

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055359.D
 Acq On : 15 Sep 2023 23:30
 Operator : MD/SY
 Sample : 04380-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4L4

Quant Time: Sep 16 00:47:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:42:29 2023
 Response via : Initial Calibration

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

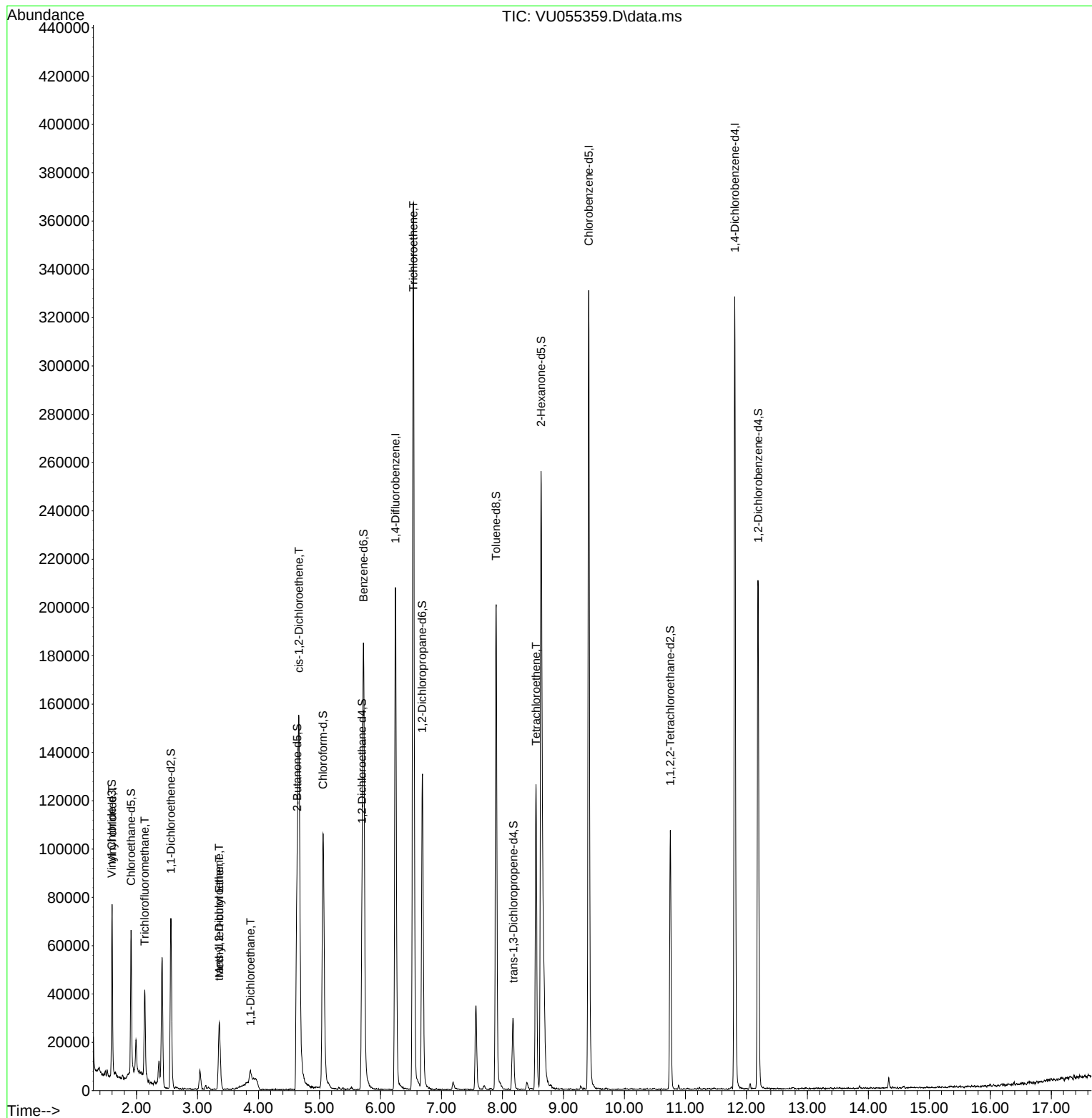
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	168936	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	180390	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	81606	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	23402	2.410	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	48.200%
7) Chloroethane-d5	1.910	69	41258	3.764	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.200%
11) 1,1-Dichloroethene-d2	2.563	65	12794	3.643	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.800%
20) 2-Butanone-d5	4.634	46	151892	56.569	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.140%
24) Chloroform-d	5.058	84	97880	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.698	65	52559	4.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.724	84	173616	4.591	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.685	67	62872	4.880	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.897	98	137138	4.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.180	79	12418	2.716	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	54.400%#
46) 2-Hexanone-d5	8.634	63	77620	46.665	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.320%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52777	4.710	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	53533	5.094	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						
5) Vinyl chloride	1.602	62	27392	1.635	ug/L	99
9) Trichlorofluoromethane	2.136	101	21982	0.820	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	22091	0.776	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	3688	0.282	ug/L	90
19) 1,1-Dichloroethane	3.869	63	5825	0.229	ug/L	92
22) cis-1,2-Dichloroethene	4.663	96	61759	4.038	ug/L	97
34) Trichloroethene	6.541	95	125472	7.383	ug/L	95
47) Tetrachloroethene	8.553	164	26101	2.241	ug/L	92

