

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU054995.D
 Acq On : 30 Aug 2023 13:37
 Operator : MD/SY
 Sample : 04209-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH487

Quant Time: Aug 31 02:36:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

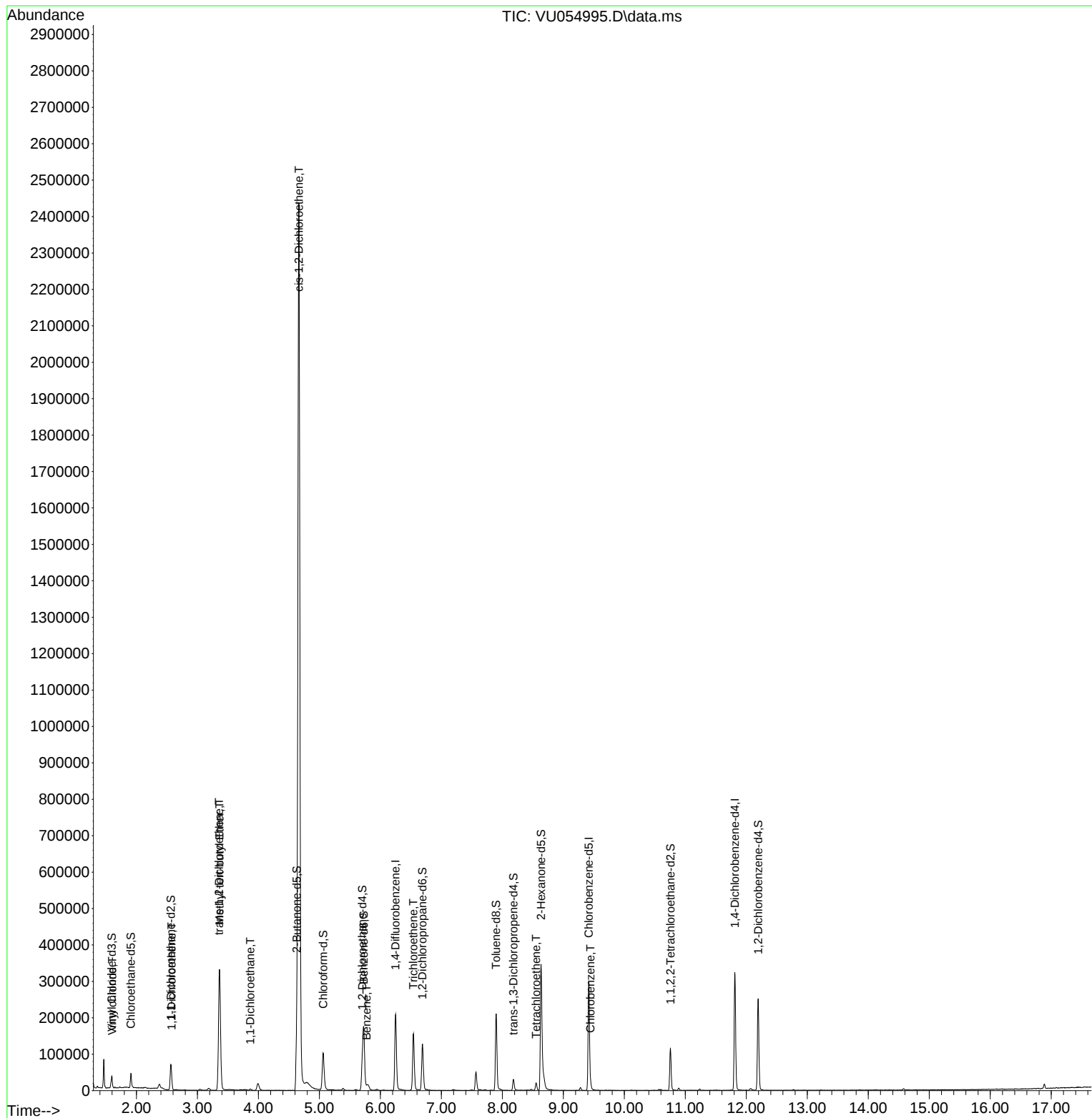
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	169826	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	161684	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	80570	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	19021	3.549	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	71.000%	
7) Chloroethane-d5	1.907	69	27997	4.043	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	80.800%	
11) 1,1-Dichloroethene-d2	2.563	65	11922	3.935	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	78.800%	
20) 2-Butanone-d5	4.628	46	174686	60.376	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	120.760%	
24) Chloroform-d	5.062	84	91239	4.589	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.800%	
26) 1,2-Dichloroethane-d4	5.702	65	51102	4.830	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.600%	
32) Benzene-d6	5.727	84	160971	4.429	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.600%	
36) 1,2-Dichloropropane-d6	6.689	67	58578	4.583	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	91.600%	
41) Toluene-d8	7.898	98	140506	4.037	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.800%	
43) trans-1,3-Dichloroprop...	8.181	79	17109	4.067	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	81.400%	
46) 2-Hexanone-d5	8.634	63	115998	58.097	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	116.200%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	57272	5.225	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	104.400%	
66) 1,2-Dichlorobenzene-d4	12.193	152	61903	4.812	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	96.200%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	2555	0.224	ug/L #	81
12) 1,1-Dichloroethene	2.576	96	5068	0.661	ug/L #	1
17) Methyl tert-butyl Ether	3.361	73	349953	15.680	ug/L	99
18) trans-1,2-Dichloroethene	3.354	96	7909	0.944	ug/L	85
19) 1,1-Dichloroethane	3.866	63	4228	0.241	ug/L #	86
22) cis-1,2-Dichloroethene	4.663	96	1225936	122.707	ug/L	95
33) Benzene	5.776	78	7211	0.189	ug/L	100
34) Trichloroethene	6.541	95	53055	5.019	ug/L	100
47) Tetrachloroethene	8.554	164	4406	0.580	ug/L	89
51) Chlorobenzene	9.444	112	5545	0.201	ug/L #	87

