

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055192.D
 Acq On : 07 Sep 2023 16:37
 Operator : MD/SY
 Sample : 04286-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4D2

Quant Time: Sep 08 05:08:47 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)

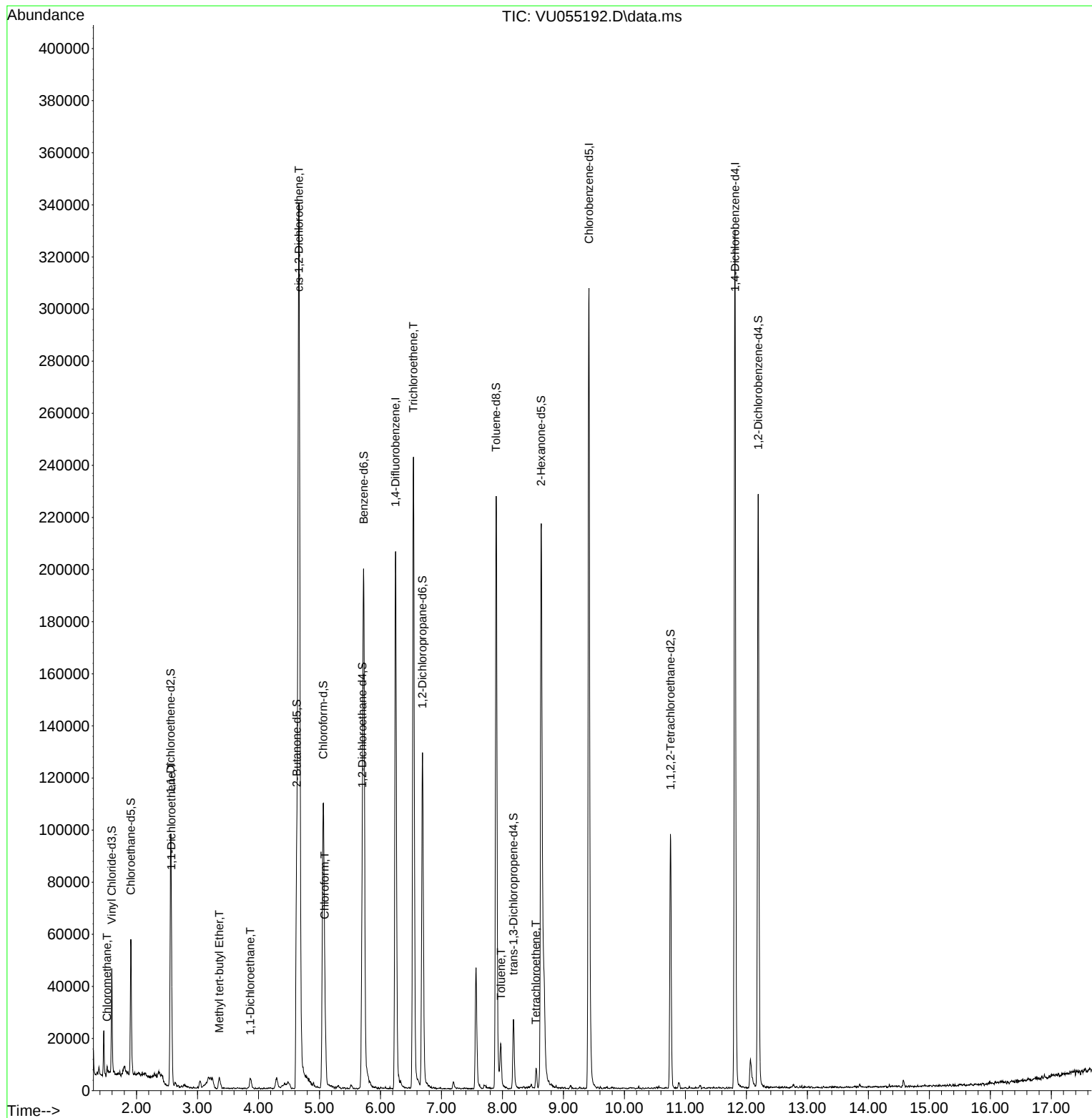
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	159994	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	165399	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	80259	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	26704	3.561	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.200%
7) Chloroethane-d5	1.907	69	34854	4.015	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.400%
11) 1,1-Dichloroethene-d2	2.560	65	16800	3.932	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	4.628	46	125252	57.560	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.120%
24) Chloroform-d	5.062	84	96897	4.870	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.702	65	50500	5.073	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	5.724	84	179624	4.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.689	67	61993	4.774	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.898	98	151702	4.034	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	8.181	79	14925	4.174	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.634	63	67628	46.582	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.160%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	48837	5.348	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	58017	4.952	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	3501	0.370	ug/L	99
12) 1,1-Dichloroethene	2.573	96	5312	0.718	ug/L #	1
17) Methyl tert-butyl Ether	3.358	73	3407	0.176	ug/L #	84
19) 1,1-Dichloroethane	3.866	63	4372	0.270	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	162110	17.647	ug/L	99
25) Chloroform	5.087	83	22693	1.343	ug/L	92
34) Trichloroethene	6.541	95	81606	8.341	ug/L	97
42) Toluene	7.975	91	12394	0.330	ug/L	99
47) Tetrachloroethene	8.550	164	1667	0.247	ug/L	93

