

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060922\
 Data File : VU048987.D
 Acq On : 09 Jun 2022 19:39
 Operator : SY/MD
 Sample : N3248-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY3

Quant Time: Jun 10 01:06:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 10 01:01:44 2022
 Response via : Initial Calibration

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

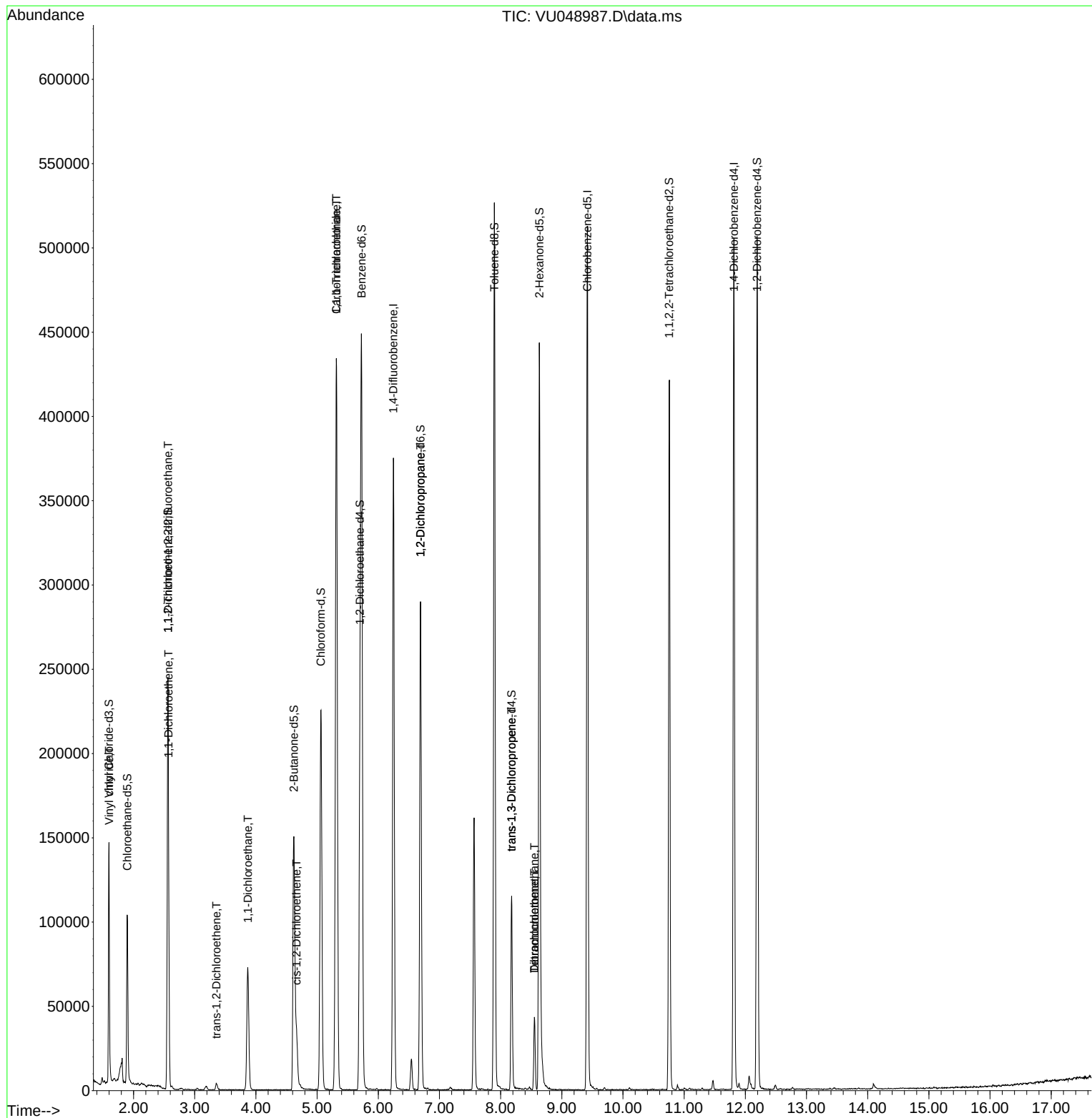
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	304096	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	282949	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	138376	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	101900	54.710	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 109.420%			
7) Chloroethane-d5	1.897	69	76660	54.937	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.880%			
11) 1,1-Dichloroethene-d2	2.562	63	143778	34.133	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 68.260%			
21) 2-Butanone-d5	4.620	46	219940	124.087	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 124.090%			
24) Chloroform-d	5.060	84	214591	45.593	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.180%			
26) 1,2-Dichloroethane-d4	5.700	65	144179	43.421	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.840%			
32) Benzene-d6	5.726	84	415205	52.727	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.460%			
36) 1,2-Dichloropropane-d6	6.691	67	140179	60.637	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 121.280%#			
41) Toluene-d8	7.896	98	354323	47.836	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.680%			
43) trans-1,3-Dichloroprop...	8.179	79	65321	44.187	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.380%			
47) 2-Hexanone-d5	8.633	63	145373	114.665	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 114.670%			
56) 1,1,2,2-Tetrachloroeth...	10.755	84	208985	54.632	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 109.260%			
66) 1,2-Dichlorobenzene-d4	12.192	152	139288	49.239	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.480%			
Target Compounds						Qvalue
5) Vinyl chloride	1.601	62	841	0.392	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1228	0.575	ug/L #	17
12) 1,1-Dichloroethene	2.572	96	9869	4.988	ug/L #	1
17) trans-1,2-Dichloroethene	3.353	96	1120	0.525	ug/L	82
19) 1,1-Dichloroethane	3.868	63	83936	21.484	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	13039	5.418	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	322538	75.285	ug/L	98
31) Carbon tetrachloride	5.314	117	41915	10.735	ug/L	99
37) 1,2-Dichloropropane	6.691	63	14423	6.978	ug/L #	86
44) trans-1,3-Dichloropropene	8.179	75	2858	0.768	ug/L	85
46) Tetrachloroethene	8.552	164	9780	5.125	ug/L	88
49) Dibromochloromethane	8.552	129	9565	3.361	ug/L #	12

