

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050903.D
 Acq On : 22 Sep 2022 17:14
 Operator : JC/MD
 Sample : N4650-17DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ12DL

Quant Time: Sep 23 01:12:17 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)

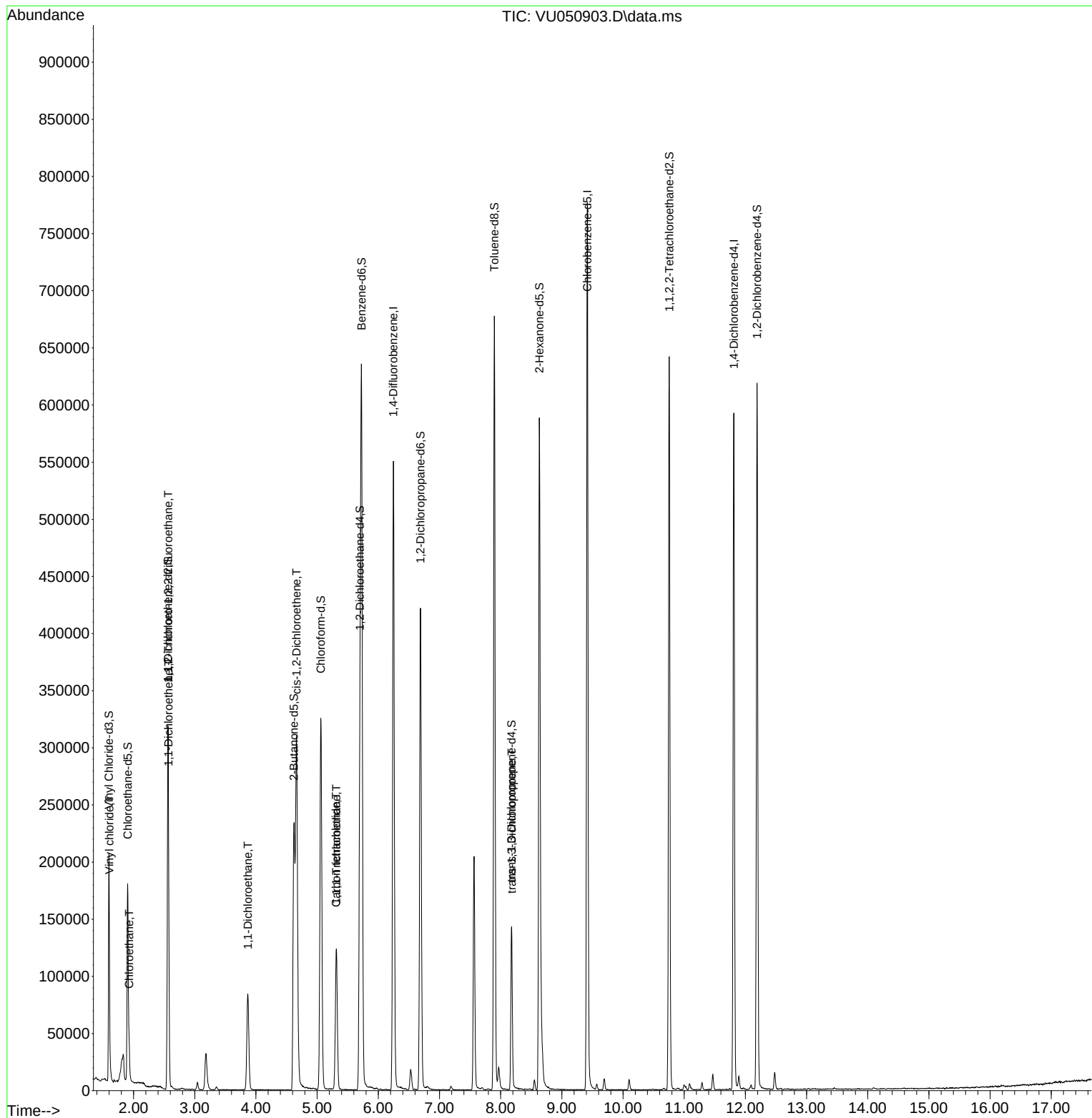
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	428898	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	421859	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	154104	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	144768	32.579	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	65.160%		
7) Chloroethane-d5	1.903	69	129199	40.824	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.640%		
11) 1,1-Dichloroethene-d2	2.562	63	185463	26.823	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.640%#		
21) 2-Butanone-d5	4.620	46	314760	109.717	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.720%		
24) Chloroform-d	5.060	84	305911	43.929	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.860%		
26) 1,2-Dichloroethane-d4	5.700	65	200384	46.692	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.380%		
32) Benzene-d6	5.726	84	578218	41.613	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.220%		
36) 1,2-Dichloropropane-d6	6.690	67	207944	44.335	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.680%		
41) Toluene-d8	7.896	98	453806	37.362	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.720%#		
43) trans-1,3-Dichloroprop...	8.179	79	79123	38.778	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.560%		
47) 2-Hexanone-d5	8.632	63	181086	93.689	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.690%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	323918	45.298	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.600%		
66) 1,2-Dichlorobenzene-d4	12.192	152	159718	49.501	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.000%		
Target Compounds						
5) Vinyl chloride	1.604	62	8665	1.714	ug/L #	66
8) Chloroethane	1.925	64	18984	6.784	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1587	0.452	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	3412	1.035	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	96643	14.152	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	151355	40.392	ug/L	96
30) 1,1,1-Trichloroethane	5.314	97	89188	15.891	ug/L	99
31) Carbon tetrachloride	5.311	117	11233	2.409	ug/L	96
44) trans-1,3-Dichloropropene	8.182	75	3541	0.655	ug/L	87