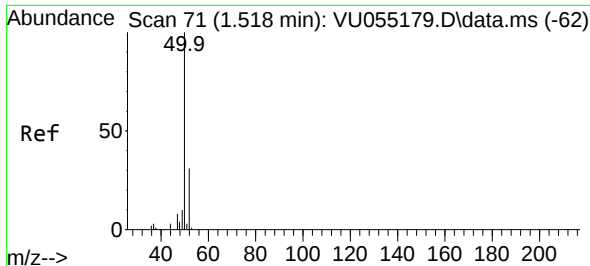
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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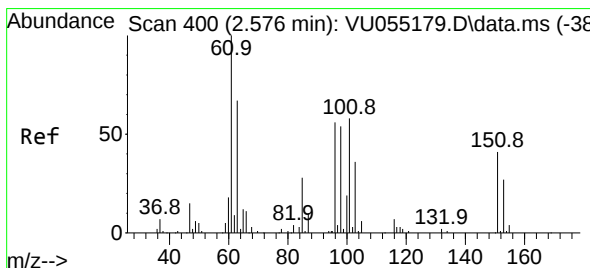
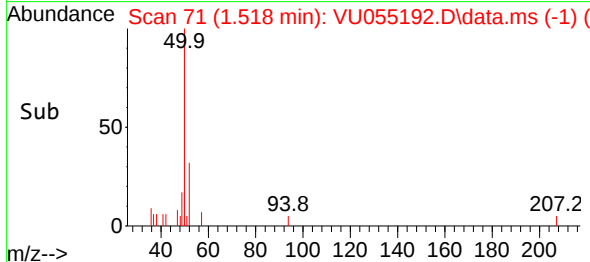
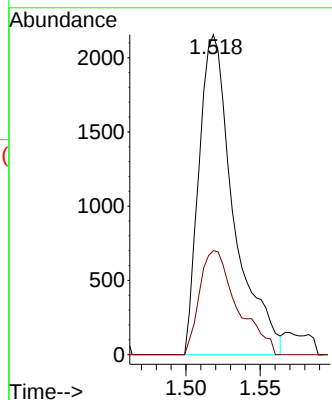
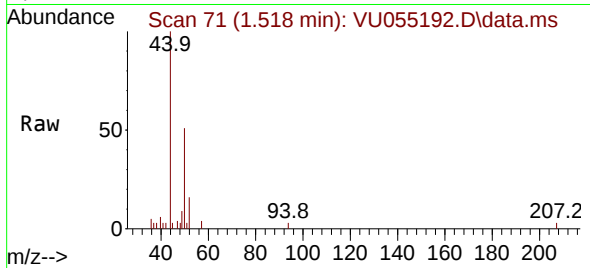




#3
Chloromethane
Concen: 0.370 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU055192.D
Acq: 07 Sep 2023 16:37

