

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054526.D
 Acq On : 15 Jun 2023 15:11
 Operator : MD/SY
 Sample : 03253-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY0

Quant Time: Jun 16 01:32:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

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

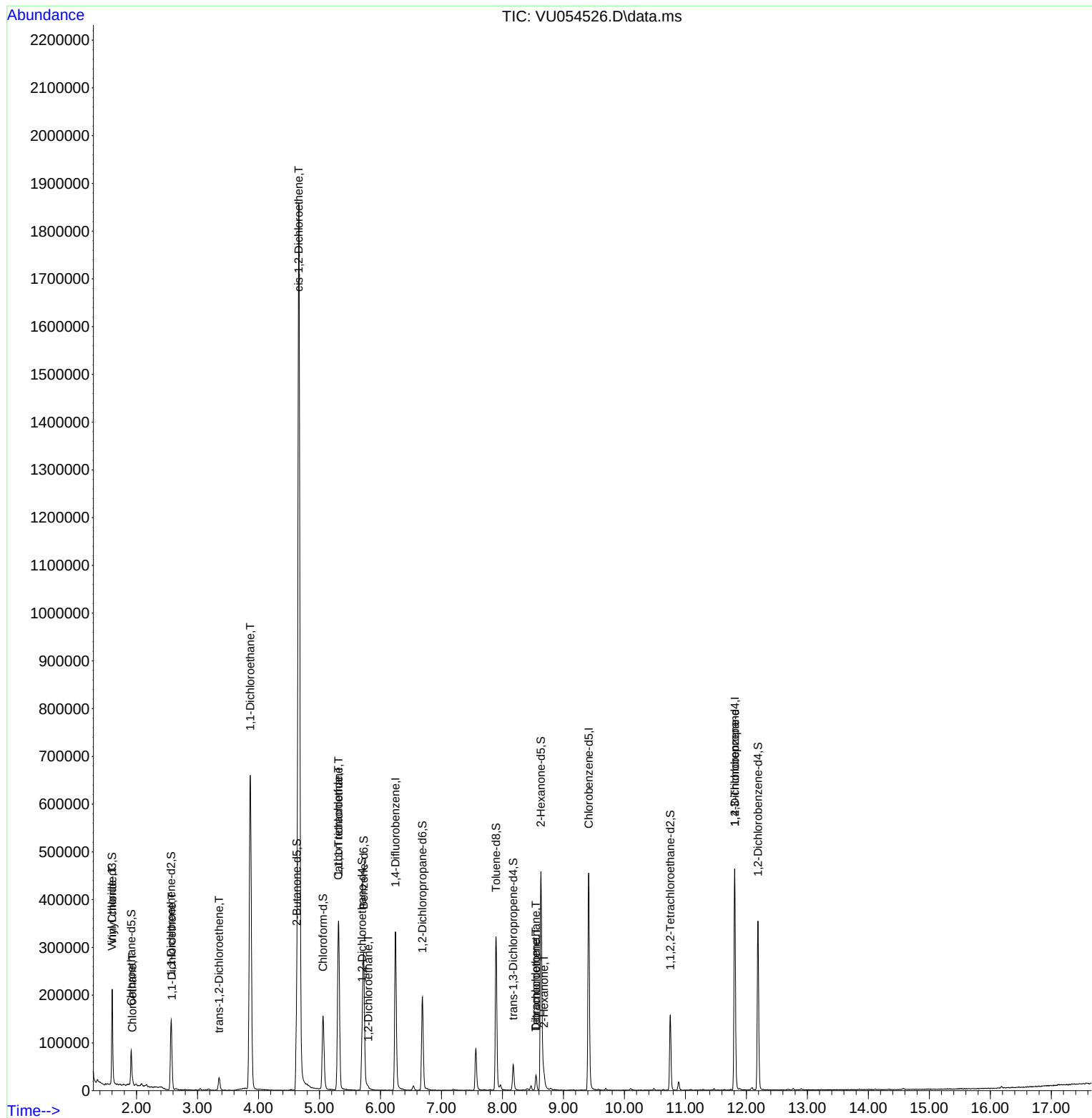
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	271315	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	263025	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	130284	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	49329	2.857	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.200%
7) Chloroethane-d5	1.914	69	56008	3.464	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.200%
11) 1,1-Dichloroethene-d2	2.567	65	24686	3.201	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.000%
20) 2-Butanone-d5	4.628	46	250917	51.685	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.380%
24) Chloroform-d	5.058	84	145134	4.021	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
26) 1,2-Dichloroethane-d4	5.698	65	75777	4.307	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.724	84	271775	3.717	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
36) 1,2-Dichloropropane-d6	6.689	67	100408	4.112	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.200%
41) Toluene-d8	7.894	98	221680	3.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
43) trans-1,3-Dichloroprop...	8.177	79	31996	3.768	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.400%
46) 2-Hexanone-d5	8.631	63	156600	43.959	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.920%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	84294	4.629	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	94879	4.318	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	102800	3.439	ug/L	98
8) Chloroethane	1.933	64	5174	0.289	ug/L	97
12) 1,1-Dichloroethene	2.579	96	14213	0.722	ug/L #	8
18) trans-1,2-Dichloroethene	3.354	96	11360	0.559	ug/L	92
19) 1,1-Dichloroethane	3.865	63	784508	18.658	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	969343	41.896	ug/L	96
27) 1,2-Dichloroethane	5.801	62	3242	0.133	ug/L #	93
29) 1,1,1-Trichloroethane	5.312	97	261382	7.329	ug/L	98
31) Carbon tetrachloride	5.309	117	34634	1.127	ug/L	99
47) Tetrachloroethene	8.547	164	7242	0.378	ug/L	97
48) 2-Hexanone	8.682	43	14141	1.391	ug/L #	88
49) Dibromochloromethane	8.550	129	6855	0.402	ug/L #	11
61) 1,2,3-Trichloropropane	11.810	75	15161	1.151	ug/L #	70

