

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061923\
 Data File : VU054595.D
 Acq On : 19 Jun 2023 14:42
 Operator : MD/SY
 Sample : 03284-08DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCGZ5DL

Quant Time: Jun 20 05:52:27 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)

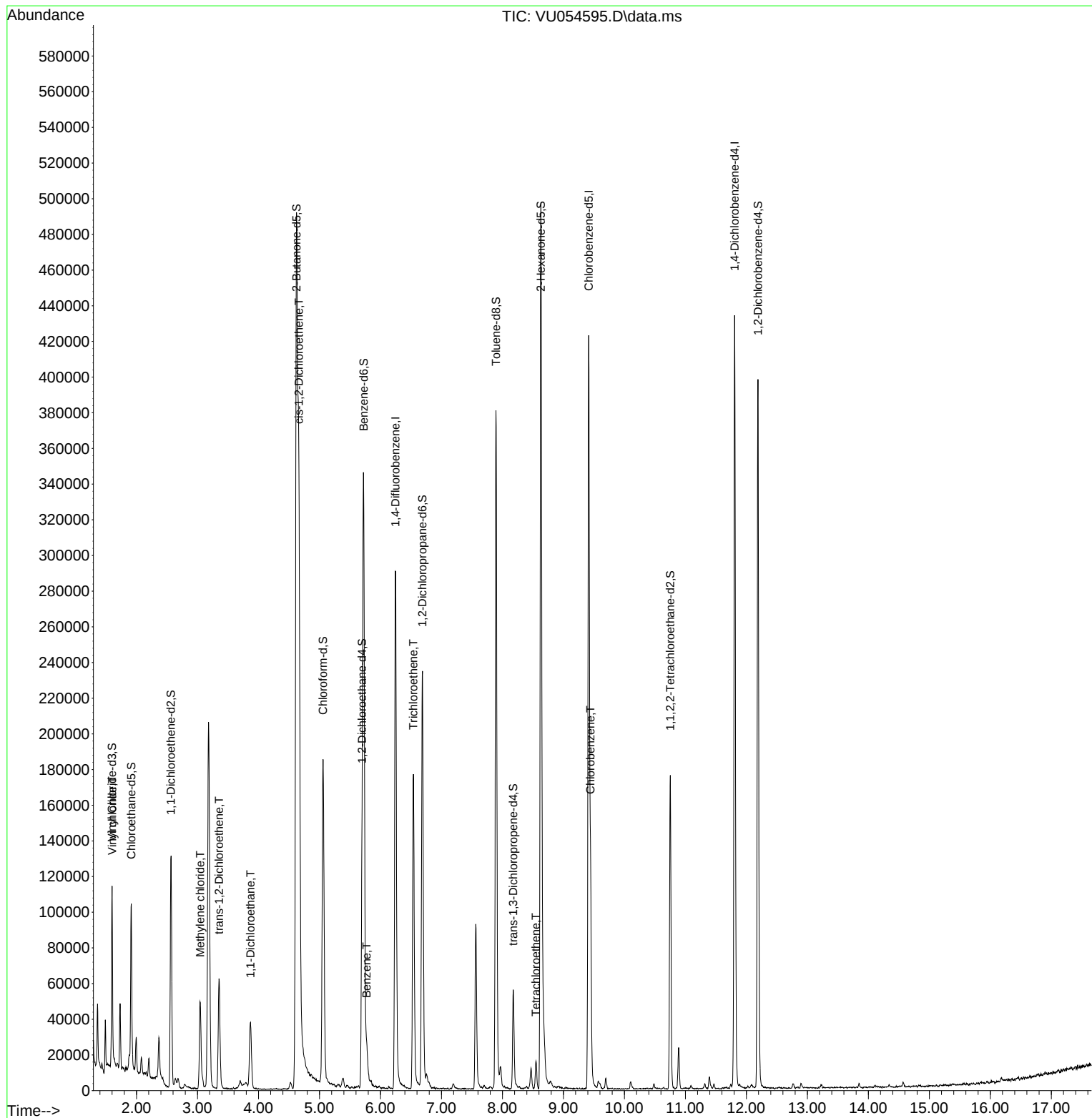
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	247956	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	244496	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	119186	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	49966	3.166	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	63.400%	
7) Chloroethane-d5	1.914	69	73183	4.953	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	99.000%	
11) 1,1-Dichloroethene-d2	2.563	65	25045	3.554	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	71.000%	
20) 2-Butanone-d5	4.624	46	264453	59.605	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	119.220%	
24) Chloroform-d	5.058	84	173275	5.253	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	105.000%	
26) 1,2-Dichloroethane-d4	5.698	65	87506	5.442	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	108.800%	
32) Benzene-d6	5.724	84	324793	4.779	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.600%	
36) 1,2-Dichloropropane-d6	6.689	67	115816	5.103	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	102.000%	
41) Toluene-d8	7.894	98	261679	4.338	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.800%	
43) trans-1,3-Dichloroprop...	8.177	79	34634	4.388	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	87.800%	
46) 2-Hexanone-d5	8.631	63	175632	53.038	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	106.080%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91315	5.395	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	107.800%	
66) 1,2-Dichlorobenzene-d4	12.190	152	106524	5.299	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	106.000%	
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	10574	0.387	ug/L	# 66
16) Methylene chloride	3.042	84	23994	0.949	ug/L	91
18) trans-1,2-Dichloroethene	3.354	96	24923	1.342	ug/L	91
19) 1,1-Dichloroethane	3.869	63	44938	1.169	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	132401	6.262	ug/L	96
33) Benzene	5.775	78	14555	0.166	ug/L	100
34) Trichloroethene	6.541	95	61684	2.655	ug/L	96
47) Tetrachloroethene	8.550	164	3696	0.208	ug/L	88
51) Chlorobenzene	9.444	112	64047	1.135	ug/L	97

