

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061623\
 Data File : VU054562.D
 Acq On : 16 Jun 2023 10:33
 Operator : MD/SY
 Sample : 03253-03DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY0DL

Quant Time: Jun 17 06:12:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

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

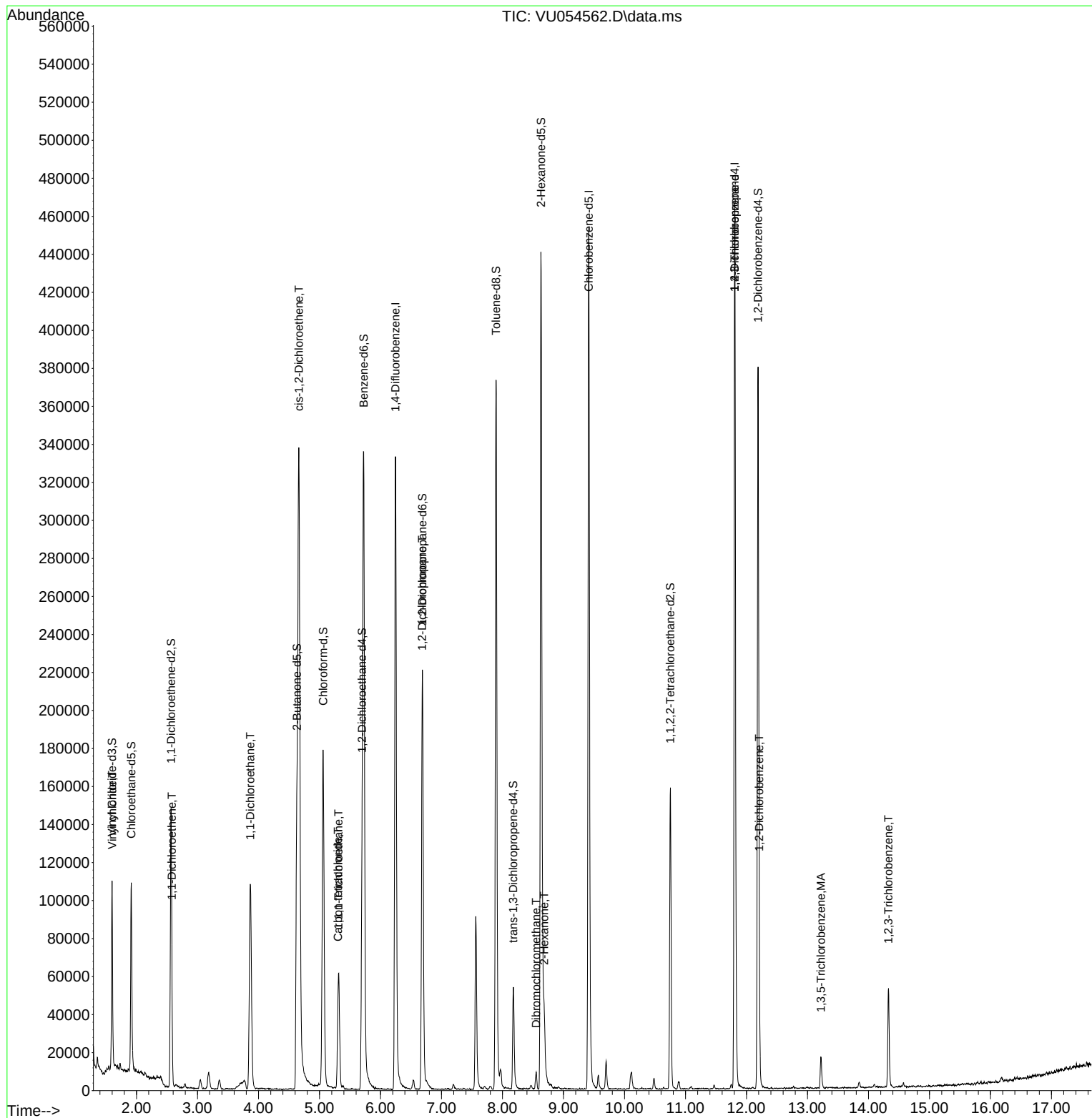
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	277868	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	262132	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127217	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	57794	3.268	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.400%
7) Chloroethane-d5	1.914	69	75895	4.584	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.566	65	28757	3.641	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.800%
20) 2-Butanone-d5	4.631	46	231689	46.599	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.200%
24) Chloroform-d	5.058	84	167856	4.541	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.698	65	83854	4.654	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.724	84	319171	4.380	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
36) 1,2-Dichloropropane-d6	6.685	67	114041	4.686	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.894	98	261075	4.037	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
43) trans-1,3-Dichloroprop...	8.177	79	32903	3.888	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.800%
46) 2-Hexanone-d5	8.631	63	153938	43.359	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.720%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	82769	4.561	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	101264	4.719	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	16926	0.553	ug/L #	72
12) 1,1-Dichloroethene	2.579	96	3357	0.167	ug/L #	1
19) 1,1-Dichloroethane	3.865	63	132267	3.071	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	155797	6.575	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	44656	1.256	ug/L	99
31) Carbon tetrachloride	5.306	117	5915	0.193	ug/L	99
37) 1,2-Dichloropropane	6.682	63	11961	0.470	ug/L #	90
48) 2-Hexanone	8.685	43	18603	1.837	ug/L	93
49) Dibromochloromethane	8.550	129	2120	0.125	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	16365	1.273	ug/L #	68
67) 1,2-Dichlorobenzene	12.209	146	11192	0.280	ug/L	95
69) 1,3,5-Trichlorobenzene	13.219	180	6420	0.196	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	17781	0.763	ug/L	99

