

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055268.D
 Acq On : 13 Sep 2023 03:26
 Operator : MD/SY
 Sample : 04350-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N0

Quant Time: Sep 13 05:36:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 05:34:47 2023
 Response via : Initial Calibration

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

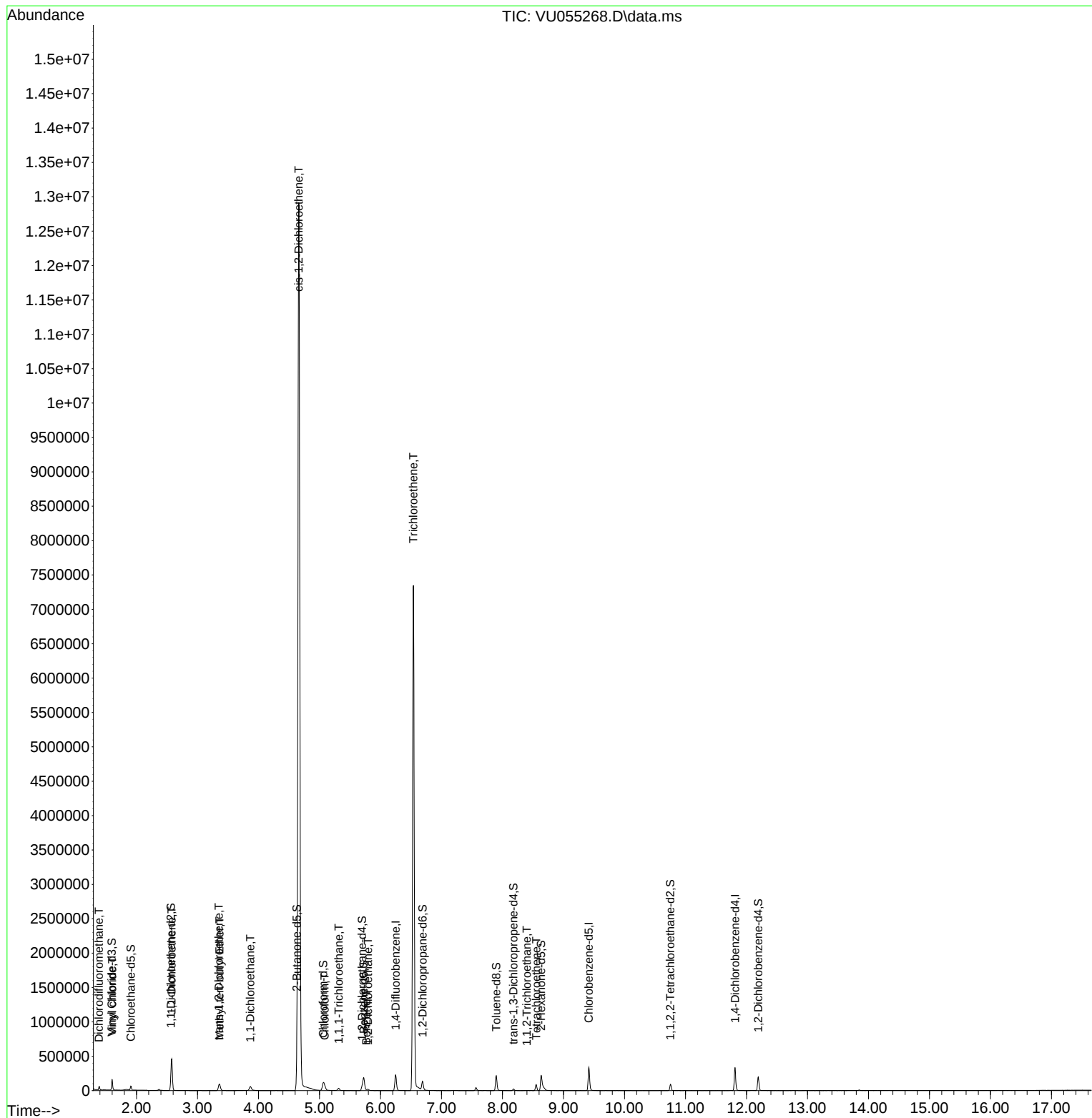
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	188717	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	189649	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	86386	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25281	2.858	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.200%
7) Chloroethane-d5	1.907	69	40171	3.924	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.563	65	14134	2.805	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.000%#
20) 2-Butanone-d5	4.628	46	124966	48.687	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.380%
24) Chloroform-d	5.062	84	95569	4.072	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
26) 1,2-Dichloroethane-d4	5.698	65	48684	4.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
32) Benzene-d6	5.727	84	175817	3.756	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.200%
36) 1,2-Dichloropropane-d6	6.689	67	59949	4.026	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.600%
41) Toluene-d8	7.898	98	149698	3.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	8.180	79	13097	3.194	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.800%
46) 2-Hexanone-d5	8.634	63	70776	42.517	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.040%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	46058	4.398	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	49931	3.960	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.200%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	2555	0.233	ug/L	98
5) Vinyl chloride	1.602	62	87107	7.396	ug/L	97
12) 1,1-Dichloroethene	2.576	96	139099	15.943	ug/L #	76
17) Methyl tert-butyl Ether	3.361	73	86509	3.781	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	9421	1.064	ug/L	86
19) 1,1-Dichloroethane	3.866	63	65481	3.423	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	6562797	605.668	ug/L	93
25) Chloroform	5.084	83	48733	2.446	ug/L	97
27) 1,2-Dichloroethane	5.795	62	14925	1.227	ug/L	96
29) 1,1,1-Trichloroethane	5.316	97	23655	1.442	ug/L	92
33) Benzene	5.769	78	5601	0.139	ug/L	100
34) Trichloroethene	6.537	95	2481985	221.258	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	801	0.108	ug/L #	72
47) Tetrachloroethene	8.553	164	19053	2.457	ug/L	94

