

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092122\
 Data File : VU050885.D
 Acq On : 21 Sep 2022 19:11
 Operator : JC/MD
 Sample : N4650-20DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ37DL

Quant Time: Sep 22 02:15:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 02:11:06 2022
 Response via : Initial Calibration

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

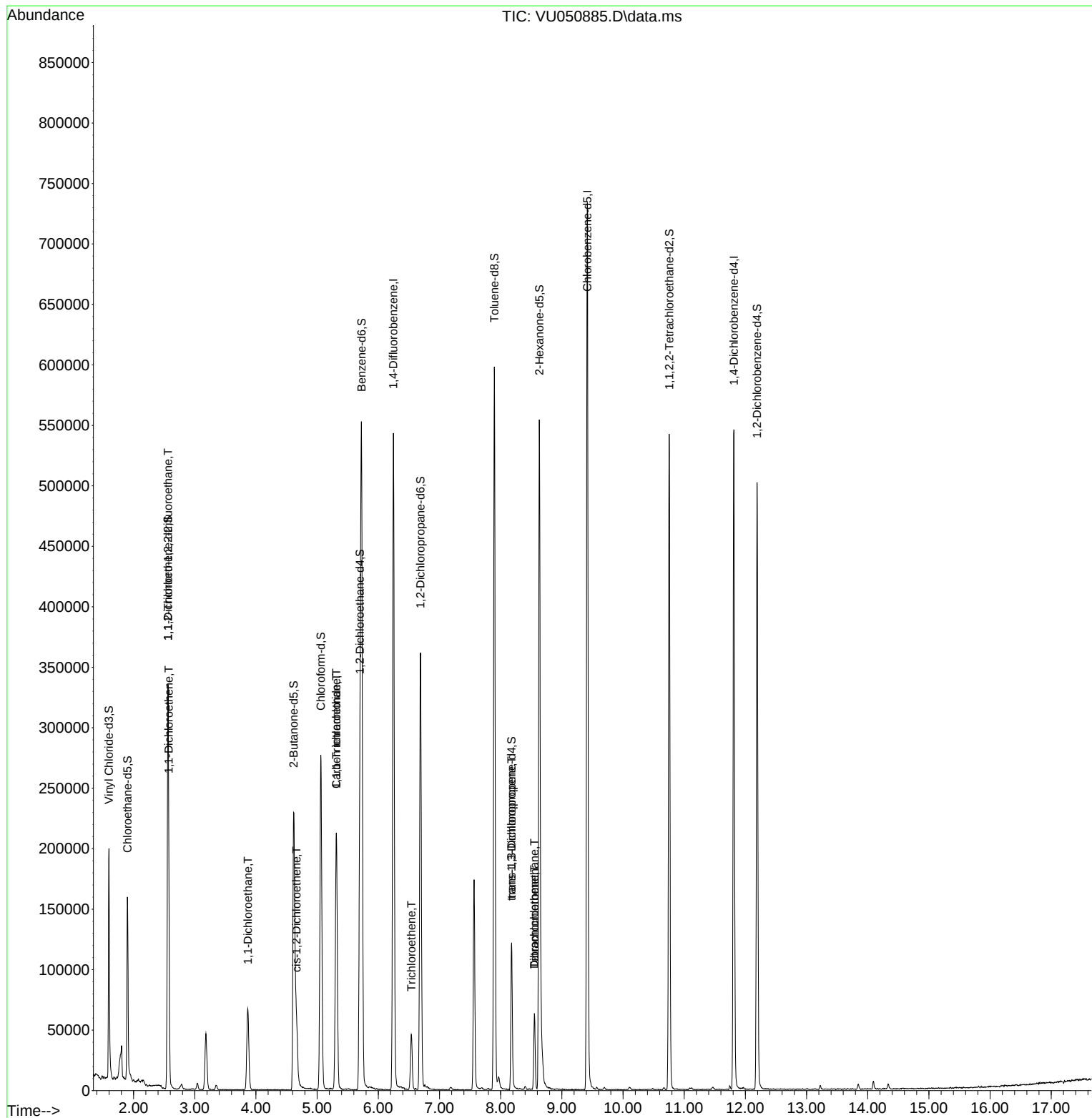
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	424125	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	400930	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	144262	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	143780	32.720	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	65.440%		
7) Chloroethane-d5	1.899	69	117645	37.592	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.180%		
11) 1,1-Dichloroethene-d2	2.562	63	190295	27.831	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	55.660%#		
21) 2-Butanone-d5	4.616	46	301502	106.279	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.280%		
24) Chloroform-d	5.060	84	257584	37.405	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	74.820%		
26) 1,2-Dichloroethane-d4	5.700	65	170101	40.082	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.160%		
32) Benzene-d6	5.726	84	506685	38.368	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.740%		
36) 1,2-Dichloropropane-d6	6.690	67	179426	40.252	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	80.500%		
41) Toluene-d8	7.896	98	396363	34.337	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	68.680%#		
43) trans-1,3-Dichloroprop...	8.179	79	68160	35.149	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.300%		
47) 2-Hexanone-d5	8.632	63	175507	95.542	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.540%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	277740	40.868	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.740%		
66) 1,2-Dichlorobenzene-d4	12.192	152	129692	42.937	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.880%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	2203	0.635	ug/L #	31
12) 1,1-Dichloroethene	2.575	96	23837	7.311	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	79921	11.835	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	21716	5.861	ug/L	93
30) 1,1,1-Trichloroethane	5.314	97	153260	28.733	ug/L	98
31) Carbon tetrachloride	5.314	117	20587	4.646	ug/L	99
34) Trichloroethene	6.542	95	15571	4.543	ug/L	95
44) trans-1,3-Dichloropropene	8.176	75	3408	0.663	ug/L	83
46) Tetrachloroethene	8.552	164	13717	5.569	ug/L	97
49) Dibromochloromethane	8.552	129	14057	3.853	ug/L #	10