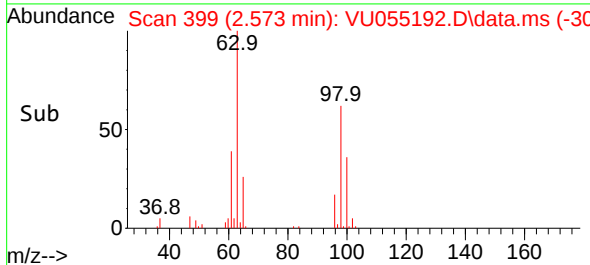
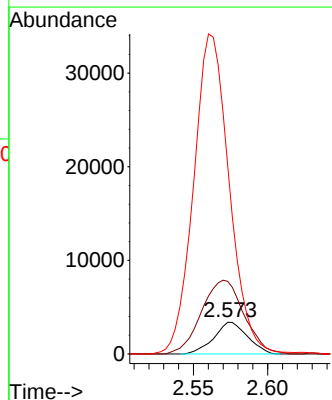
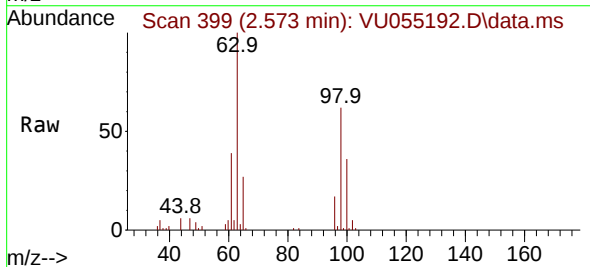
Instrument :
MSVOA_U
ClientSampleId :
BH4D2

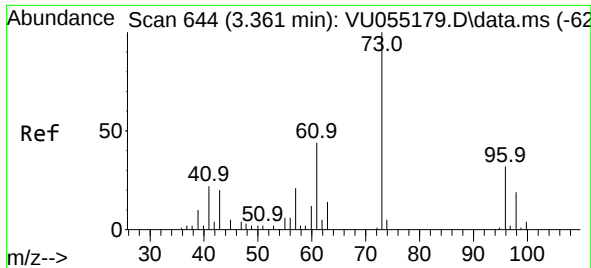
Tgt Ion: 50 Resp: 3501
Ion Ratio Lower Upper
50 100
52 32.5 22.5 41.7



#12
1,1-Dichloroethene
Concen: 0.718 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU055192.D
Acq: 07 Sep 2023 16:37

Tgt Ion: 96 Resp: 5312
Ion Ratio Lower Upper
96 100
61 229.2 120.8 224.4#
63 593.4 94.5 175.5#

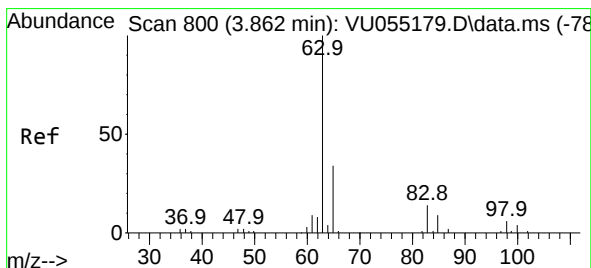
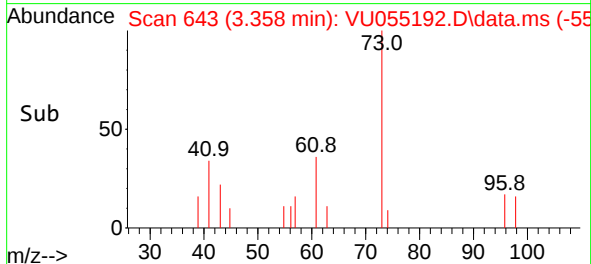
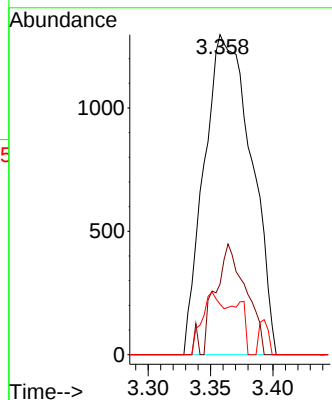
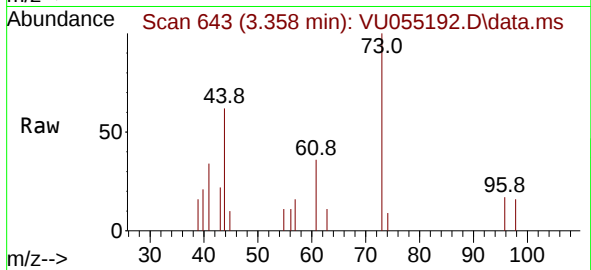




#17
Methyl tert-butyl Ether
Concen: 0.176 ug/L
RT: 3.358 min Scan# 643
Delta R.T. -0.003 min
Lab File: VU055192.D
Acq: 07 Sep 2023 16:37

