

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055193.D
 Acq On : 07 Sep 2023 17:01
 Operator : MD/SY
 Sample : 04286-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4D8

Quant Time: Sep 08 05:09:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 05:04:57 2023
 Response via : Initial Calibration

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

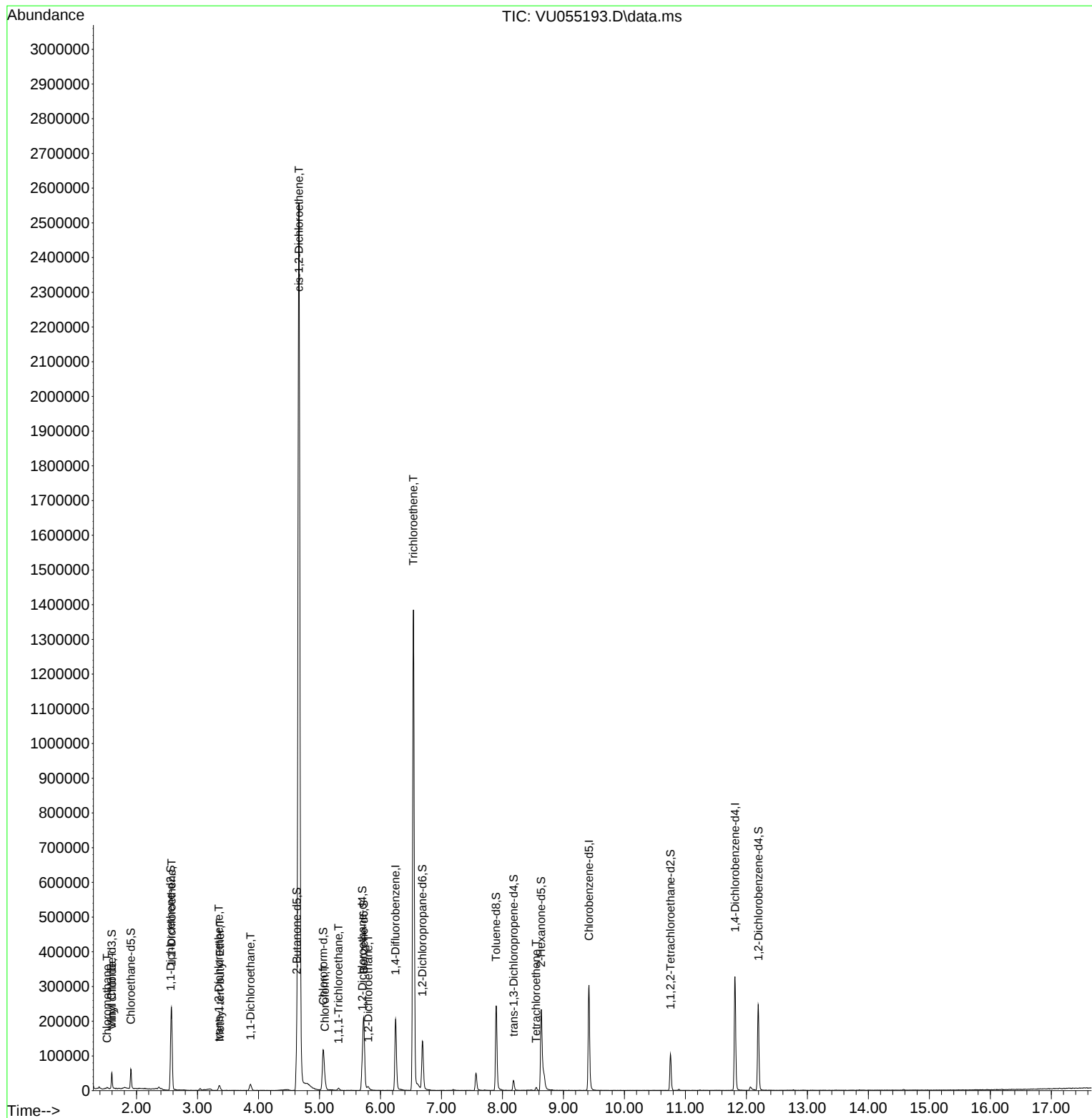
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	159447	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	165230	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	82636	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	27210	3.641	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.800%
7) Chloroethane-d5	1.907	69	37508	4.336	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.560	65	18204	4.275	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.600%
20) 2-Butanone-d5	4.627	46	135040	62.271	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.540%
24) Chloroform-d	5.062	84	102857	5.187	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	5.701	65	53355	5.378	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
32) Benzene-d6	5.724	84	189839	4.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.688	67	66197	5.103	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.897	98	165547	4.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.184	79	16141	4.518	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.634	63	72687	50.118	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.240%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	50528	5.539	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.800%
66) 1,2-Dichlorobenzene-d4	12.196	152	59572	4.939	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	3420	0.363	ug/L	95
5) Vinyl chloride	1.599	62	5412	0.544	ug/L	100
12) 1,1-Dichloroethene	2.576	96	61823	8.387	ug/L #	83
17) Methyl tert-butyl Ether	3.367	73	7618	0.394	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	3588	0.480	ug/L	93
19) 1,1-Dichloroethane	3.869	63	20222	1.251	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	1290825	140.996	ug/L	96
25) Chloroform	5.090	83	21051	1.251	ug/L	91
27) 1,2-Dichloroethane	5.801	62	7238	0.704	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	3886	0.272	ug/L #	84
34) Trichloroethene	6.541	95	464537	47.532	ug/L	97
47) Tetrachloroethene	8.553	164	1677	0.248	ug/L	92

