

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050891.D
 Acq On : 22 Sep 2022 12:09
 Operator : JC/MD
 Sample : N4650-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ06

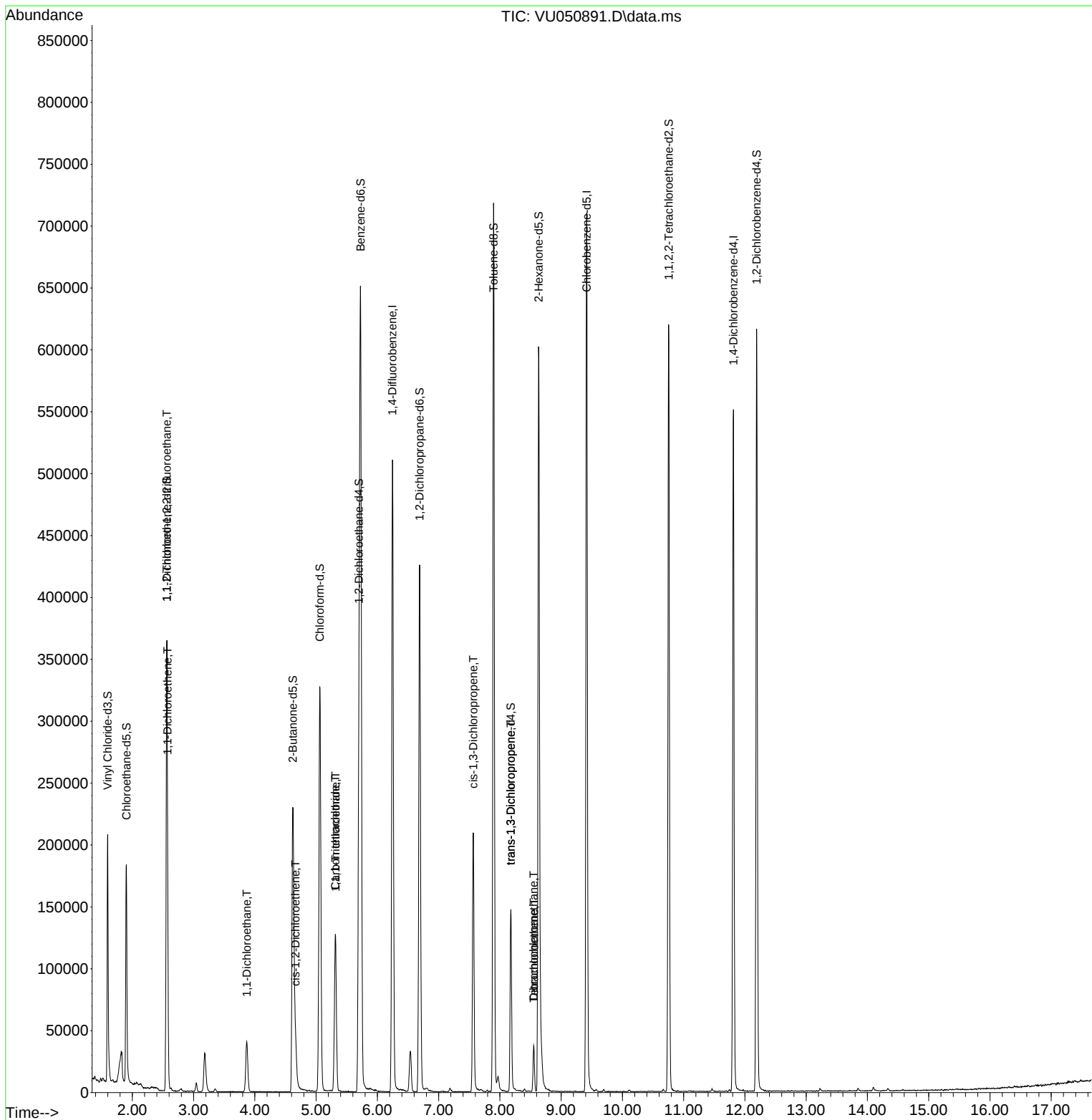
Quant Time: Sep 23 01:09:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