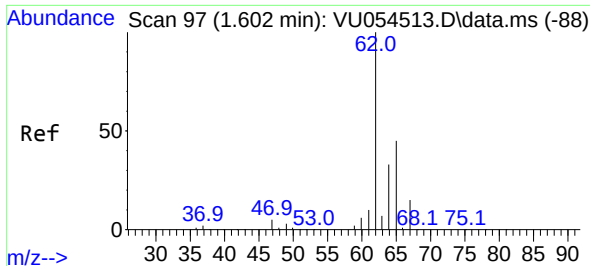
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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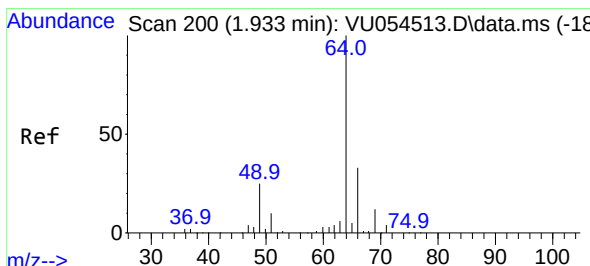
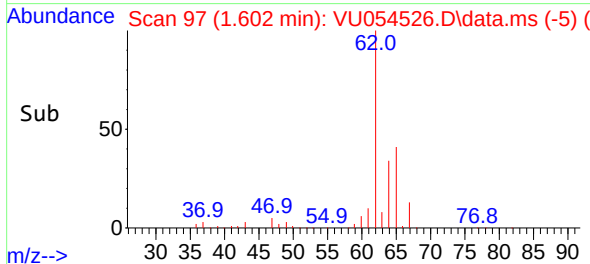
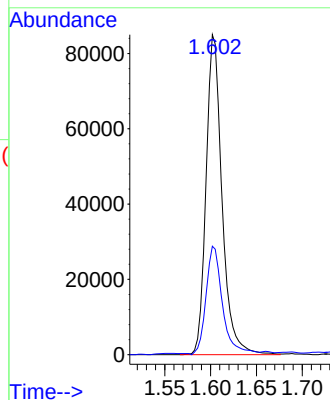
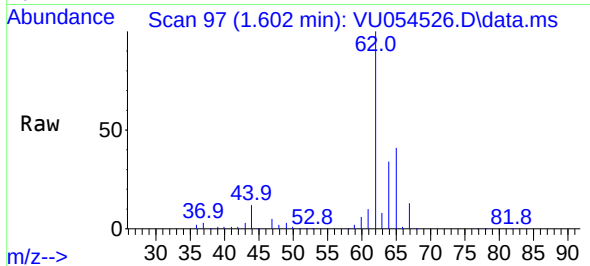




#5
 Vinyl chloride
 Concen: 3.439 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU054526.D
 Acq: 15 Jun 2023 15:11

