

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092322\
 Data File : VU050921.D
 Acq On : 23 Sep 2022 15:43
 Operator : JC/MD
 Sample : N4650-01DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 00:24:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 24 00:22:43 2022
 Response via : Initial Calibration

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

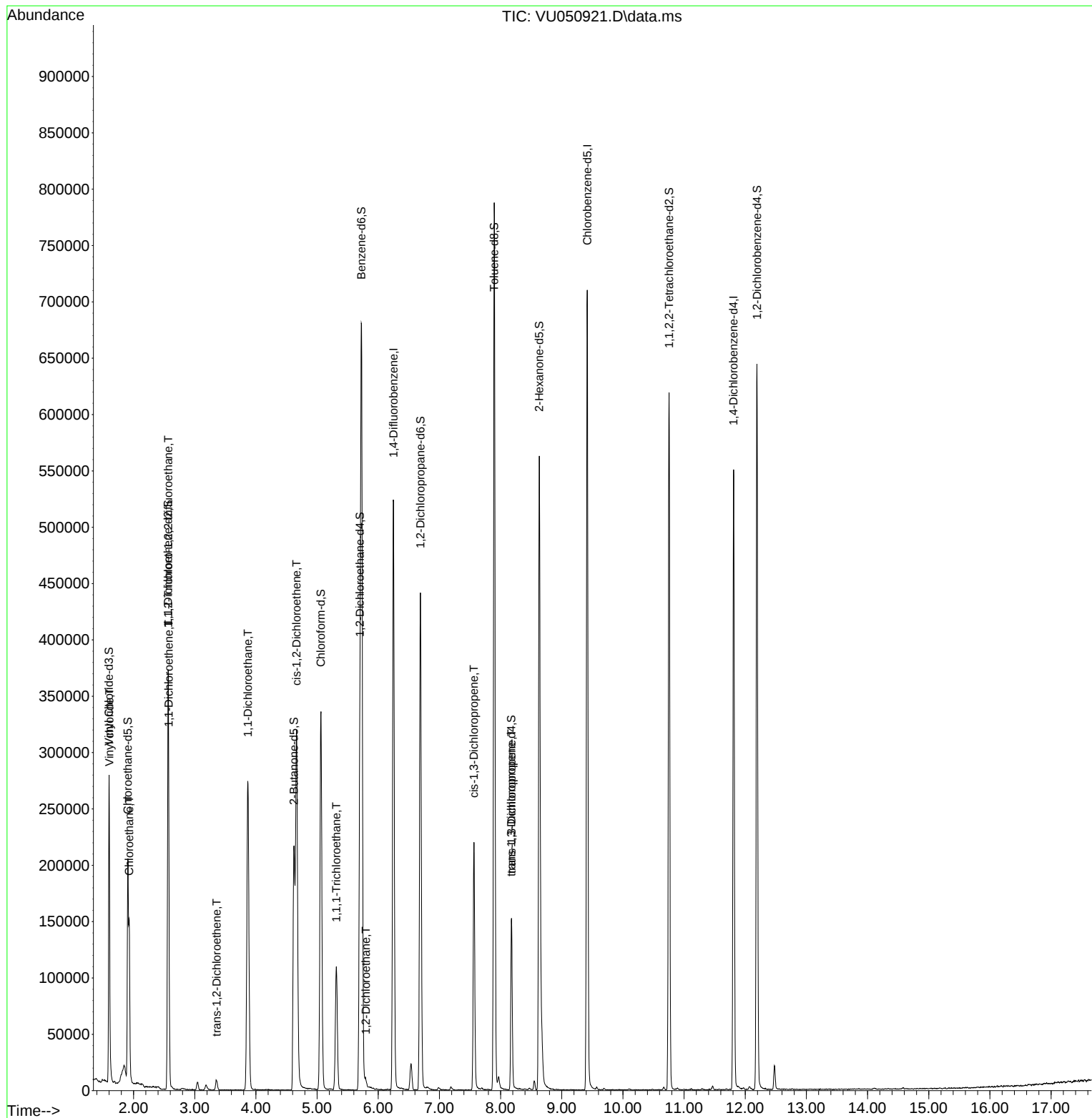
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	415387	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	393529	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	144612	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	171849	39.931	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.860%		
7) Chloroethane-d5	1.906	69	146259	47.718	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.440%		
11) 1,1-Dichloroethene-d2	2.565	63	219982	32.850	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.700%		
21) 2-Butanone-d5	4.620	46	307800	110.781	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	110.780%		
24) Chloroform-d	5.063	84	315476	46.776	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.560%		
26) 1,2-Dichloroethane-d4	5.700	65	204617	49.229	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.460%		
32) Benzene-d6	5.726	84	633779	48.895	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.780%		
36) 1,2-Dichloropropane-d6	6.690	67	215716	49.304	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.600%		
41) Toluene-d8	7.896	98	519423	45.843	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.680%		
43) trans-1,3-Dichloroprop...	8.176	79	85429	44.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.760%		
47) 2-Hexanone-d5	8.632	63	173408	96.175	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.170%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	316616	47.465	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.920%		
66) 1,2-Dichlorobenzene-d4	12.192	152	165259	54.580	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.160%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	44738	9.139	ug/L	96
8) Chloroethane	1.928	64	85086	31.393	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	2068	0.608	ug/L #	22
12) 1,1-Dichloroethene	2.575	96	3360	1.052	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	4113	1.257	ug/L	90
19) 1,1-Dichloroethane	3.867	63	315148	47.652	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	157143	43.300	ug/L	98
27) 1,2-Dichloroethane	5.796	62	5265	1.051	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	79518	15.188	ug/L	99
39) cis-1,3-Dichloropropene	7.565	75	5395	1.017	ug/L #	73
44) trans-1,3-Dichloropropene	8.179	75	3531	0.700	ug/L	85