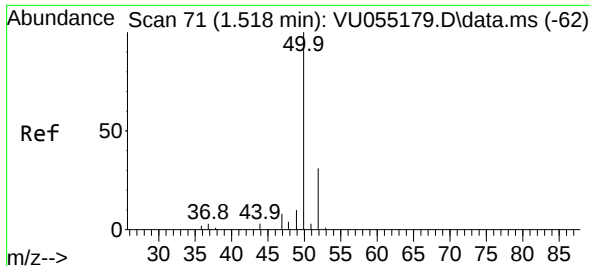
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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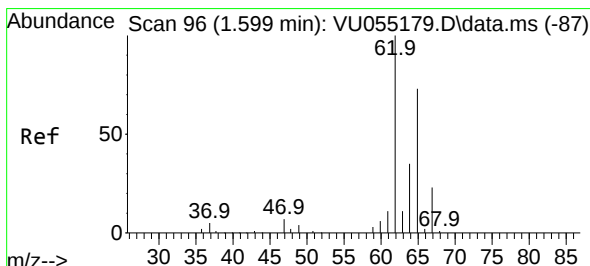
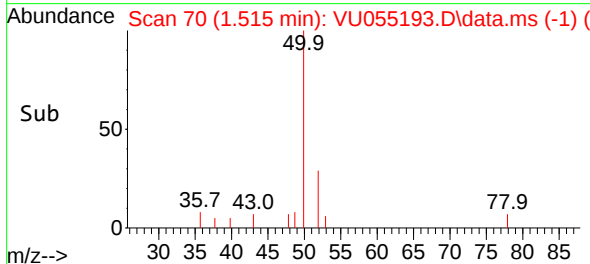
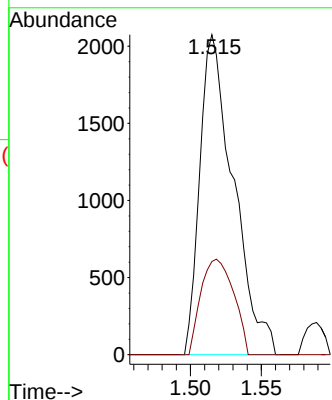
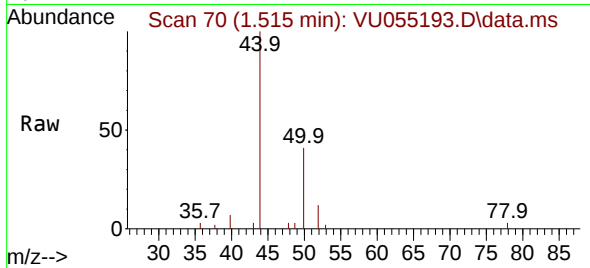




#3
Chloromethane
Concen: 0.363 ug/L
RT: 1.515 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU055193.D
Acq: 07 Sep 2023 17:01

