

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049044.D
 Acq On : 11 Jun 2022 10:17
 Operator : SY/MD
 Sample : N3249-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY6

Quant Time: Jun 11 10:46:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 11 04:33:31 2022
 Response via : Initial Calibration

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

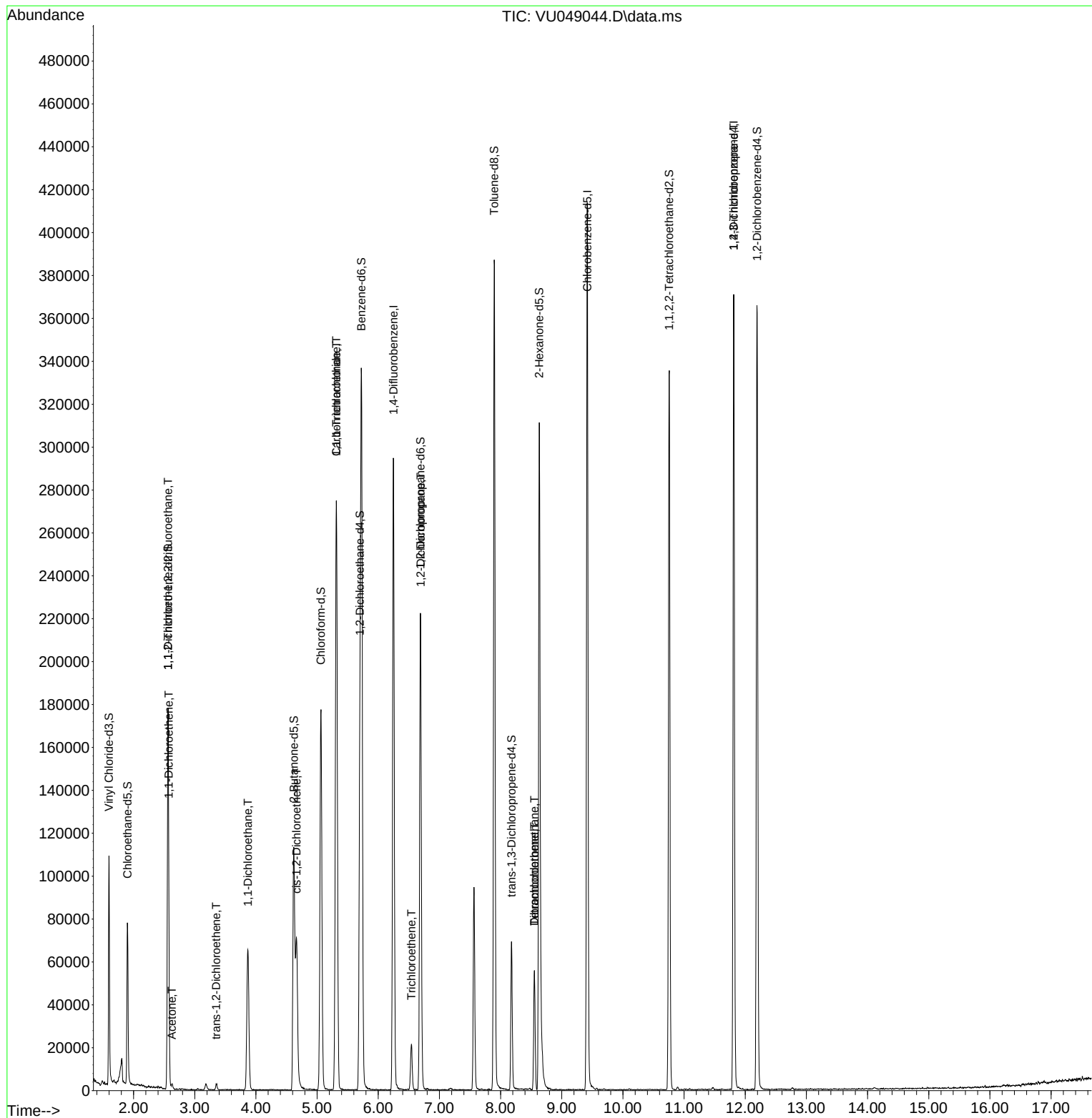
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	239081	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	233996	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	102977	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75531	51.282	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 102.560%			
7) Chloroethane-d5	1.900	69	56998	52.706	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.420%			
11) 1,1-Dichloroethene-d2	2.562	63	106368	38.273	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.540%			
21) 2-Butanone-d5	4.620	46	162975	100.924	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 100.920%			
24) Chloroform-d	5.063	84	167356	53.265	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.520%			
26) 1,2-Dichloroethane-d4	5.700	65	115128	56.558	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 113.120%			
32) Benzene-d6	5.726	84	311772	53.732	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.460%			
36) 1,2-Dichloropropane-d6	6.690	67	106081	54.384	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 108.760%			
41) Toluene-d8	7.896	98	259051	50.624	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.240%			
43) trans-1,3-Dichloroprop...	8.179	79	38275	41.709	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.420%			
47) 2-Hexanone-d5	8.632	63	95086	93.140	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 93.140%			
56) 1,1,2,2-Tetrachloroeth...	10.754	84	165283	50.733	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 101.460%			
66) 1,2-Dichlorobenzene-d4	12.192	152	100450	56.063	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.120%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	853	0.506	ug/L #	19
12) 1,1-Dichloroethene	2.575	96	6169	4.184	ug/L #	1
13) Acetone	2.626	43	2979	2.344	ug/L	90
17) trans-1,2-Dichloroethene	3.350	96	845	0.521	ug/L	94
19) 1,1-Dichloroethane	3.870	63	77754	22.264	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	32517	16.488	ug/L	92
30) 1,1,1-Trichloroethane	5.314	97	207573	63.609	ug/L	100
31) Carbon tetrachloride	5.314	117	25762	9.027	ug/L	97
34) Trichloroethene	6.542	95	7090	3.710	ug/L	93
37) 1,2-Dichloropropane	6.694	63	11510	5.384	ug/L #	88
46) Tetrachloroethene	8.552	164	12337	8.328	ug/L	90
49) Dibromochloromethane	8.552	129	11671	5.060	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	10413	3.987	ug/L #	68