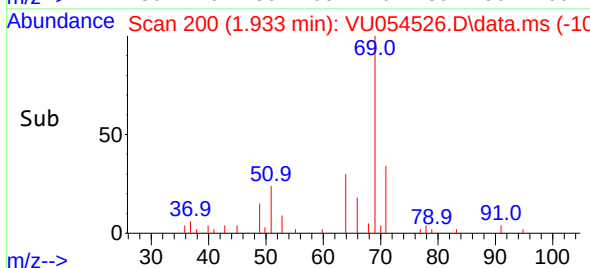
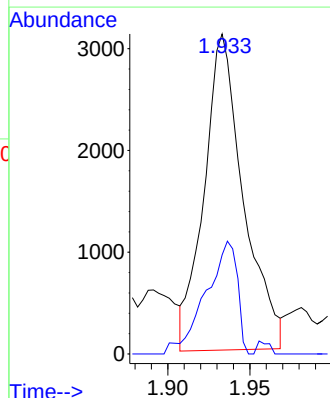
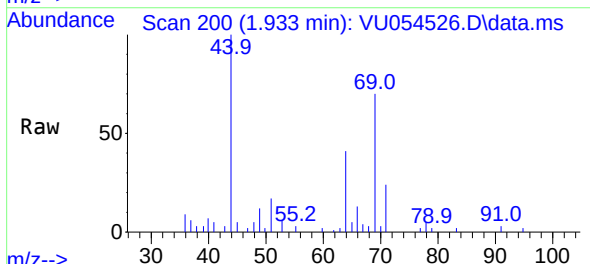
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY0

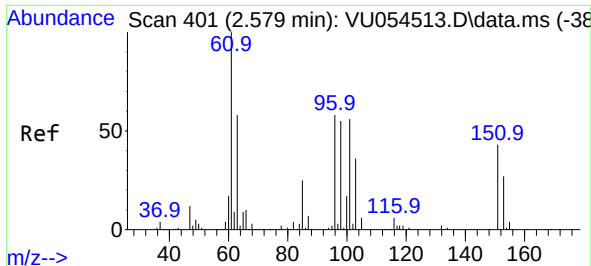
Tgt Ion: 62 Resp: 102800
 Ion Ratio Lower Upper
 62 100
 64 33.9 23.0 42.6



#8
 Chloroethane
 Concen: 0.289 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. -0.000 min
 Lab File: VU054526.D
 Acq: 15 Jun 2023 15:11

Tgt Ion: 64 Resp: 5174
 Ion Ratio Lower Upper
 64 100
 66 30.9 22.9 42.5





#12

1,1-Dichloroethene

Concen: 0.722 ug/L

RT: 2.579 min Scan# 401

Delta R.T. -0.000 min

Lab File: VU054526.D

Acq: 15 Jun 2023 15:11

Instrument :

MSVOA_U

ClientSampleId :

EXYY0

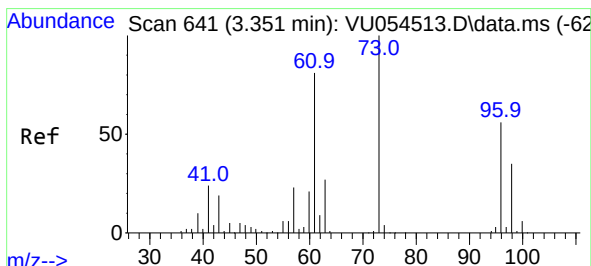
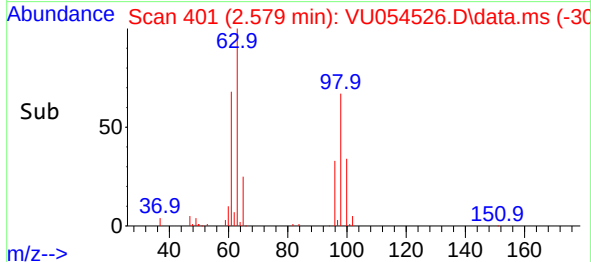
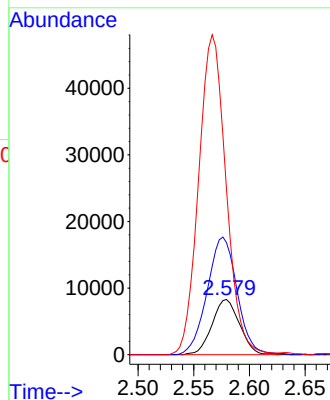
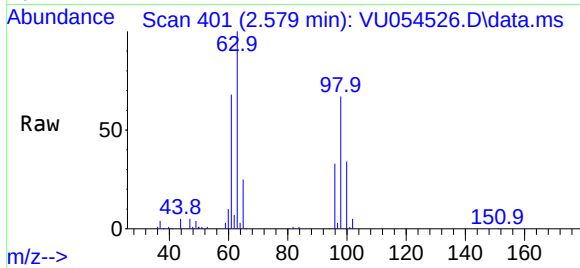
Tgt Ion: 96 Resp: 14213