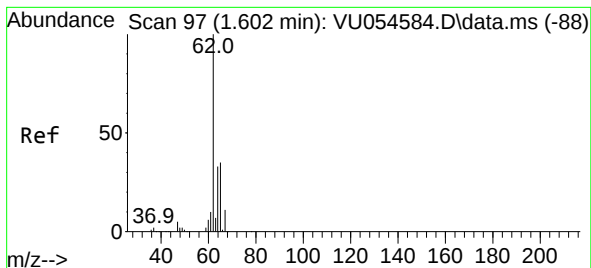
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.387 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU054595.D

Acq: 19 Jun 2023 14:42

Instrument :

MSVOA_U

ClientSampleId :

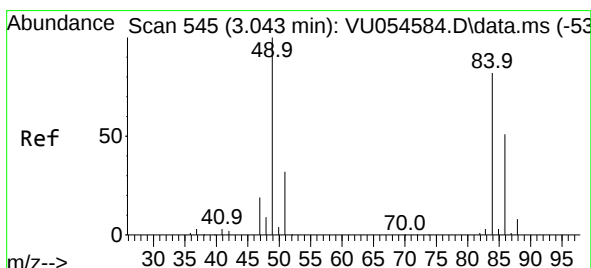
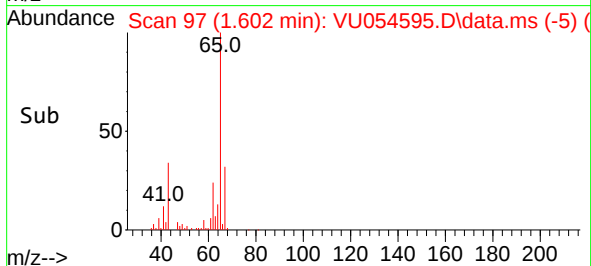
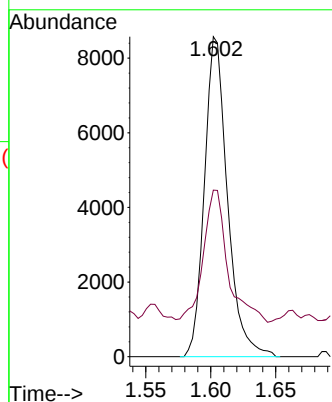
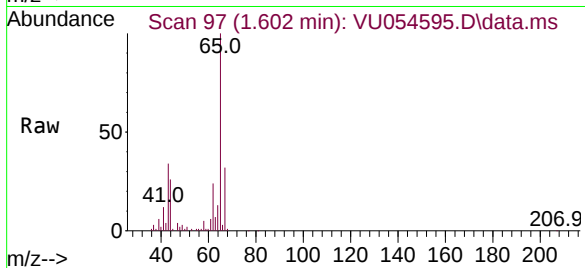
DCGZ5DL

