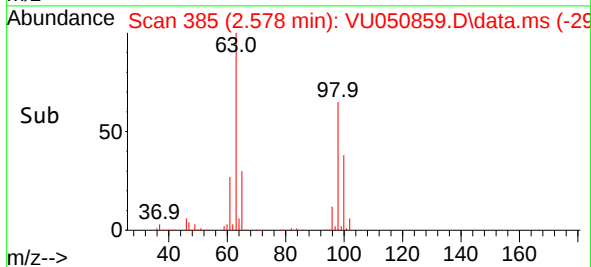
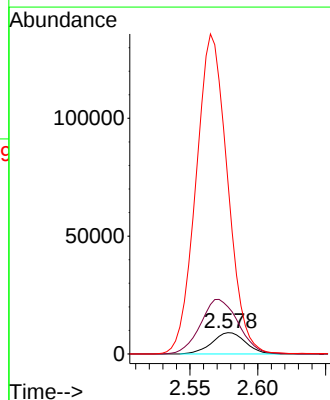
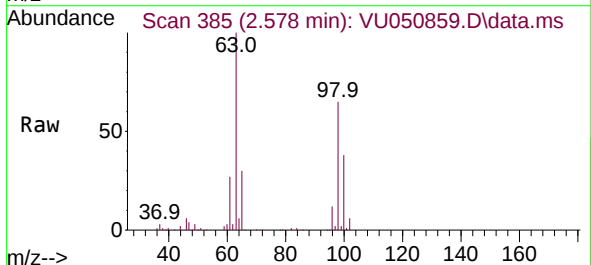
Tgt Ion: 96 Resp: 15546

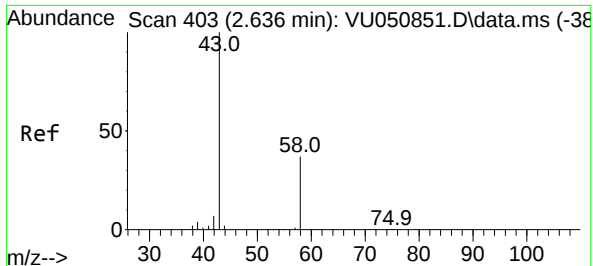
Ion Ratio Lower Upper

96 100

61 221.3 118.6 220.2#

63 810.1 90.4 168.0#





#13

Acetone

Concen: 2.182 ug/L

RT: 2.639 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU050859.D

Acq: 21 Sep 2022 02:38

Instrument :

MSVOA_U

ClientSampleId :

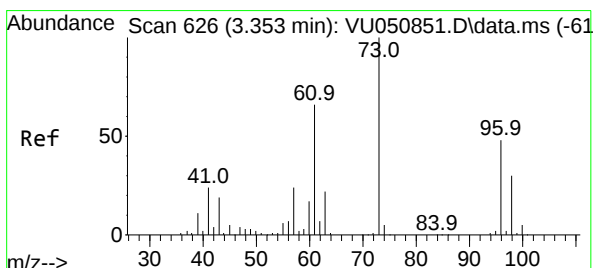
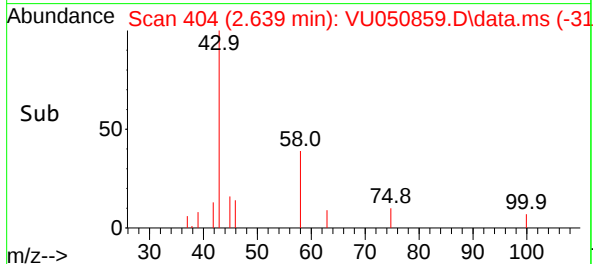
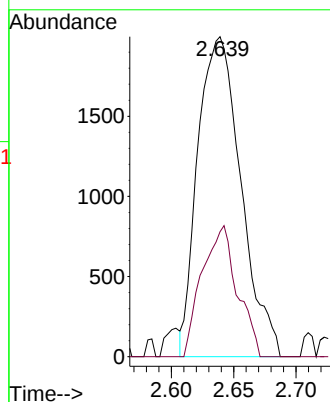
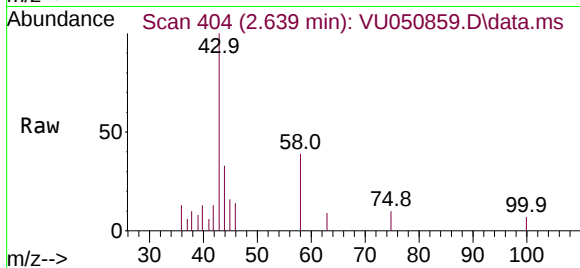
EXZ36