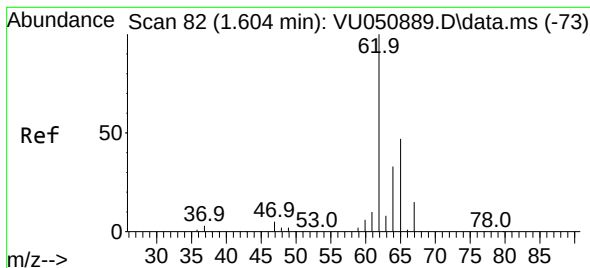
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.714 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050903.D

Acq: 22 Sep 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

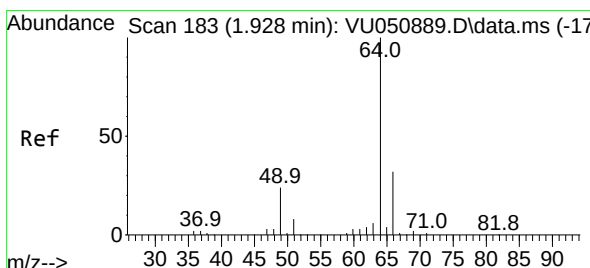
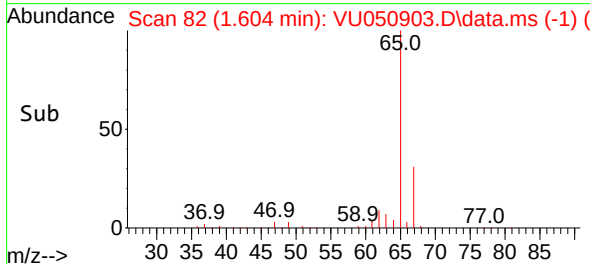
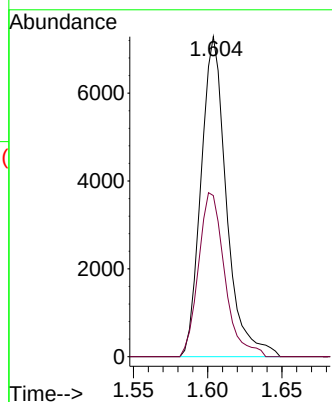
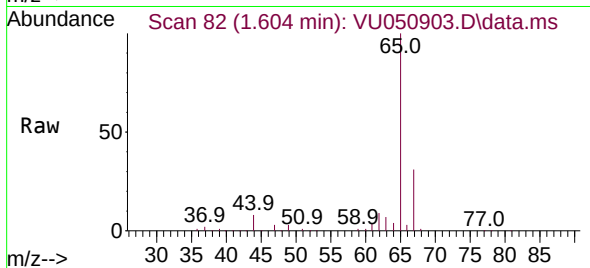
EXZ12DL