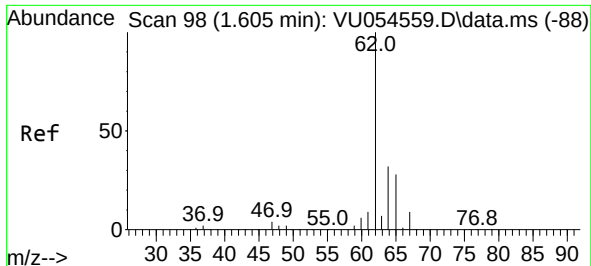
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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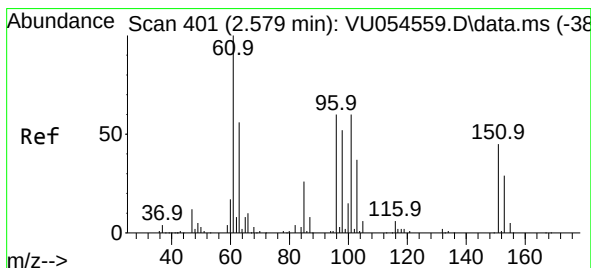
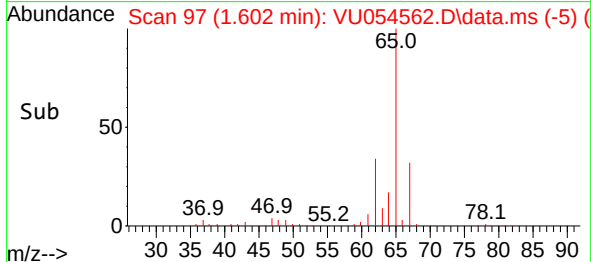
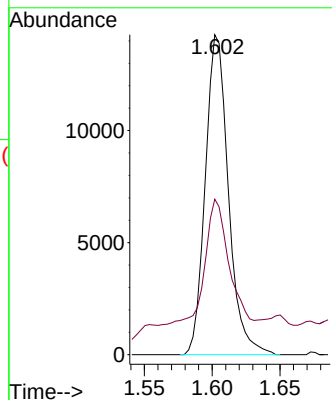
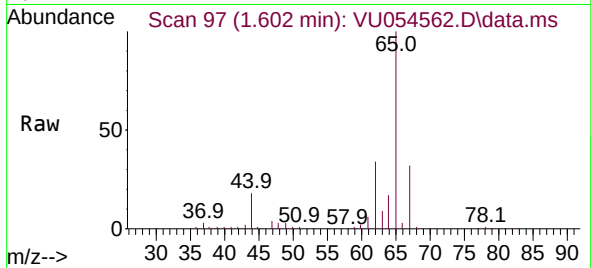




#5
 Vinyl chloride
 Concen: 0.553 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU054562.D
 Acq: 16 Jun 2023 10:33