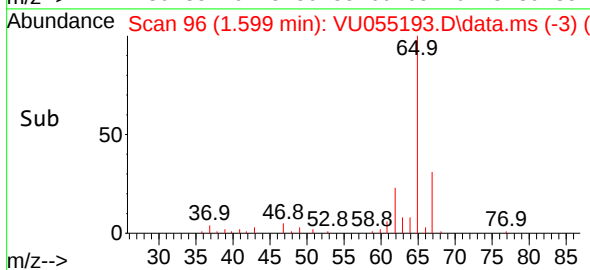
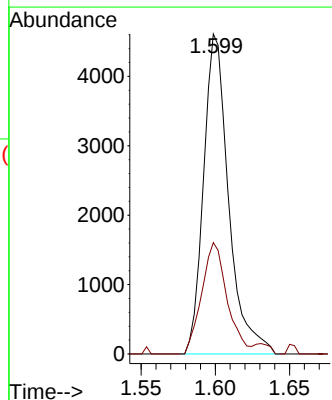
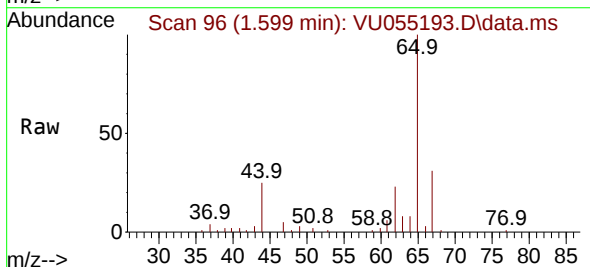
Instrument :
MSVOA_U
ClientSampleId :
BH4D8

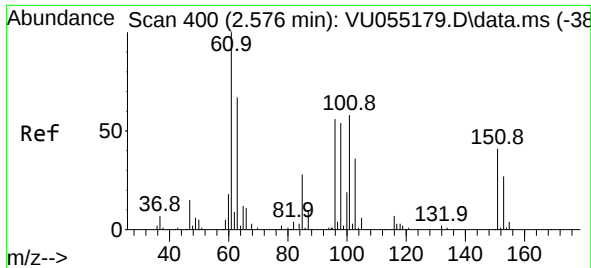
Tgt Ion: 50 Resp: 3420
Ion Ratio Lower Upper
50 100
52 29.1 22.5 41.7



#5
Vinyl chloride
Concen: 0.544 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU055193.D
Acq: 07 Sep 2023 17:01

Tgt Ion: 62 Resp: 5412
Ion Ratio Lower Upper
62 100
64 34.8 24.2 45.0





#12

1,1-Dichloroethene

Concen: 8.387 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055193.D

Acq: 07 Sep 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

BH4D8

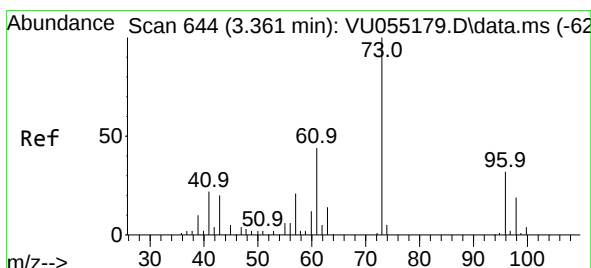
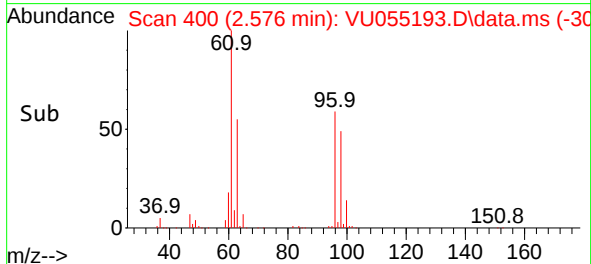
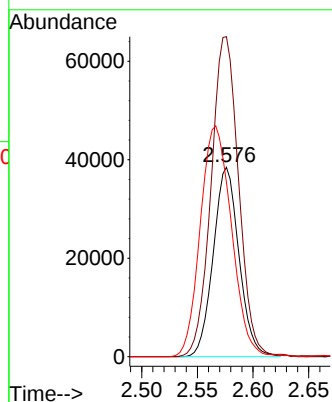
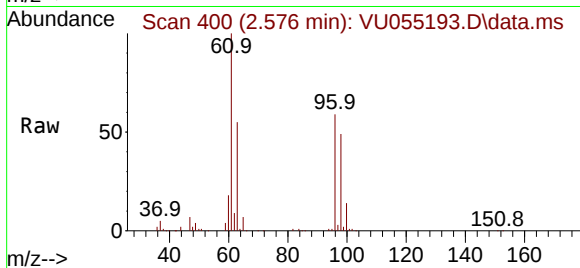
Tgt Ion: 96 Resp: 61823