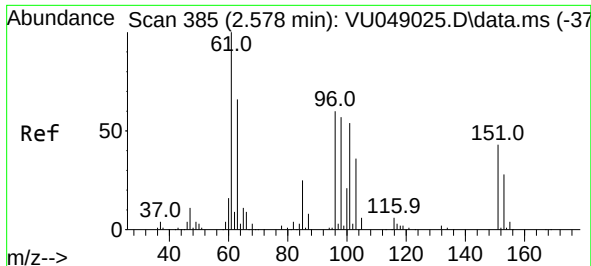
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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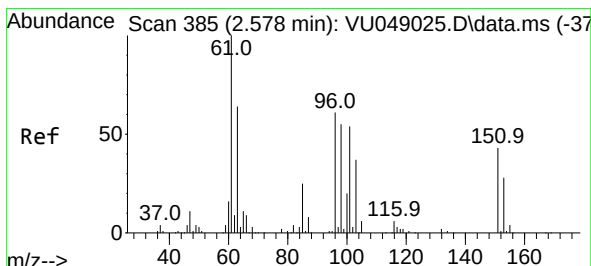
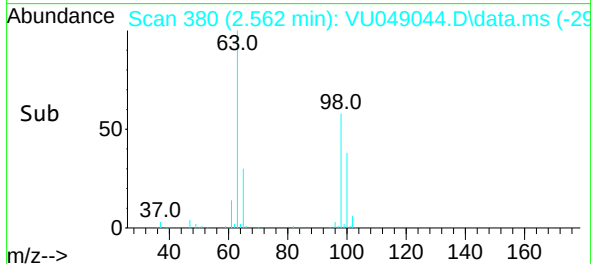
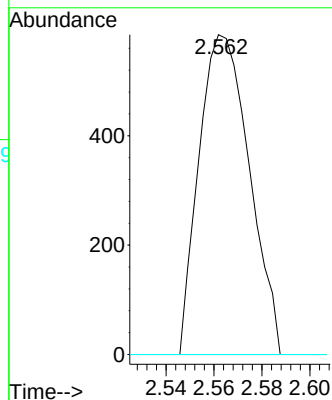
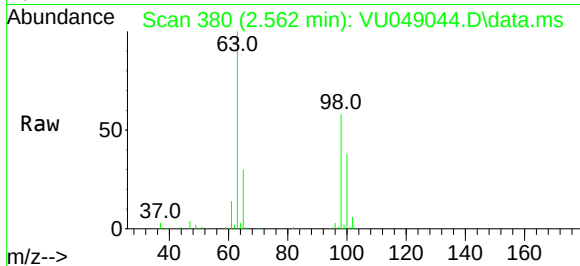