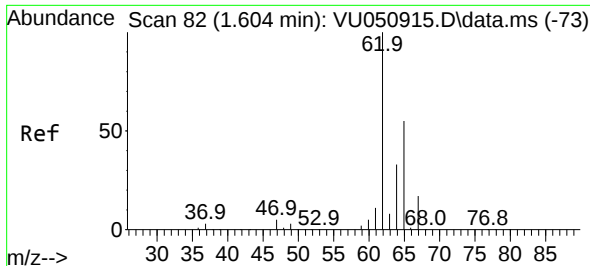
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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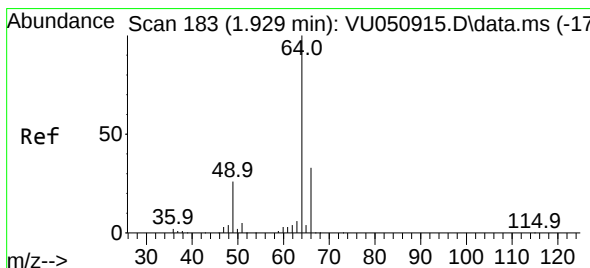
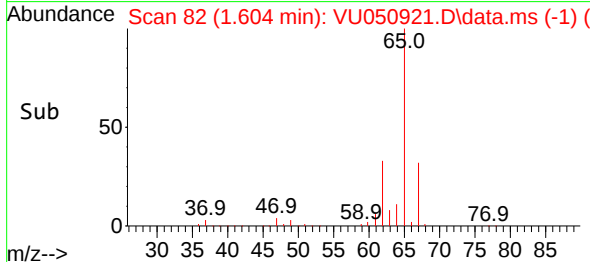
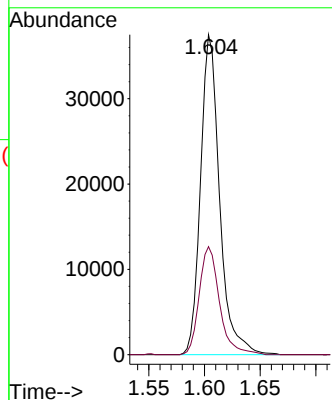
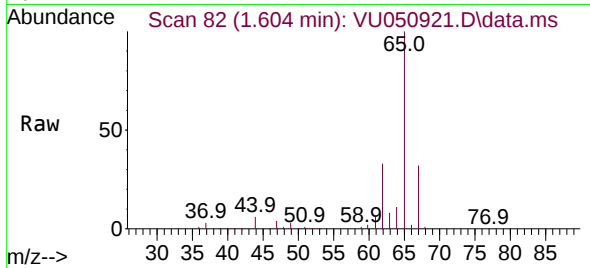