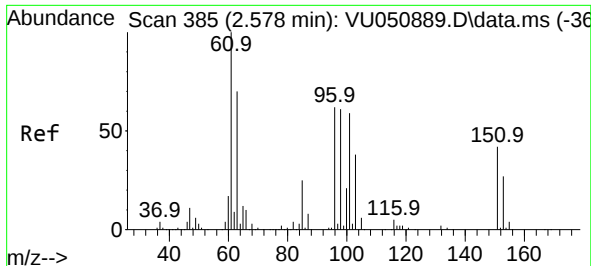
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	402847	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	388107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	141929	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	155877	37.347	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.700%		
7) Chloroethane-d5	1.903	69	136138	45.799	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.600%		
11) 1,1-Dichloroethene-d2	2.562	63	207405	31.936	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.880%		
21) 2-Butanone-d5	4.620	46	315574	117.115	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	117.110%		
24) Chloroform-d	5.060	84	309949	47.387	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.780%		
26) 1,2-Dichloroethane-d4	5.700	65	200085	49.637	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.280%		
32) Benzene-d6	5.726	84	596041	46.626	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.260%		
36) 1,2-Dichloropropane-d6	6.690	67	210579	48.802	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.600%		
41) Toluene-d8	7.896	98	474643	42.476	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.960%		
43) trans-1,3-Dichloroprop...	8.179	79	81850	43.604	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.200%		
47) 2-Hexanone-d5	8.632	63	184263	103.623	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.620%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	316766	48.151	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.300%		
66) 1,2-Dichlorobenzene-d4	12.192	152	158124	53.211	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.420%		
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1891	0.574	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	15794	5.100	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	47454	7.399	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	12440	3.535	ug/L	92
30) 1,1,1-Trichloroethane	5.317	97	90676	17.562	ug/L	99
31) Carbon tetrachloride	5.314	117	11873	2.768	ug/L	97
39) cis-1,3-Dichloropropene	7.565	75	5055	0.967	ug/L #	80
44) trans-1,3-Dichloropropene	8.179	75	3411	0.686	ug/L #	82
46) Tetrachloroethene	8.555	164	8246	3.459	ug/L	95
49) Dibromochloromethane	8.552	129	8281	2.345	ug/L #	10

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

Quant Time: Sep 23 01:09:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 23 01:08:30 2022
Response via : Initial Calibration





#10

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

Concen: 0.574 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.016 min

Lab File: VU050891.D

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EXZ06

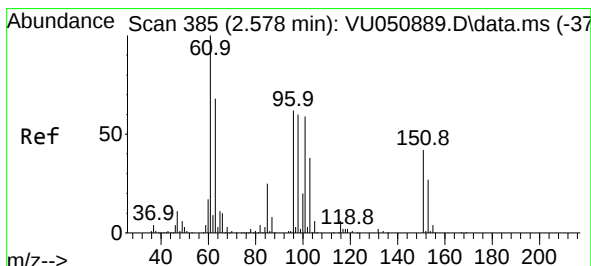
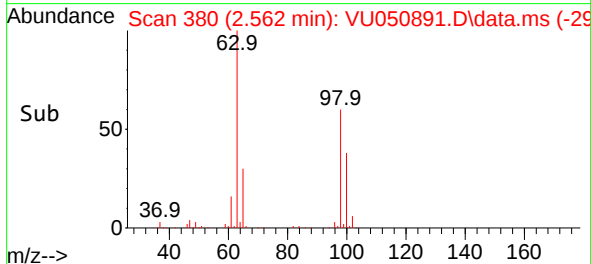
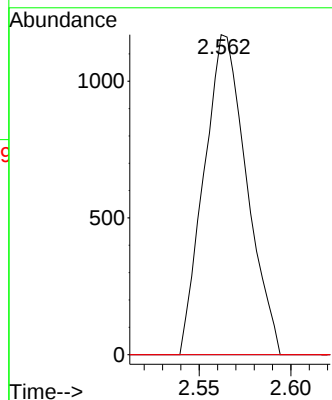
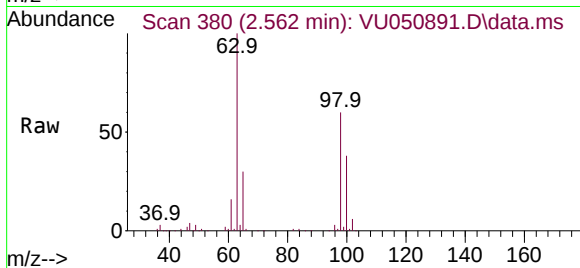
Tgt Ion:101 Resp: 1891