Tgt Ion: 43 Resp: 4801

Ion Ratio Lower Upper

43 100

58 33.5 0.0 71.4



#17

trans-1,2-Dichloroethene

Concen: 2.559 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU050859.D

Acq: 21 Sep 2022 02:38

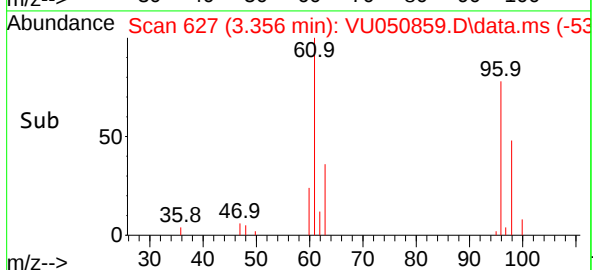
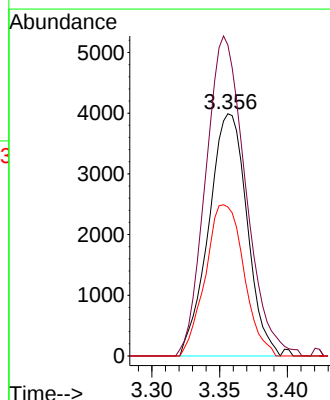
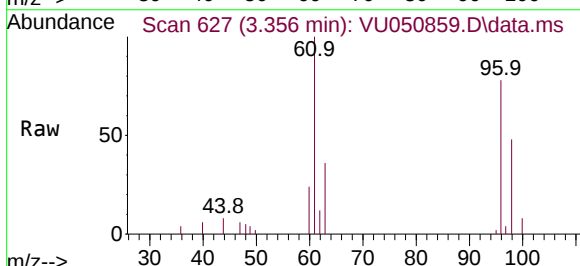
Tgt Ion: 96 Resp: 7832

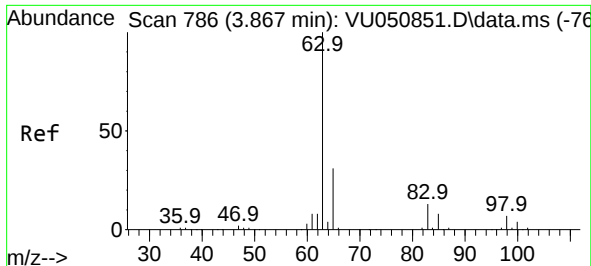
Ion Ratio Lower Upper

96 100

61 128.3 98.0 182.0

98 61.5 44.3 82.3





#19

1,1-Dichloroethane

Concen: 31.891 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU050859.D

Acq: 21 Sep 2022 02:38

Instrument :

MSVOA_U

ClientSampleId :