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.506 ug/L
 RT: 2.562 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VU049044.D
 Acq: 11 Jun 2022 10:17

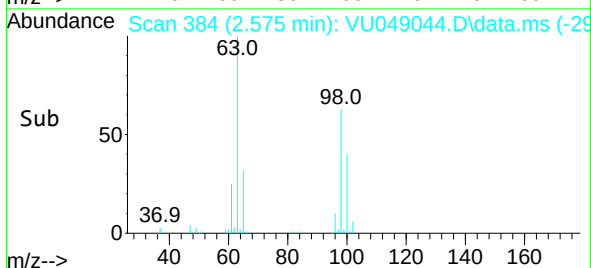
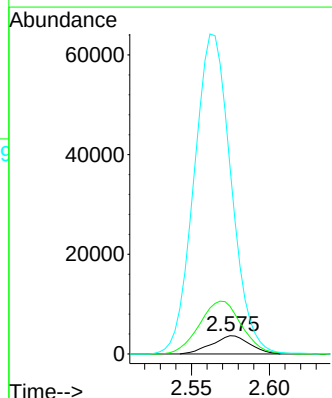
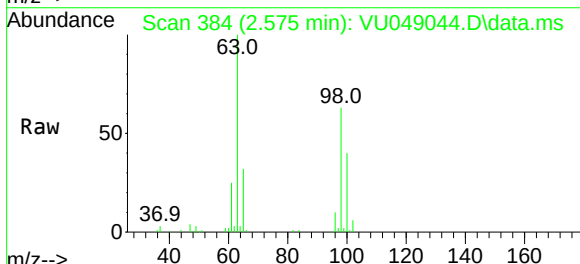
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY6

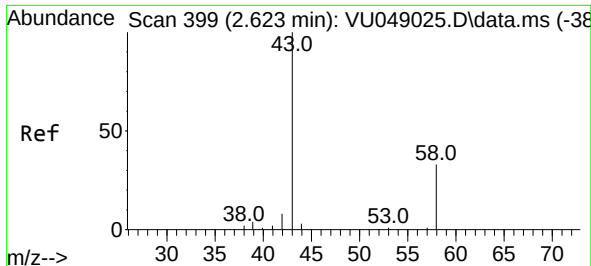
Tgt Ion:101 Resp: 853
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.2 52.8#
 151 0.0 61.4 92.2#



#12
 1,1-Dichloroethene
 Concen: 4.184 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049044.D
 Acq: 11 Jun 2022 10:17

Tgt Ion: 96 Resp: 6169
 Ion Ratio Lower Upper
 96 100
 61 261.5 123.5 229.3#
 63 1029.6 86.0 159.8#





#13

Acetone

Concen: 2.344 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

Instrument :

MSVOA_U

ClientSampleId :

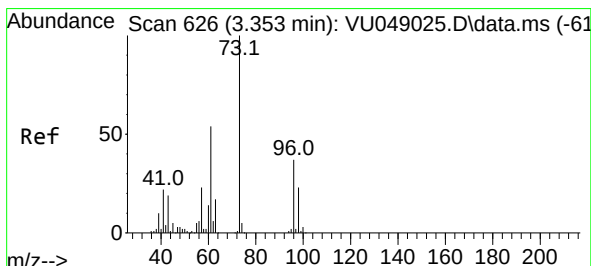
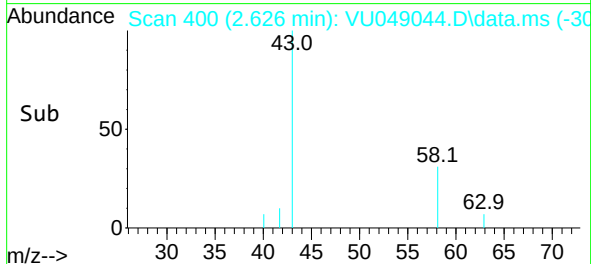
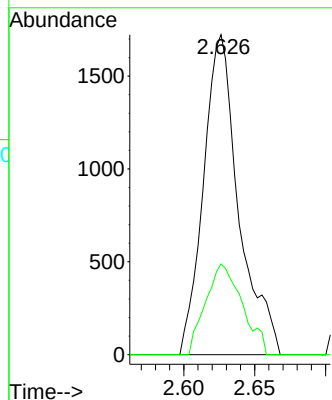
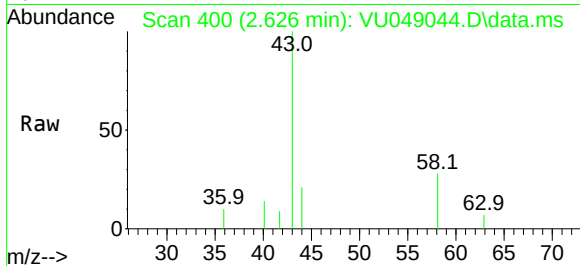
EXYY6