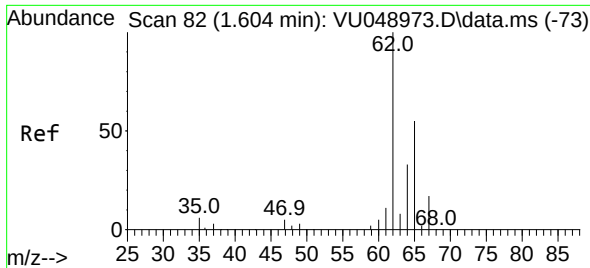
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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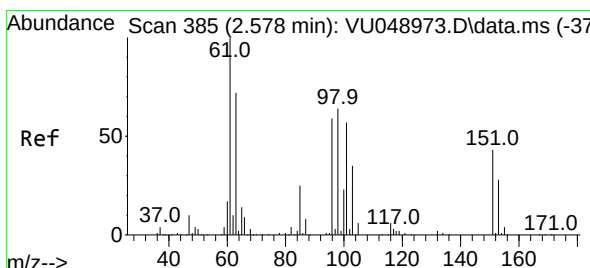
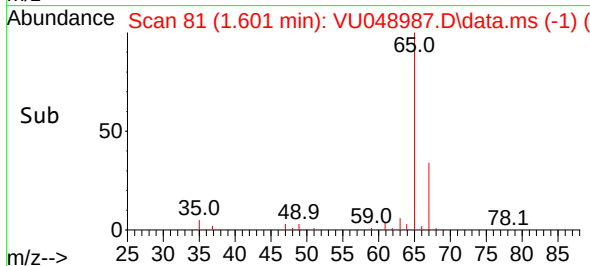
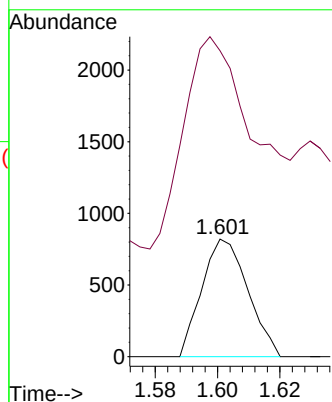
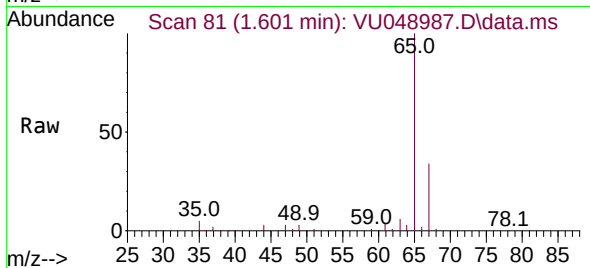