#5
 Vinyl chloride
 Concen: 9.139 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU050921.D
 Acq: 23 Sep 2022 15:43

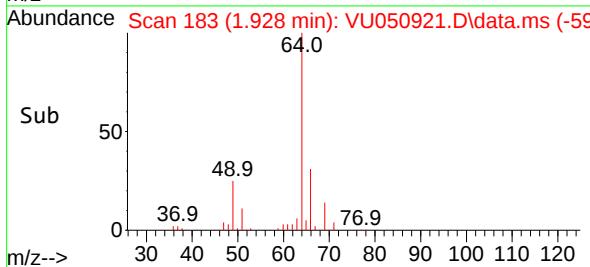
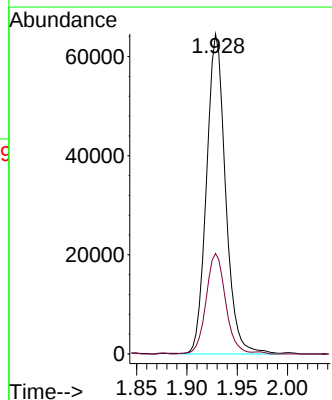
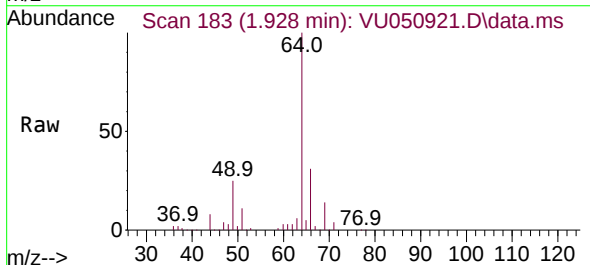
Instrument :
 MSVOA_U
 ClientSampleId :

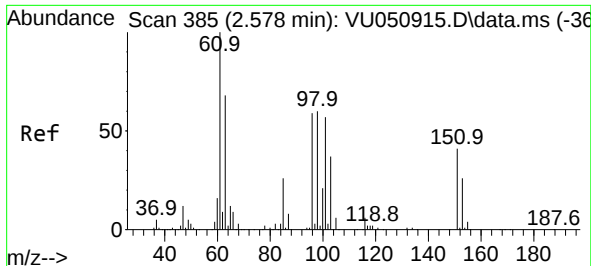
Tgt Ion: 62 Resp: 44738
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.2 41.2



#8
 Chloroethane
 Concen: 31.393 ug/L
 RT: 1.928 min Scan# 183
 Delta R.T. -0.000 min
 Lab File: VU050921.D
 Acq: 23 Sep 2022 15:43

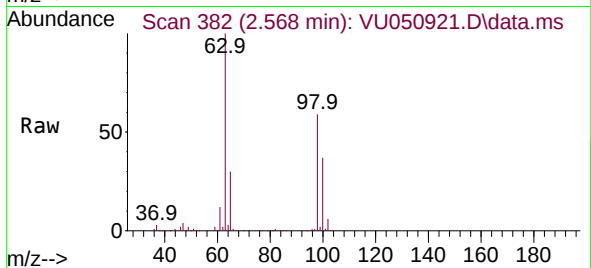
Tgt Ion: 64 Resp: 85086
 Ion Ratio Lower Upper
 64 100
 66 31.4 22.9 42.5