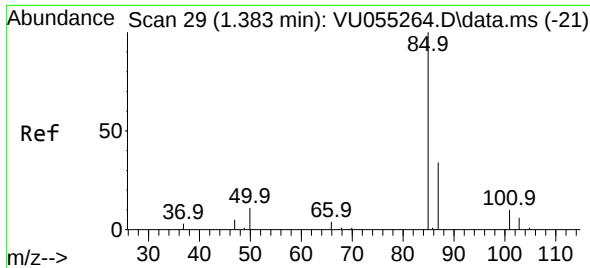
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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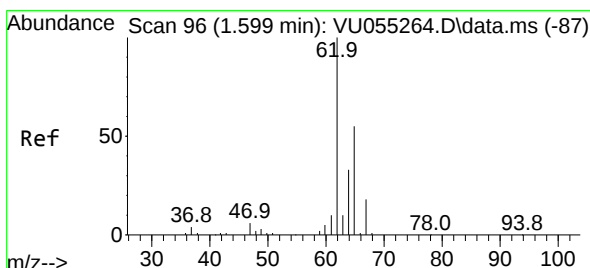
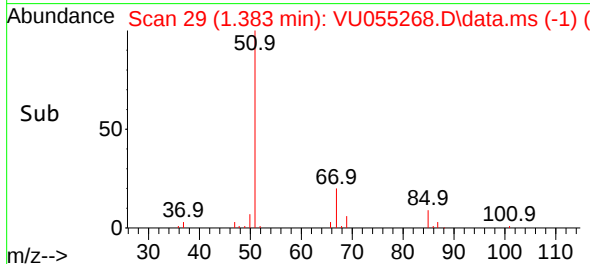
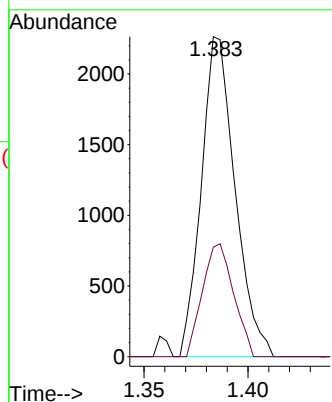
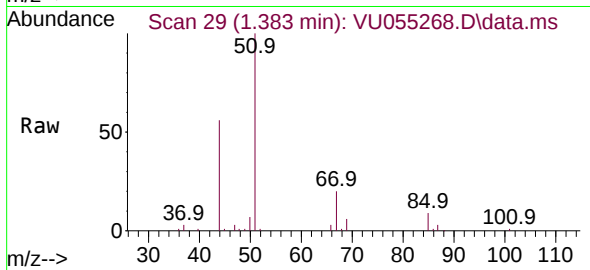




#2
Dichlorodifluoromethane
Concen: 0.233 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

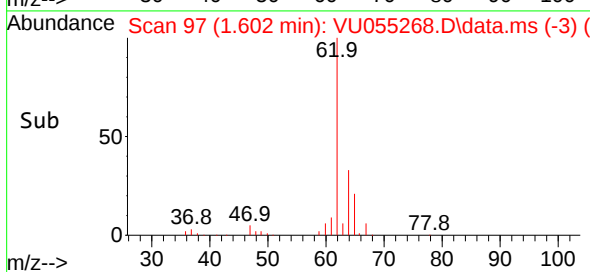
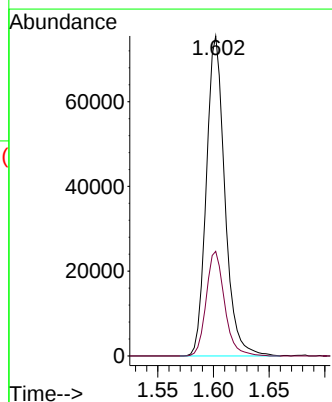
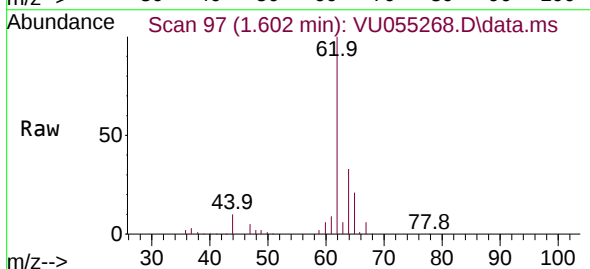
Instrument :
MSVOA_U
ClientSampleId :
BH4N0