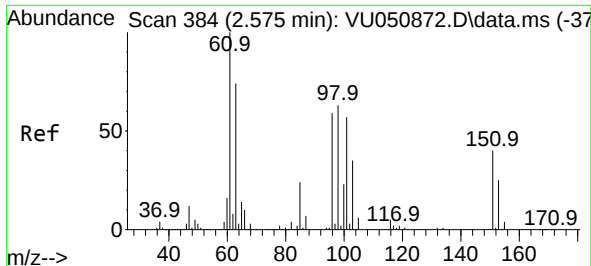
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 22 02:11:06 2022
Response via : Initial Calibration





#10

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

Concen: 0.635 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.013 min

Lab File: VU050885.D

Acq: 21 Sep 2022 19:11

Instrument :

MSVOA_U

ClientSampleId :

EXZ37DL

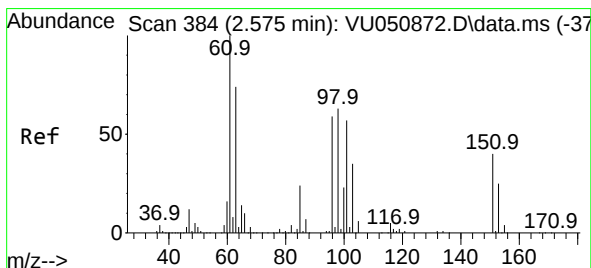
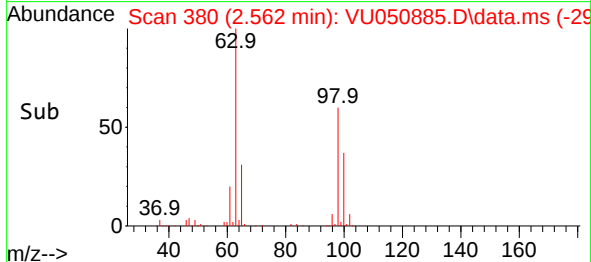
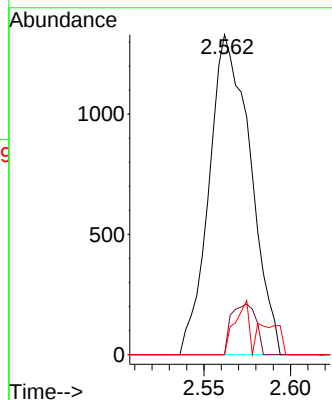
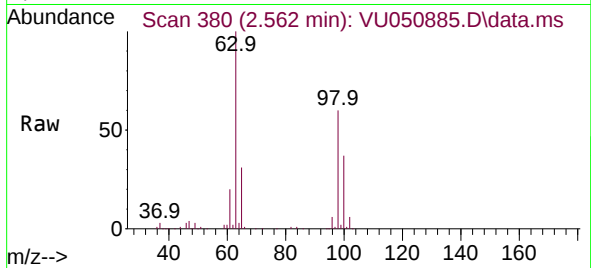
Tgt Ion:101 Resp: 2203