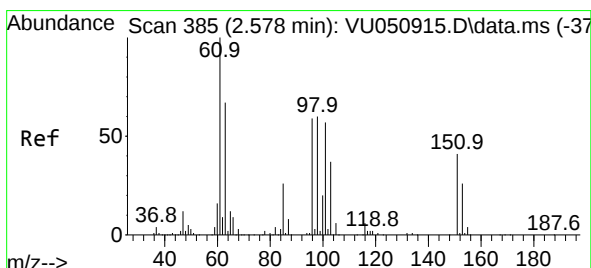
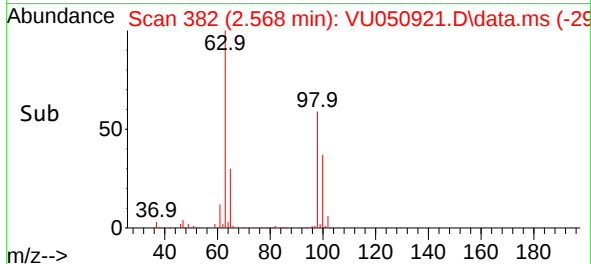
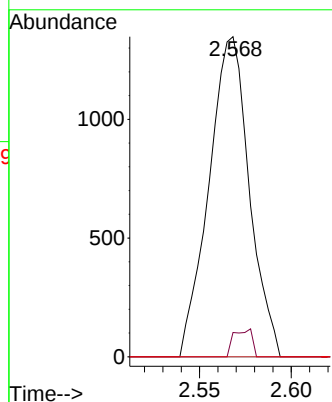


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.608 ug/L
 RT: 2.568 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: VU050921.D
 Acq: 23 Sep 2022 15:43

Instrument :
 MSVOA_U
 ClientSampleId :

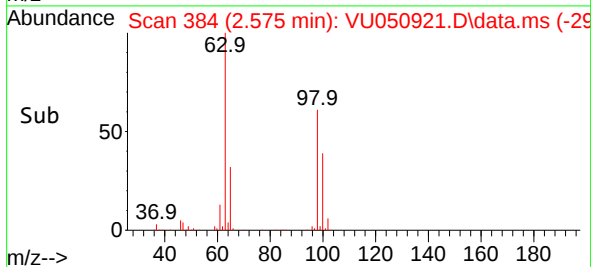
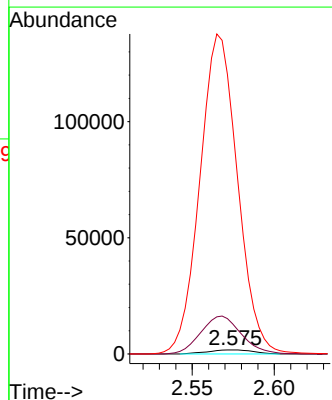
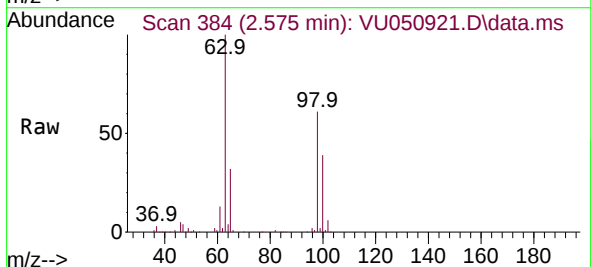


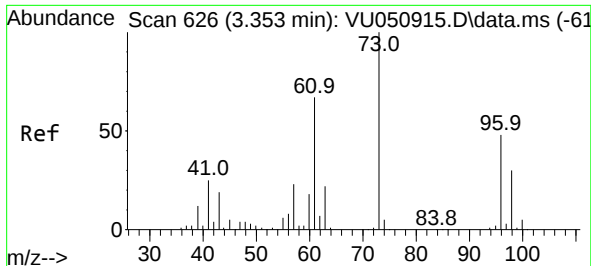
Tgt Ion:101 Resp: 2068
 Ion Ratio Lower Upper
 101 100
 85 1.9 35.1 52.7#
 151 0.0 56.6 84.8#