Tgt Ion: 62 Resp: 8665

Ion Ratio Lower Upper

62 100

64 50.4 22.2 41.2#



#8

Chloroethane

Concen: 6.784 ug/L

RT: 1.925 min Scan# 182

Delta R.T. -0.003 min

Lab File: VU050903.D

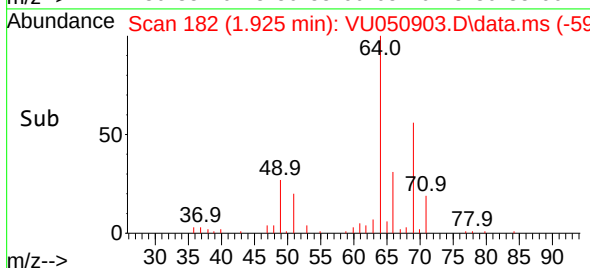
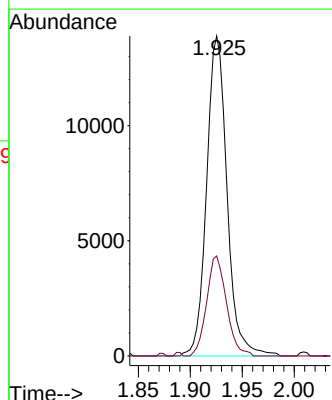
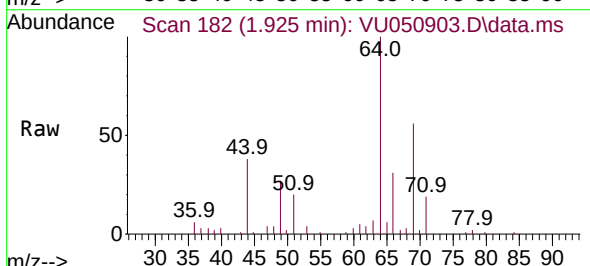
Acq: 22 Sep 2022 17:14

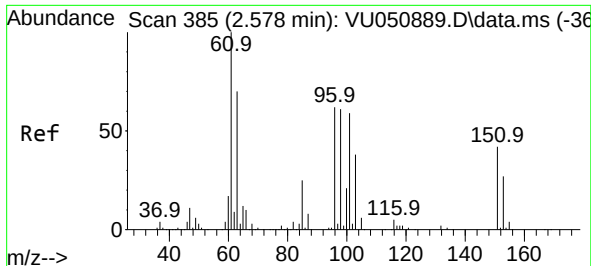
Tgt Ion: 64 Resp: 18984

Ion Ratio Lower Upper

64 100

66 31.2 22.9 42.5





#10

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

Concen: 0.452 ug/L

RT: 2.565 min Scan# 31

Delta R.T. -0.013 min

Lab File: VU050903.D

Acq: 22 Sep 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

EXZ12DL

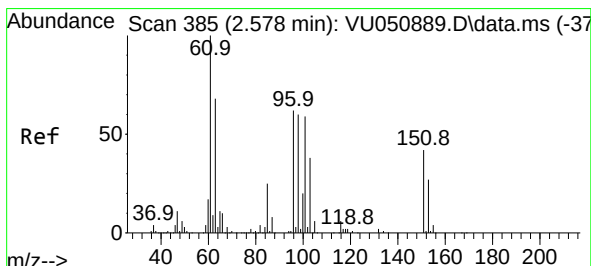
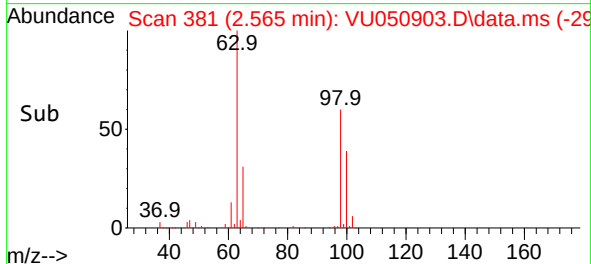
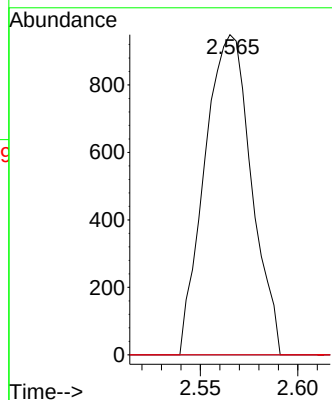
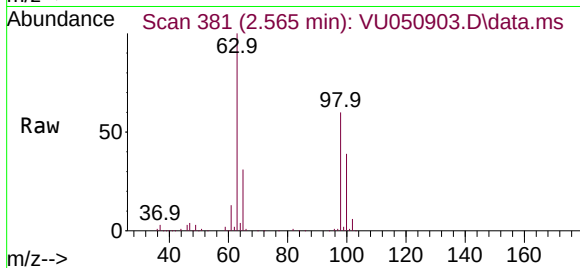
Tgt Ion:101 Resp: 1587