Ion Ratio Lower Upper

101 100

85 9.4 35.1 52.7#

151 5.7 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 7.311 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU050885.D

Acq: 21 Sep 2022 19:11

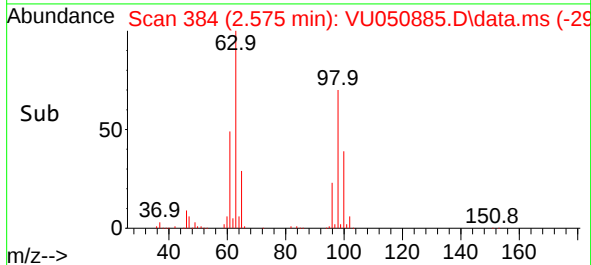
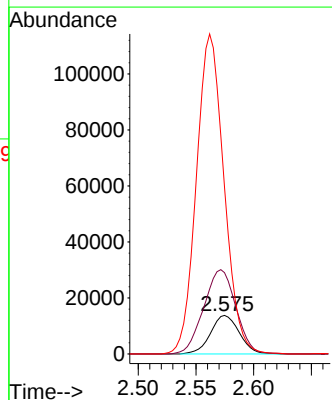
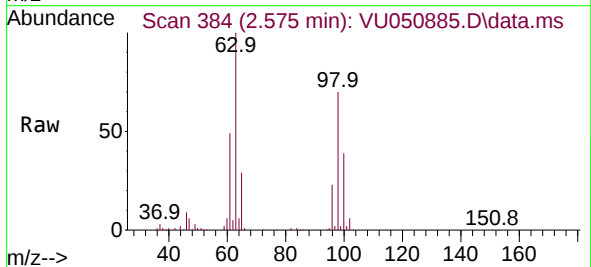
Tgt Ion: 96 Resp: 23837

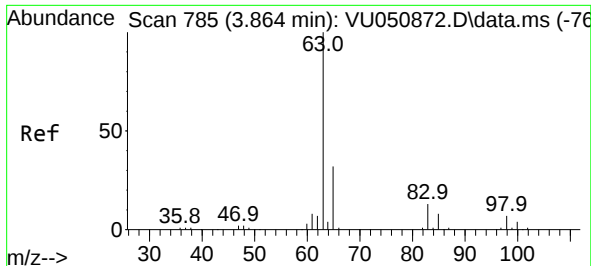
Ion Ratio Lower Upper

96 100

61 210.8 118.6 220.2

63 432.2 90.4 168.0#





#19

1,1-Dichloroethane

Concen: 11.835 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU050885.D

Acq: 21 Sep 2022 19:11

Instrument :

MSVOA_U

ClientSampleId :