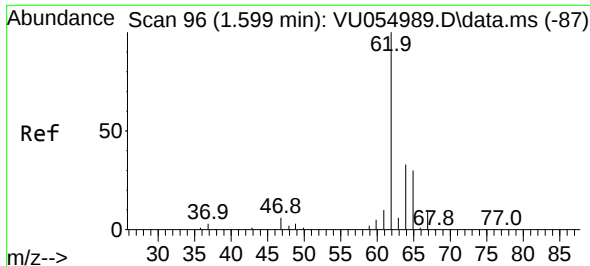
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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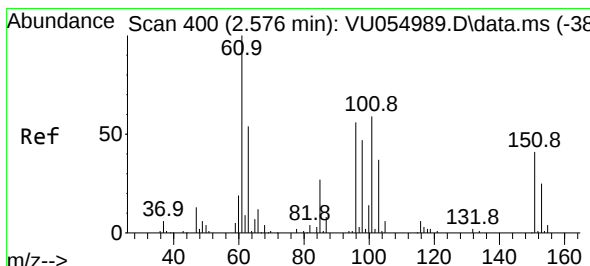
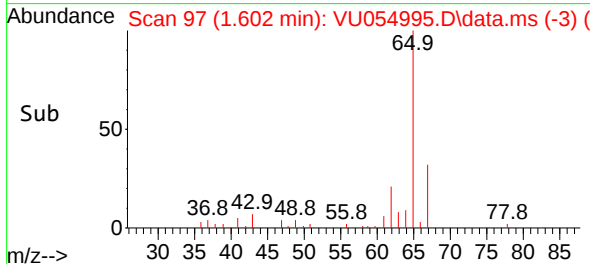
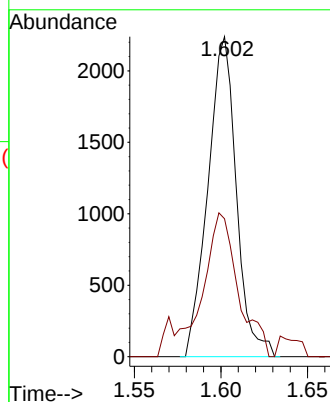
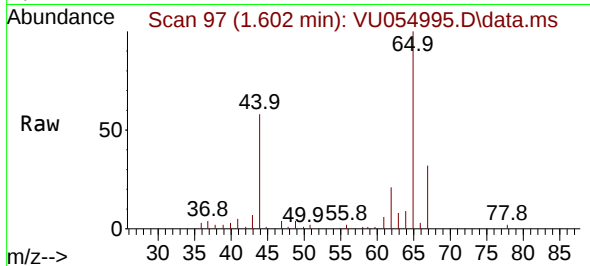