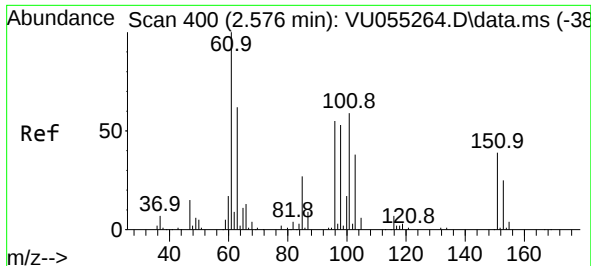
Tgt Ion: 85 Resp: 2555
Ion Ratio Lower Upper
85 100
87 32.4 25.1 37.7



#5
Vinyl chloride
Concen: 7.396 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

Tgt Ion: 62 Resp: 87107
Ion Ratio Lower Upper
62 100
64 32.7 24.2 45.0





#12

1,1-Dichloroethene

Concen: 15.943 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

Instrument :

MSVOA_U

ClientSampleId :

BH4N0

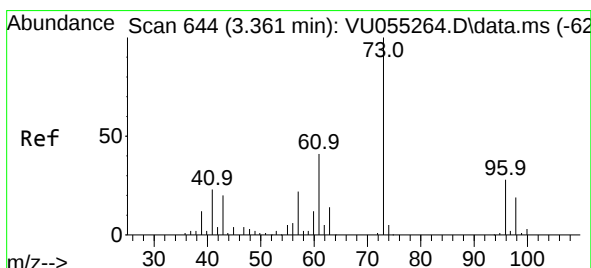
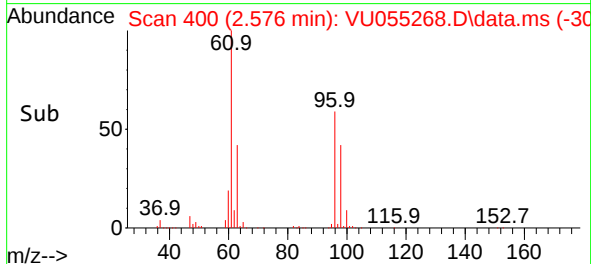
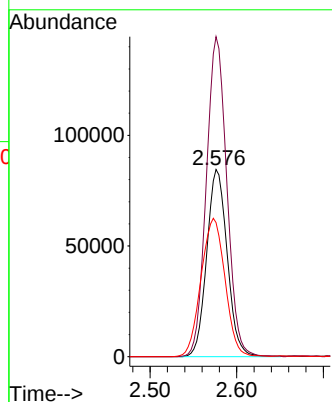
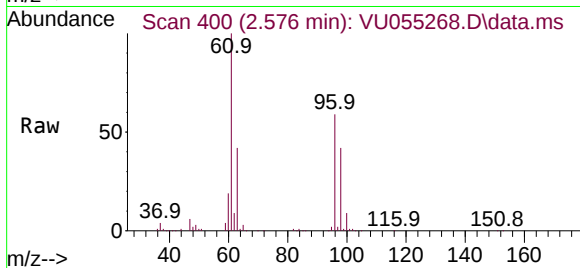
Tgt Ion: 96 Resp: 139099

Ion Ratio Lower Upper

96 100

61 170.9 120.8 224.4

63 71.6 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 3.781 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.000 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