EXZ37DL

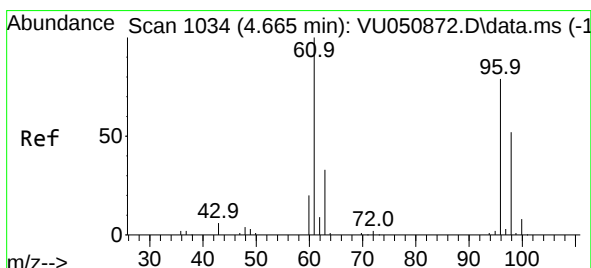
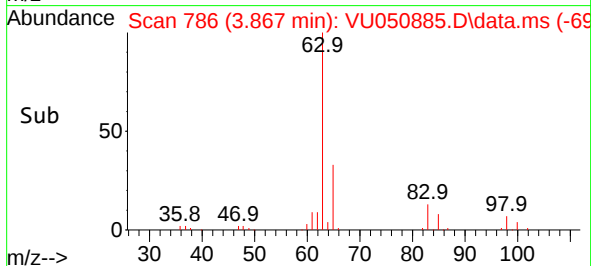
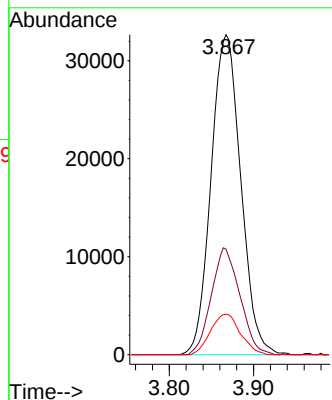
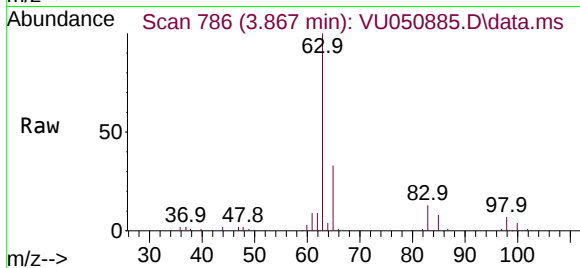
Tgt Ion: 63 Resp: 79921

Ion Ratio Lower Upper

63 100

65 33.0 21.5 39.9

83 12.6 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 5.861 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050885.D

Acq: 21 Sep 2022 19:11

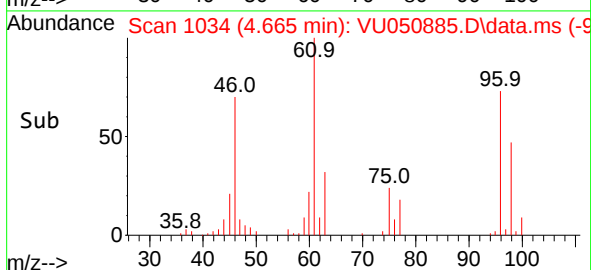
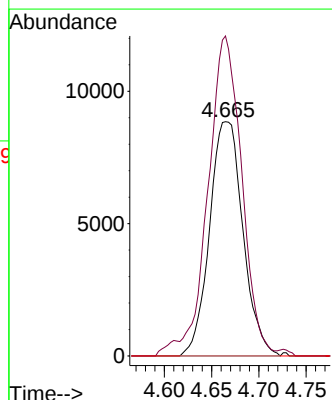
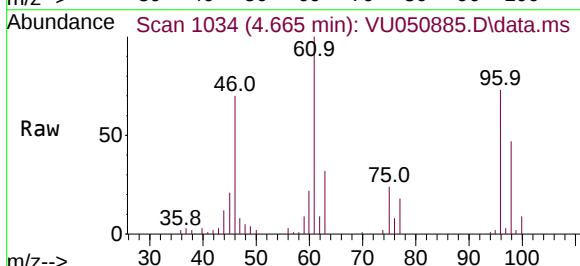
Tgt Ion: 96 Resp: 21716

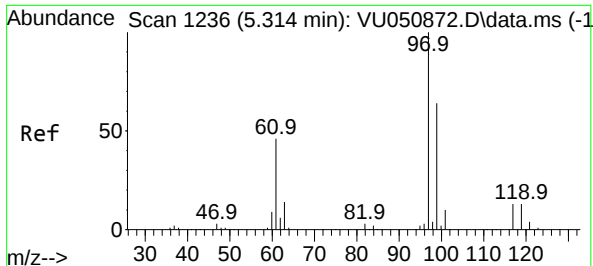
Ion Ratio Lower Upper

96 100

61 136.6 90.1 167.3

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 28.733 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050885.D

Acq: 21 Sep 2022 19:11

Instrument :

MSVOA_U

ClientSampleId :