#5
 Vinyl chloride
 Concen: 0.224 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU054995.D
 Acq: 30 Aug 2023 13:37

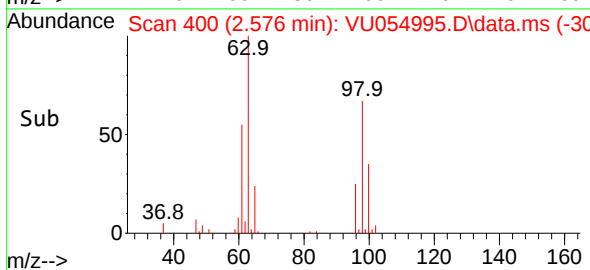
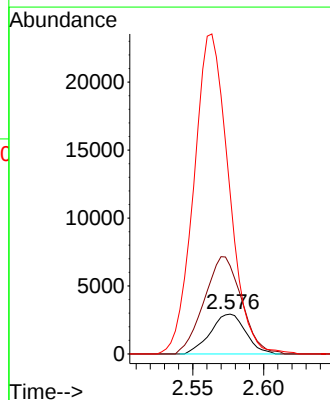
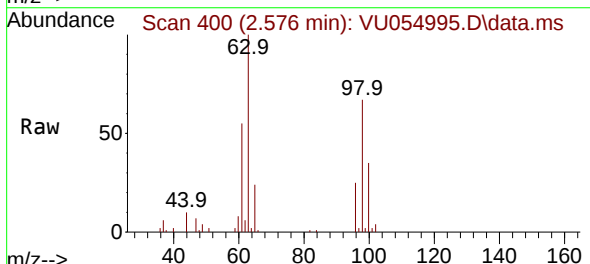
Instrument :
 MSVOA_U
 ClientSampleId :
 BH487

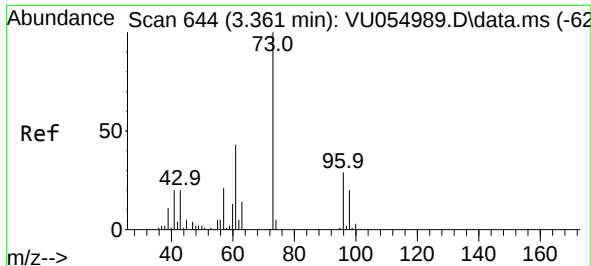
Tgt Ion: 62 Resp: 2555
 Ion Ratio Lower Upper
 62 100
 64 43.1 22.7 42.1#



#12
 1,1-Dichloroethene
 Concen: 0.661 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU054995.D
 Acq: 30 Aug 2023 13:37

Tgt Ion: 96 Resp: 5068
 Ion Ratio Lower Upper
 96 100
 61 221.1 132.4 245.8
 63 404.5 82.5 153.1#