Tgt Ion: 43 Resp: 2979

Ion Ratio Lower Upper

43 100

58 27.7 0.0 66.4



#17

trans-1,2-Dichloroethene

Concen: 0.521 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

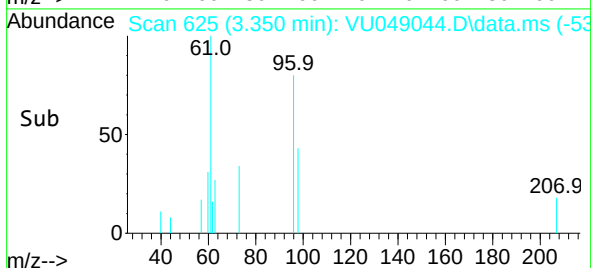
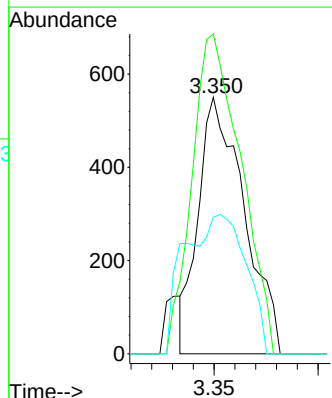
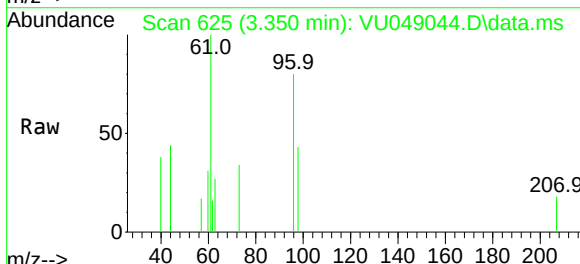
Tgt Ion: 96 Resp: 845

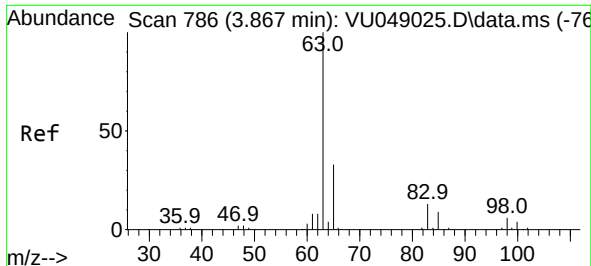
Ion Ratio Lower Upper

96 100

61 144.2 99.3 184.3

98 53.3 44.7 83.1





#19

1,1-Dichloroethane

Concen: 22.264 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

Instrument :

MSVOA_U

ClientSampleId :

EXYY6

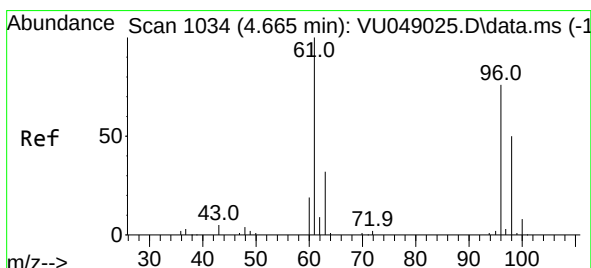
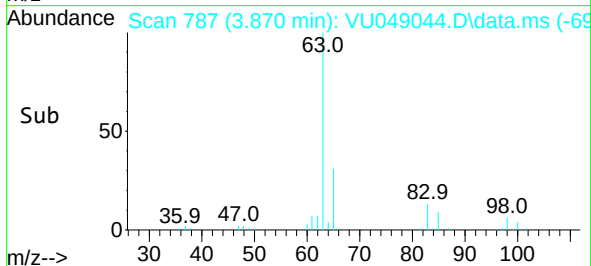
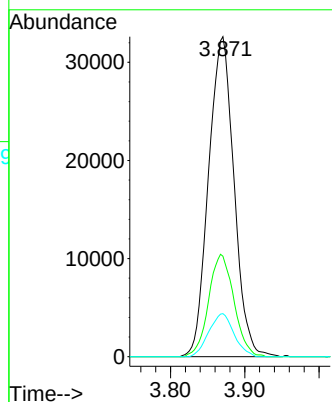
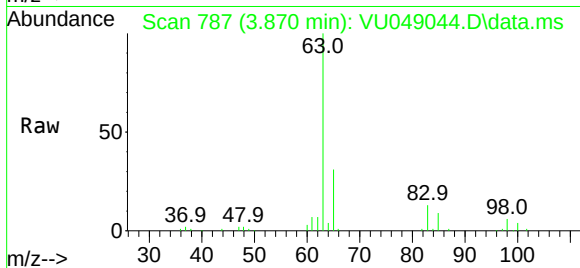
Tgt Ion: 63 Resp: 77754