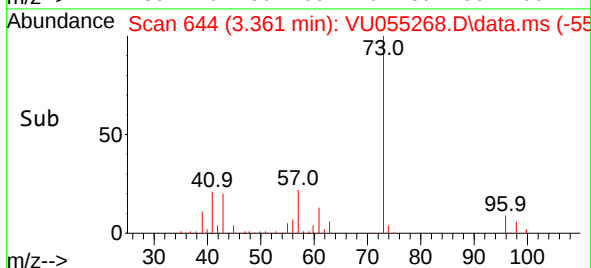
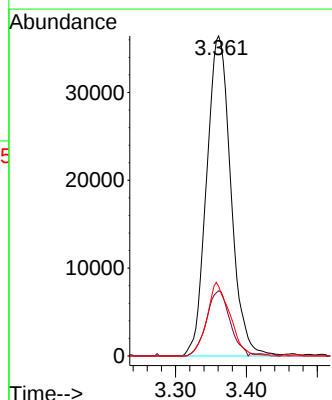
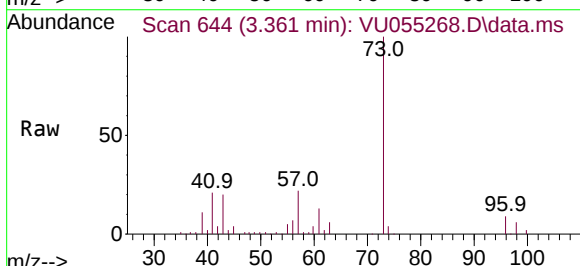
Tgt Ion: 73 Resp: 86509

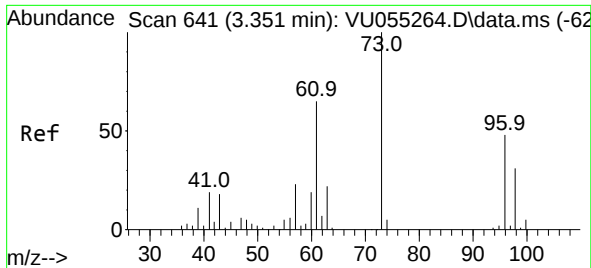
Ion Ratio Lower Upper

73 100

43 19.7 16.2 24.2

57 21.9 17.4 26.2

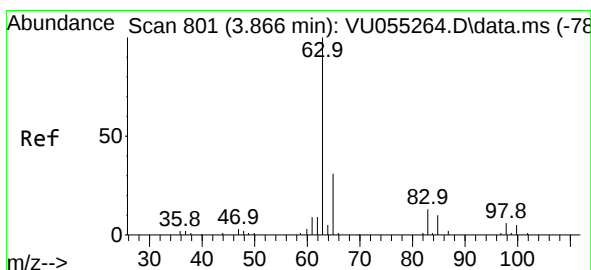
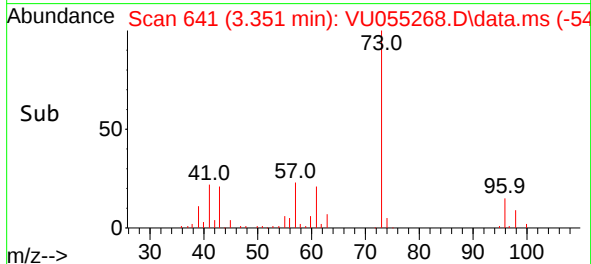
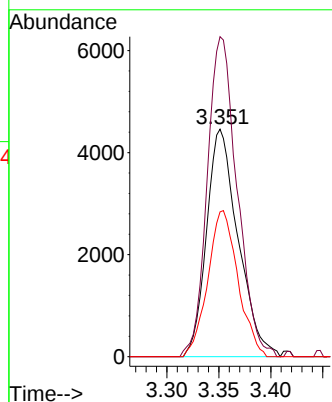
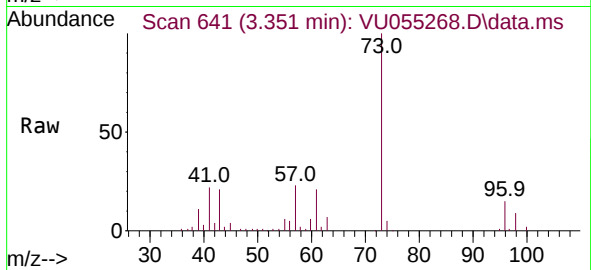




#18
trans-1,2-Dichloroethene
Concen: 1.064 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

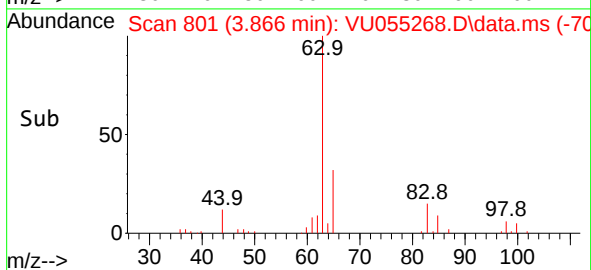
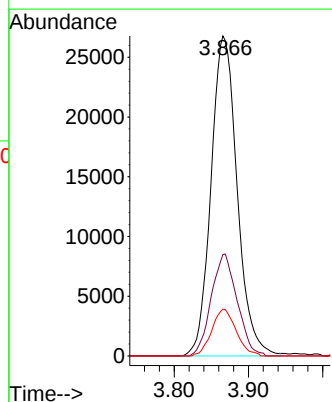
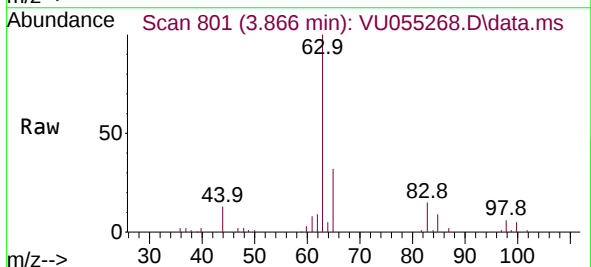
Instrument :
MSVOA_U
ClientSampleId :
BH4N0