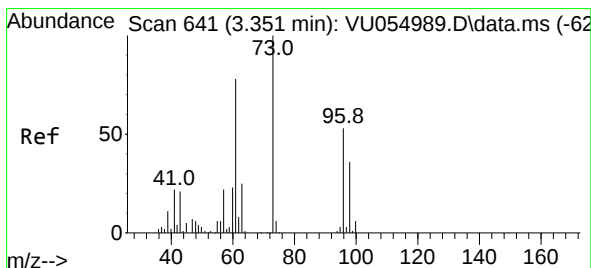
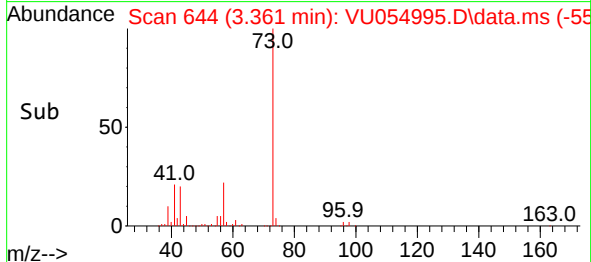
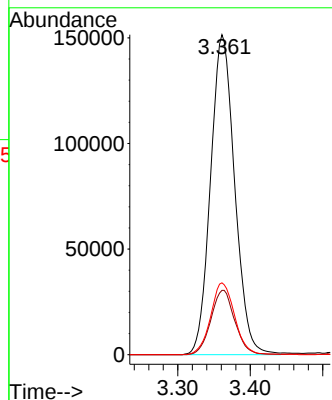
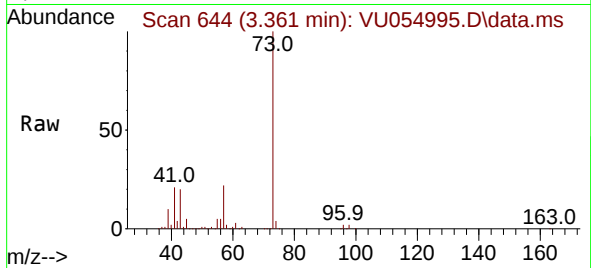




#17
Methyl tert-butyl Ether
Concen: 15.680 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054995.D
Acq: 30 Aug 2023 13:37

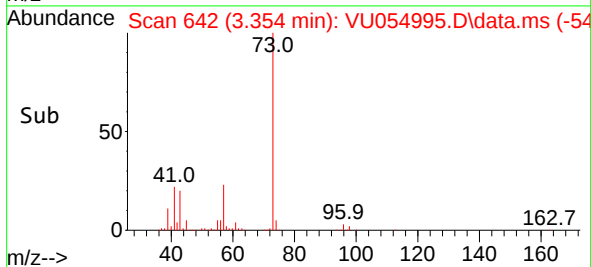
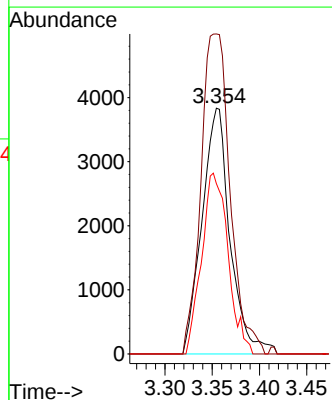
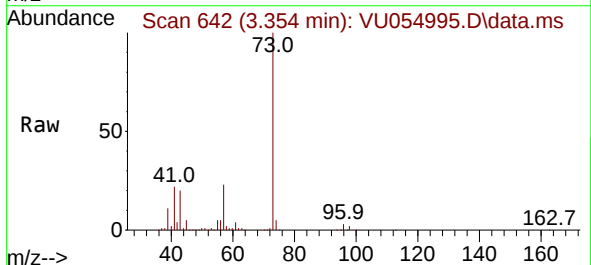
Instrument :
MSVOA_U
ClientSampleId :
BH487

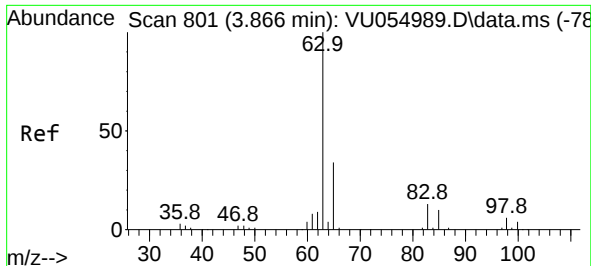
Tgt Ion: 73 Resp: 349953
Ion Ratio Lower Upper
73 100
43 20.0 16.2 24.2
57 22.4 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 0.944 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU054995.D
Acq: 30 Aug 2023 13:37

Tgt Ion: 96 Resp: 7909
Ion Ratio Lower Upper
96 100
61 130.2 108.8 202.0
98 69.3 45.8 85.2