EXZ37DL

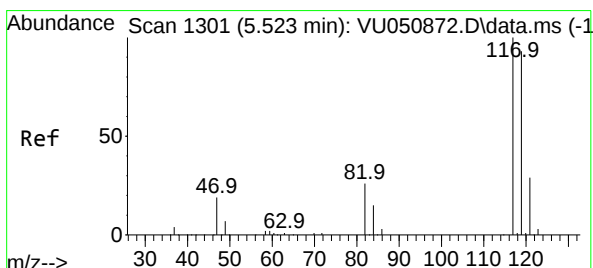
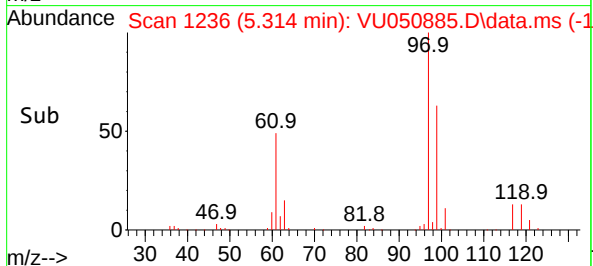
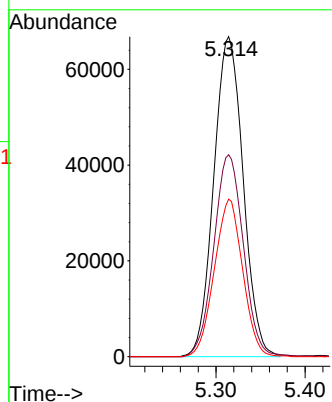
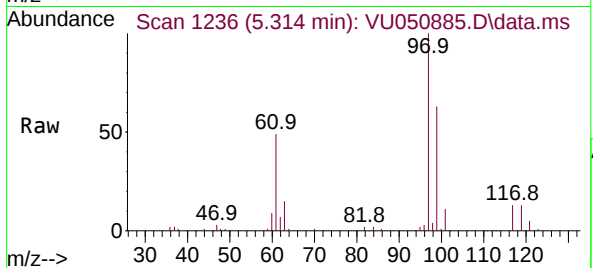
Tgt Ion: 97 Resp: 153260

Ion Ratio Lower Upper

97 100

99 63.6 52.2 78.2

61 47.4 37.1 55.7



#31

Carbon tetrachloride

Concen: 4.646 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.209 min

Lab File: VU050885.D

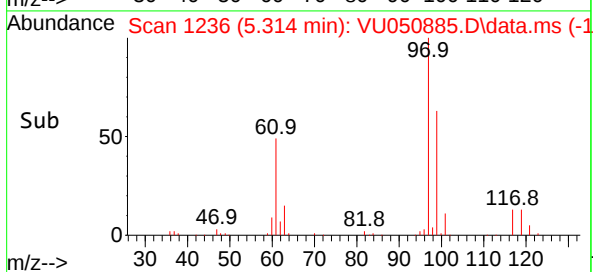
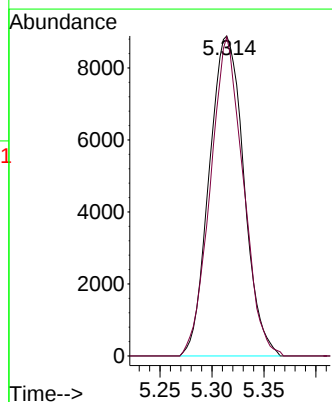
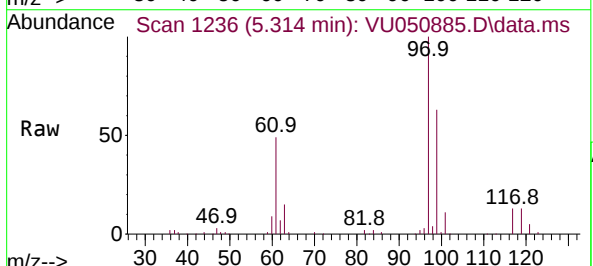
Acq: 21 Sep 2022 19:11