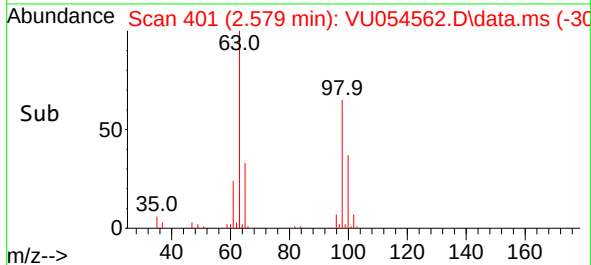
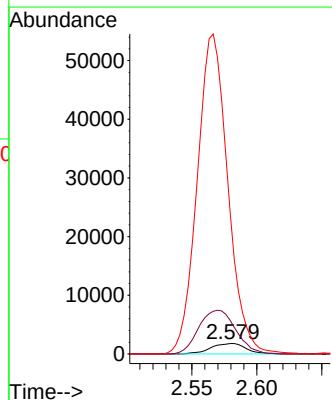
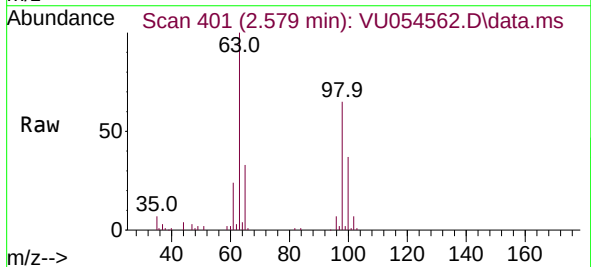
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY0DL

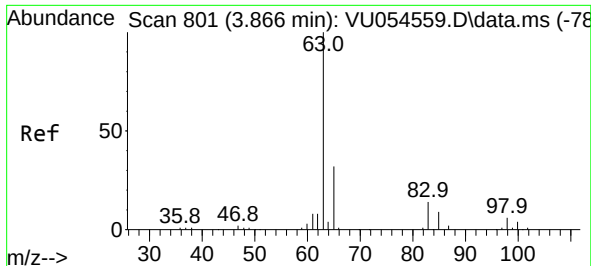
Tgt Ion: 62 Resp: 16926
 Ion Ratio Lower Upper
 62 100
 64 48.6 23.0 42.6#



#12
 1,1-Dichloroethene
 Concen: 0.167 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054562.D
 Acq: 16 Jun 2023 10:33

Tgt Ion: 96 Resp: 3357
 Ion Ratio Lower Upper
 96 100
 61 321.2 119.9 222.7#
 63 1360.3 64.3 119.3#

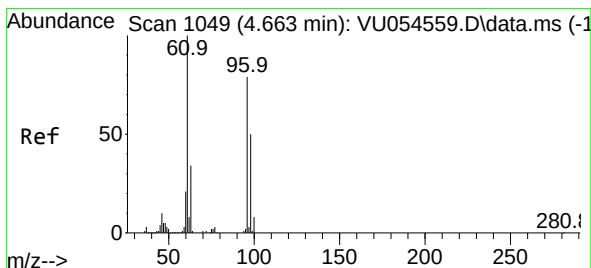
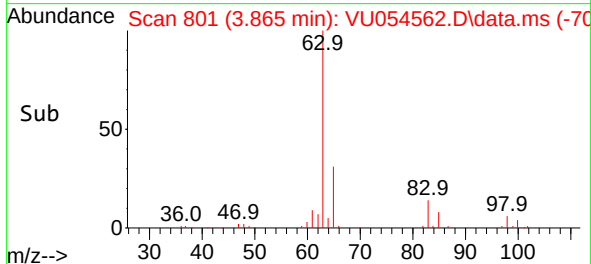
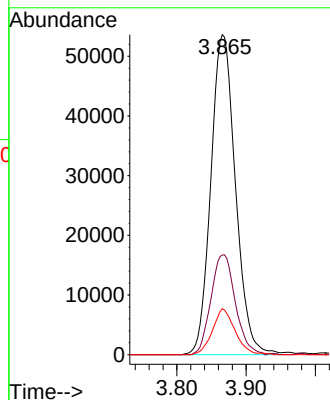
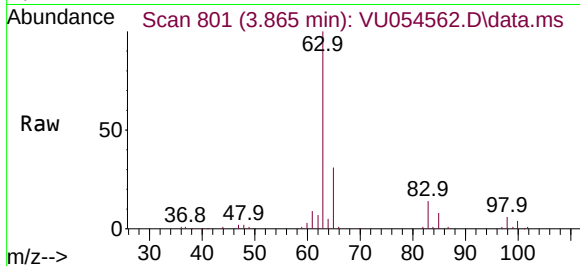




#19
1,1-Dichloroethane
Concen: 3.071 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054562.D
Acq: 16 Jun 2023 10:33