Ion Ratio Lower Upper

96 100

61 203.5 119.9 222.7

63 301.4 64.3 119.3#



#18

trans-1,2-Dichloroethene

Concen: 0.559 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU054526.D

Acq: 15 Jun 2023 15:11

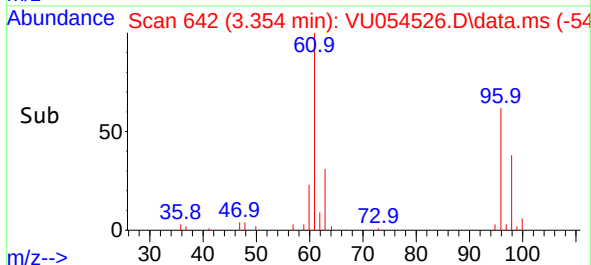
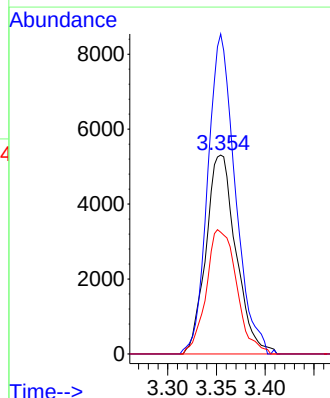
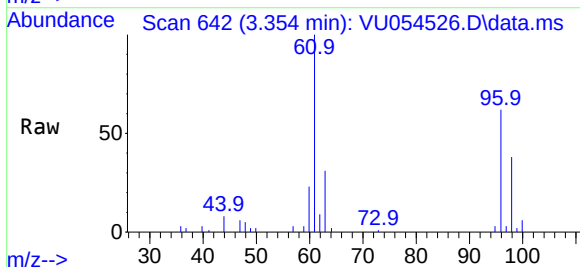
Tgt Ion: 96 Resp: 11360

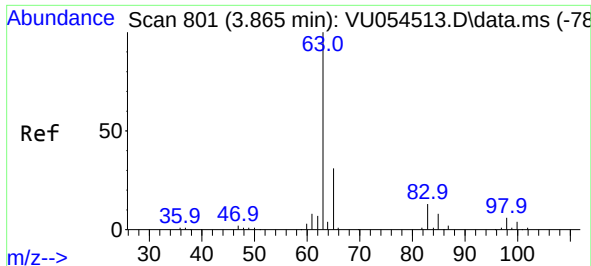
Ion Ratio Lower Upper

96 100

61 160.9 104.6 194.2

98 61.2 45.4 84.4

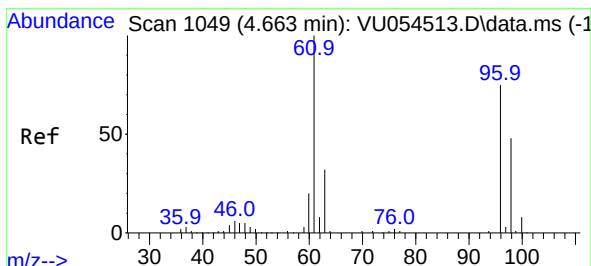
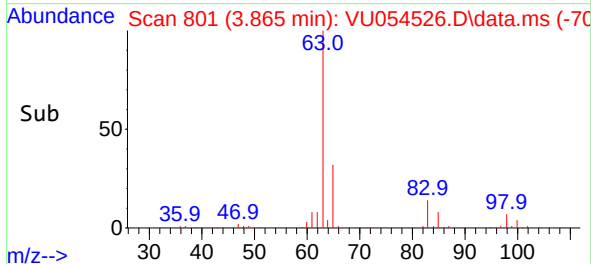
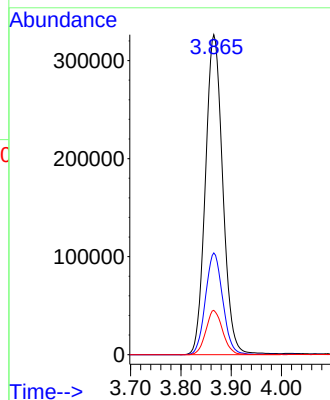
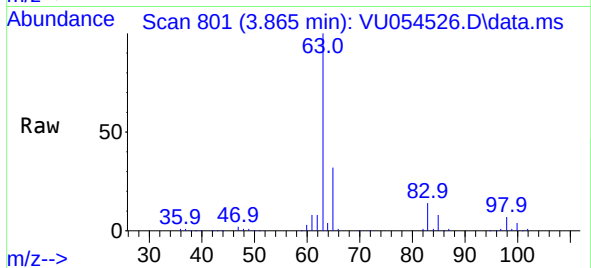