Ion Ratio Lower Upper

96 100

61 168.8 120.8 224.4

63 92.0 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.394 ug/L

RT: 3.367 min Scan# 646

Delta R.T. 0.006 min

Lab File: VU055193.D

Acq: 07 Sep 2023 17:01

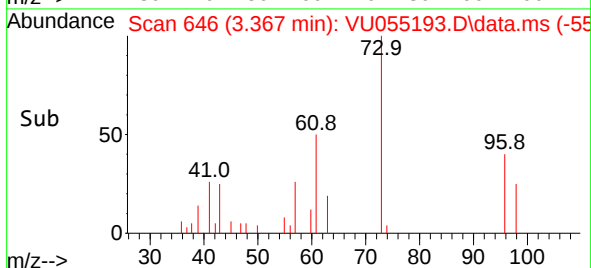
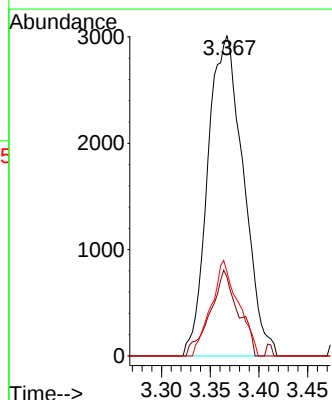
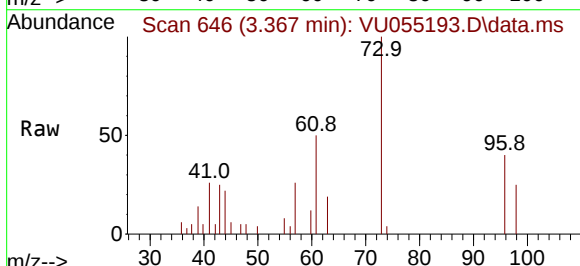
Tgt Ion: 73 Resp: 7618