Tgt Ion: 62 Resp: 10574

Ion Ratio Lower Upper

62 100

64 52.1 23.0 42.6#



#16

Methylene chloride

Concen: 0.949 ug/L

RT: 3.042 min Scan# 545

Delta R.T. -0.000 min

Lab File: VU054595.D

Acq: 19 Jun 2023 14:42

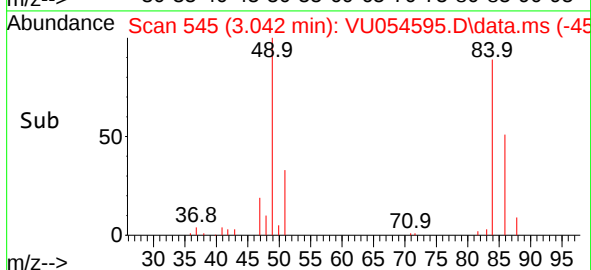
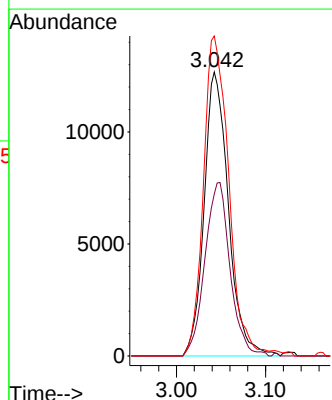
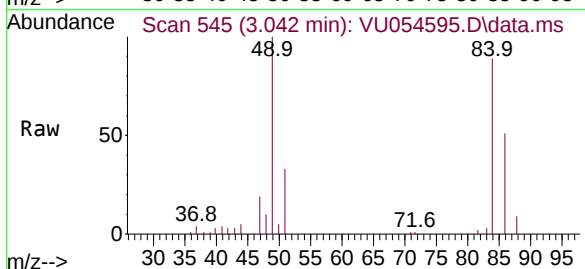
Tgt Ion: 84 Resp: 23994

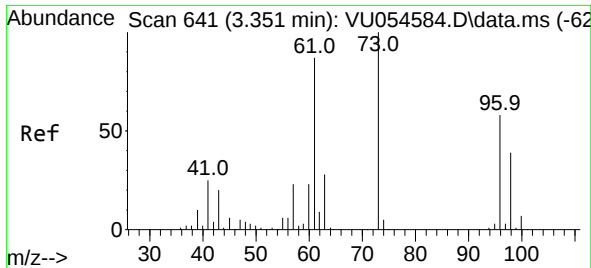
Ion Ratio Lower Upper

84 100

86 57.0 43.9 81.5

49 112.7 86.1 159.9

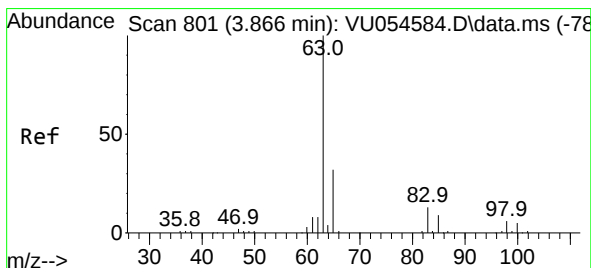
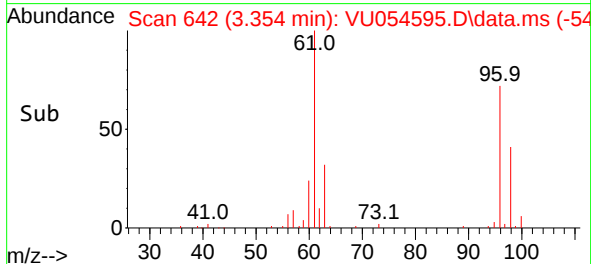
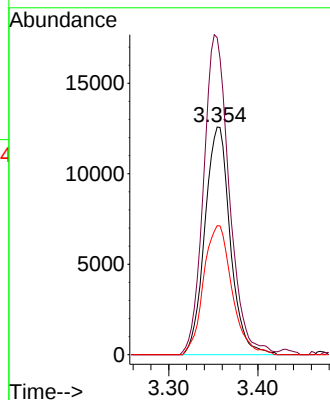
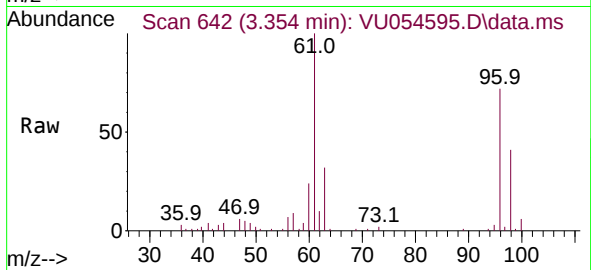