#19
1,1-Dichloroethane
Concen: 18.658 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054526.D
Acq: 15 Jun 2023 15:11

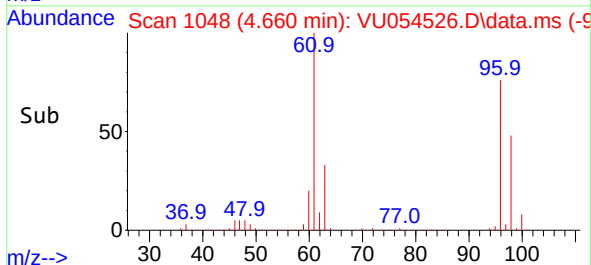
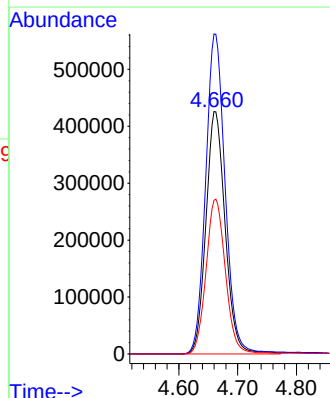
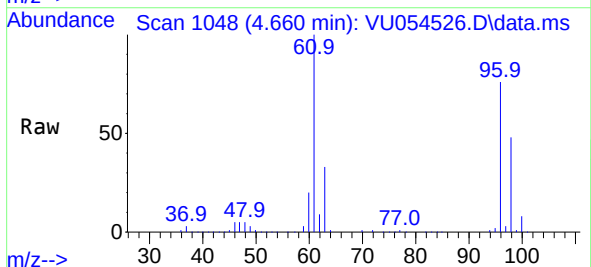
Instrument :
MSVOA_U
ClientSampleId :
EXYY0

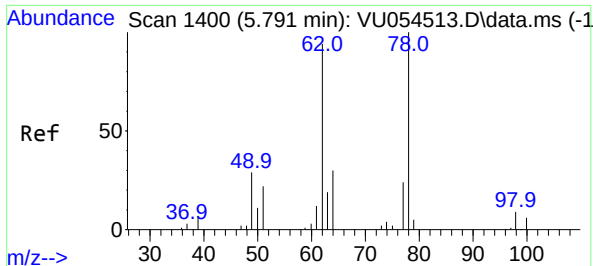
Tgt Ion: 63 Resp: 784508
Ion Ratio Lower Upper
63 100
65 31.8 22.2 41.2
83 13.8 9.0 16.6



#22
cis-1,2-Dichloroethene
Concen: 41.896 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU054526.D
Acq: 15 Jun 2023 15:11

Tgt Ion: 96 Resp: 969343
Ion Ratio Lower Upper
96 100
61 132.0 96.5 179.1
98 63.4 44.9 83.3

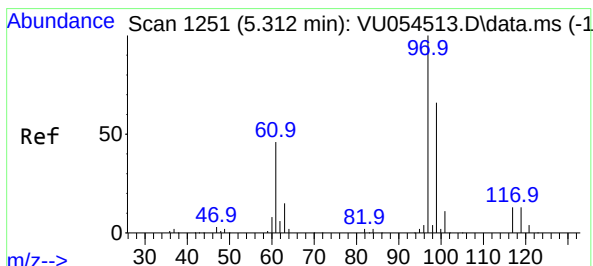
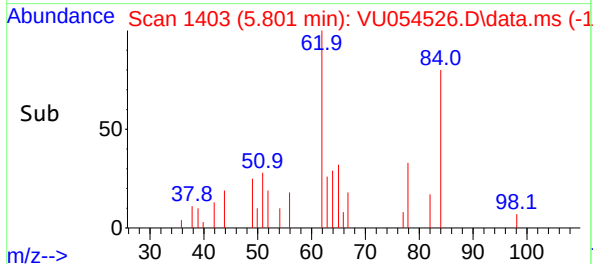
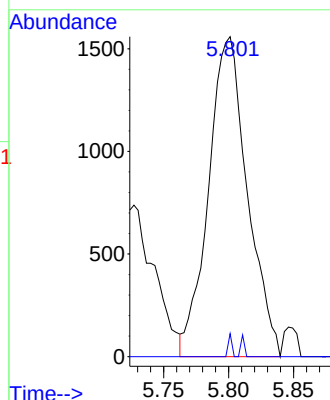
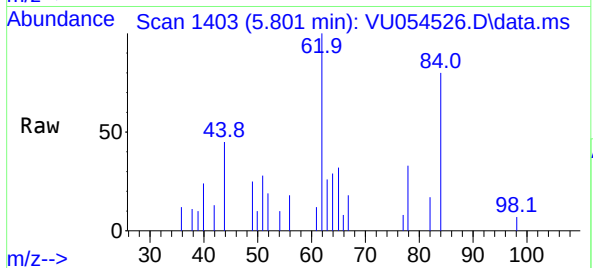