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: 5.100 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU050891.D

Acq: 22 Sep 2022 12:09

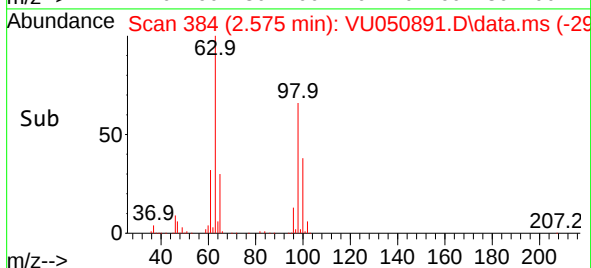
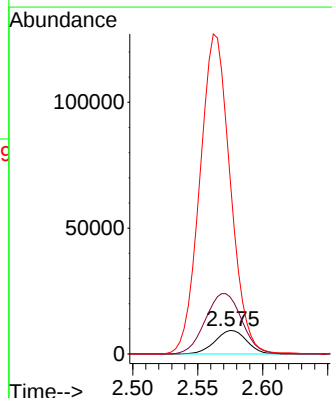
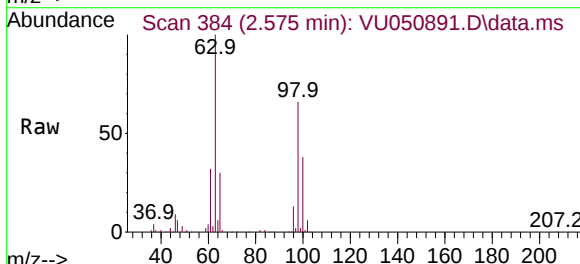
Tgt Ion: 96 Resp: 15794

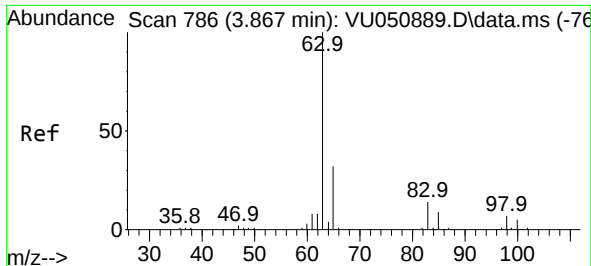
Ion Ratio Lower Upper

96 100

61 242.6 118.6 220.2#

63 749.2 90.4 168.0#





#19

1,1-Dichloroethane

Concen: 7.399 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU050891.D

Acq: 22 Sep 2022 12:09

Instrument :

MSVOA_U

ClientSampleId :