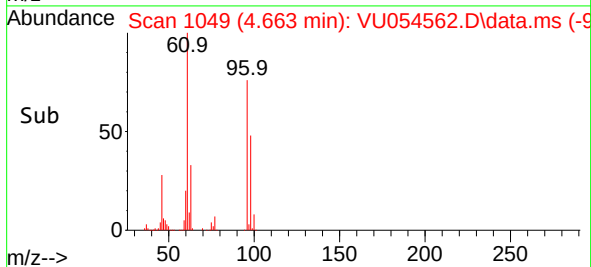
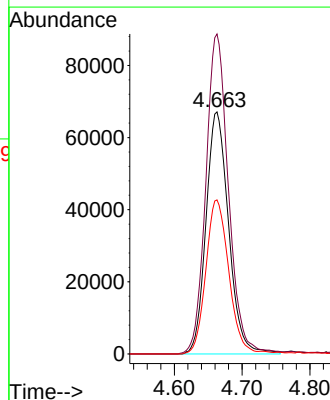
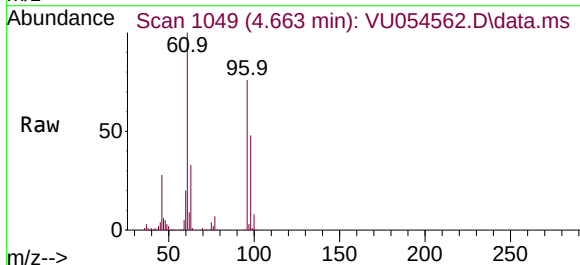
Instrument :
MSVOA_U
ClientSampleId :
EXYY0DL

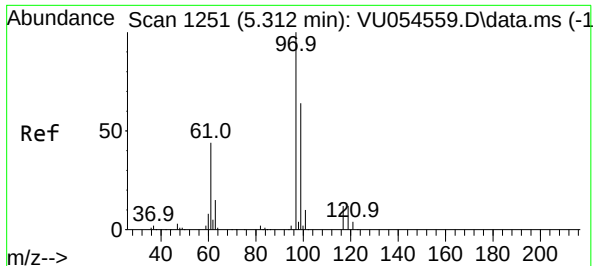
Tgt Ion: 63 Resp: 132267
Ion Ratio Lower Upper
63 100
65 31.1 22.2 41.2
83 14.4 9.0 16.6



#22
cis-1,2-Dichloroethene
Concen: 6.575 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU054562.D
Acq: 16 Jun 2023 10:33

Tgt Ion: 96 Resp: 155797
Ion Ratio Lower Upper
96 100
61 132.2 96.5 179.1
98 63.7 44.9 83.3





#29

1,1,1-Trichloroethane

Concen: 1.256 ug/L

RT: 5.312 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054562.D

Acq: 16 Jun 2023 10:33

Instrument :

MSVOA_U

ClientSampleId :

EXYY0DL

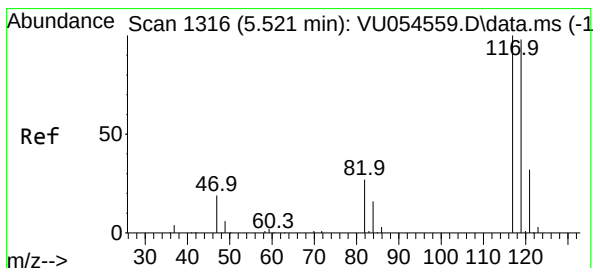
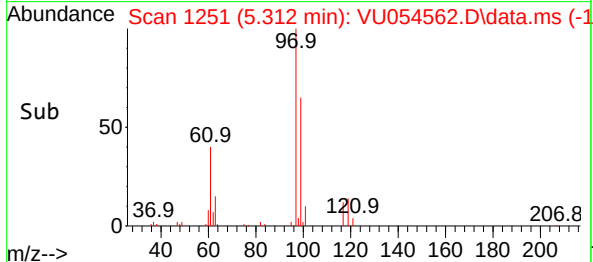
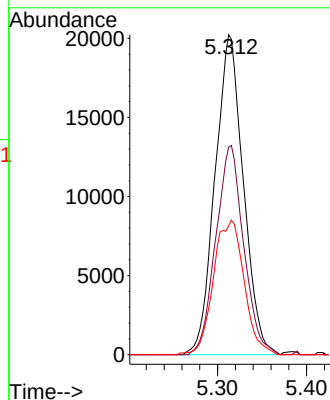
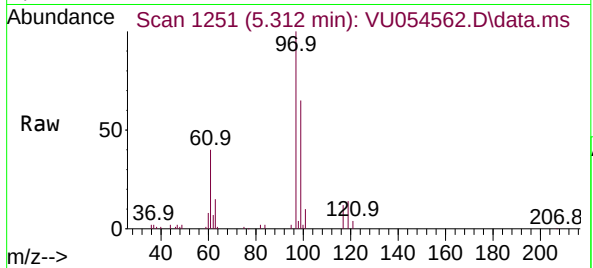
Tgt Ion: 97 Resp: 44656