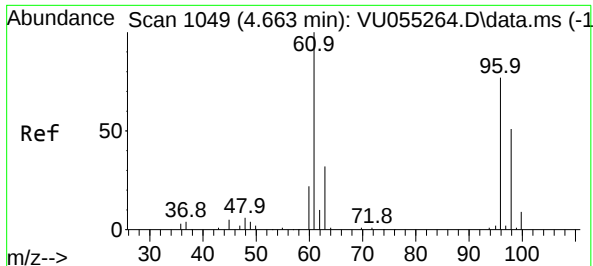
Tgt Ion: 96 Resp: 9421
Ion Ratio Lower Upper
96 100
61 131.7 108.1 200.9
98 59.6 45.4 84.4



#19
1,1-Dichloroethane
Concen: 3.423 ug/L
RT: 3.866 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

Tgt Ion: 63 Resp: 65481
Ion Ratio Lower Upper
63 100
65 31.7 22.2 41.2
83 14.7 10.6 19.8



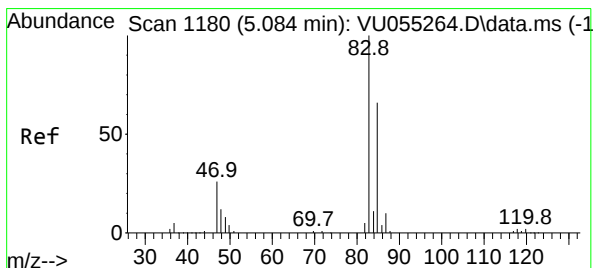
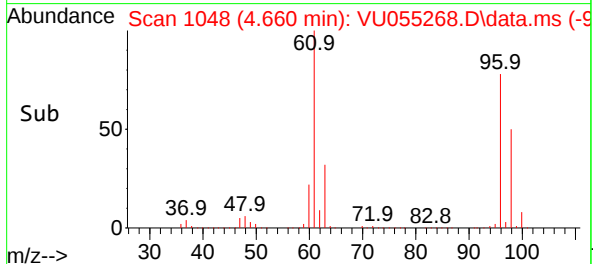
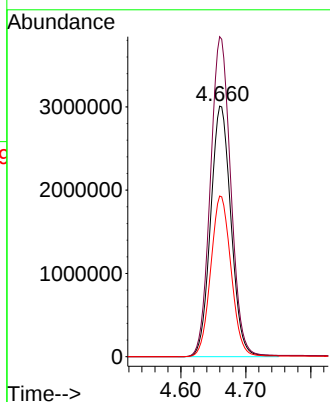
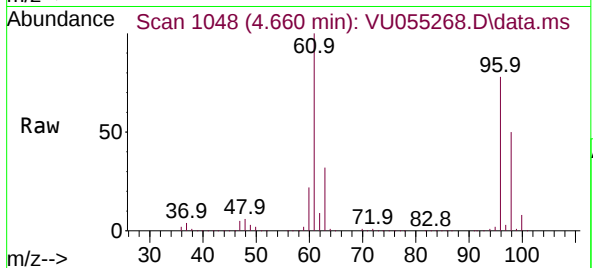


#22
 cis-1,2-Dichloroethene
 Concen: 605.668 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU055268.D
 Acq: 13 Sep 2023 03:26