#19

1,1-Dichloroethane

Concen: 0.241 ug/L

RT: 3.866 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054995.D

Acq: 30 Aug 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

BH487

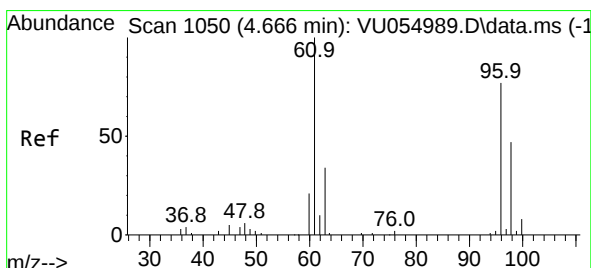
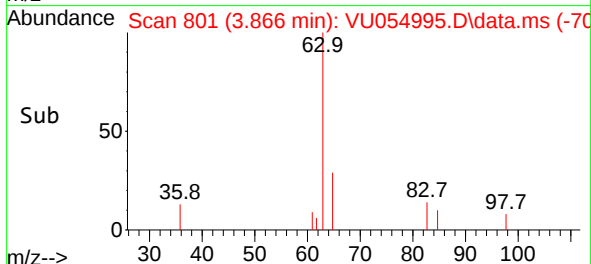
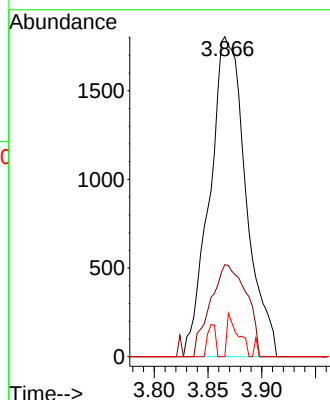
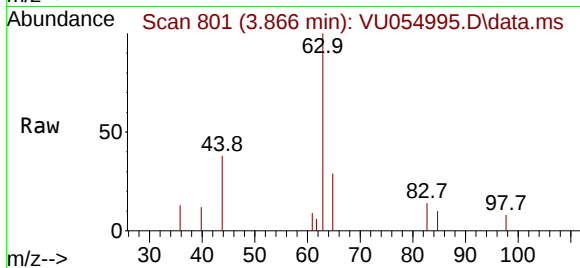
Tgt Ion: 63 Resp: 4228

Ion Ratio Lower Upper

63 100

65 28.8 22.5 41.7

83 0.0 9.5 17.7#



#22

cis-1,2-Dichloroethene

Concen: 122.707 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU054995.D

Acq: 30 Aug 2023 13:37

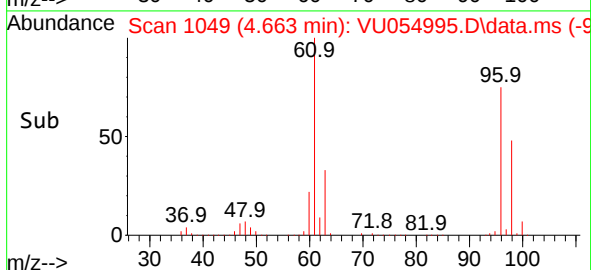
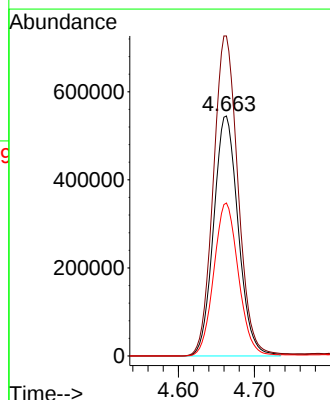
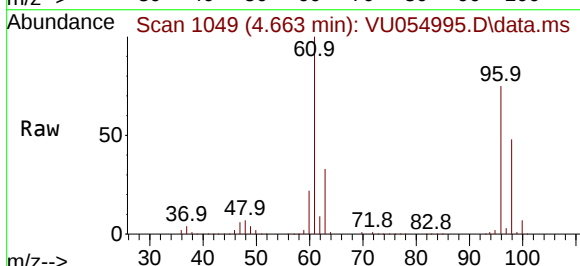
Tgt Ion: 96 Resp: 1225936