EXZ06

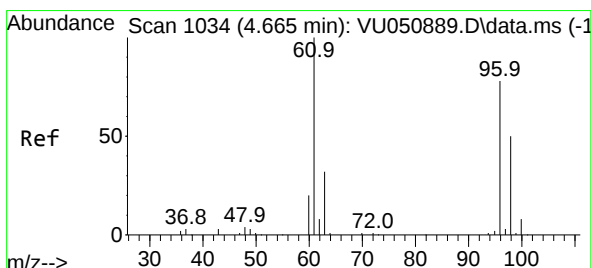
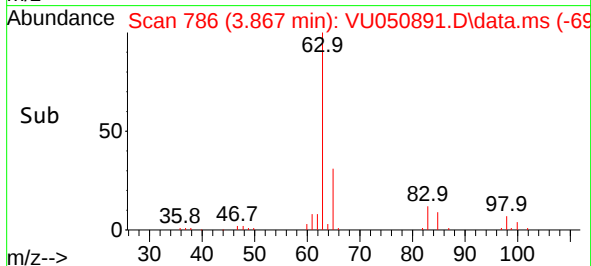
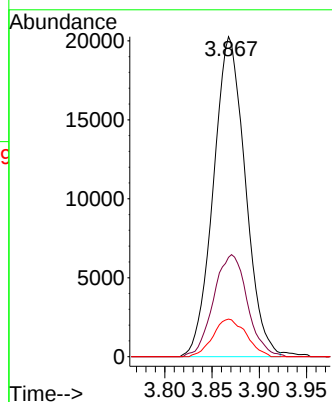
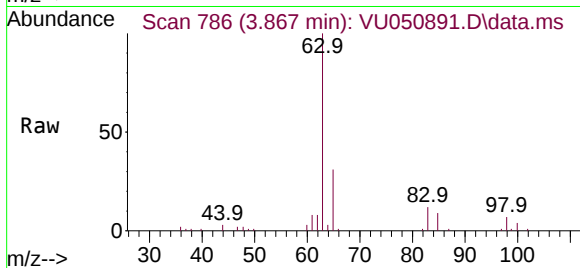
Tgt Ion: 63 Resp: 47454

Ion Ratio Lower Upper

63 100

65 31.0 21.5 39.9

83 11.8 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 3.535 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050891.D

Acq: 22 Sep 2022 12:09

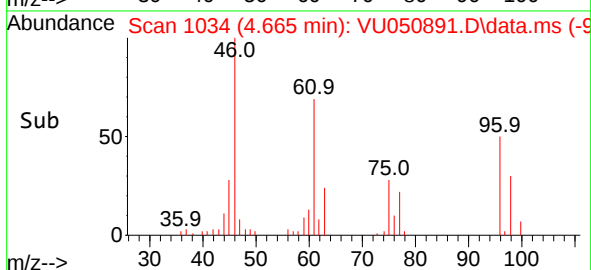
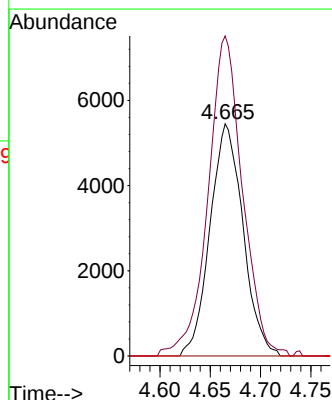
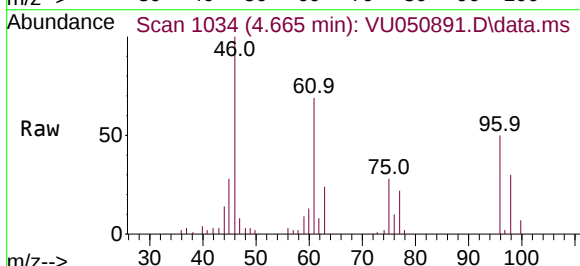
Tgt Ion: 96 Resp: 12440

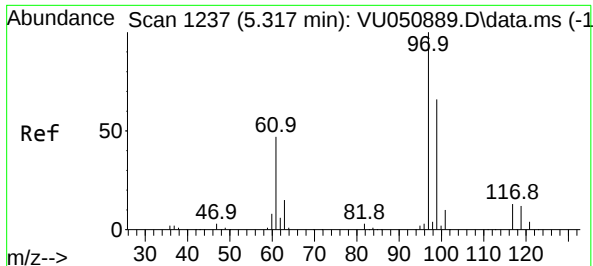
Ion Ratio Lower Upper

96 100

61 137.8 90.1 167.3

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 17.562 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU050891.D

Acq: 22 Sep 2022 12:09

Instrument :

MSVOA_U

ClientSampleId :