#5
 Vinyl chloride
 Concen: 0.392 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048987.D
 Acq: 09 Jun 2022 19:39

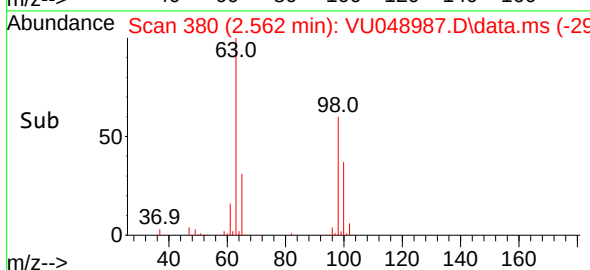
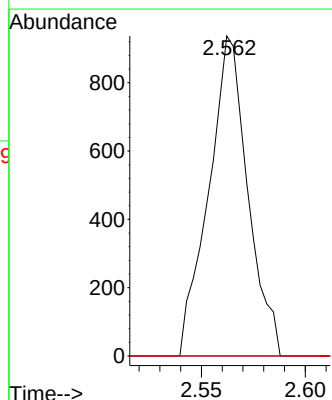
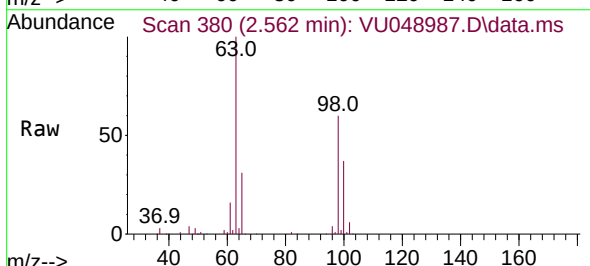
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY3

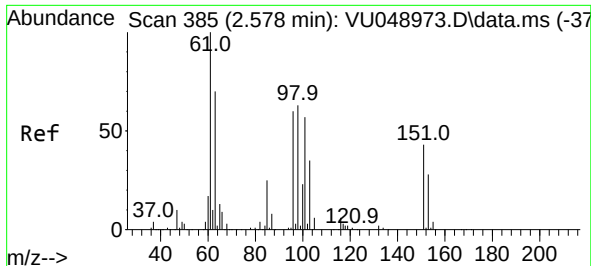
Tgt Ion: 62 Resp: 841
 Ion Ratio Lower Upper
 62 100
 64 260.0 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.575 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.016 min
 Lab File: VU048987.D
 Acq: 09 Jun 2022 19:39

Tgt Ion: 101 Resp: 1228
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.7 53.5#
 151 0.0 64.4 96.6#





#12

1,1-Dichloroethene

Concen: 4.988 ug/L

RT: 2.572 min Scan# 385

Delta R.T. -0.006 min

Lab File: VU048987.D

Acq: 09 Jun 2022 19:39

Instrument :

MSVOA_U

ClientSampleId :