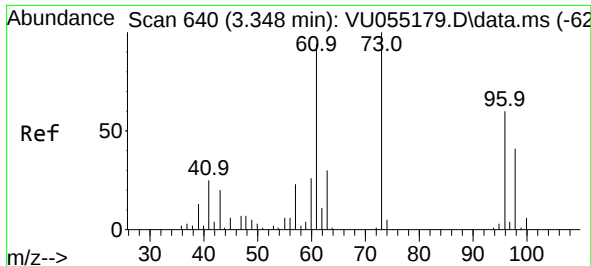
Ion Ratio Lower Upper

73 100

43 21.1 16.2 24.2

57 22.9 17.4 26.2

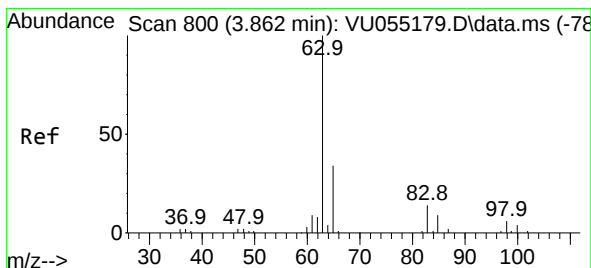
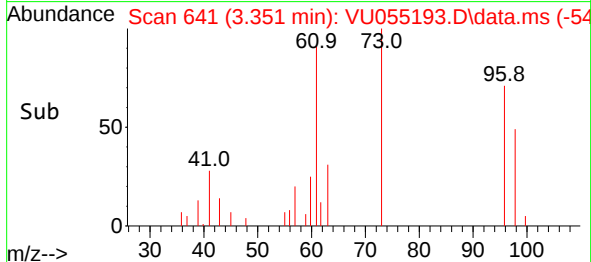
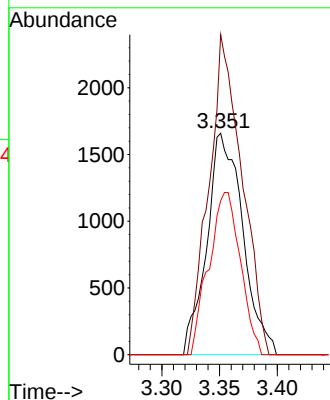
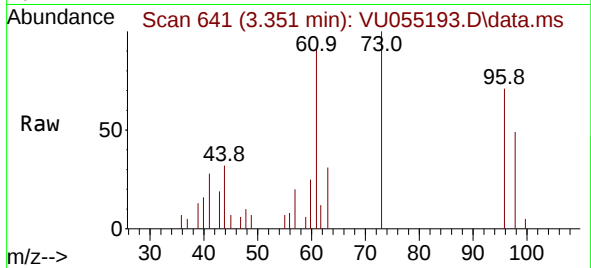




#18
trans-1,2-Dichloroethene
Concen: 0.480 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055193.D
Acq: 07 Sep 2023 17:01

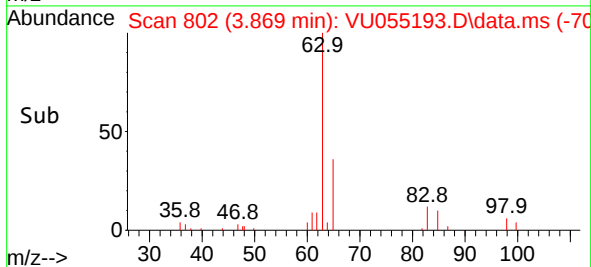
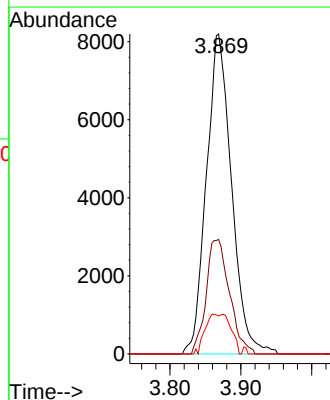
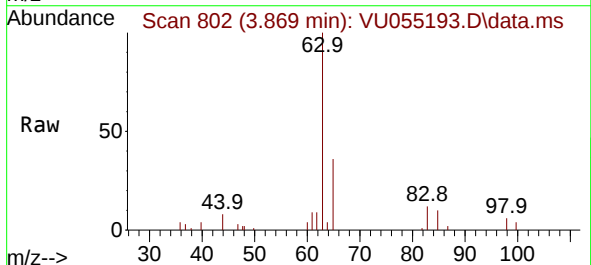
Instrument :
MSVOA_U
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BH4D8

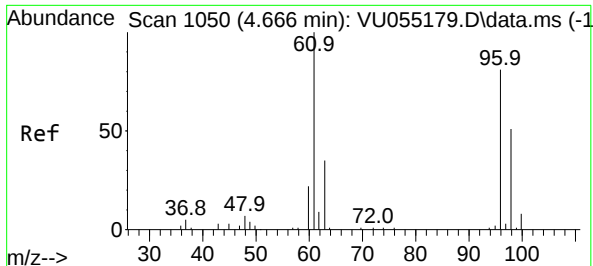
Tgt Ion: 96 Resp: 3588
Ion Ratio Lower Upper
96 100
61 144.5 108.1 200.9
98 69.6 45.4 84.4



#19
1,1-Dichloroethane
Concen: 1.251 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.006 min
Lab File: VU055193.D
Acq: 07 Sep 2023 17:01

Tgt Ion: 63 Resp: 20222
Ion Ratio Lower Upper
63 100
65 34.3 22.2 41.2
83 11.4 10.6 19.8