Ion Ratio Lower Upper

97 100

99 64.5 50.8 76.2

61 45.5 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.193 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.216 min

Lab File: VU054562.D

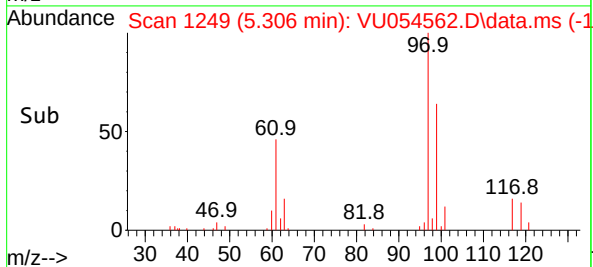
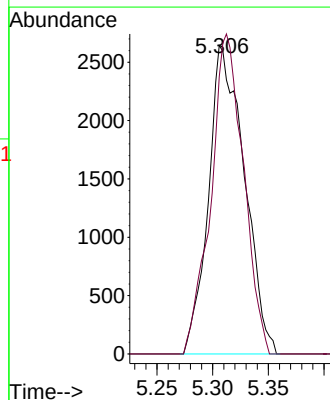
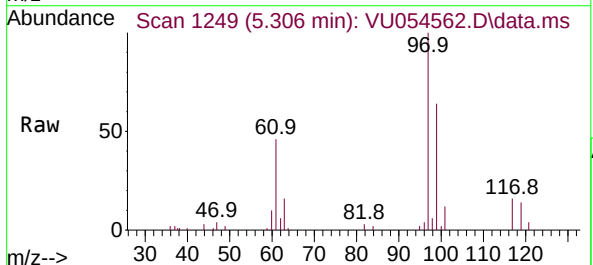
Acq: 16 Jun 2023 10:33

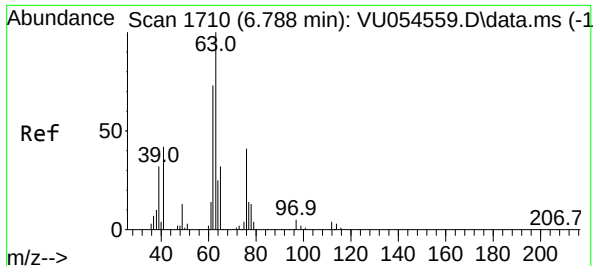
Tgt Ion: 117 Resp: 5915

Ion Ratio Lower Upper

117 100

119 94.6 76.8 115.2





#37

1,2-Dichloropropane

Concen: 0.470 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.106 min

Lab File: VU054562.D

Acq: 16 Jun 2023 10:33

Instrument :

MSVOA_U

ClientSampleId :

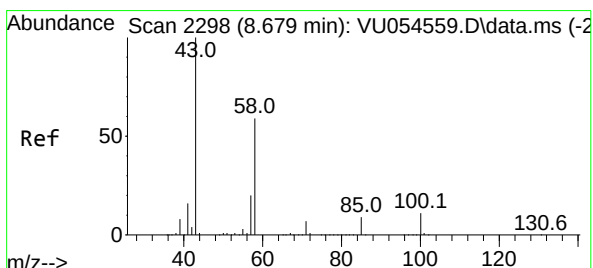
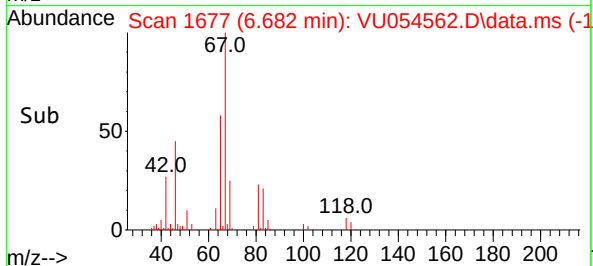
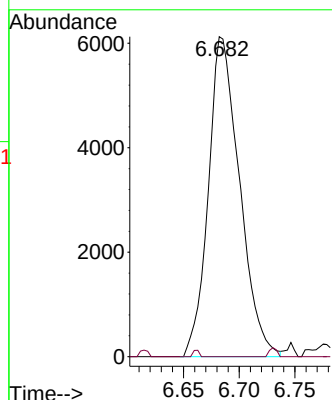
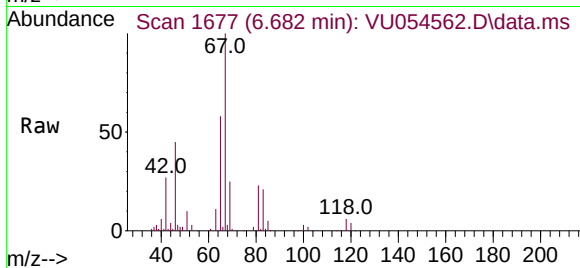
EXYY0DL