EXYY3

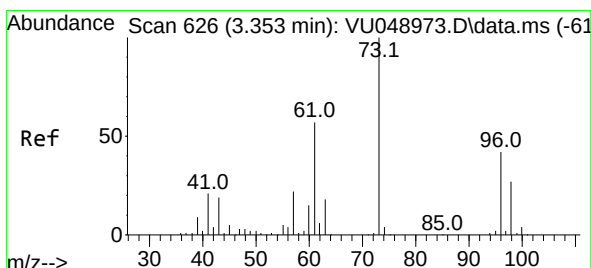
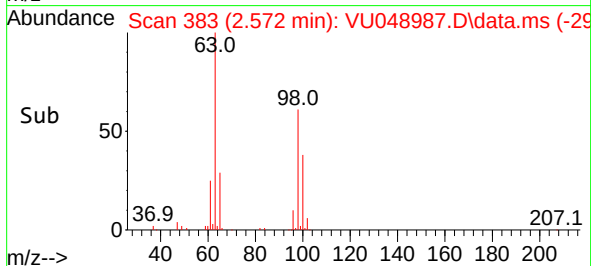
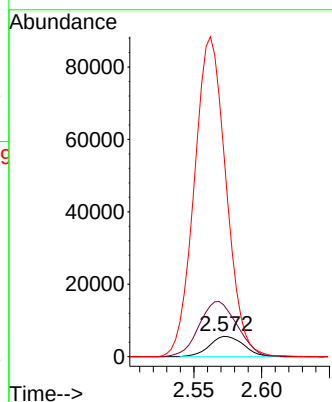
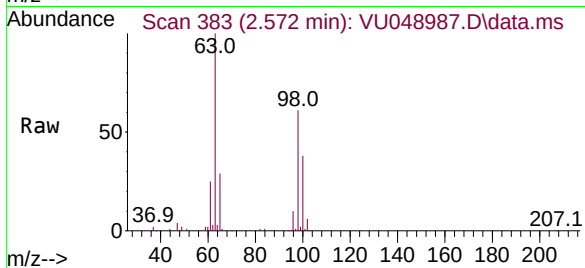
Tgt Ion: 96 Resp: 9869

Ion Ratio Lower Upper

96 100

61 254.4 120.6 224.0#

63 1017.2 82.3 152.9#



#17

trans-1,2-Dichloroethene

Concen: 0.525 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU048987.D

Acq: 09 Jun 2022 19:39

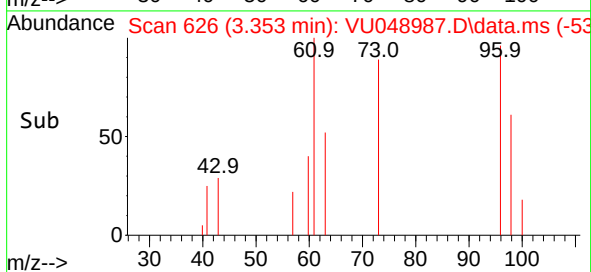
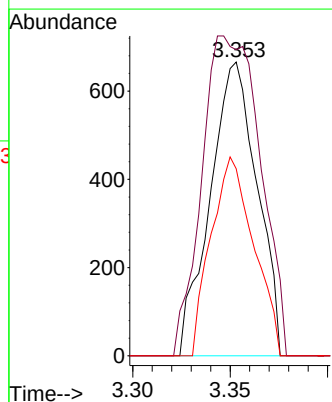
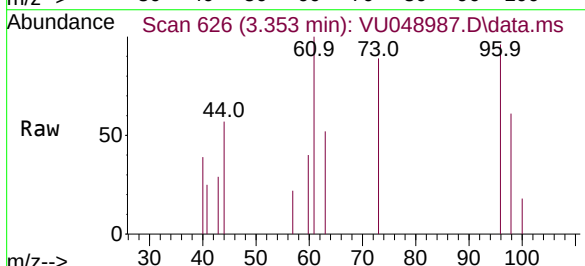
Tgt Ion: 96 Resp: 1120

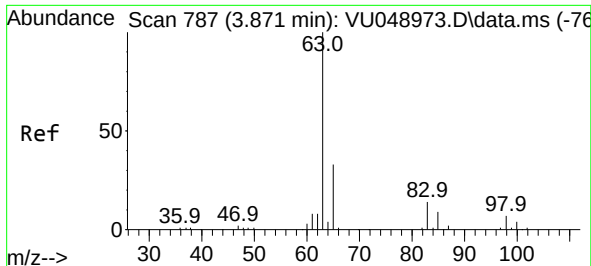
Ion Ratio Lower Upper

96 100

61 104.2 94.2 175.0

98 63.7 45.1 83.7





#19

1,1-Dichloroethane

Concen: 21.484 ug/L

RT: 3.868 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU048987.D

Acq: 09 Jun 2022 19:39

Instrument :

MSVOA_U

ClientSampleId :