EXZ36

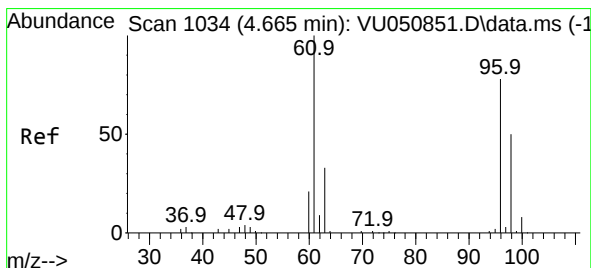
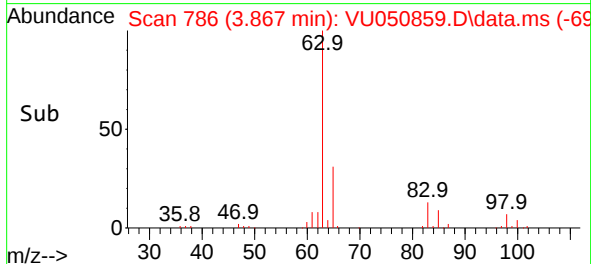
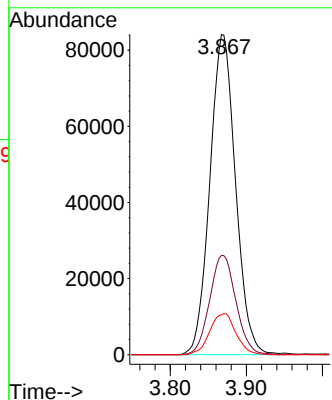
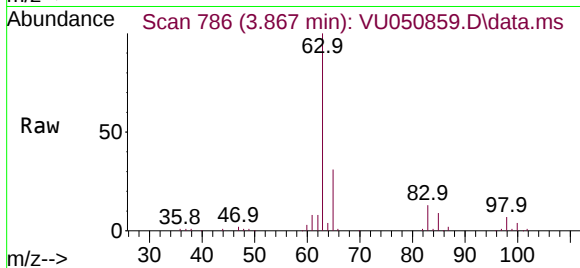
Tgt Ion: 63 Resp: 197245

Ion Ratio Lower Upper

63 100

65 31.8 21.5 39.9

83 12.5 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 33.763 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050859.D

Acq: 21 Sep 2022 02:38

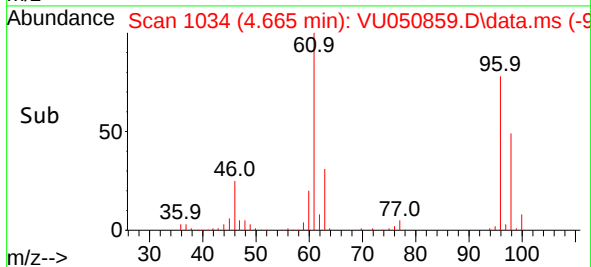
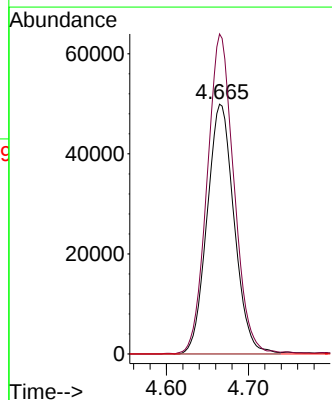
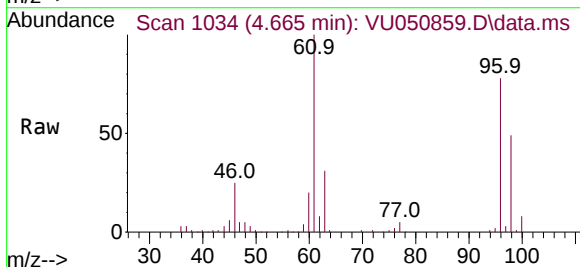
Tgt Ion: 96 Resp: 114590

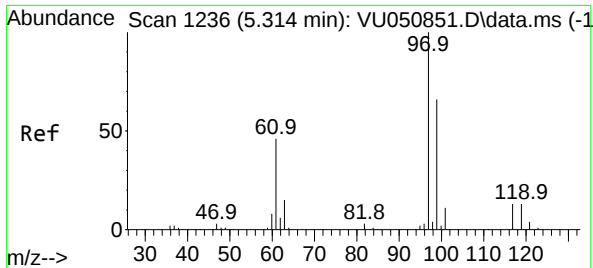
Ion Ratio Lower Upper

96 100

61 128.1 90.1 167.3

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 73.955 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050859.D

Acq: 21 Sep 2022 02:38

Instrument :

MSVOA_U

ClientSampleId :