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

83 13.5 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 16.488 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

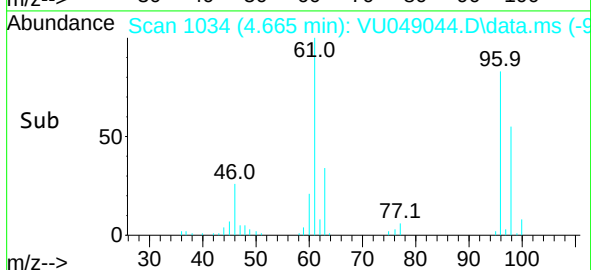
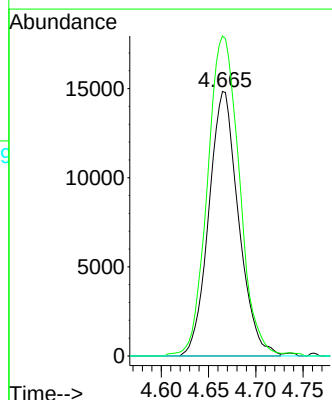
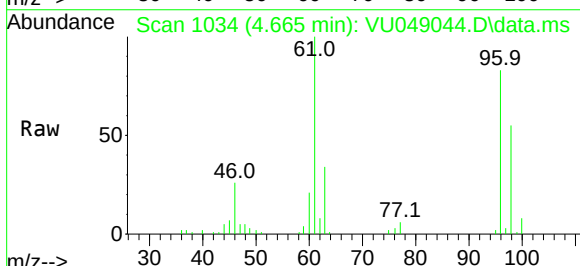
Tgt Ion: 96 Resp: 32517

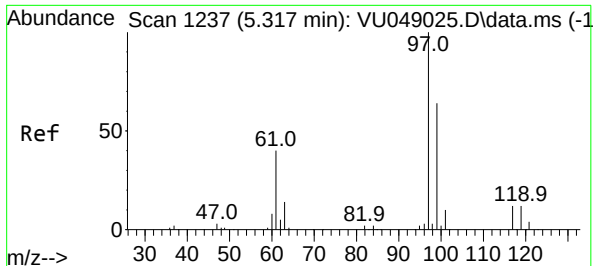
Ion Ratio Lower Upper

96 100

61 121.0 91.6 170.2

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 63.609 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

Instrument :

MSVOA_U

ClientSampleId :

EXYY6

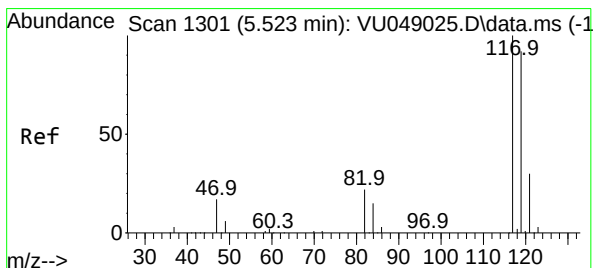
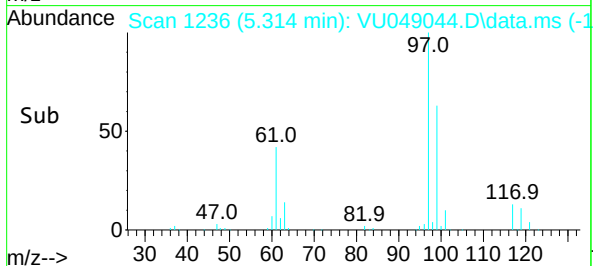
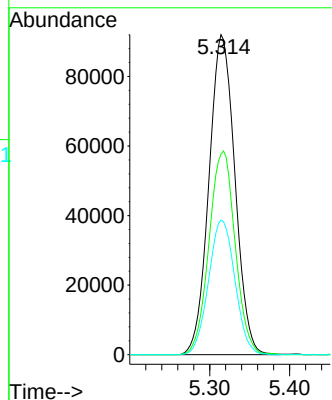
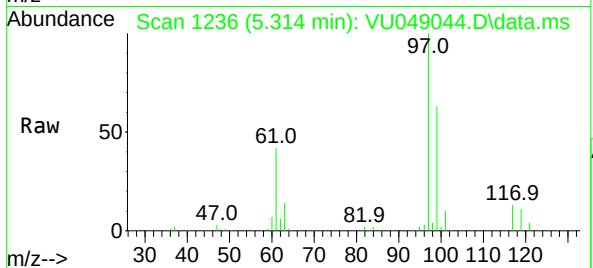
Tgt Ion: 97 Resp: 207573

Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

61 42.6 34.2 51.2



#31

Carbon tetrachloride

Concen: 9.027 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.209 min

Lab File: VU049044.D

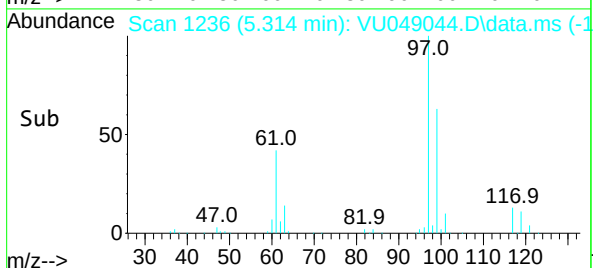
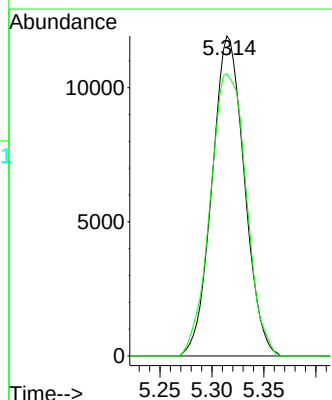
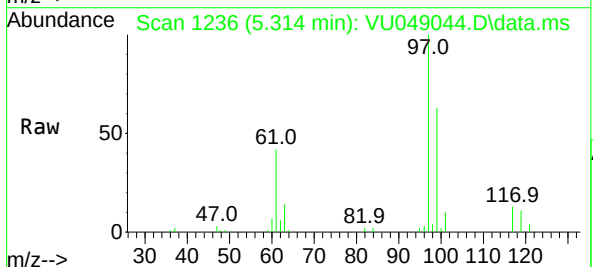
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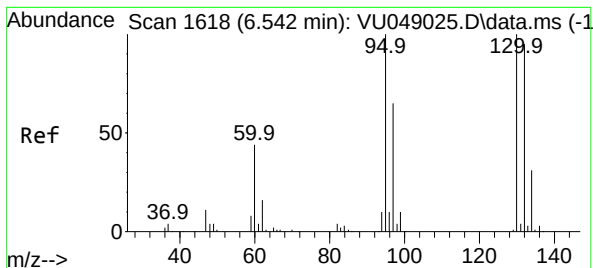
Tgt Ion: 117 Resp: 25762

Ion Ratio Lower Upper

117 100

119 98.5 76.5 114.7





#34

Trichloroethene

Concen: 3.710 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

Instrument :

MSVOA_U

ClientSampleId :