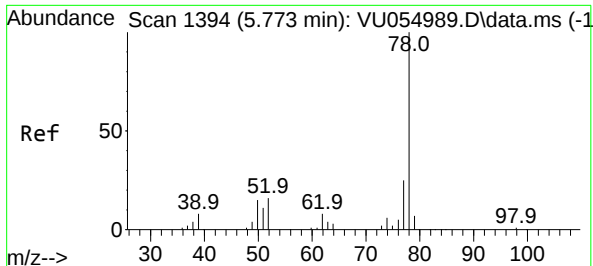
Ion Ratio Lower Upper

96 100

61 133.3 88.4 164.2

98 63.7 44.0 81.6

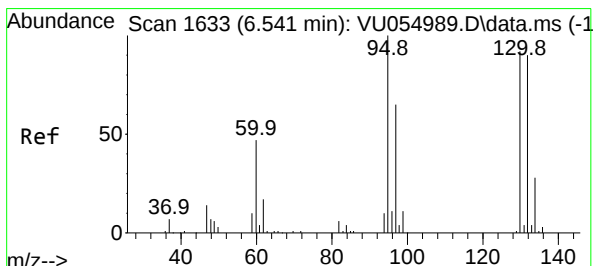
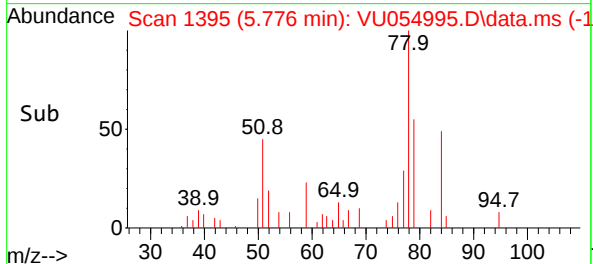
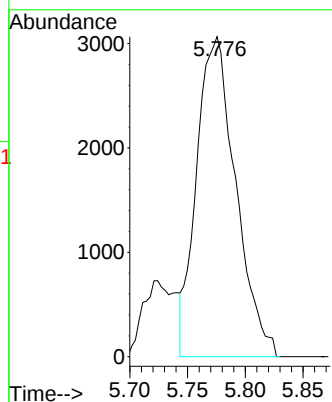
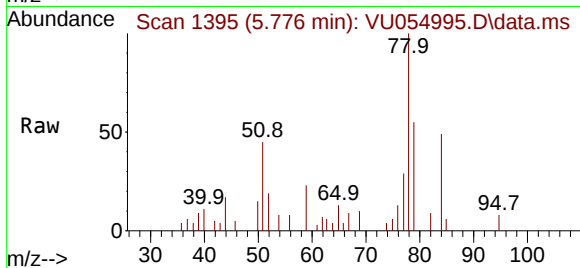




#33
Benzene
Concen: 0.189 ug/L
RT: 5.776 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054995.D
Acq: 30 Aug 2023 13:37

Instrument :
MSVOA_U
ClientSampleId :
BH487

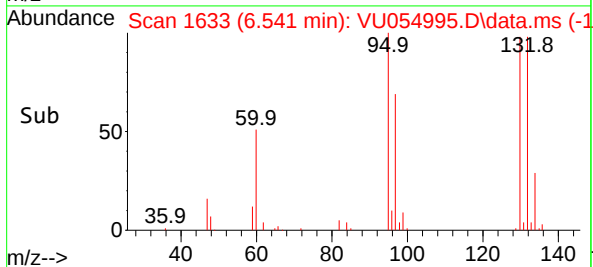
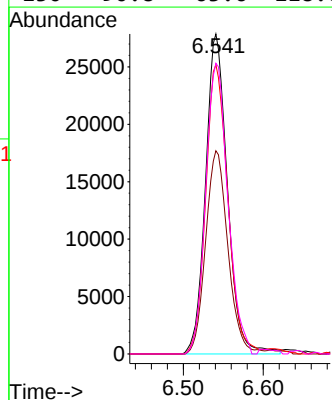
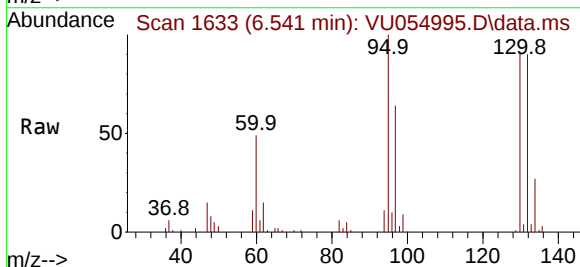
Tgt Ion: 78 Resp: 7211