Tgt Ion: 63 Resp: 11961

Ion Ratio Lower Upper

63 100

112 0.4 3.0 4.6#



#48

2-Hexanone

Concen: 1.837 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.006 min

Lab File: VU054562.D

Acq: 16 Jun 2023 10:33

Tgt Ion: 43 Resp: 18603

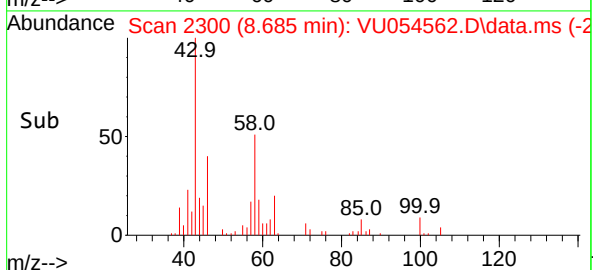
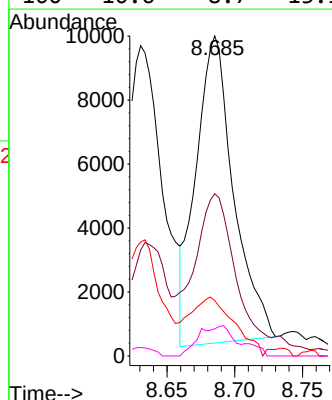
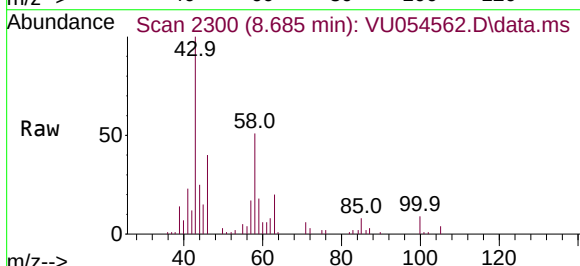
Ion Ratio Lower Upper

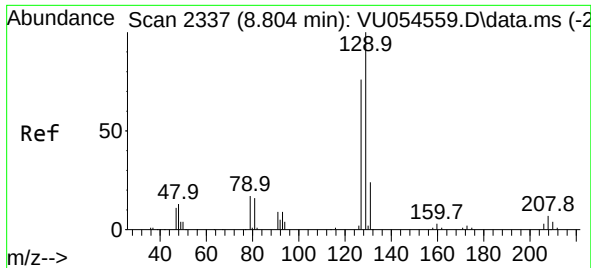
43 100

58 50.1 45.2 67.8

57 22.2 15.8 23.6

100 10.6 8.7 13.1

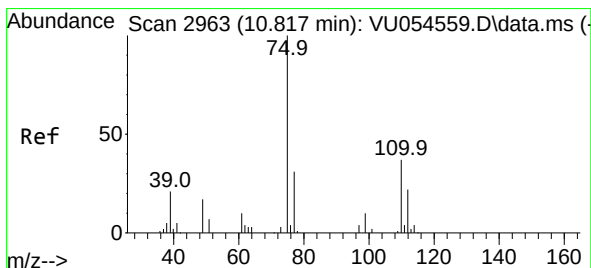
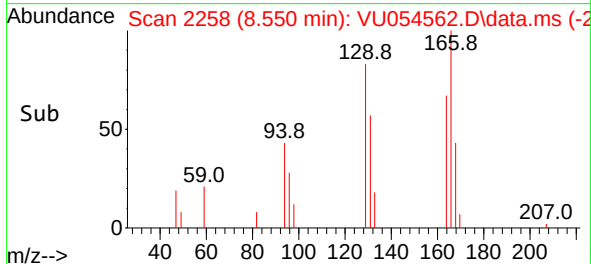
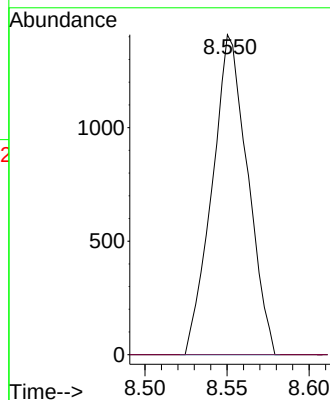
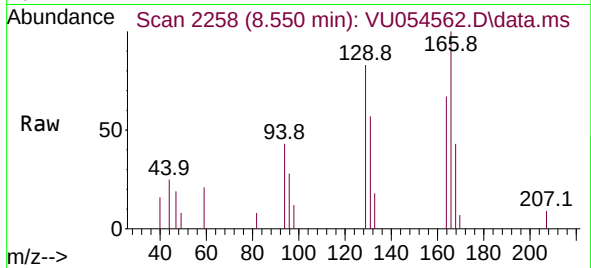