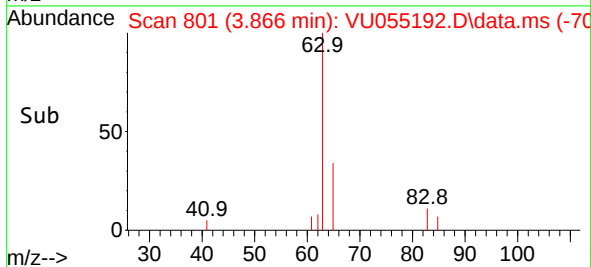
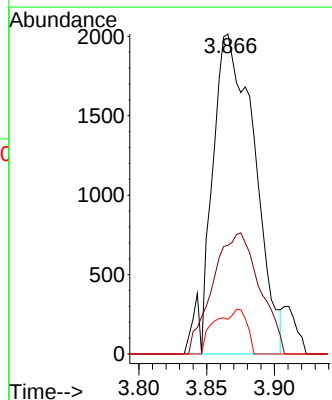
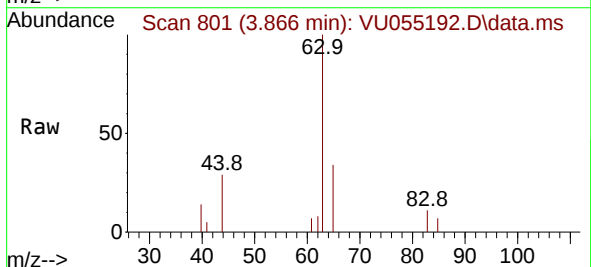
Instrument :
MSVOA_U
ClientSampleId :
BH4D2

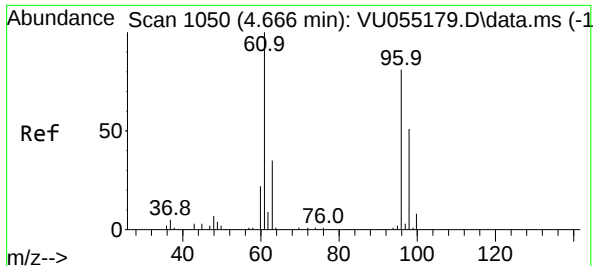
Tgt Ion: 73 Resp: 3407
Ion Ratio Lower Upper
73 100
43 22.4 16.2 24.2
57 9.5 17.4 26.2#



#19
1,1-Dichloroethane
Concen: 0.270 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU055192.D
Acq: 07 Sep 2023 16:37

Tgt Ion: 63 Resp: 4372
Ion Ratio Lower Upper
63 100
65 33.9 22.2 41.2
83 10.9 10.6 19.8





#22

cis-1,2-Dichloroethene

Concen: 17.647 ug/L

RT: 4.663 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055192.D

Acq: 07 Sep 2023 16:37

Instrument :

MSVOA_U

ClientSampleId :

BH4D2

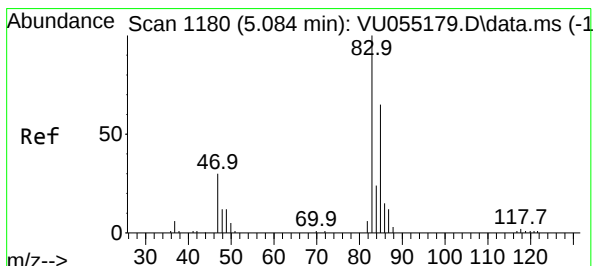
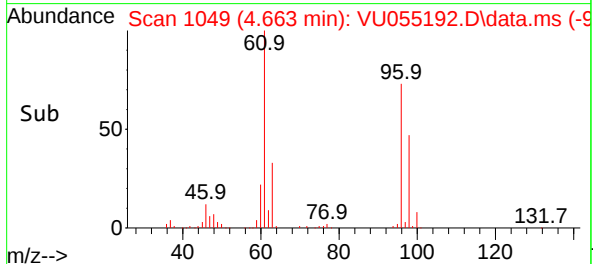
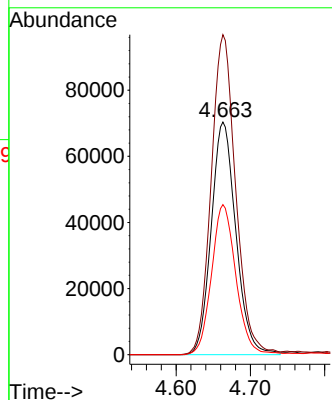
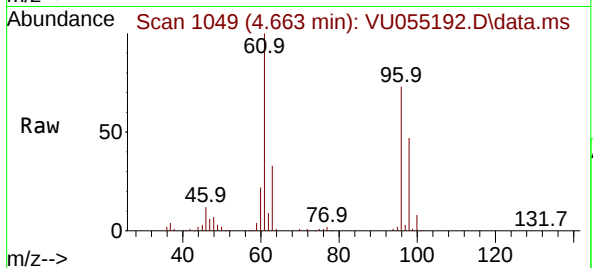
Tgt Ion: 96 Resp: 162110