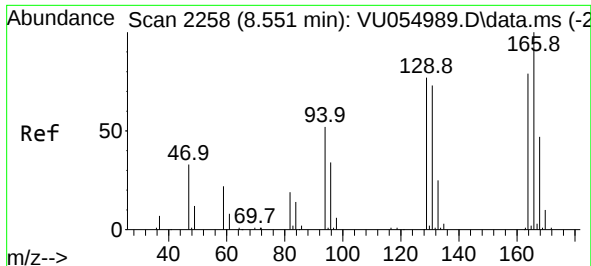


#34
Trichloroethene
Concen: 5.019 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054995.D
Acq: 30 Aug 2023 13:37

Tgt Ion: 95 Resp: 53055

Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.1	81.9
132	90.4	63.6	118.2
130	90.8	63.6	118.0





#47

Tetrachloroethene

Concen: 0.580 ug/L

RT: 8.554 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054995.D

Acq: 30 Aug 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

BH487

Tgt Ion:164 Resp: 4406

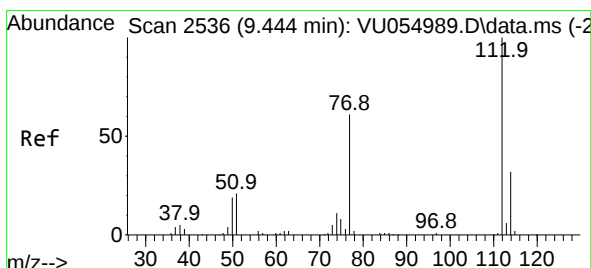
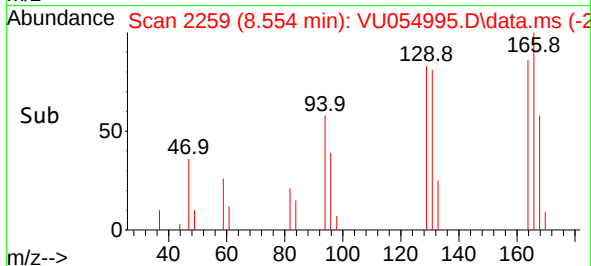
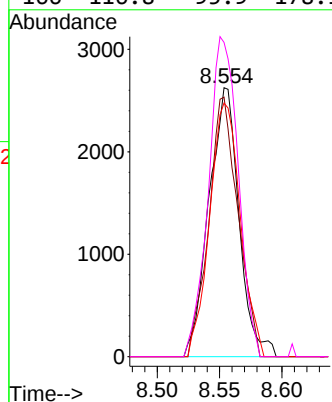
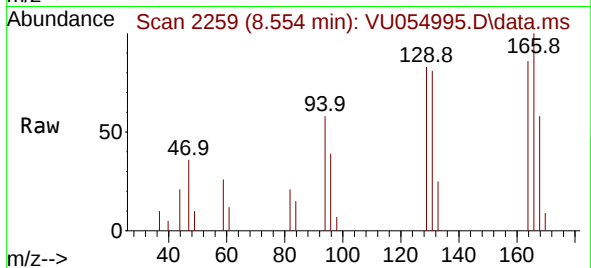
Ion Ratio Lower Upper

164 100

129 96.5 72.8 135.2

131 94.3 70.7 131.3

166 116.8 95.9 178.1



#51

Chlorobenzene

Concen: 0.201 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054995.D

Acq: 30 Aug 2023 13:37

Tgt Ion:112 Resp: 5545

Ion Ratio Lower Upper

112 100

114 34.2 23.4 43.4

77 76.5 49.3 73.9#