EXZ06

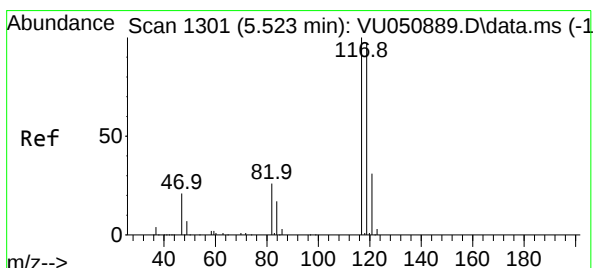
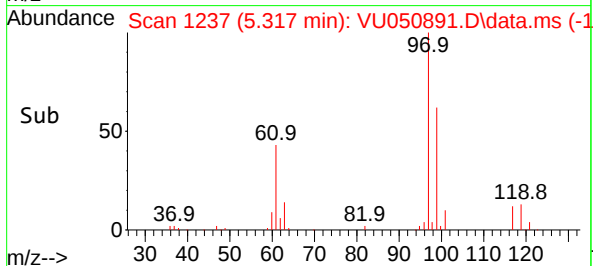
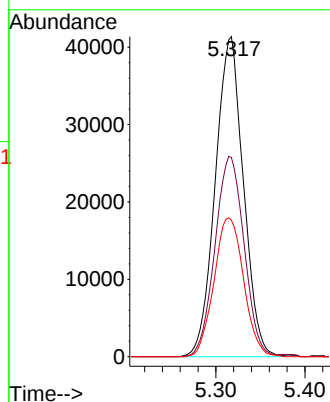
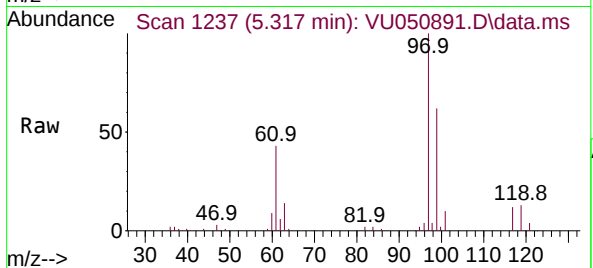
Tgt Ion: 97 Resp: 90676

Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.2

61 45.7 37.1 55.7



#31

Carbon tetrachloride

Concen: 2.768 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.209 min

Lab File: VU050891.D

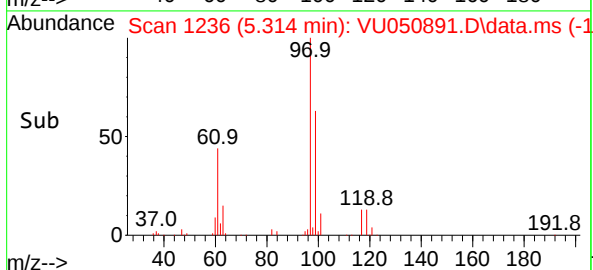
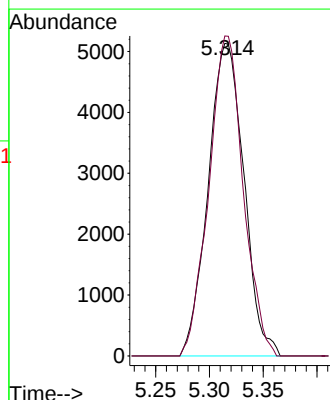
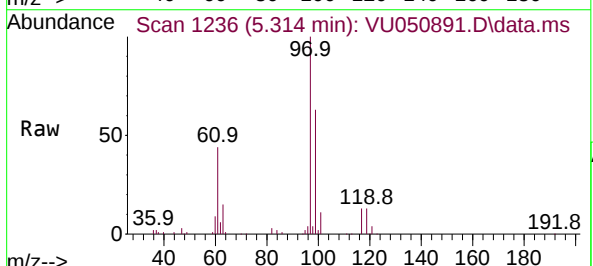
Acq: 22 Sep 2022 12:09