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: 1.035 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.006 min

Lab File: VU050903.D

Acq: 22 Sep 2022 17:14

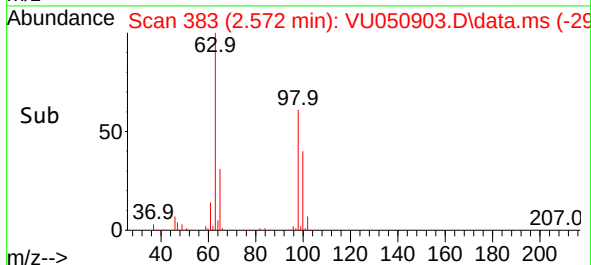
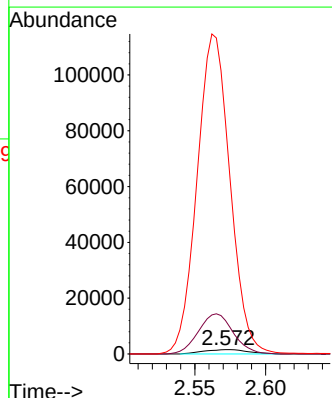
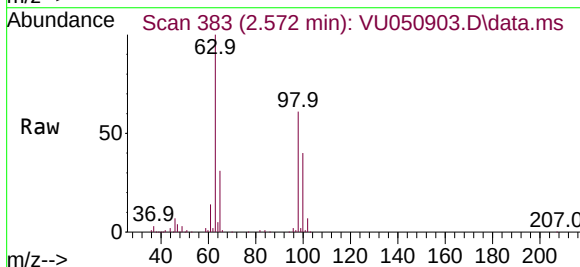
Tgt Ion: 96 Resp: 3412

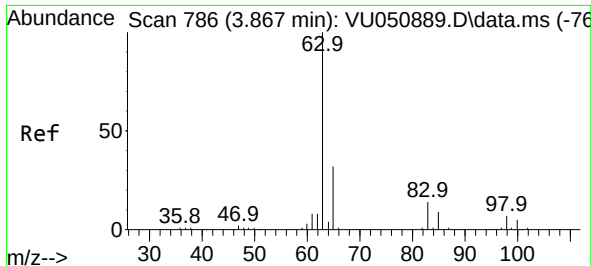
Ion Ratio Lower Upper

96 100

61 767.4 118.6 220.2#

63 5325.8 90.4 168.0#





#19

1,1-Dichloroethane

Concen: 14.152 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050903.D

Acq: 22 Sep 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

EXZ12DL

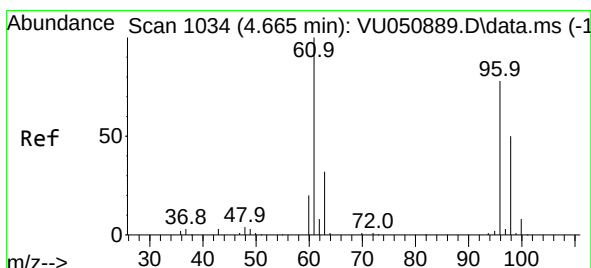
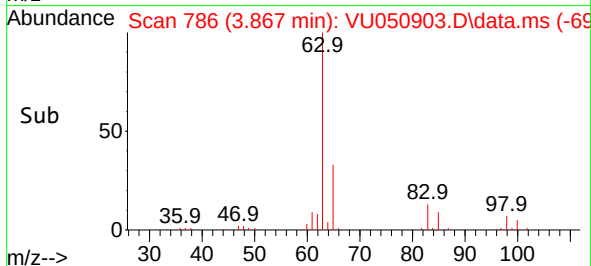
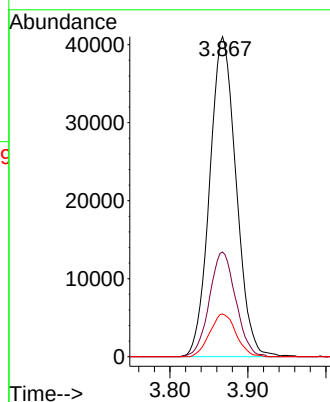
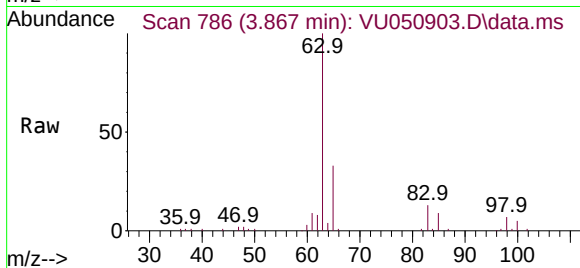
Tgt Ion: 63 Resp: 96643