#18
trans-1,2-Dichloroethene
Concen: 1.342 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

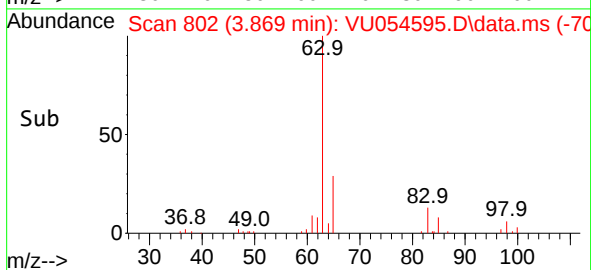
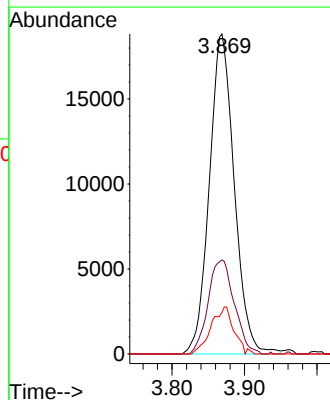
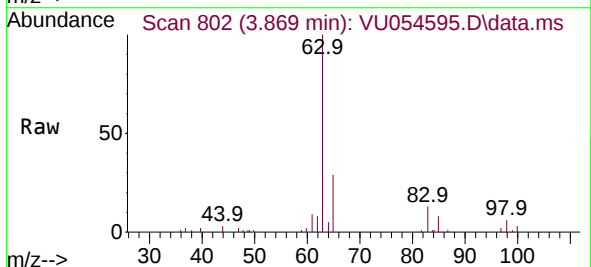
Instrument :
MSVOA_U
ClientSampleId :
DCGZ5DL

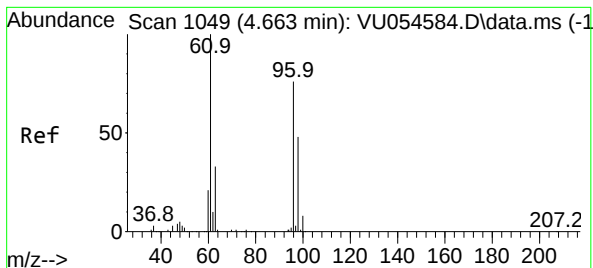
Tgt Ion: 96 Resp: 24923
Ion Ratio Lower Upper
96 100
61 139.3 104.6 194.2
98 56.7 45.4 84.4



#19
1,1-Dichloroethane
Concen: 1.169 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

Tgt Ion: 63 Resp: 44938
Ion Ratio Lower Upper
63 100
65 29.4 22.2 41.2
83 13.0 9.0 16.6





#22

cis-1,2-Dichloroethene

Concen: 6.262 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054595.D

Acq: 19 Jun 2023 14:42

Instrument :

MSVOA_U

ClientSampleId :

DCGZ5DL

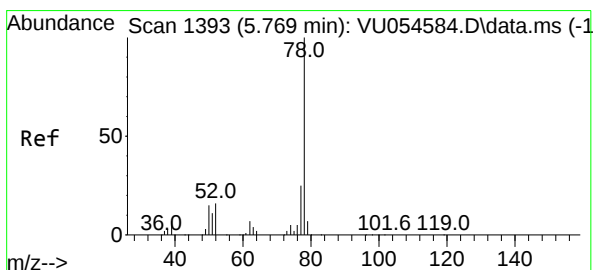
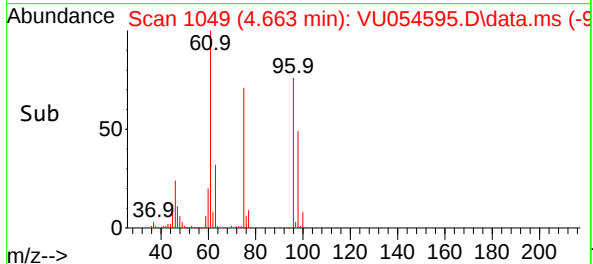
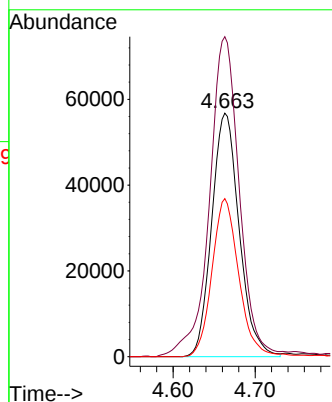
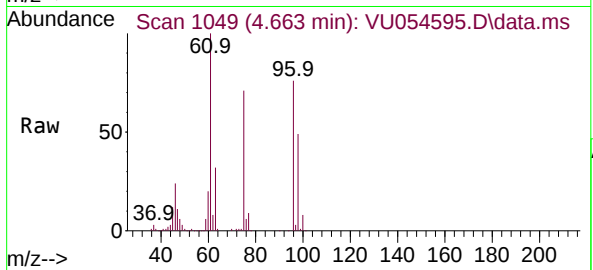
Tgt Ion: 96 Resp: 132401