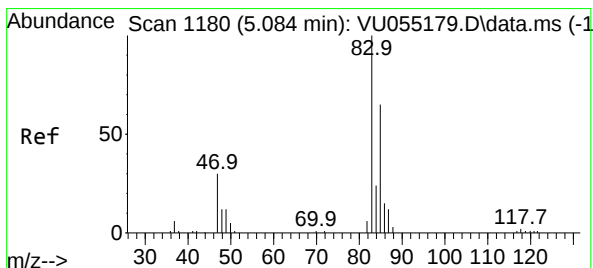
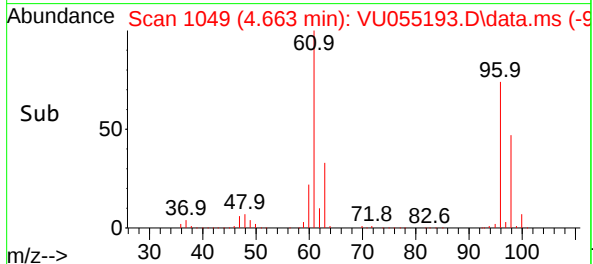
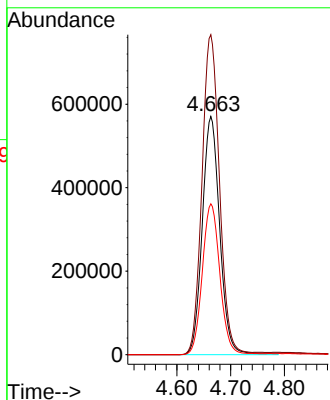
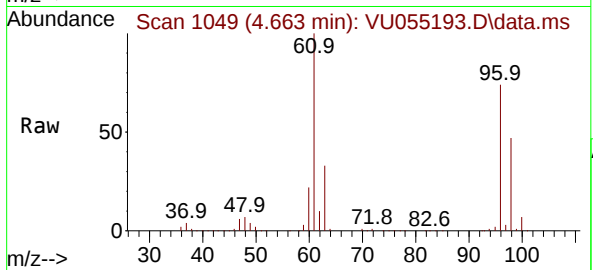


#22
 cis-1,2-Dichloroethene
 Concen: 140.996 ug/L
 RT: 4.663 min Scan# 110
 Delta R.T. -0.003 min
 Lab File: VU055193.D
 Acq: 07 Sep 2023 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4D8

Tgt Ion: 96 Resp: 1290825

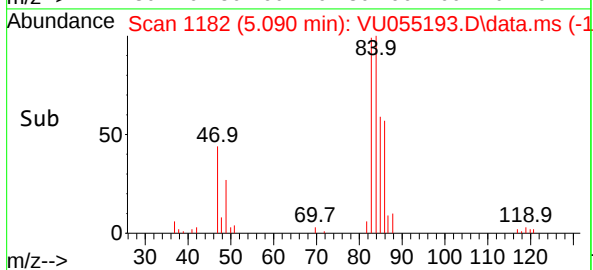
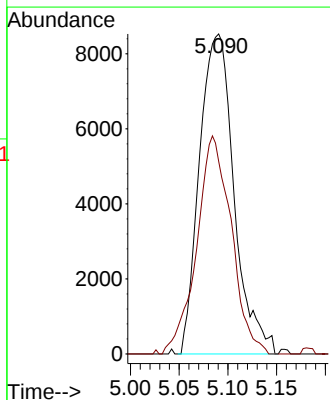
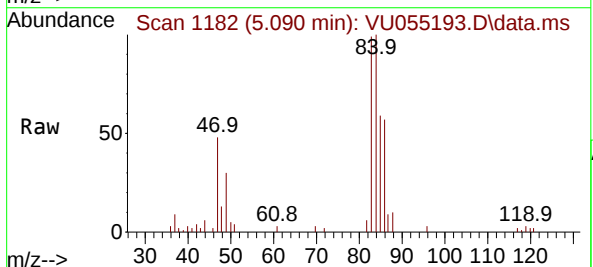
Ion	Ratio	Lower	Upper
96	100		
61	134.3	97.2	180.4
98	63.3	46.1	85.7