#12
 1,1-Dichloroethene
 Concen: 1.052 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050921.D
 Acq: 23 Sep 2022 15:43

Tgt Ion: 96 Resp: 3360
 Ion Ratio Lower Upper
 96 100
 61 737.3 118.6 220.2#
 63 5597.7 90.4 168.0#





#17

trans-1,2-Dichloroethene

Concen: 1.257 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU050921.D

Acq: 23 Sep 2022 15:43

Instrument :

MSVOA_U

ClientSampleId :

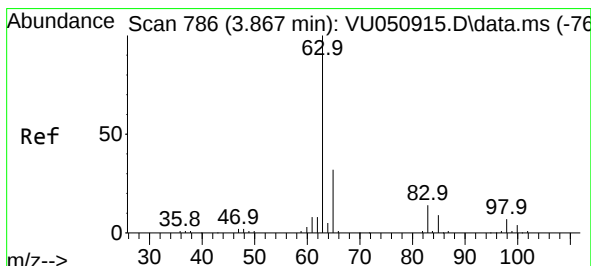
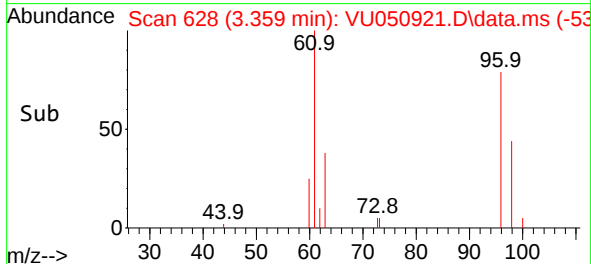
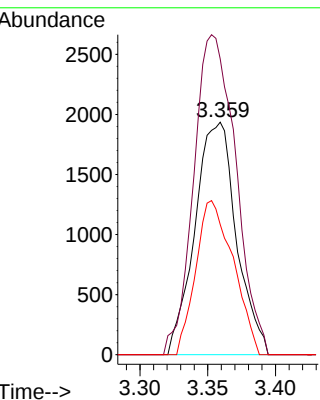
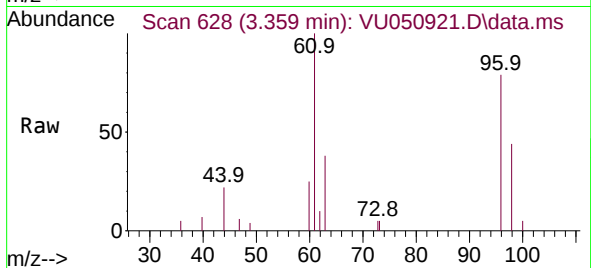
Tgt Ion: 96 Resp: 4113