Ion Ratio Lower Upper

96 100

61 137.5 97.2 180.4

98 64.5 46.1 85.7



#25

Chloroform

Concen: 1.343 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. 0.003 min

Lab File: VU055192.D

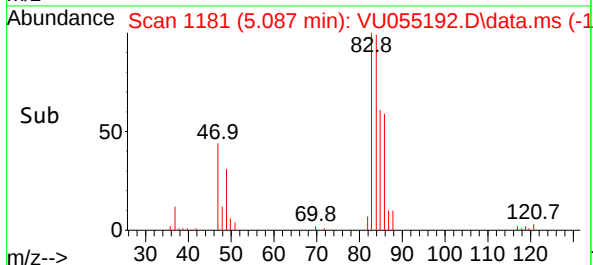
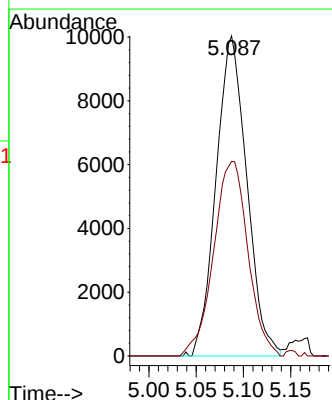
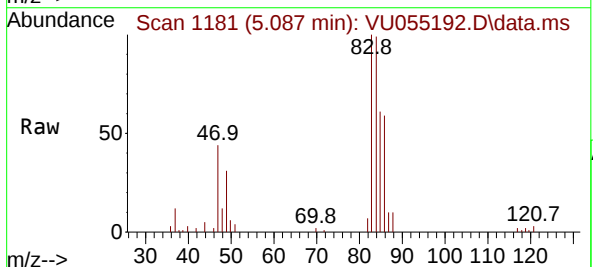
Acq: 07 Sep 2023 16:37

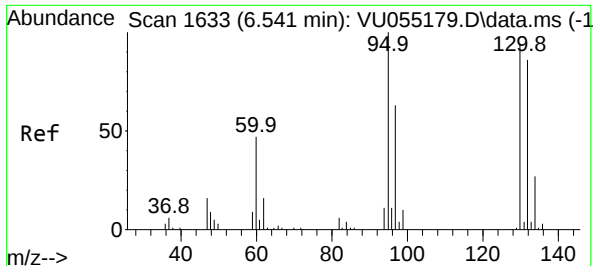
Tgt Ion: 83 Resp: 22693

Ion Ratio Lower Upper

83 100

85 60.8 47.2 87.6





#34

Trichloroethene

Concen: 8.341 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055192.D

Acq: 07 Sep 2023 16:37

Instrument :

MSVOA_U

ClientSampleId :

BH4D2

Tgt Ion: 95 Resp: 81606

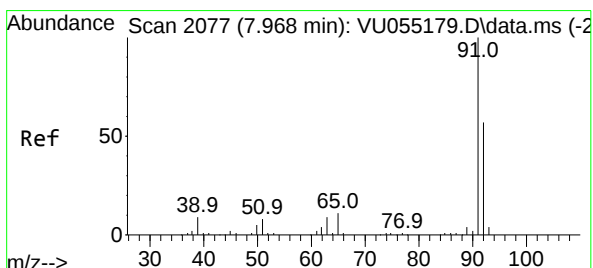
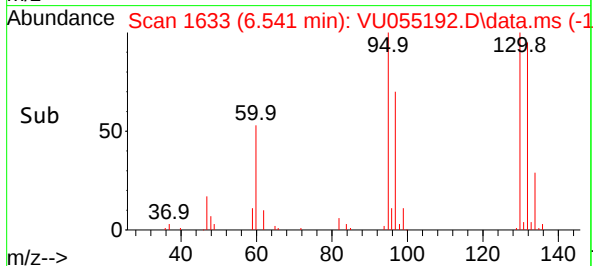
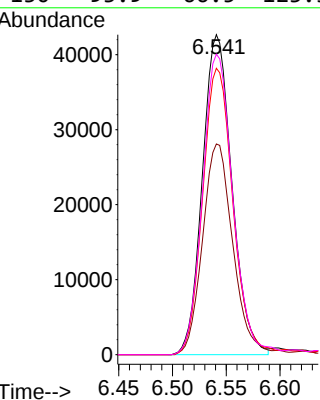
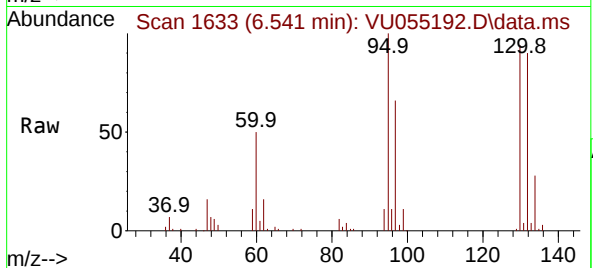
Ion Ratio Lower Upper