EXZ36

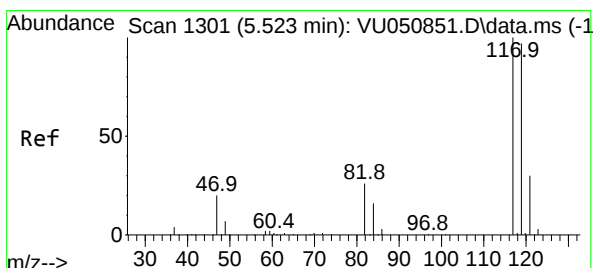
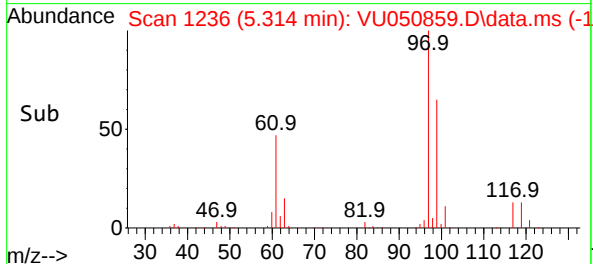
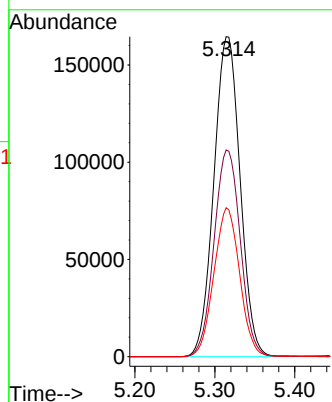
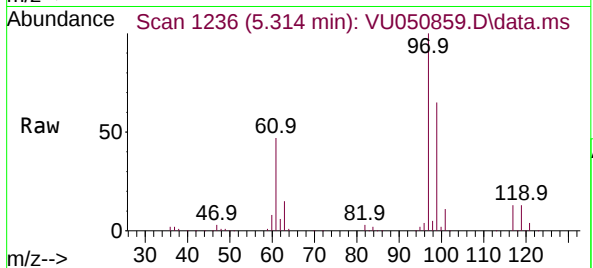
Tgt Ion: 97 Resp: 375393

Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.2

61 45.7 37.1 55.7



#31

Carbon tetrachloride

Concen: 11.699 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.206 min

Lab File: VU050859.D

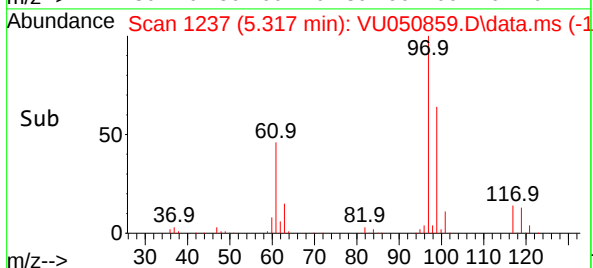
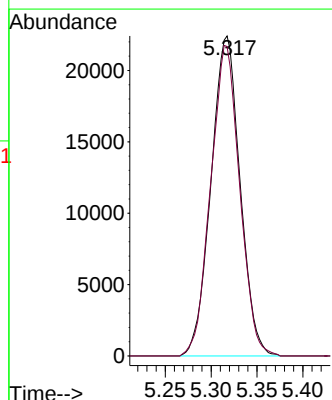
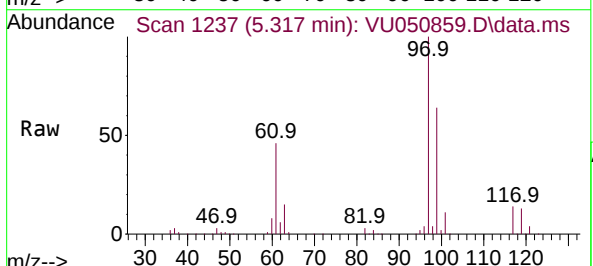
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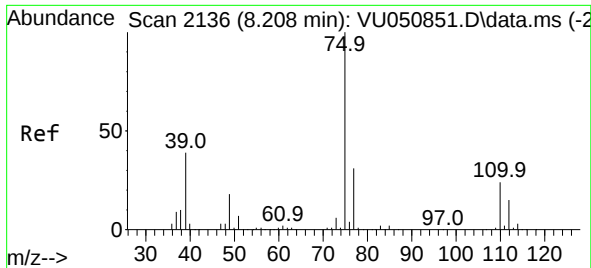
Tgt Ion: 117 Resp: 49330