#27
1,2-Dichloroethane
Concen: 0.133 ug/L
RT: 5.801 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VU054526.D
Acq: 15 Jun 2023 15:11

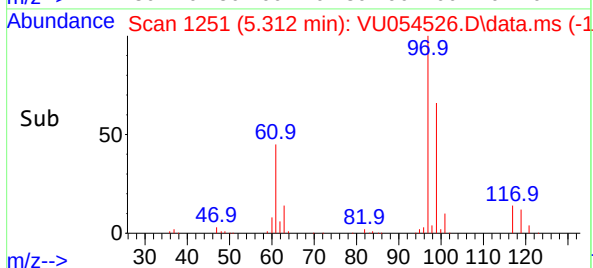
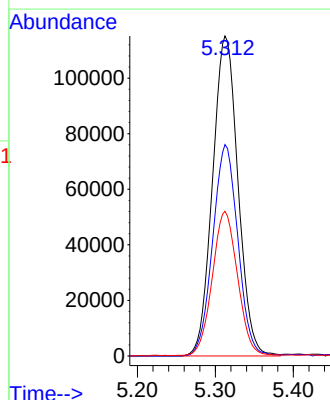
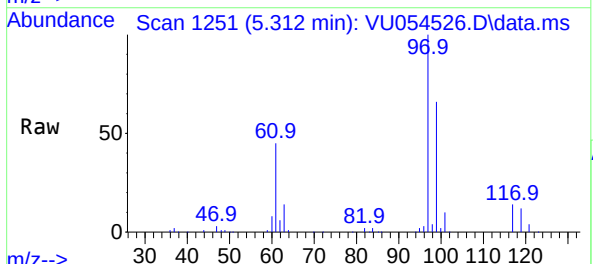
Instrument :
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ClientSampleId :
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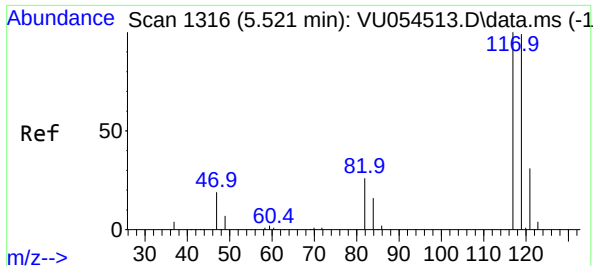
Tgt Ion: 62 Resp: 3242
Ion Ratio Lower Upper
62 100
98 7.2 7.8 11.6#



#29
1,1,1-Trichloroethane
Concen: 7.329 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU054526.D
Acq: 15 Jun 2023 15:11

Tgt Ion: 97 Resp: 261382
Ion Ratio Lower Upper
97 100
99 65.4 50.8 76.2
61 44.7 36.1 54.1

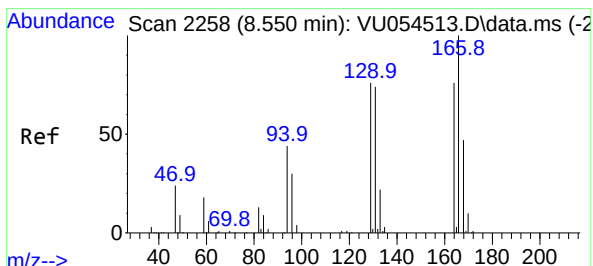
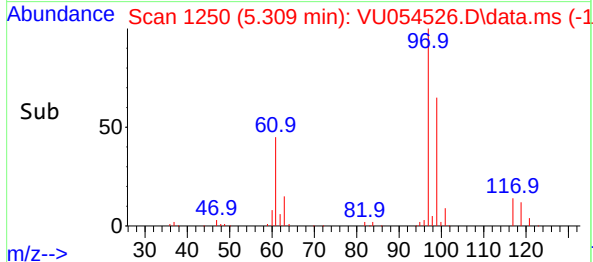
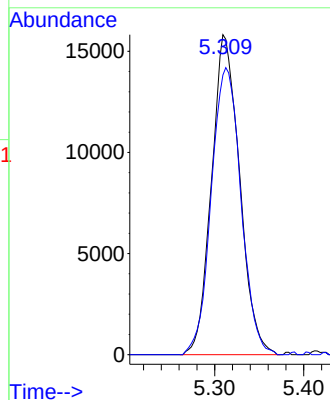
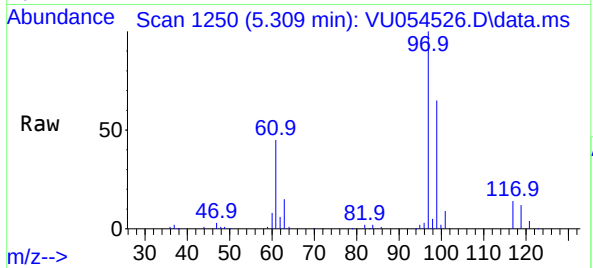