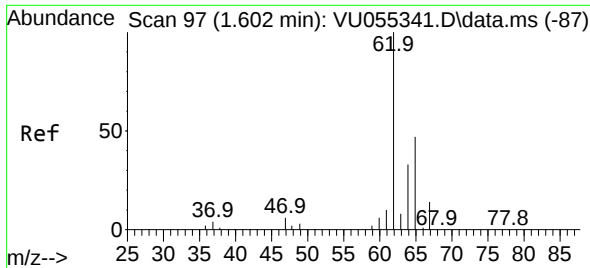
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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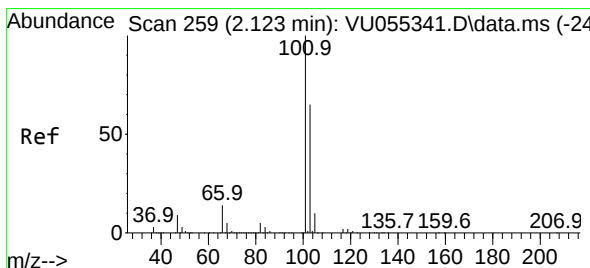
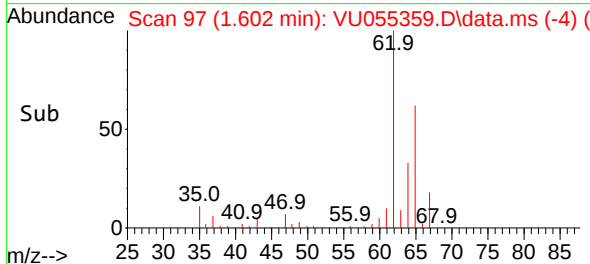
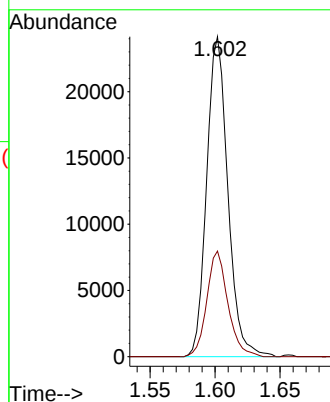
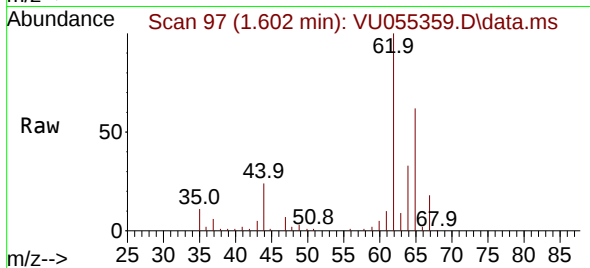




#5
 Vinyl chloride
 Concen: 1.635 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055359.D
 Acq: 15 Sep 2023 23:30