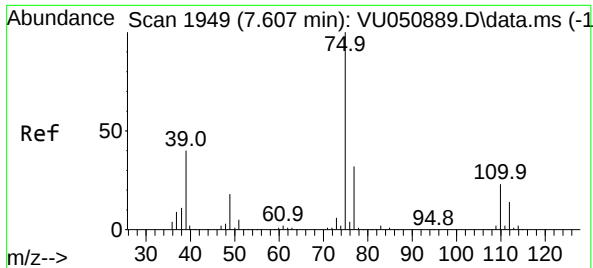
Tgt Ion: 117 Resp: 11873

Ion Ratio Lower Upper

117 100

119 98.3 76.0 114.0





#39

cis-1,3-Dichloropropene

Concen: 0.967 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050891.D

Acq: 22 Sep 2022 12:09

Instrument :

MSVOA_U

ClientSampleId :

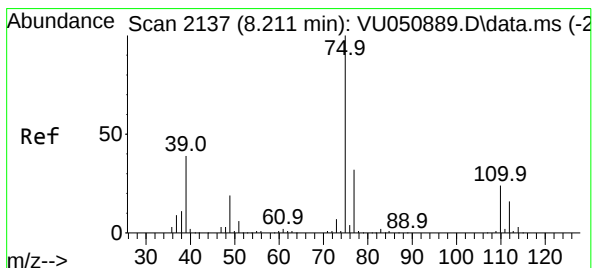
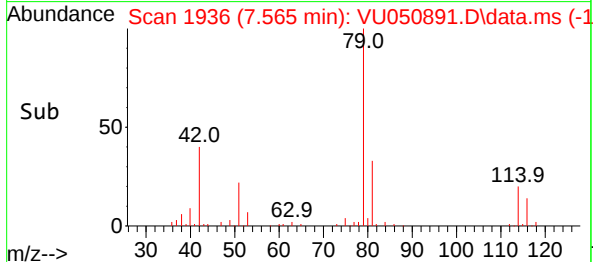
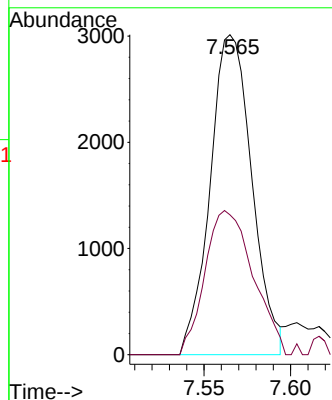
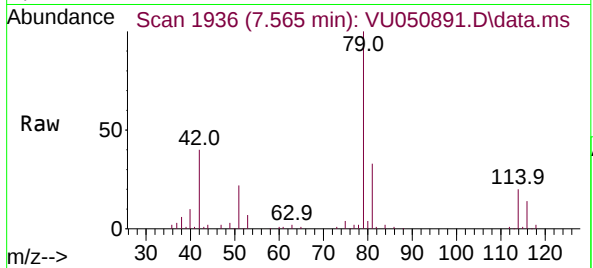
EXZ06

Tgt Ion: 75 Resp: 5055

Ion Ratio Lower Upper

75 100

77 43.7 22.8 42.4#



#44

trans-1,3-Dichloropropene

Concen: 0.686 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU050891.D

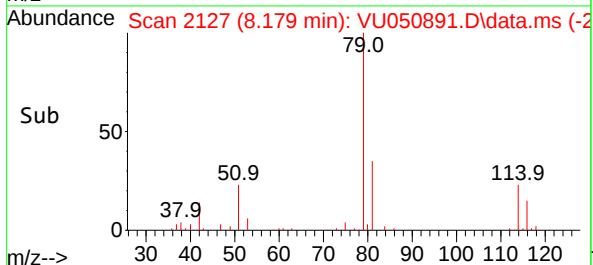
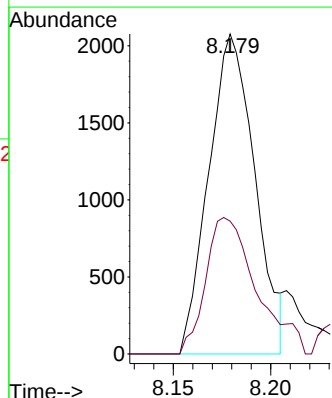
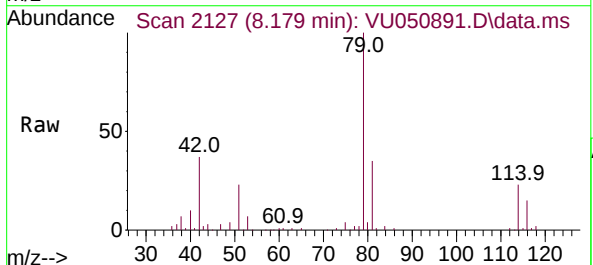
Acq: 22 Sep 2022 12:09