#31
Carbon tetrachloride
Concen: 1.127 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU054526.D
Acq: 15 Jun 2023 15:11

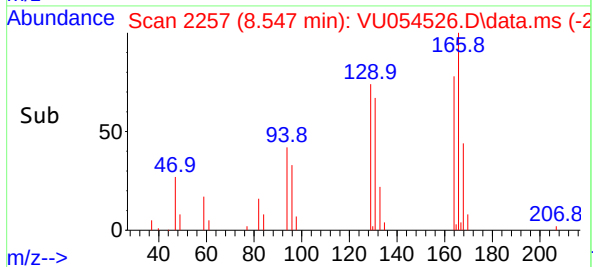
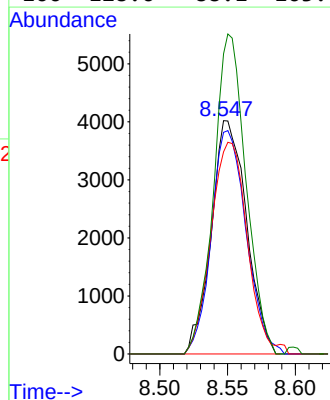
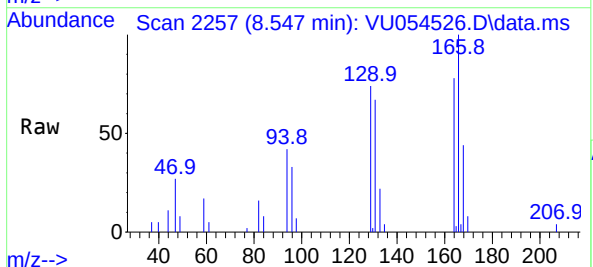
Instrument :
MSVOA_U
ClientSampleId :
EXYY0

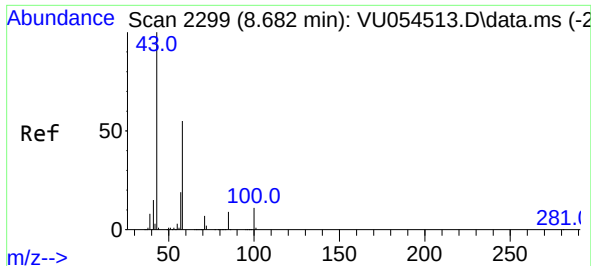
Tgt Ion:117 Resp: 34634
Ion Ratio Lower Upper
117 100
119 94.7 76.8 115.2



#47
Tetrachloroethene
Concen: 0.378 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU054526.D
Acq: 15 Jun 2023 15:11

Tgt Ion:164 Resp: 7242
Ion Ratio Lower Upper
164 100
129 95.0 67.7 125.7
131 86.6 64.6 120.0
166 128.6 88.1 163.7



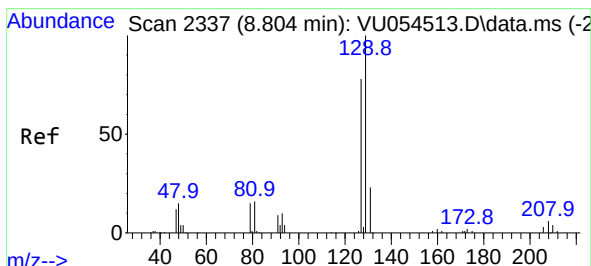
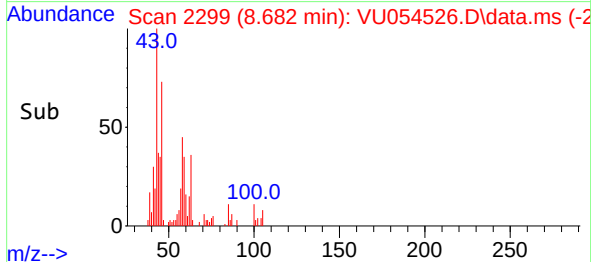
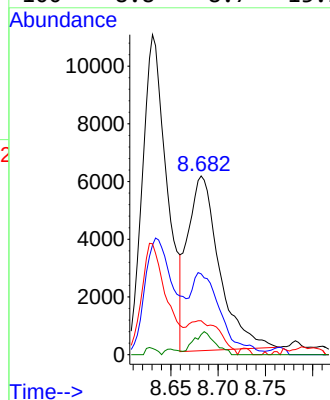
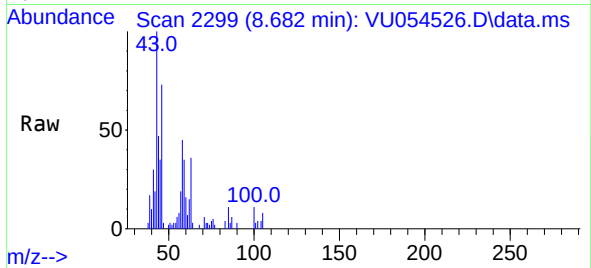