95 100

97 65.9 44.7 83.1

132 89.5 66.6 123.6

130 93.9 66.5 123.5



#42

Toluene

Concen: 0.330 ug/L

RT: 7.975 min Scan# 2079

Delta R.T. 0.006 min

Lab File: VU055192.D

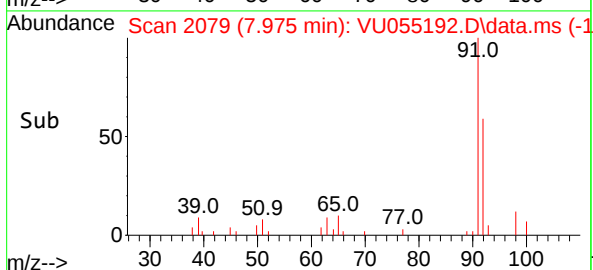
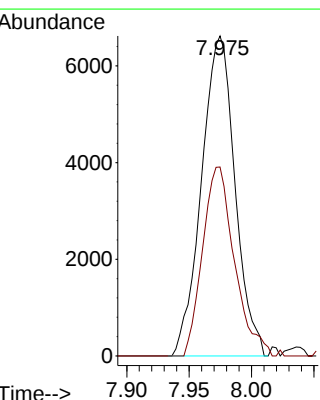
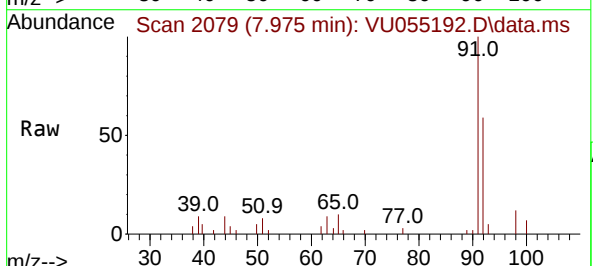
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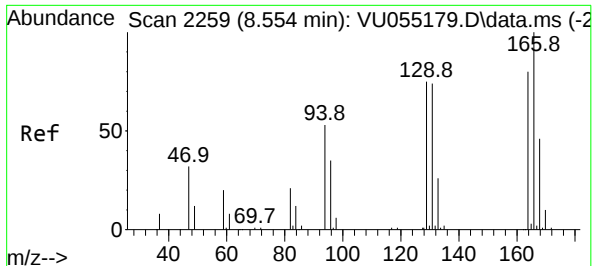
Tgt Ion: 91 Resp: 12394

Ion Ratio Lower Upper

91 100

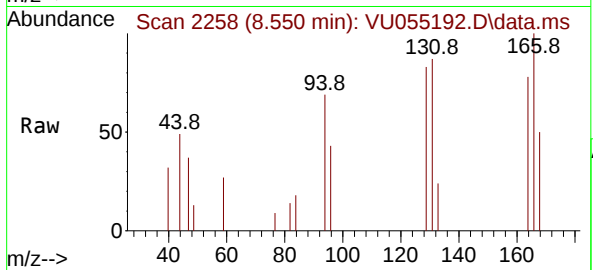
92 59.0 41.9 77.9





#47
 Tetrachloroethene
 Concen: 0.247 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055192.D
 Acq: 07 Sep 2023 16:37

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 ClientSampleId :
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Tgt Ion:164 Resp: 1667

Ion	Ratio	Lower	Upper
164	100		
129	105.5	69.2	128.6
131	110.6	68.8	127.8
166	127.8	92.3	171.5