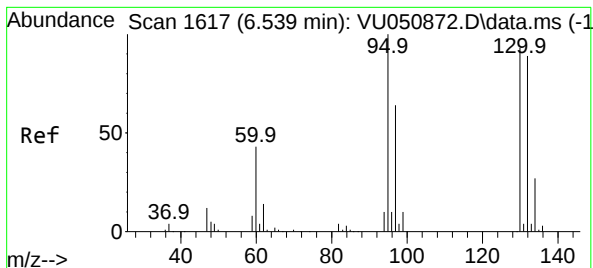
Tgt Ion: 117 Resp: 20587

Ion Ratio Lower Upper

117 100

119 94.2 76.0 114.0





#34

Trichloroethene

Concen: 4.543 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050885.D

Acq: 21 Sep 2022 19:11

Instrument :

MSVOA_U

ClientSampleId :

EXZ37DL

Tgt Ion: 95 Resp: 15571

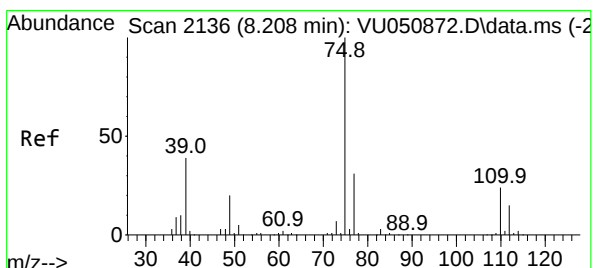
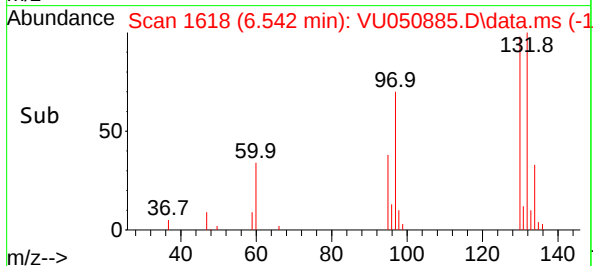
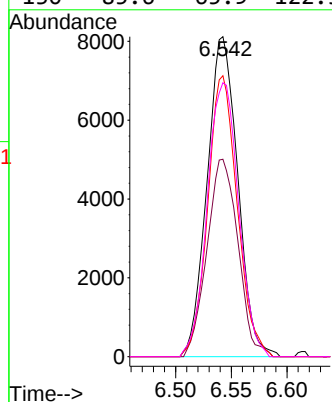
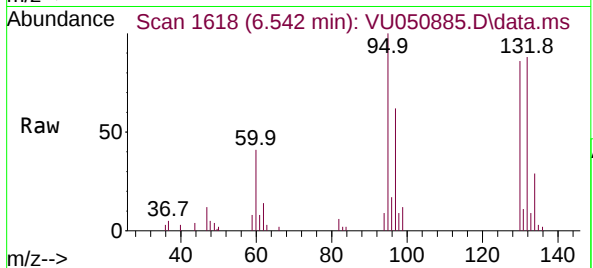
Ion Ratio Lower Upper

95 100

97 61.7 43.9 81.5

132 87.8 63.1 117.1

130 85.6 65.9 122.3



#44

trans-1,3-Dichloropropene

Concen: 0.663 ug/L

RT: 8.176 min Scan# 2126

Delta R.T. -0.032 min

Lab File: VU050885.D

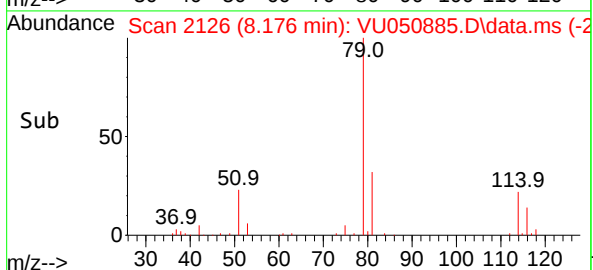
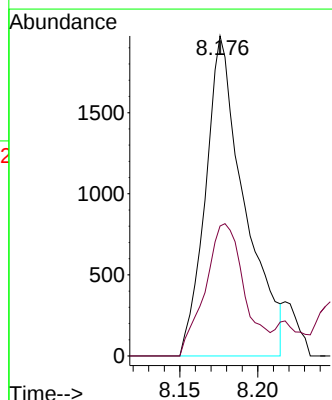
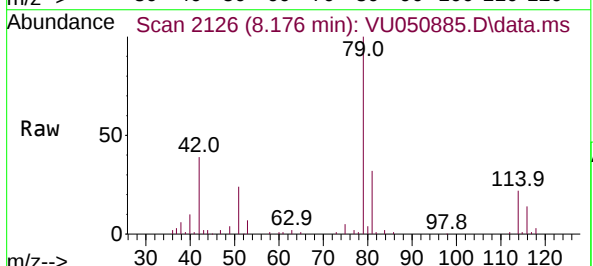
Acq: 21 Sep 2022 19:11