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N0

Tgt Ion: 96 Resp: 6562797

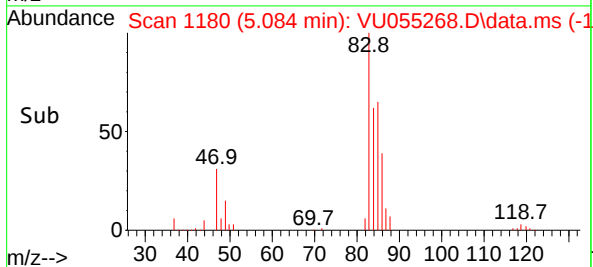
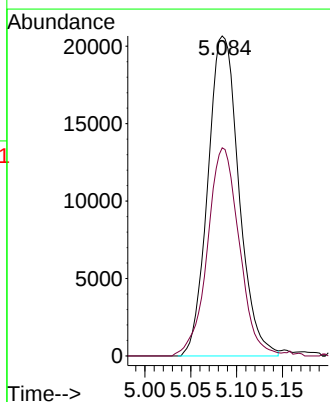
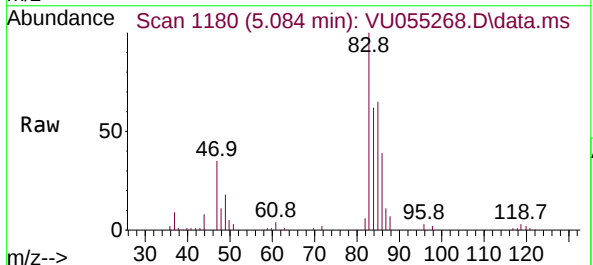
Ion	Ratio	Lower	Upper
96	100		
61	127.7	97.2	180.4
98	64.1	46.1	85.7

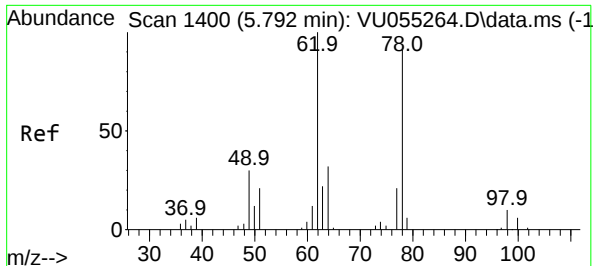


#25
 Chloroform
 Concen: 2.446 ug/L
 RT: 5.084 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VU055268.D
 Acq: 13 Sep 2023 03:26

Tgt Ion: 83 Resp: 48733

Ion	Ratio	Lower	Upper
83	100		
85	65.1	47.2	87.6

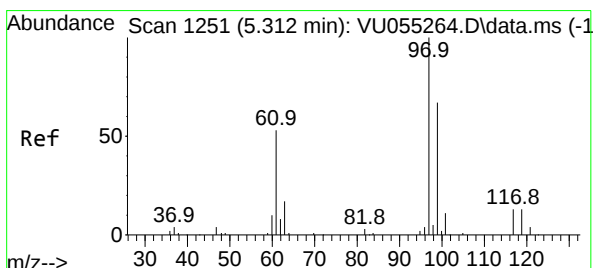
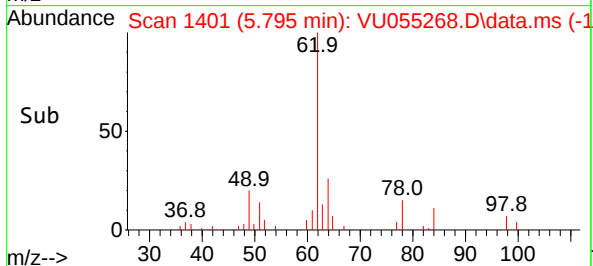
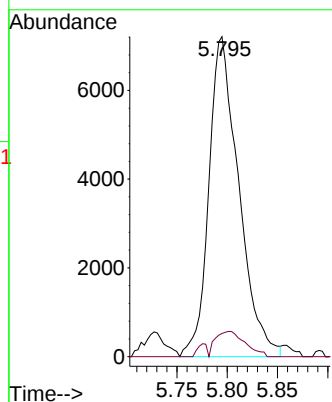
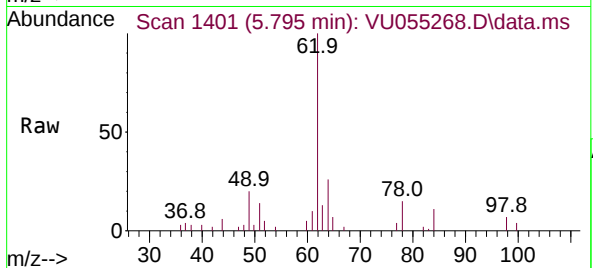




#27
 1,2-Dichloroethane
 Concen: 1.227 ug/L
 RT: 5.795 min Scan# 1400
 Delta R.T. 0.003 min
 Lab File: VU055268.D
 Acq: 13 Sep 2023 03:26