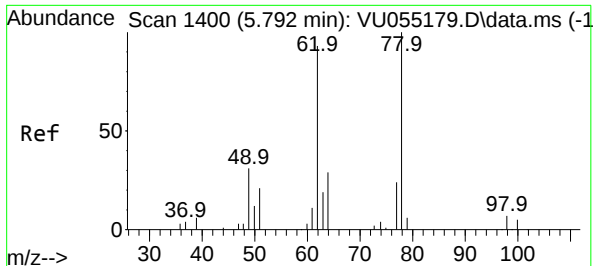


#25
 Chloroform
 Concen: 1.251 ug/L
 RT: 5.090 min Scan# 1182
 Delta R.T. 0.006 min
 Lab File: VU055193.D
 Acq: 07 Sep 2023 17:01

Tgt Ion: 83 Resp: 21051

Ion	Ratio	Lower	Upper
83	100		
85	60.2	47.2	87.6

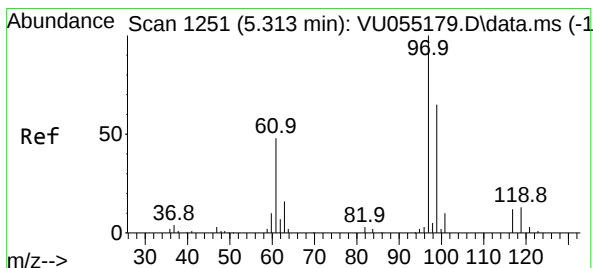
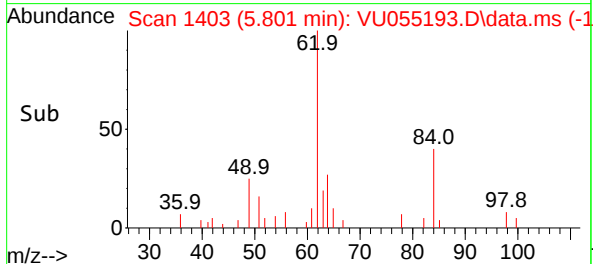
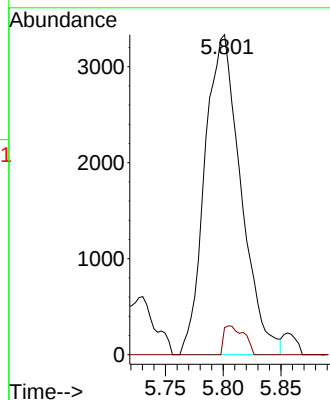
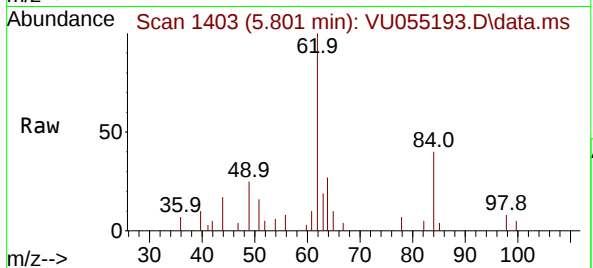




#27
1,2-Dichloroethane
Concen: 0.704 ug/L
RT: 5.801 min Scan# 1400
Delta R.T. 0.009 min
Lab File: VU055193.D
Acq: 07 Sep 2023 17:01

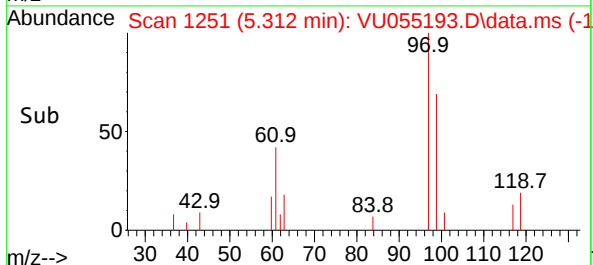
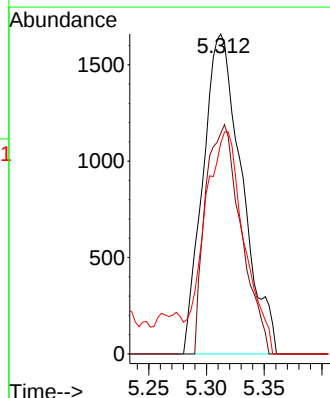
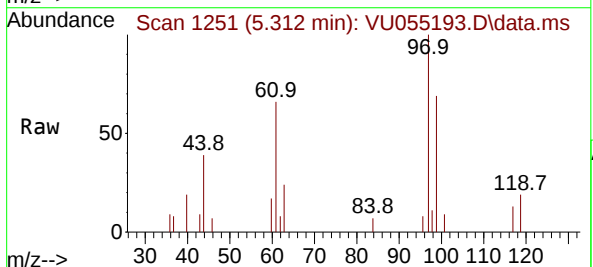
Instrument :
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ClientSampleId :
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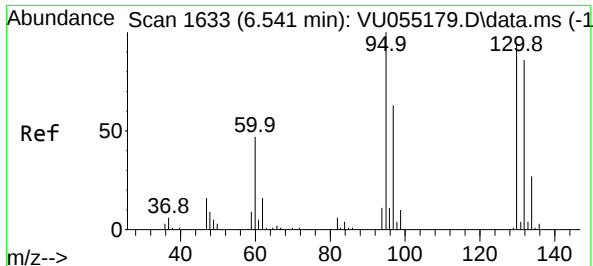
Tgt Ion: 62 Resp: 7238
Ion Ratio Lower Upper
62 100
98 8.4 6.9 10.3