Ion Ratio Lower Upper

63 100

65 32.7 21.5 39.9

83 13.4 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 40.392 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050903.D

Acq: 22 Sep 2022 17:14

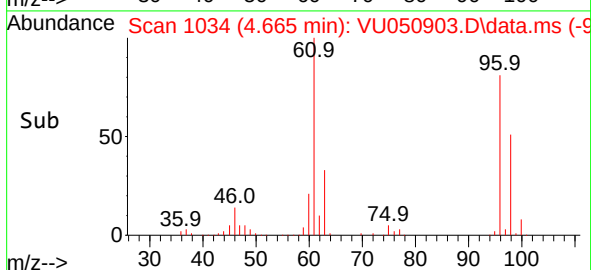
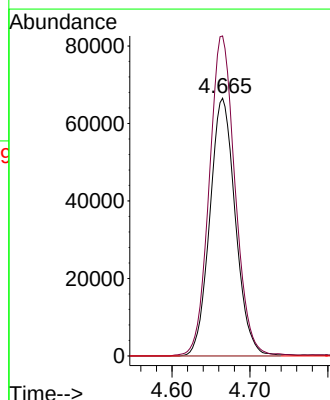
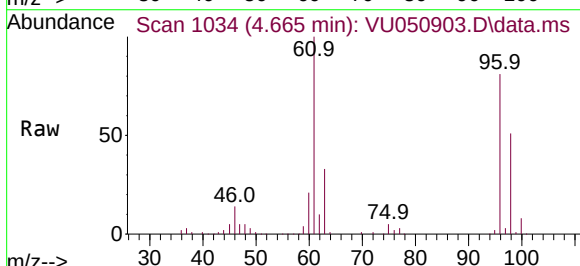
Tgt Ion: 96 Resp: 151355

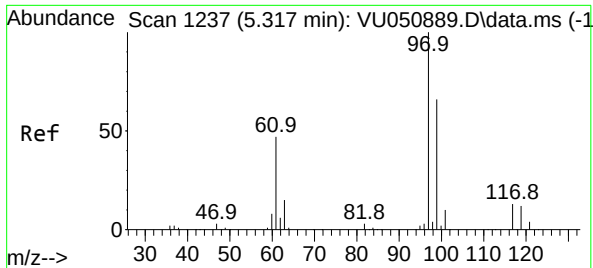
Ion Ratio Lower Upper

96 100

61 124.1 90.1 167.3

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 15.891 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU050903.D

Acq: 22 Sep 2022 17:14

Instrument :

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ClientSampleId :