EXYY3

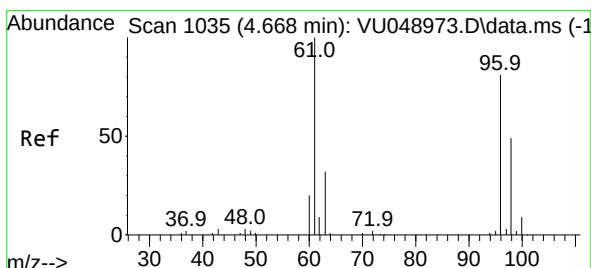
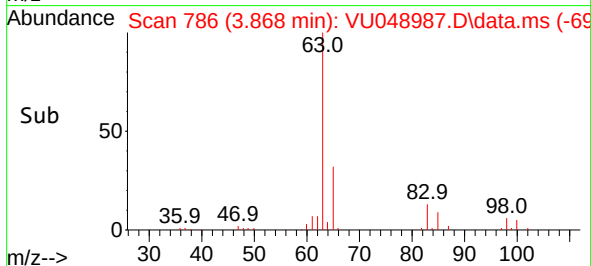
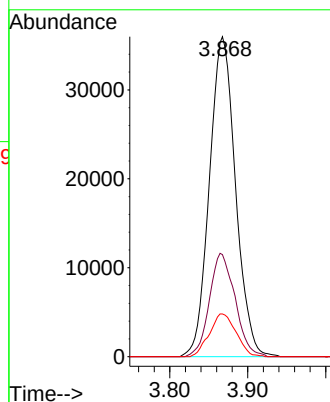
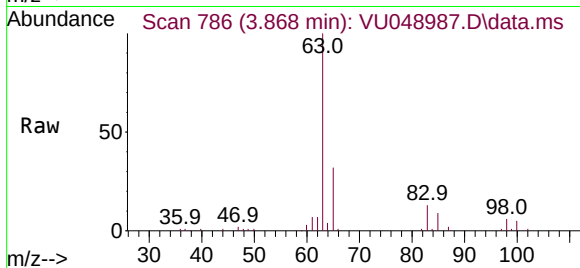
Tgt Ion: 63 Resp: 83936

Ion Ratio Lower Upper

63 100

65 31.9 21.8 40.6

83 13.4 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 5.418 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048987.D

Acq: 09 Jun 2022 19:39

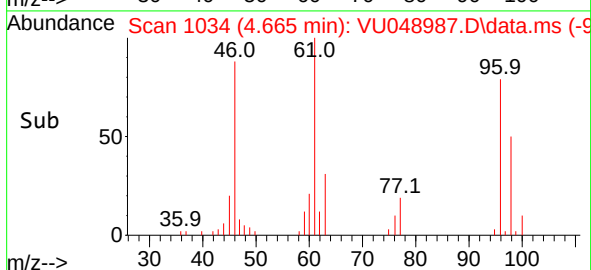
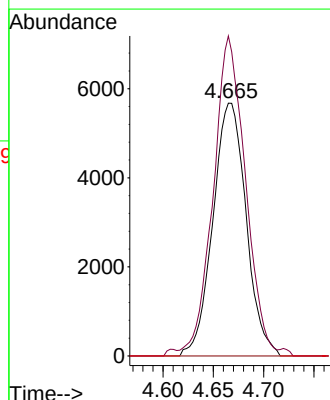
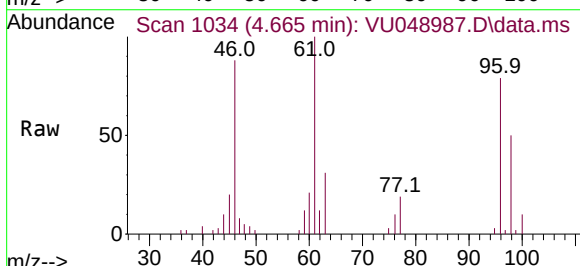
Tgt Ion: 96 Resp: 13039