Ion Ratio Lower Upper

117 100

119 96.9 76.0 114.0

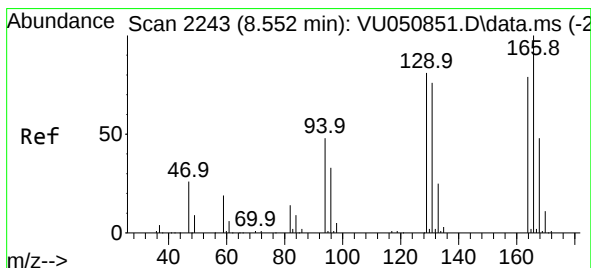
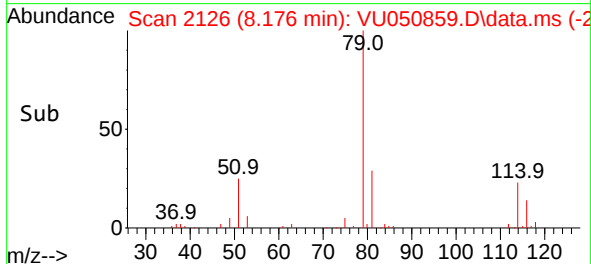
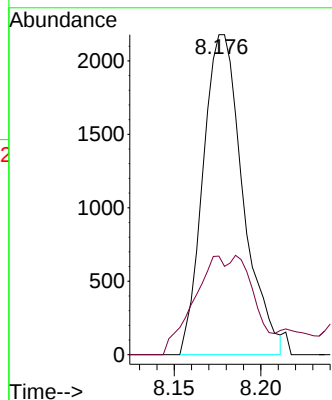
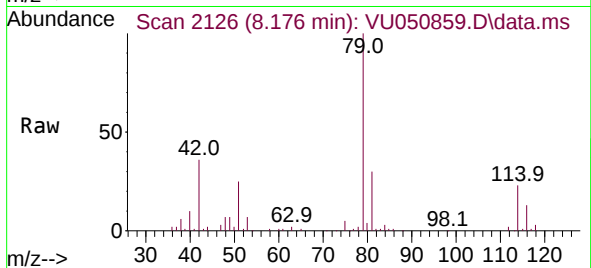




#44
trans-1,3-Dichloropropene
Concen: 0.714 ug/L
RT: 8.176 min Scan# 2136
Delta R.T. -0.032 min
Lab File: VU050859.D
Acq: 21 Sep 2022 02:38

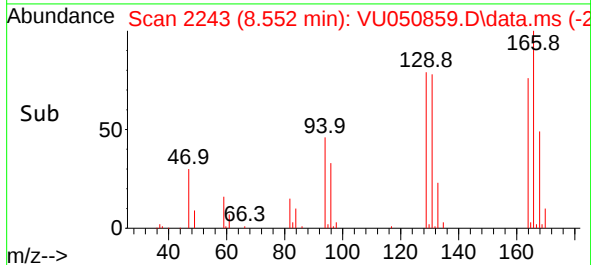
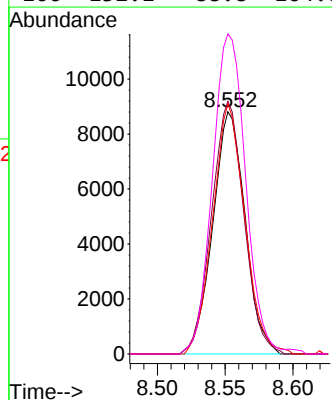
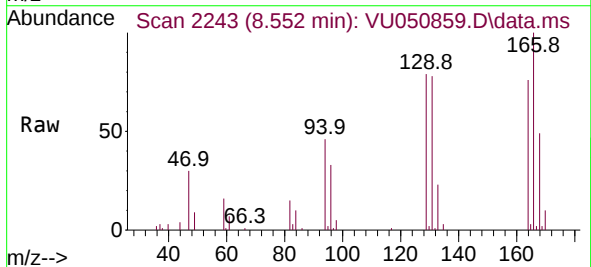
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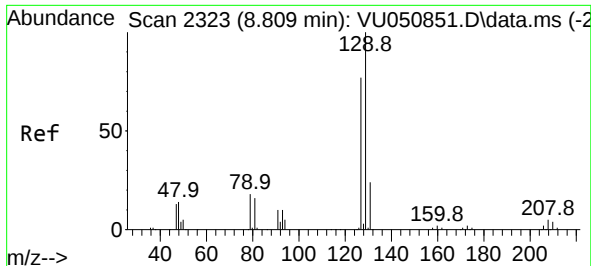
Tgt Ion: 75 Resp: 3494
Ion Ratio Lower Upper
75 100
77 30.8 21.9 40.7