#29
1,1,1-Trichloroethane
Concen: 0.272 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU055193.D
Acq: 07 Sep 2023 17:01

Tgt Ion: 97 Resp: 3886
Ion Ratio Lower Upper
97 100
99 65.5 51.8 77.8
61 70.8 36.8 55.2#

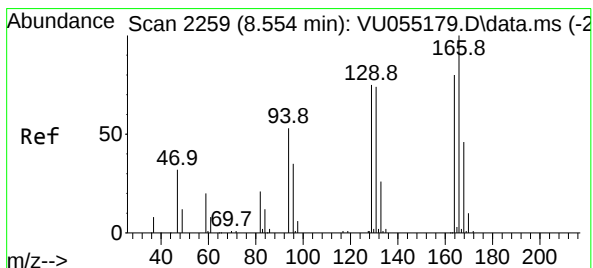
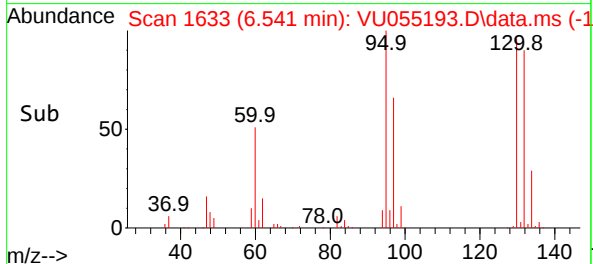
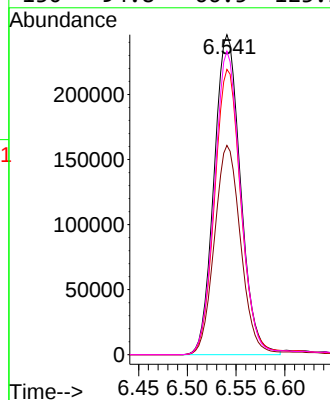
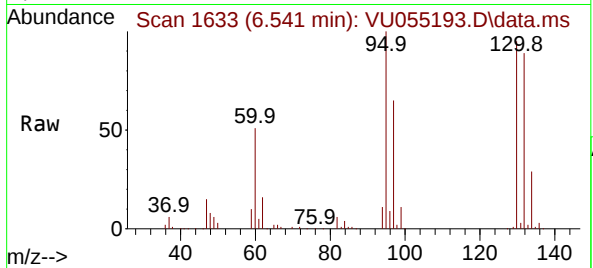




#34
Trichloroethene
Concen: 47.532 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055193.D
Acq: 07 Sep 2023 17:01

Instrument :
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ClientSampleId :
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Tgt Ion: 95 Resp: 464537
Ion Ratio Lower Upper
95 100
97 65.4 44.7 83.1
132 89.2 66.6 123.6
130 94.8 66.5 123.5



#47
Tetrachloroethene
Concen: 0.248 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.000 min
Lab File: VU055193.D
Acq: 07 Sep 2023 17:01

Tgt Ion:164 Resp: 1677
Ion Ratio Lower Upper
164 100
129 101.9 69.2 128.6
131 96.7 68.8 127.8
166 111.5 92.3 171.5