Ion Ratio Lower Upper

96 100

61 127.2 98.0 182.0

98 56.0 44.3 82.3



#19

1,1-Dichloroethane

Concen: 47.652 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU050921.D

Acq: 23 Sep 2022 15:43

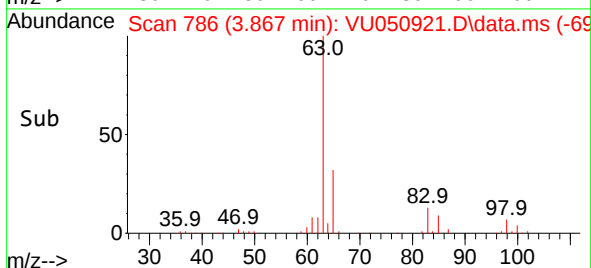
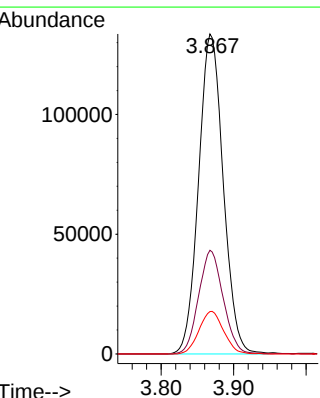
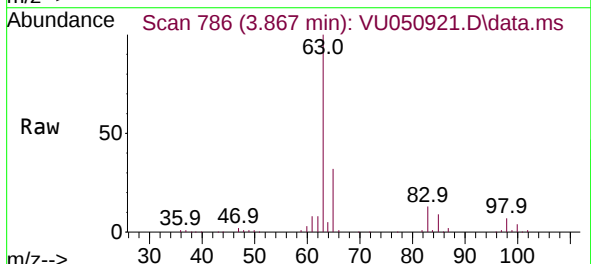
Tgt Ion: 63 Resp: 315148

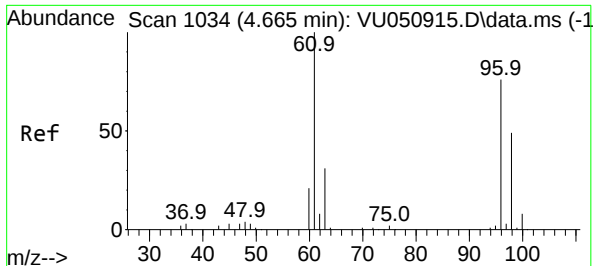
Ion Ratio Lower Upper

63 100

65 32.4 21.5 39.9

83 13.2 9.3 17.3

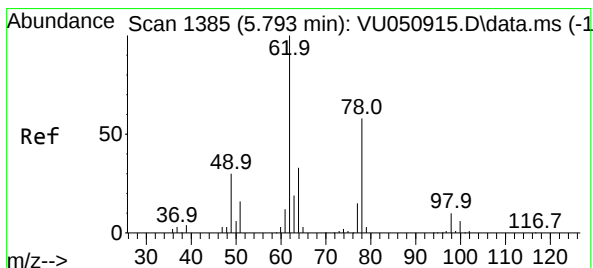
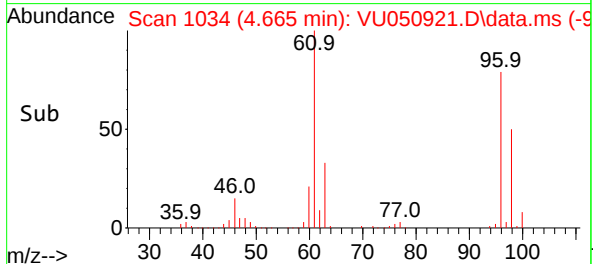
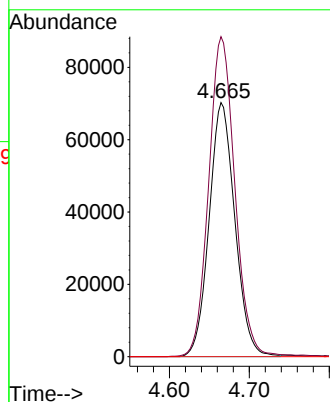
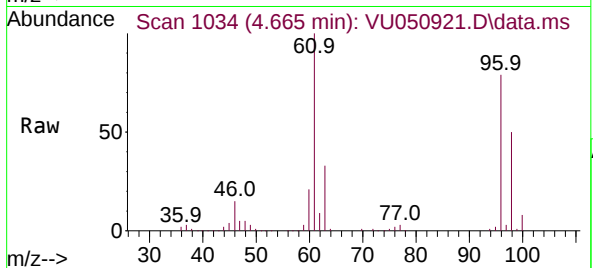




#20
 cis-1,2-Dichloroethene
 Concen: 43.300 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU050921.D
 Acq: 23 Sep 2022 15:43