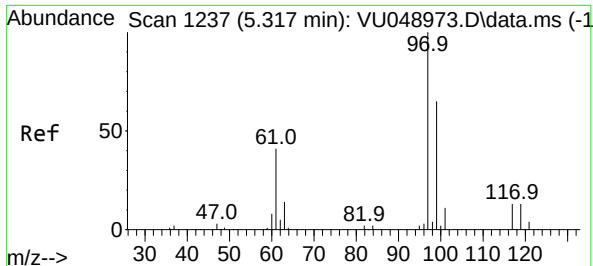
Ion Ratio Lower Upper

96 100

61 126.6 88.3 164.1

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 75.285 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU048987.D

Acq: 09 Jun 2022 19:39

Instrument :

MSVOA_U

ClientSampleId :

EXYY3

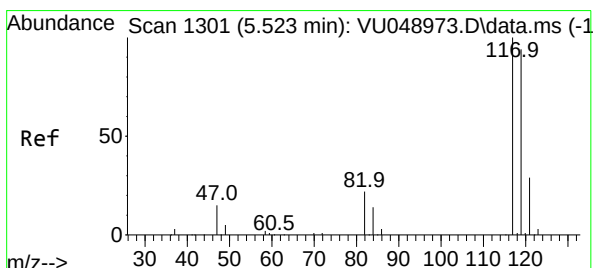
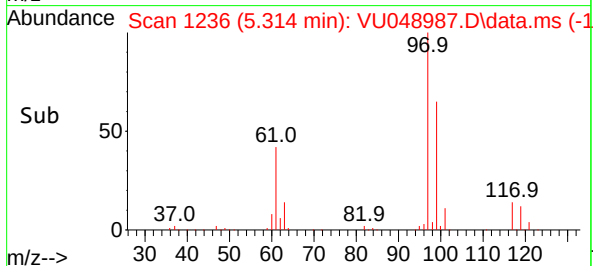
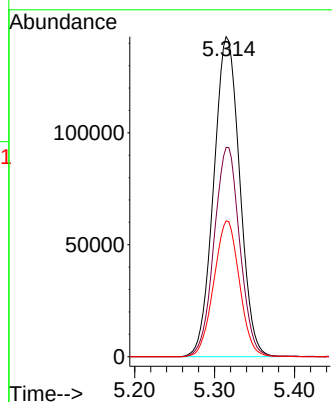
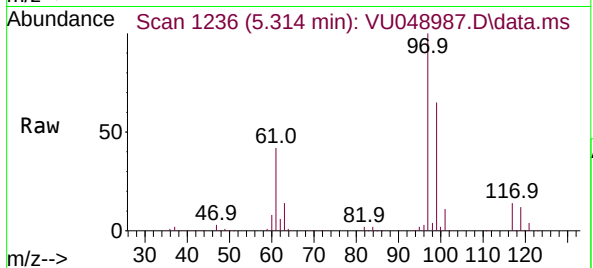
Tgt Ion: 97 Resp: 322538

Ion Ratio Lower Upper

97 100

99 64.8 50.3 75.5

61 41.9 32.6 48.8



#31

Carbon tetrachloride

Concen: 10.735 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.209 min

Lab File: VU048987.D

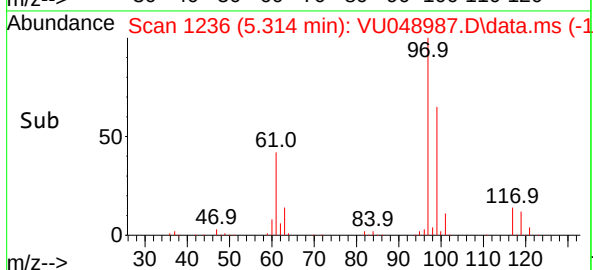
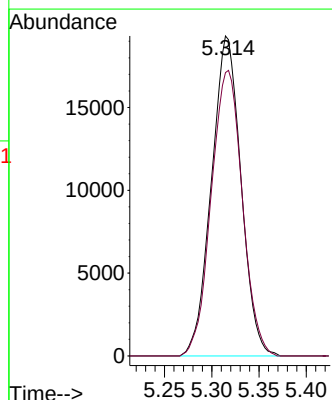
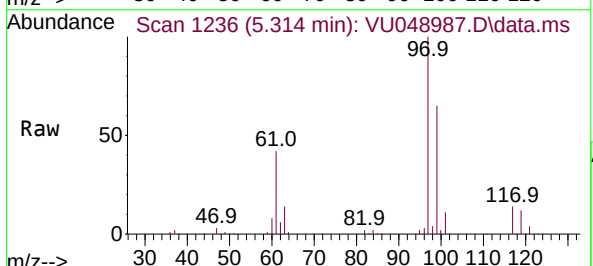
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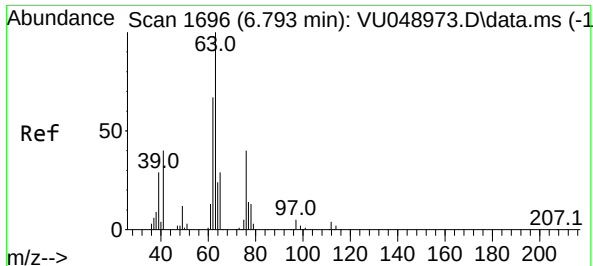
Tgt Ion: 117 Resp: 41915