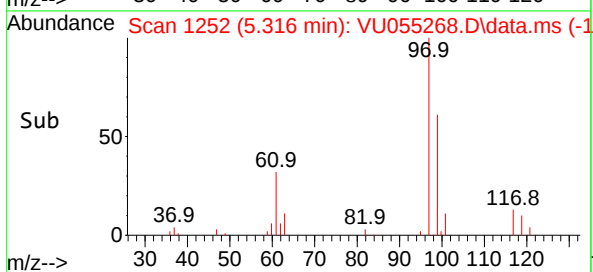
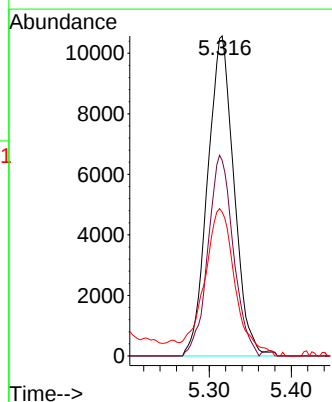
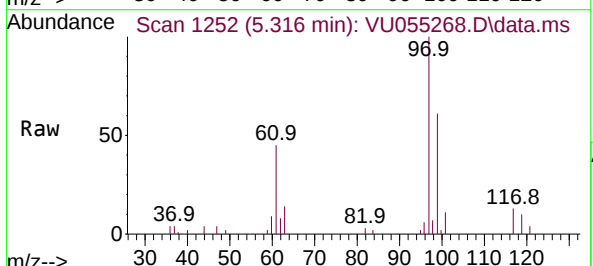
Instrument :
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 ClientSampleId :
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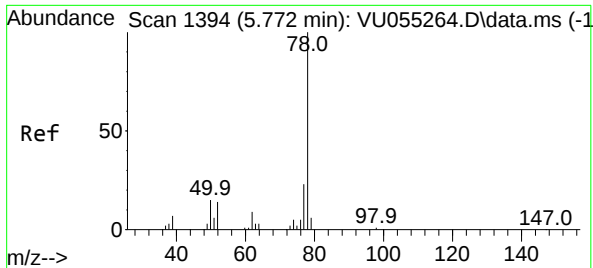
Tgt Ion: 62 Resp: 14925
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.9 10.3



#29
 1,1,1-Trichloroethane
 Concen: 1.442 ug/L
 RT: 5.316 min Scan# 1252
 Delta R.T. 0.003 min
 Lab File: VU055268.D
 Acq: 13 Sep 2023 03:26

Tgt Ion: 97 Resp: 23655
 Ion Ratio Lower Upper
 97 100
 99 60.4 51.8 77.8
 61 53.6 36.8 55.2

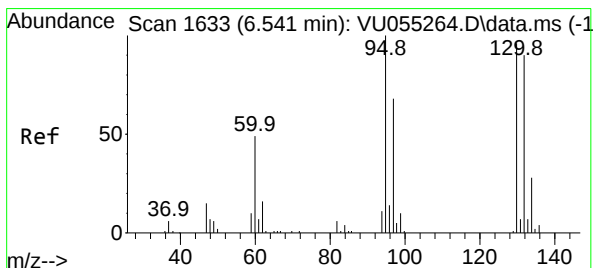
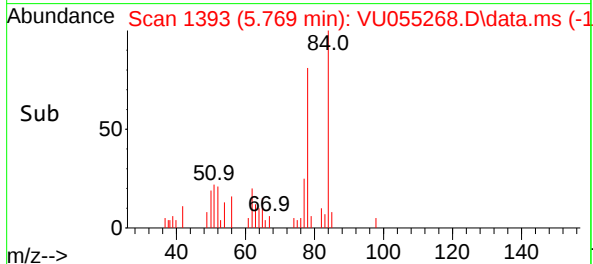
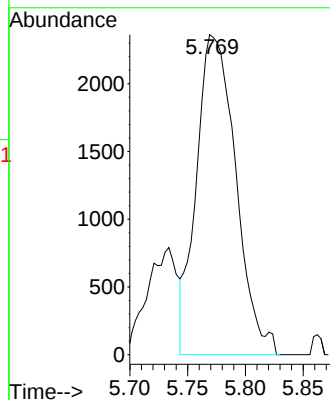
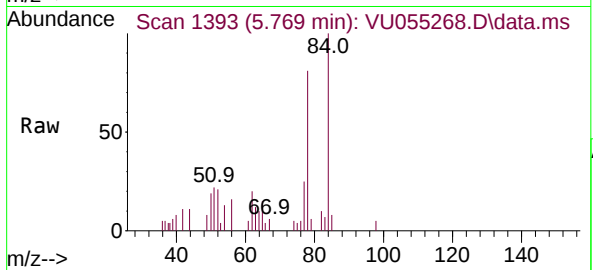




#33
Benzene
Concen: 0.139 ug/L
RT: 5.769 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