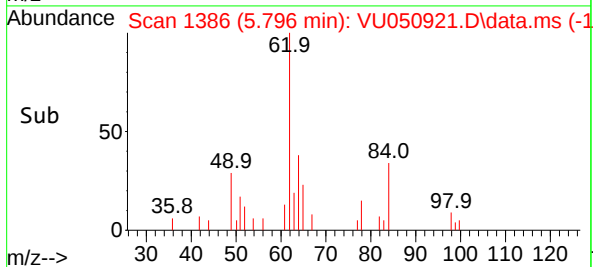
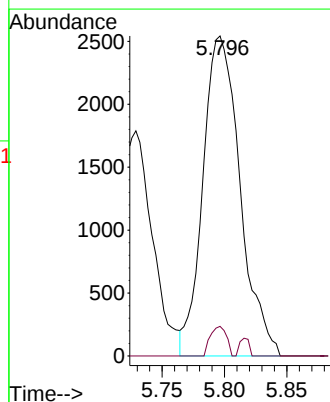
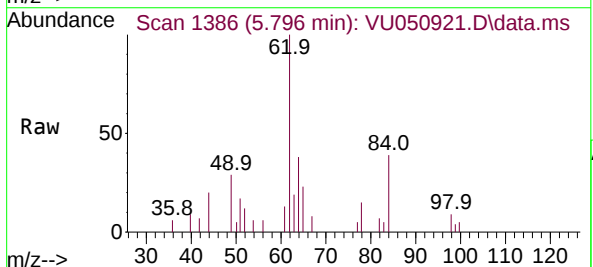
Instrument :
 MSVOA_U
 ClientSampleId :

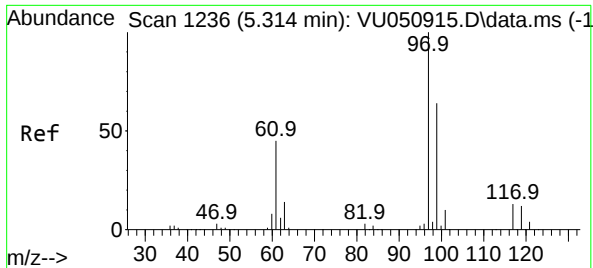
Tgt Ion: 96 Resp: 157143
 Ion Ratio Lower Upper
 96 100
 61 126.0 90.1 167.3
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 1.051 ug/L
 RT: 5.796 min Scan# 1386
 Delta R.T. 0.003 min
 Lab File: VU050921.D
 Acq: 23 Sep 2022 15:43

Tgt Ion: 62 Resp: 5265
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.4 11.0





#30

1,1,1-Trichloroethane

Concen: 15.188 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050921.D

Acq: 23 Sep 2022 15:43

Instrument :

MSVOA_U

ClientSampleId :