Ion Ratio Lower Upper

117 100

119 93.9 76.0 114.0





#37

1,2-Dichloropropane

Concen: 6.978 ug/L

RT: 6.691 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU048987.D

Acq: 09 Jun 2022 19:39

Instrument :

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ClientSampleId :

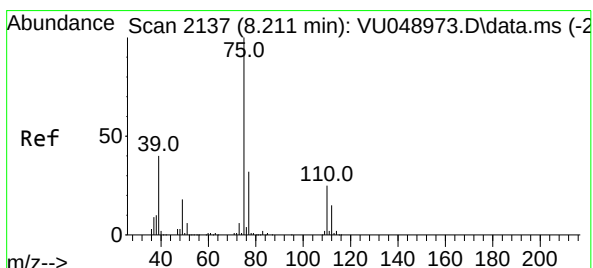
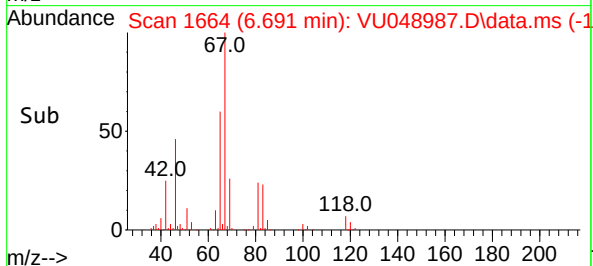
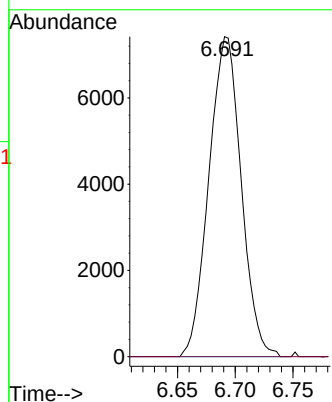
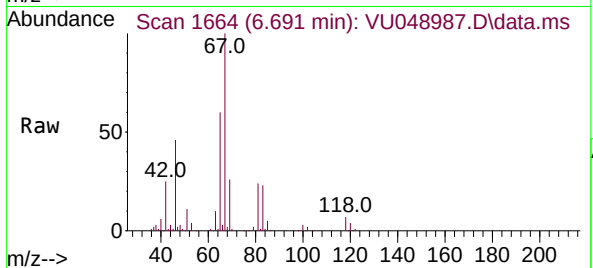
EXYY3