#49
Dibromochloromethane
Concen: 0.125 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU054562.D
Acq: 16 Jun 2023 10:33

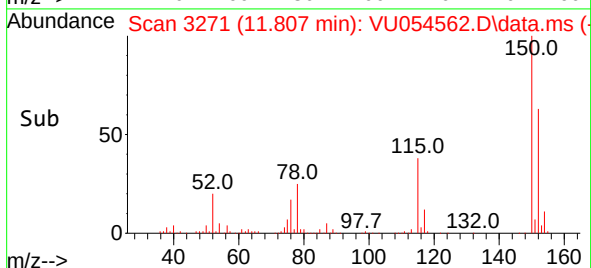
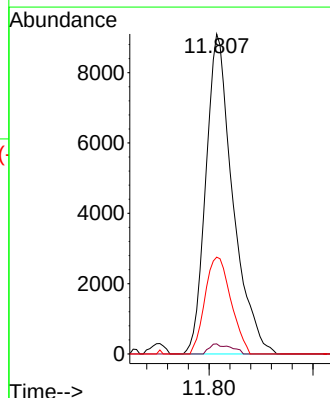
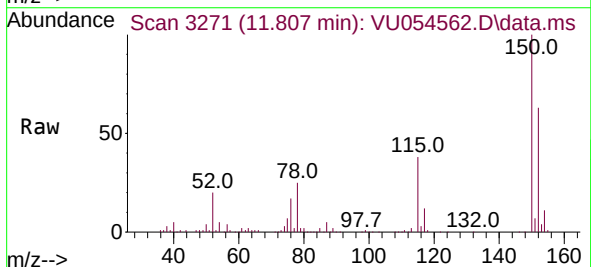
Instrument :
MSVOA_U
ClientSampleId :
EXYY0DL

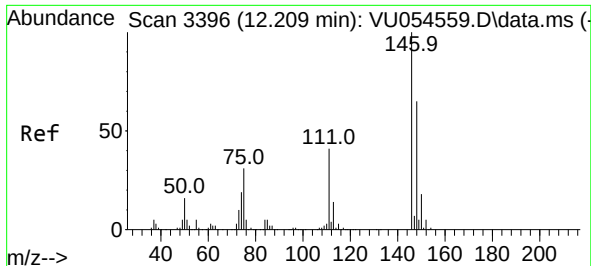
Tgt Ion:129 Resp: 2120
Ion Ratio Lower Upper
129 100
127 0.0 53.2 98.8#



#61
1,2,3-Trichloropropane
Concen: 1.273 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU054562.D
Acq: 16 Jun 2023 10:33

Tgt Ion: 75 Resp: 16365
Ion Ratio Lower Upper
75 100
110 2.5 28.0 42.0#
77 29.1 25.4 38.2





#67

1,2-Dichlorobenzene

Concen: 0.280 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054562.D

Acq: 16 Jun 2023 10:33

Instrument :

MSVOA_U

ClientSampleId :