Ion Ratio Lower Upper

96 100

61 131.4 96.5 179.1

98 64.9 44.9 83.3



#33

Benzene

Concen: 0.166 ug/L

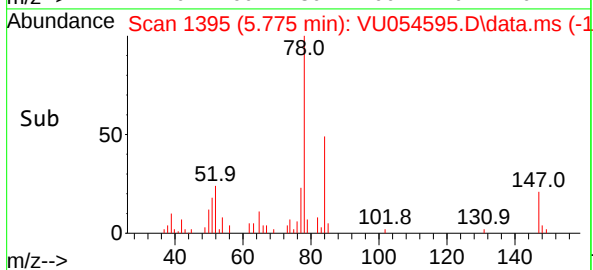
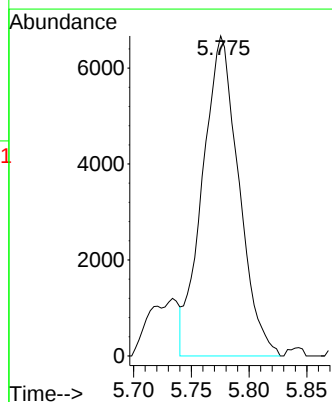
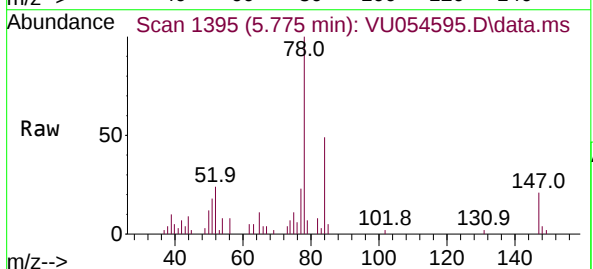
RT: 5.775 min Scan# 1395