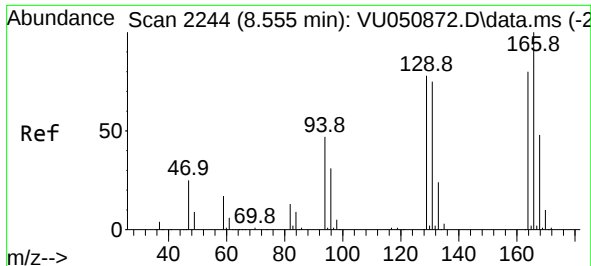
Tgt Ion: 75 Resp: 3408

Ion Ratio Lower Upper

75 100

77 40.6 21.9 40.7

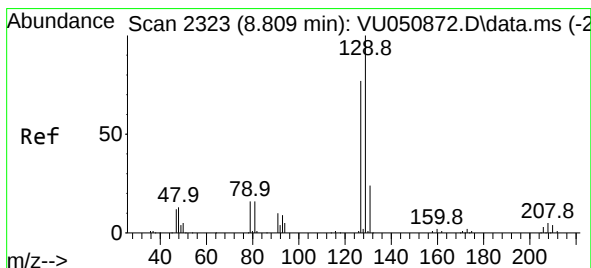
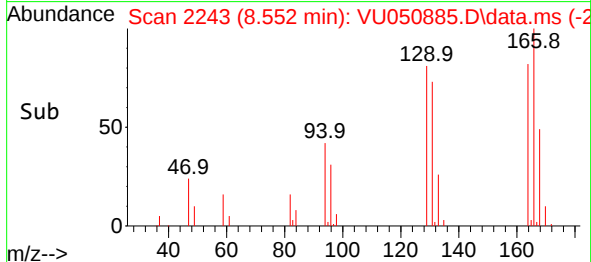
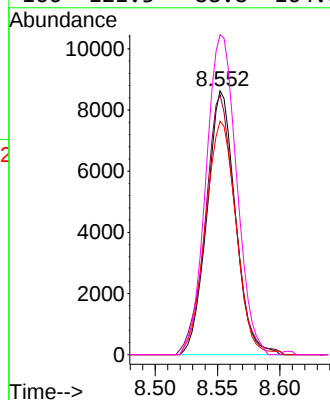
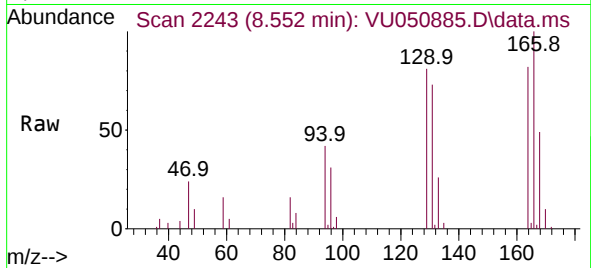




#46
Tetrachloroethene
Concen: 5.569 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050885.D
Acq: 21 Sep 2022 19:11

Instrument :
MSVOA_U
ClientSampleId :
EXZ37DL

Tgt Ion:164	Resp:	13717
Ion Ratio	Lower	Upper
164	100	
129	98.5	68.5 127.3
131	90.5	66.1 122.7
166	121.3	88.8 164.8



#49
Dibromochloromethane
Concen: 3.853 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU050885.D
Acq: 21 Sep 2022 19:11

Tgt Ion:129	Resp:	14057
Ion Ratio	Lower	Upper
129	100	
127	0.0	54.5 101.1#