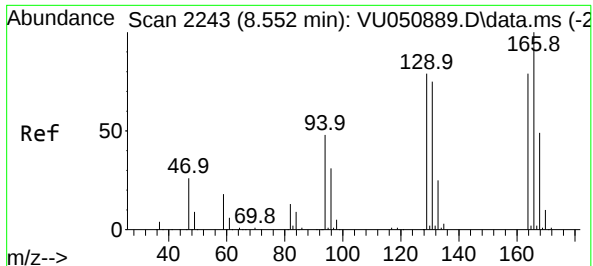
Tgt Ion: 75 Resp: 3411

Ion Ratio Lower Upper

75 100

77 41.5 21.9 40.7#





#46

Tetrachloroethene

Concen: 3.459 ug/L

RT: 8.555 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU050891.D

Acq: 22 Sep 2022 12:09

Instrument :

MSVOA_U

ClientSampleId :

EXZ06

Tgt Ion:164 Resp: 8246

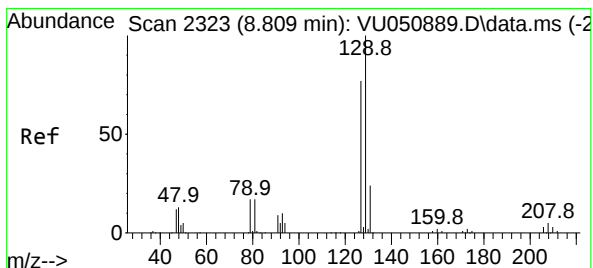
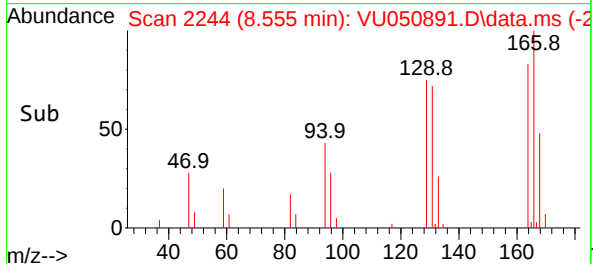
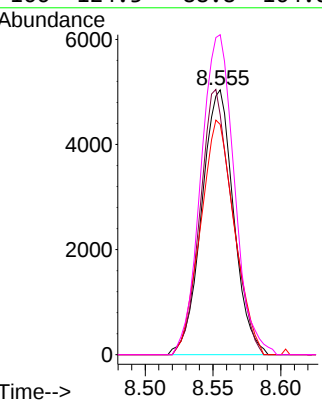
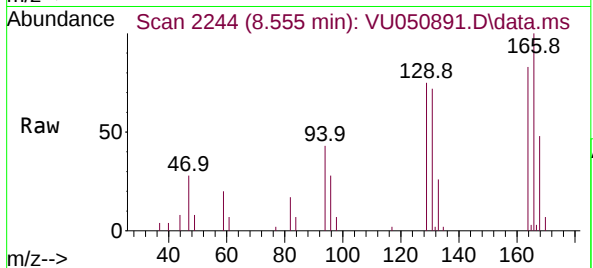
Ion Ratio Lower Upper

164 100

129 90.6 68.5 127.3

131 87.0 66.1 122.7

166 124.3 88.8 164.8



#49

Dibromochloromethane

Concen: 2.345 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.257 min

Lab File: VU050891.D

Acq: 22 Sep 2022 12:09

Tgt Ion:129 Resp: 8281

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#