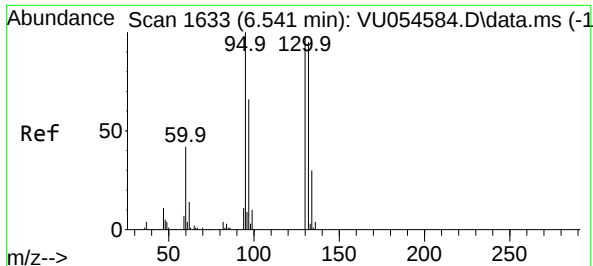
Delta R.T. 0.003 min

Lab File: VU054595.D

Acq: 19 Jun 2023 14:42

Tgt Ion: 78 Resp: 14555

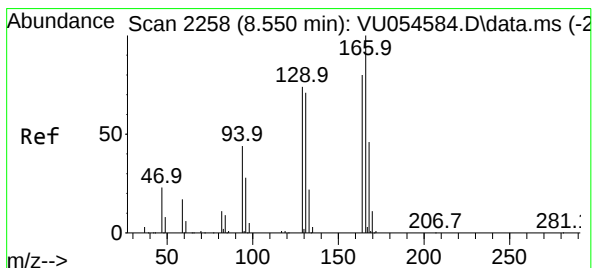
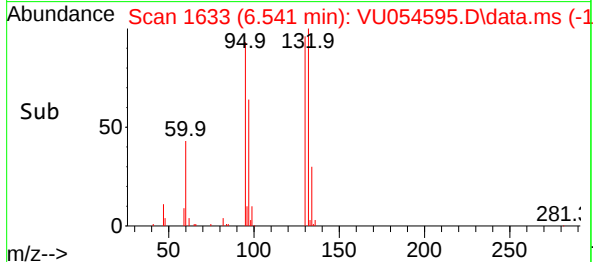
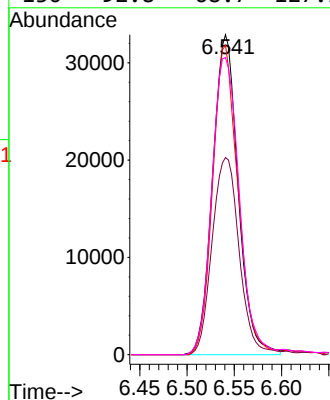
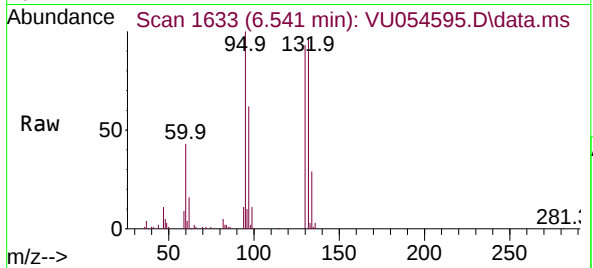




#34
Trichloroethene
Concen: 2.655 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

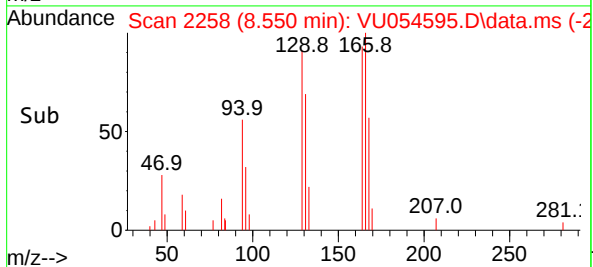
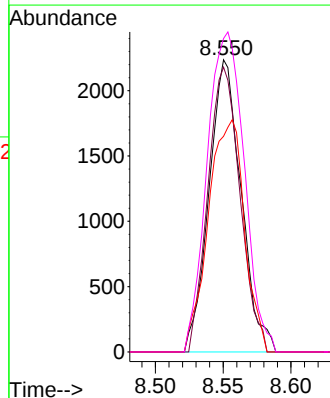
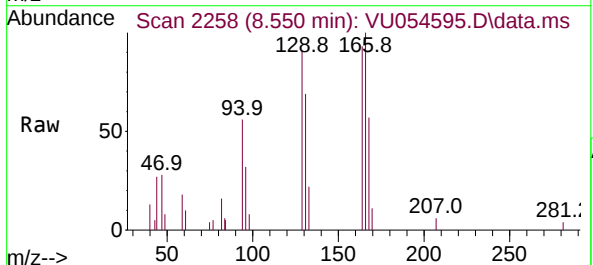
Instrument :
MSVOA_U
ClientSampleId :
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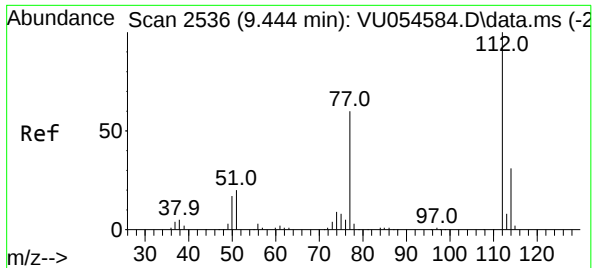
Tgt Ion: 95 Resp: 61684
Ion Ratio Lower Upper
95 100
97 61.6 46.8 87.0
132 96.7 68.4 127.0
130 92.8 68.7 127.5



#47
Tetrachloroethene
Concen: 0.208 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054595.D
Acq: 19 Jun 2023 14:42

Tgt Ion:164 Resp: 3696
Ion Ratio Lower Upper
164 100
129 97.5 67.7 125.7
131 73.8 64.6 120.0
166 107.3 88.1 163.7





#51
 Chlorobenzene
 Concen: 1.135 ug/L
 RT: 9.444 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU054595.D
 Acq: 19 Jun 2023 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:112	Resp:	64047
Ion Ratio	Lower	Upper
112	100	
114	36.2	22.7 42.1
77	61.0	49.8 74.8