EXYY0DL

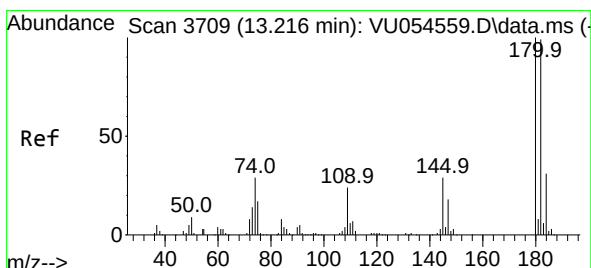
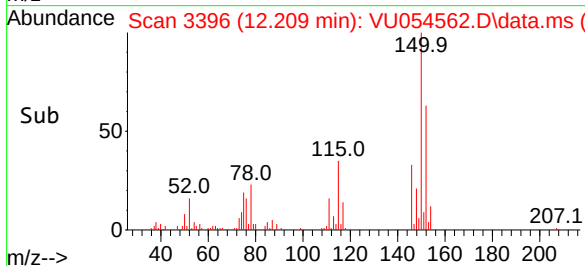
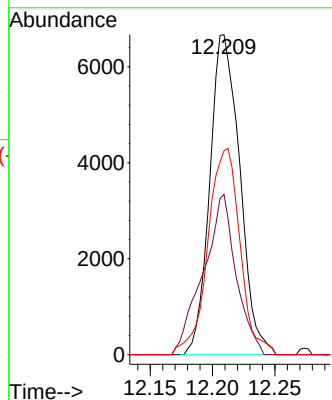
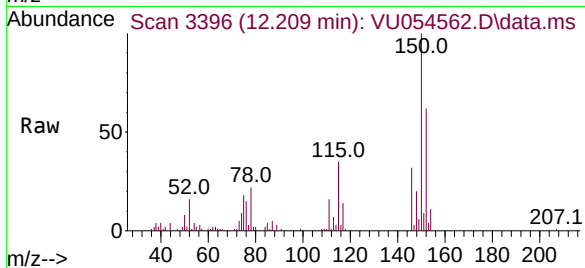
Tgt Ion:146 Resp: 11192

Ion Ratio Lower Upper

146 100

111 50.1 34.5 51.7

148 63.8 50.9 76.3



#69

1,3,5-Trichlorobenzene

Concen: 0.196 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. 0.003 min

Lab File: VU054562.D

Acq: 16 Jun 2023 10:33

Tgt Ion:180 Resp: 6420

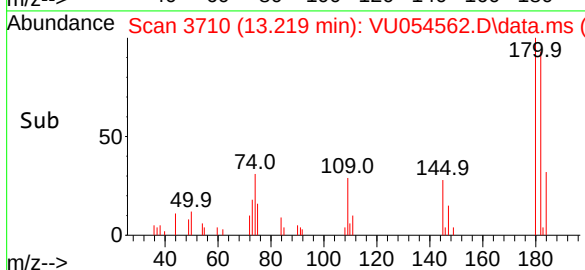
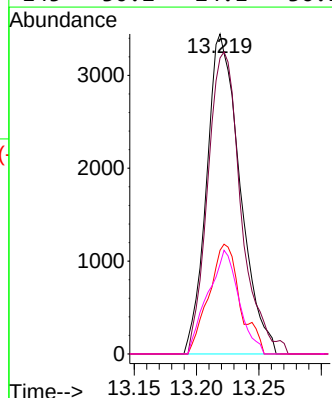
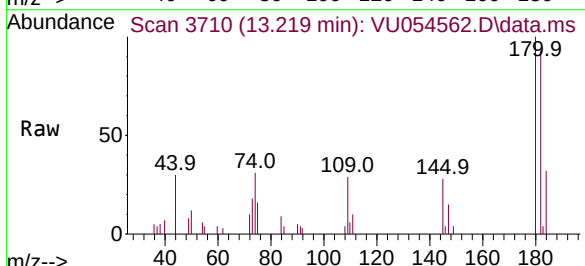
Ion Ratio Lower Upper

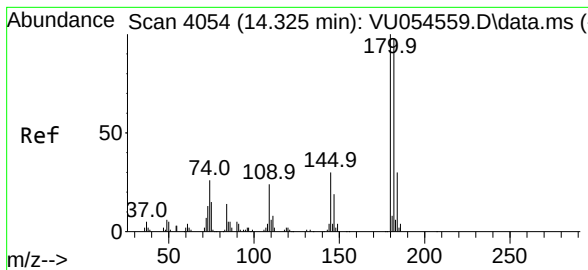
180 100

182 93.9 75.0 112.6

184 32.1 24.1 36.1

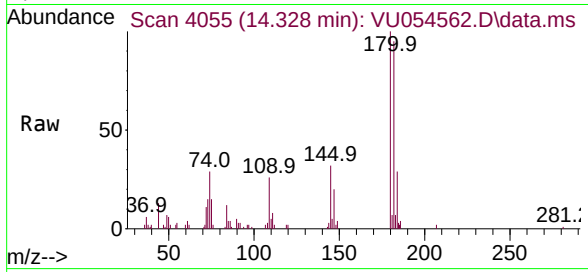
145 30.2 24.1 36.1





#72
 1,2,3-Trichlorobenzene
 Concen: 0.763 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.003 min
 Lab File: VU054562.D
 Acq: 16 Jun 2023 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY0DL



Tgt Ion:	180	Resp:	17781
Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.4	113.2
145	30.3	26.0	39.0