#46
Tetrachloroethene
Concen: 6.225 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU050859.D
Acq: 21 Sep 2022 02:38

Tgt Ion: 164 Resp: 14590
Ion Ratio Lower Upper
164 100
129 104.3 68.5 127.3
131 103.3 66.1 122.7
166 132.1 88.8 164.8





#49

Dibromochloromethane

Concen: 4.409 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU050859.D

Acq: 21 Sep 2022 02:38

Instrument :

MSVOA_U

ClientSampleId :

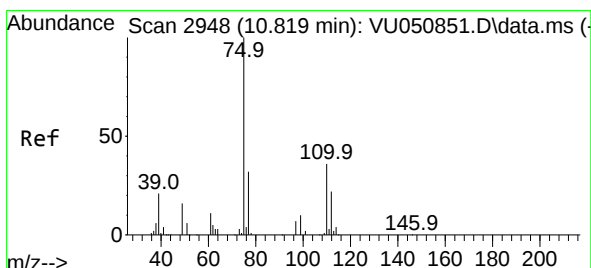
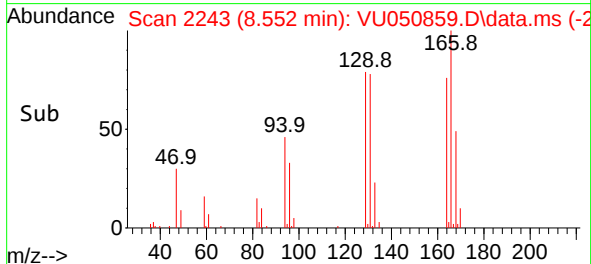
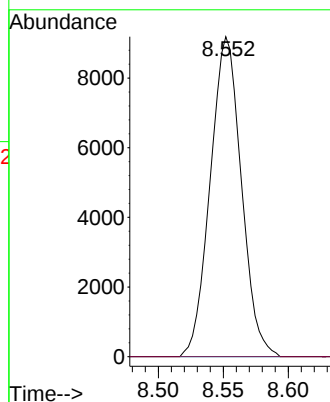
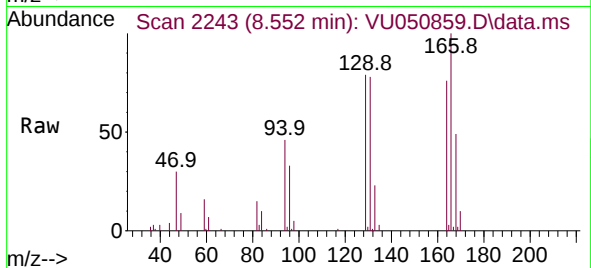
EXZ36

Tgt Ion:129 Resp: 15308

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#60

1,2,3-Trichloropropane

Concen: 4.414 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.993 min

Lab File: VU050859.D

Acq: 21 Sep 2022 02:38

Tgt Ion: 75 Resp: 17496

Ion Ratio Lower Upper

75 100

77 28.7 26.2 39.4

110 2.4 28.6 43.0#