Tgt Ion: 63 Resp: 14423

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#44

trans-1,3-Dichloropropene

Concen: 0.768 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU048987.D

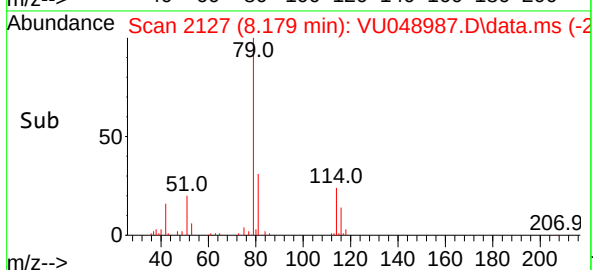
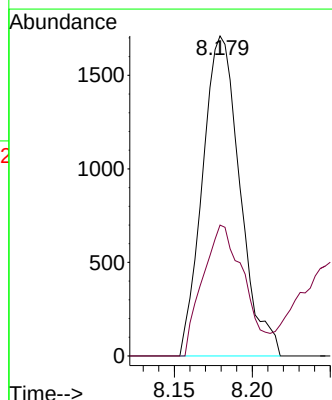
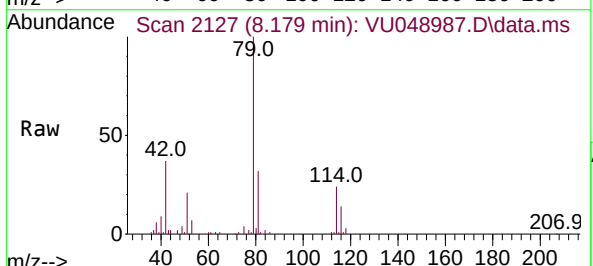
Acq: 09 Jun 2022 19:39

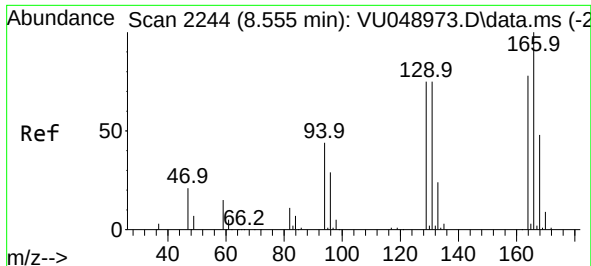
Tgt Ion: 75 Resp: 2858

Ion Ratio Lower Upper

75 100

77 40.9 22.7 42.1

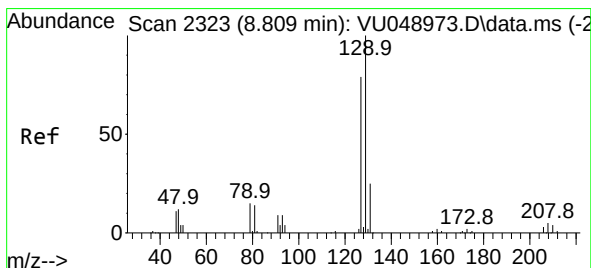
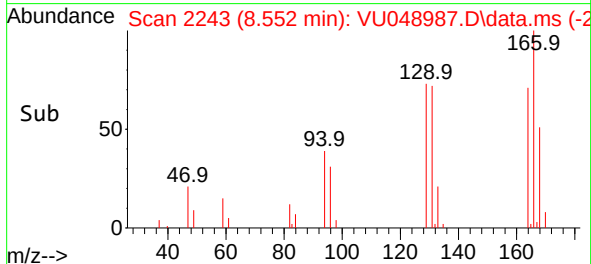
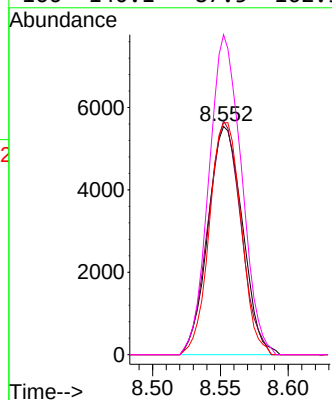
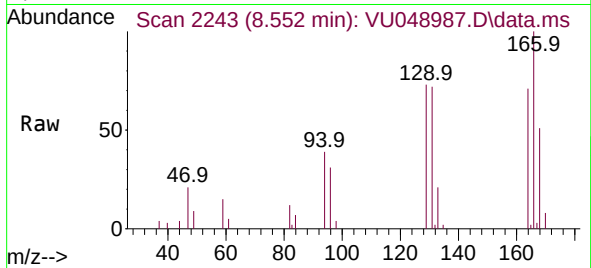




#46
Tetrachloroethene
Concen: 5.125 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048987.D
Acq: 09 Jun 2022 19:39

Instrument :
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Tgt Ion:164 Resp: 9780
Ion Ratio Lower Upper
164 100
129 102.5 64.3 119.3
131 101.4 64.5 119.7
166 140.1 87.5 162.5



#49
Dibromochloromethane
Concen: 3.361 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU048987.D
Acq: 09 Jun 2022 19:39

Tgt Ion:129 Resp: 9565
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#