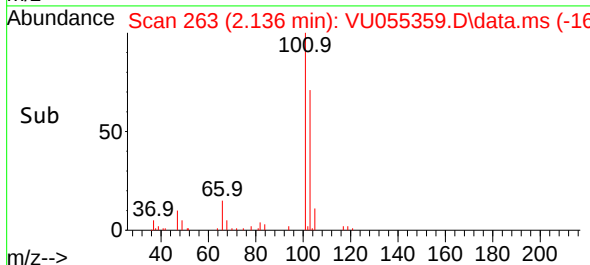
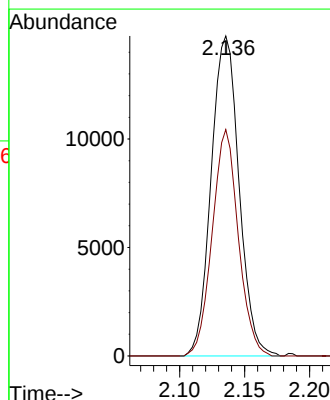
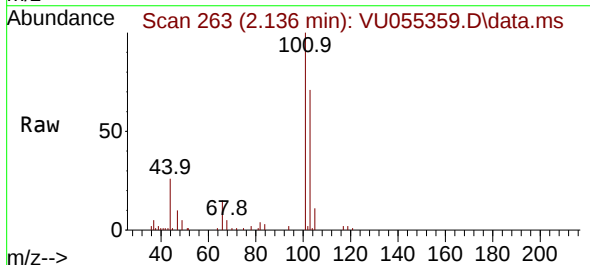
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4L4

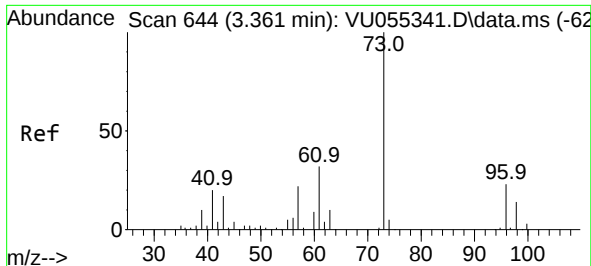
Tgt Ion: 62 Resp: 27392
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.4 43.6



#9
 Trichlorofluoromethane
 Concen: 0.820 ug/L
 RT: 2.136 min Scan# 263
 Delta R.T. 0.013 min
 Lab File: VU055359.D
 Acq: 15 Sep 2023 23:30

Tgt Ion: 101 Resp: 21982
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.8 77.8

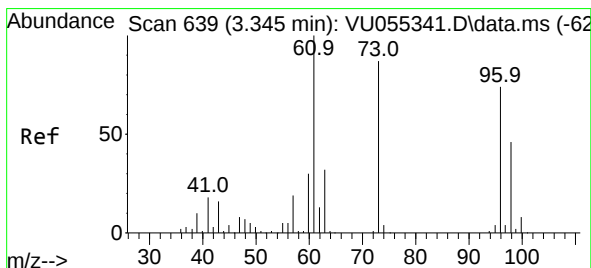
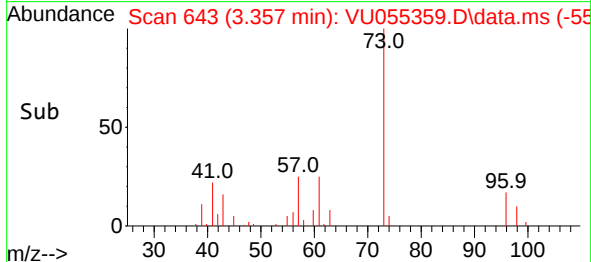
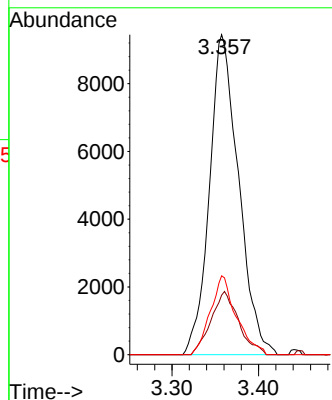
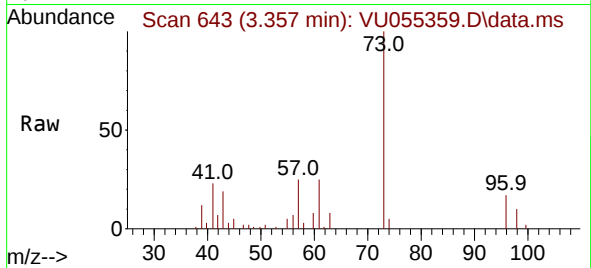