#48
2-Hexanone
Concen: 1.391 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054526.D
Acq: 15 Jun 2023 15:11

Instrument :
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Tgt Ion: 43 Resp: 14141

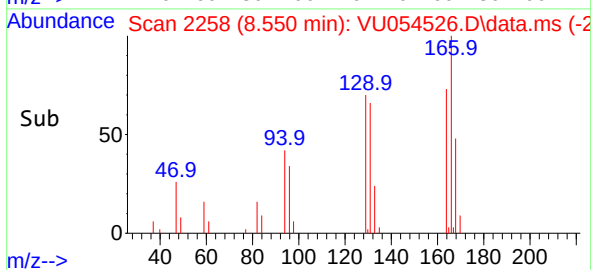
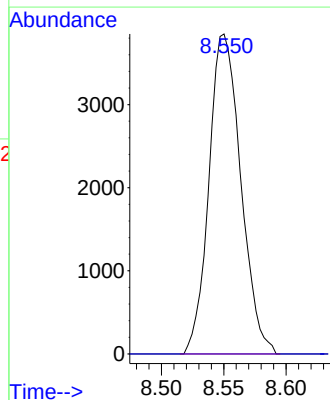
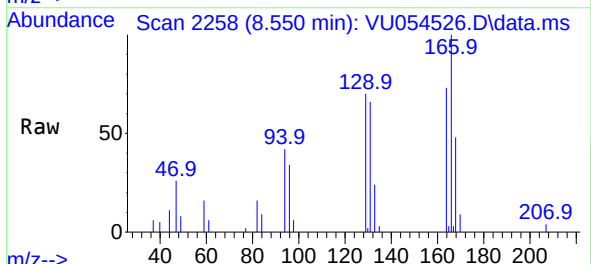
Ion	Ratio	Lower	Upper
43	100		
58	44.7	45.2	67.8#
57	18.4	15.8	23.6
100	8.8	8.7	13.1

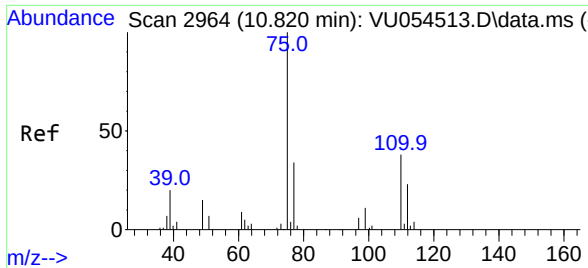


#49
Dibromochloromethane
Concen: 0.402 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU054526.D
Acq: 15 Jun 2023 15:11

Tgt Ion: 129 Resp: 6855

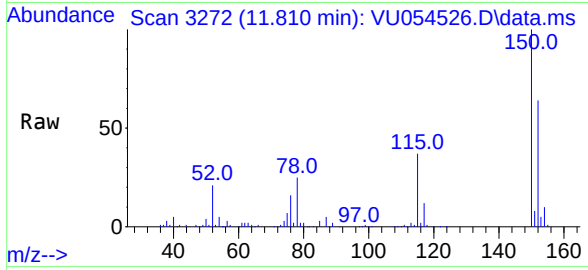
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.2	98.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.151 ug/L
 RT: 11.810 min Scan# 31
 Delta R.T. 0.993 min
 Lab File: VU054526.D
 Acq: 15 Jun 2023 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY0



Tgt Ion: 75 Resp: 15161

Ion	Ratio	Lower	Upper
75	100		
110	3.4	28.0	42.0#
77	33.7	25.4	38.2