EXYY6

Tgt Ion: 95 Resp: 7090

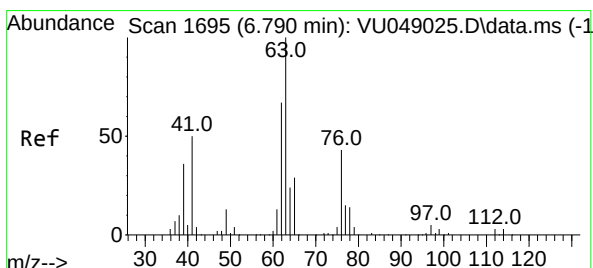
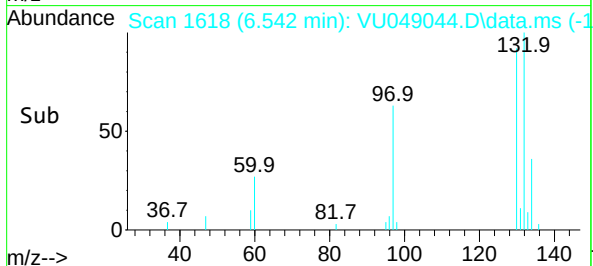
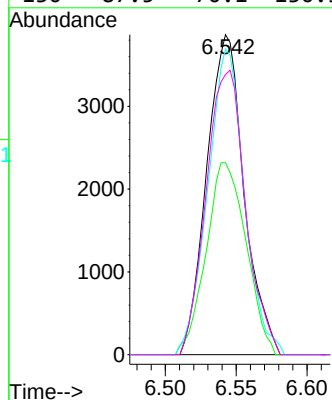
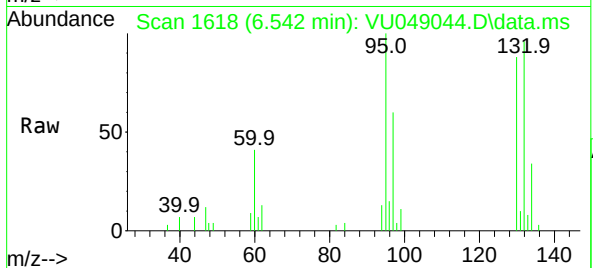
Ion Ratio Lower Upper

95 100

97 60.0 45.4 84.4

132 95.5 67.6 125.6

130 87.5 70.1 130.3



#37

1,2-Dichloropropane

Concen: 5.384 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.096 min

Lab File: VU049044.D

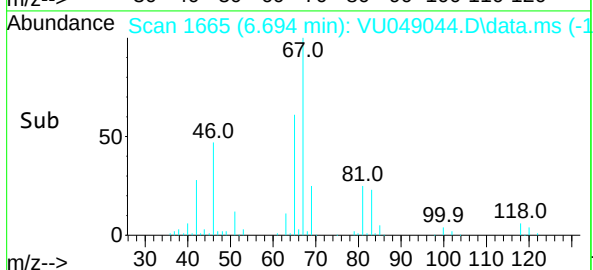
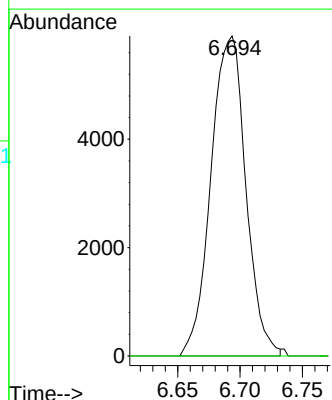
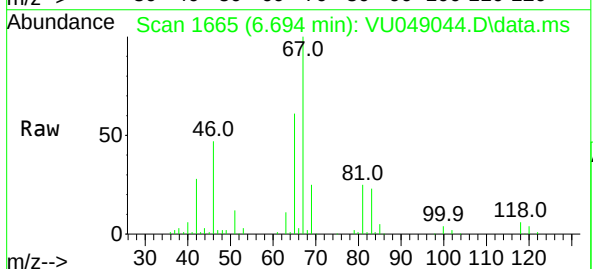
Acq: 11 Jun 2022 10:17