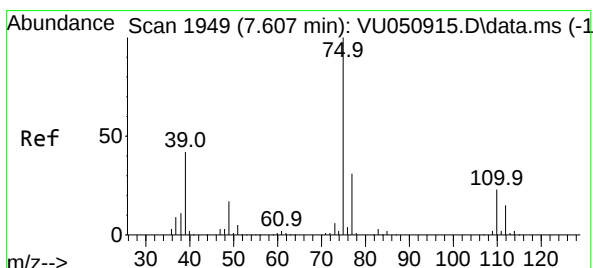
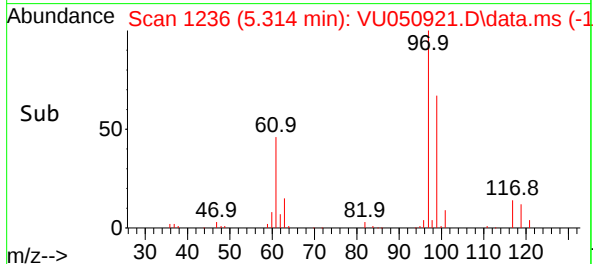
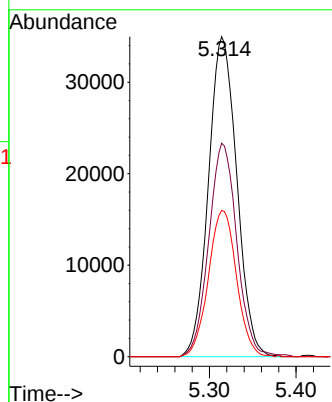
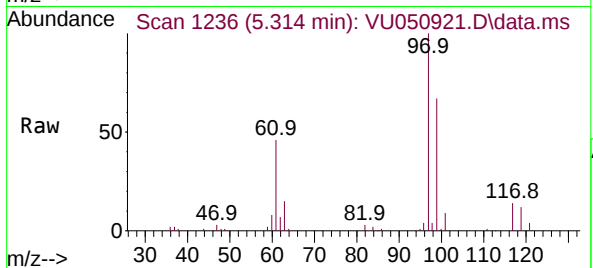
Tgt Ion: 97 Resp: 79518

Ion Ratio Lower Upper

97 100

99 66.2 52.2 78.2

61 45.4 37.1 55.7



#39

cis-1,3-Dichloropropene

Concen: 1.017 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU050921.D

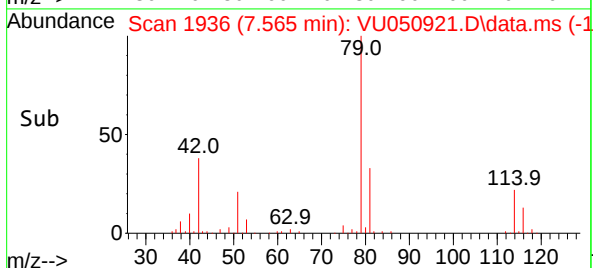
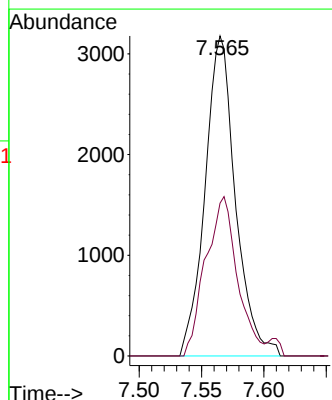
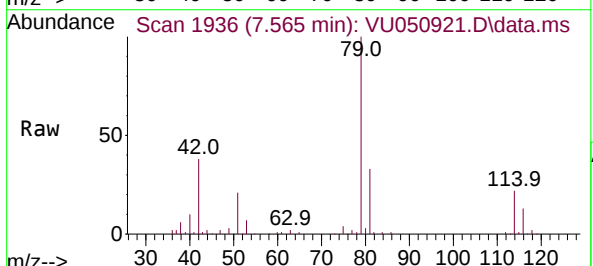
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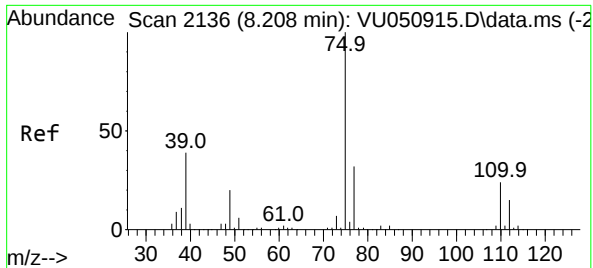
Tgt Ion: 75 Resp: 5395

Ion Ratio Lower Upper

75 100

77 47.8 22.8 42.4#





#44
 trans-1,3-Dichloropropene
 Concen: 0.700 ug/L
 RT: 8.179 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: VU050921.D
 Acq: 23 Sep 2022 15:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 75 Resp: 3531
 Ion Ratio Lower Upper
 75 100
 77 39.5 21.9 40.7