Instrument :
MSVOA_U
ClientSampleId :
BH4N0

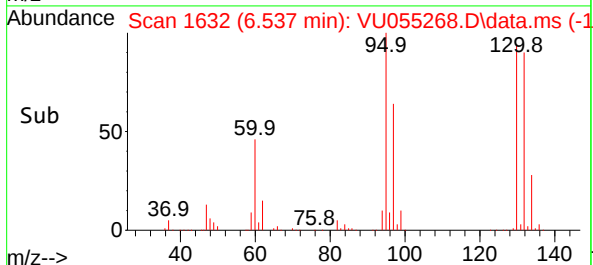
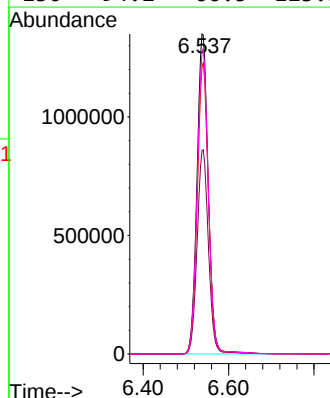
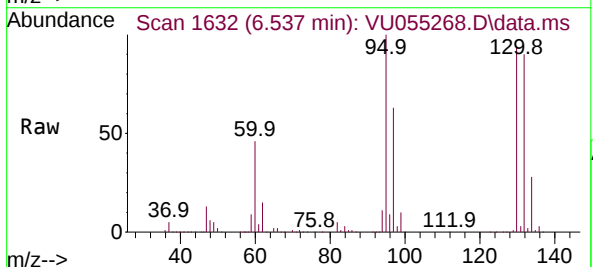
Tgt Ion: 78 Resp: 5601

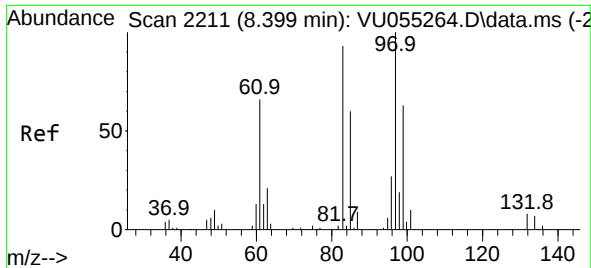


#34
Trichloroethene
Concen: 221.258 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

Tgt Ion: 95 Resp: 2481985

Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.7	83.1
132	89.6	66.6	123.6
130	94.2	66.5	123.5



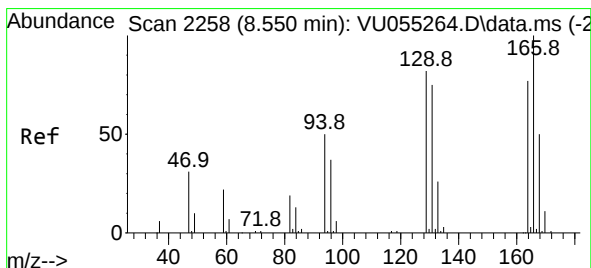
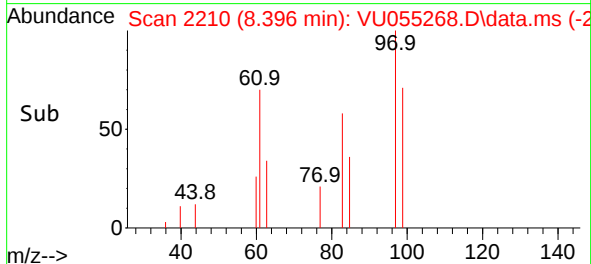
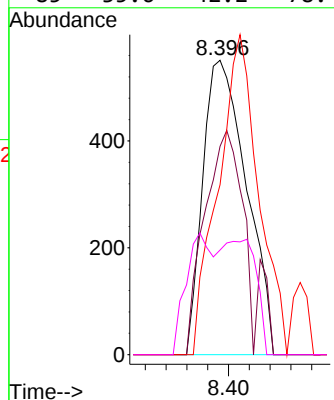
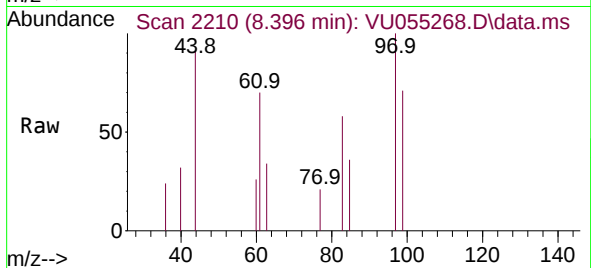


#45
1,1,2-Trichloroethane
Concen: 0.108 ug/L
RT: 8.396 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

Instrument :
MSVOA_U
ClientSampleId :
BH4N0

Tgt Ion: 97 Resp: 801

Ion	Ratio	Lower	Upper
97	100		
99	70.8	44.9	83.5
83	57.7	66.9	124.3
85	35.6	42.2	78.4



#47
Tetrachloroethene
Concen: 2.457 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

Tgt Ion: 164 Resp: 19053

Ion	Ratio	Lower	Upper
164	100		
129	103.3	69.2	128.6
131	94.9	68.8	127.8
166	122.3	92.3	171.5