EXZ12DL

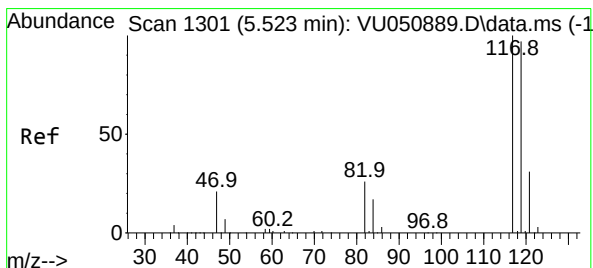
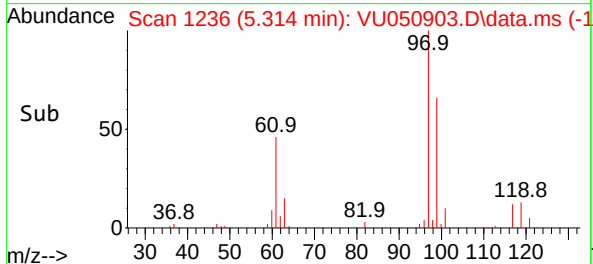
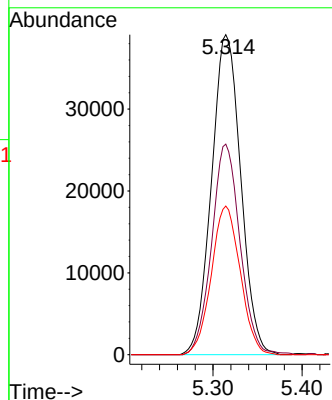
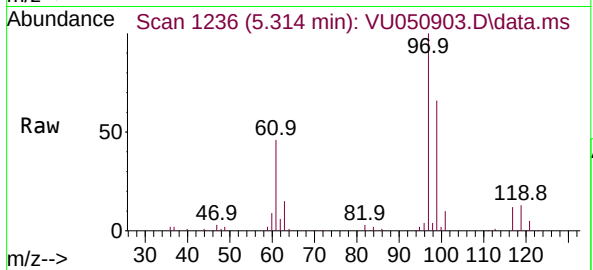
Tgt Ion: 97 Resp: 89188

Ion Ratio Lower Upper

97 100

99 63.8 52.2 78.2

61 45.9 37.1 55.7



#31

Carbon tetrachloride

Concen: 2.409 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.212 min

Lab File: VU050903.D

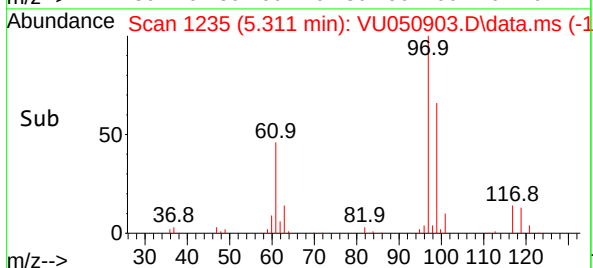
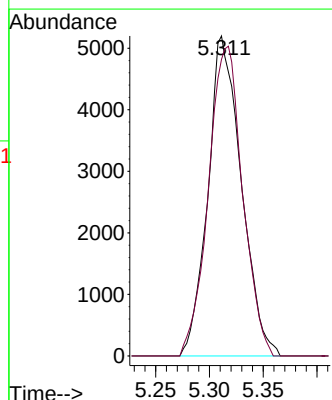
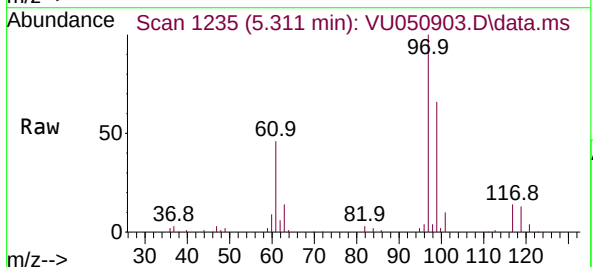
Acq: 22 Sep 2022 17:14

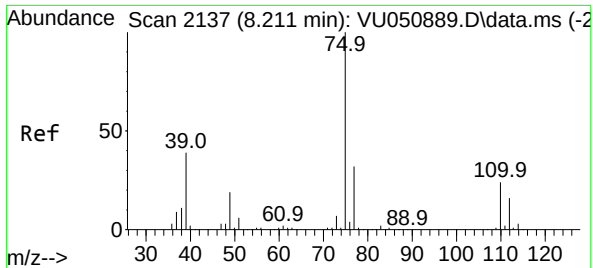
Tgt Ion: 117 Resp: 11233

Ion Ratio Lower Upper

117 100

119 99.0 76.0 114.0





#44
 trans-1,3-Dichloropropene
 Concen: 0.655 ug/L
 RT: 8.182 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: VU050903.D
 Acq: 22 Sep 2022 17:14

Instrument :
 MSVOA_U
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Tgt Ion: 75 Resp: 3541
 Ion Ratio Lower Upper
 75 100
 77 38.5 21.9 40.7