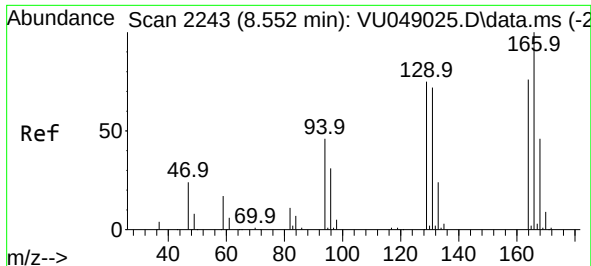
Tgt Ion: 63 Resp: 11510

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#

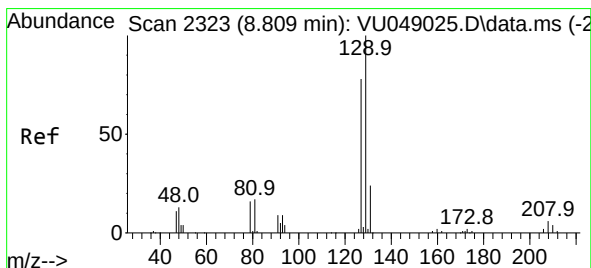
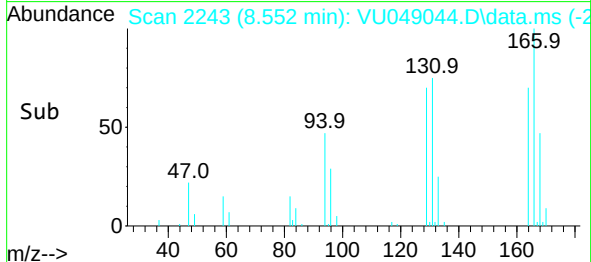
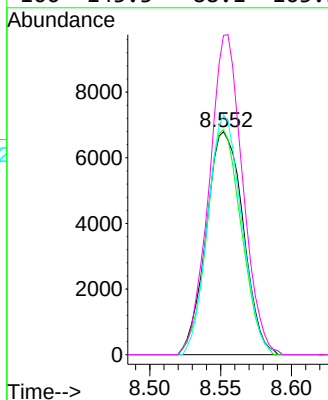
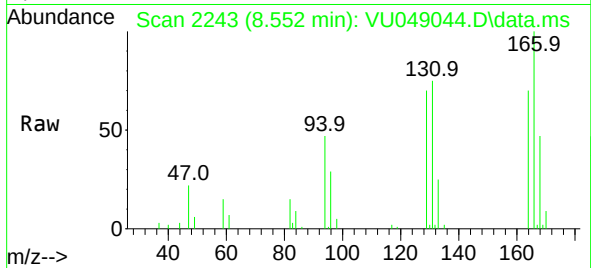




#46
Tetrachloroethene
Concen: 8.328 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049044.D
Acq: 11 Jun 2022 10:17

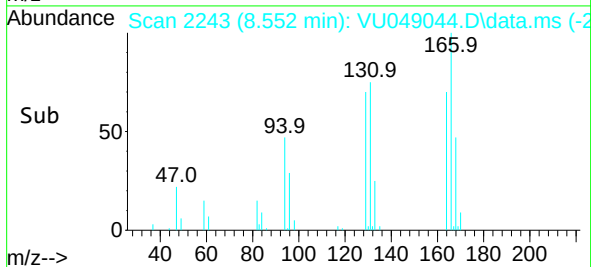
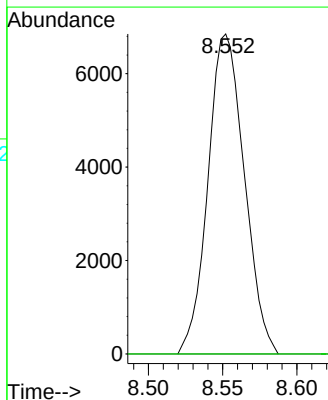
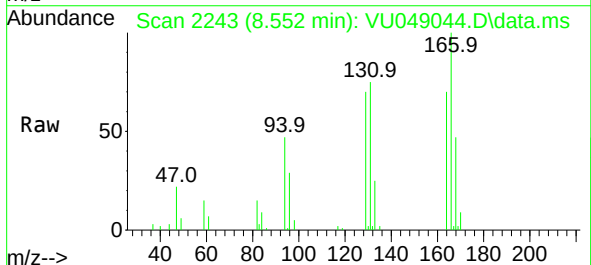
Instrument :
MSVOA_U
ClientSampleId :
EXYY6

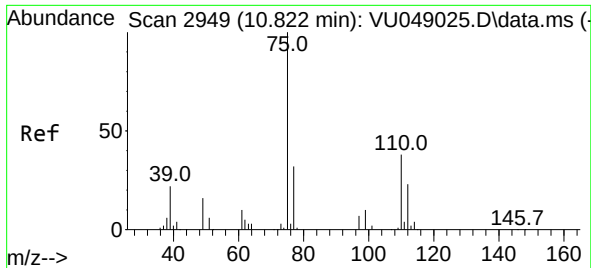
Tgt Ion:164 Resp: 12337
Ion Ratio Lower Upper
164 100
129 100.9 70.9 131.7
131 107.7 66.2 123.0
166 143.3 88.1 163.5



#49
Dibromochloromethane
Concen: 5.060 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU049044.D
Acq: 11 Jun 2022 10:17

Tgt Ion:129 Resp: 11671
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#





#60
 1,2,3-Trichloropropane
 Concen: 3.987 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU049044.D
 Acq: 11 Jun 2022 10:17

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY6

Tgt Ion: 75 Resp: 10413
 Ion Ratio Lower Upper
 75 100
 77 34.6 26.6 40.0
 110 2.5 30.2 45.4#