#17
Methyl tert-butyl Ether
Concen: 0.776 ug/L
RT: 3.357 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055359.D
Acq: 15 Sep 2023 23:30

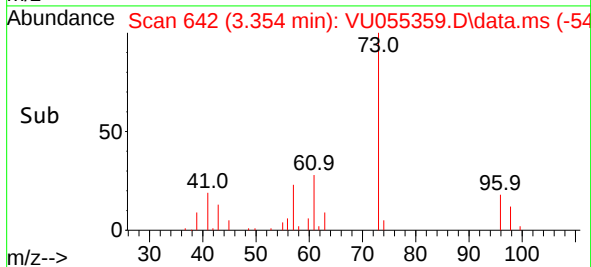
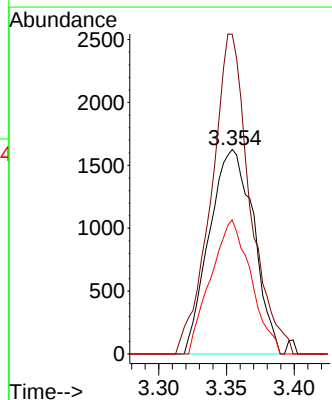
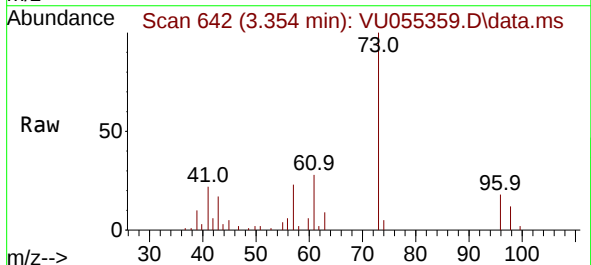
Instrument :
MSVOA_U
ClientSampleId :
BH4L4

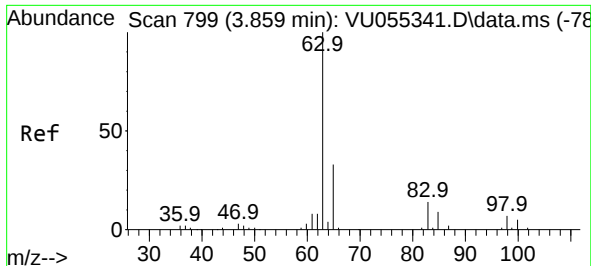
Tgt Ion:	73	Resp:	22091
Ion	Ratio	Lower	Upper
73	100		
43	18.7	16.0	24.0
57	22.0	17.2	25.8



#18
trans-1,2-Dichloroethene
Concen: 0.282 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.010 min
Lab File: VU055359.D
Acq: 15 Sep 2023 23:30

Tgt Ion:	96	Resp:	3688
Ion	Ratio	Lower	Upper
96	100		
61	156.2	97.4	181.0
98	65.5	44.6	82.8





#19

1,1-Dichloroethane

Concen: 0.229 ug/L

RT: 3.869 min Scan# 802

Delta R.T. 0.010 min

Lab File: VU055359.D

Acq: 15 Sep 2023 23:30

Instrument :

MSVOA_U

ClientSampleId :

BH4L4

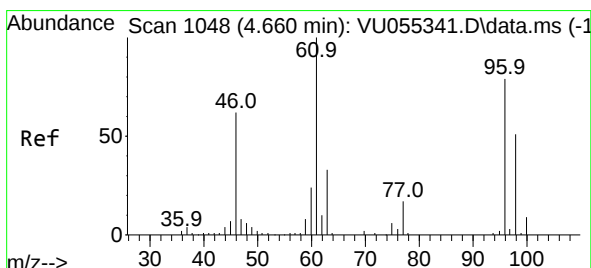
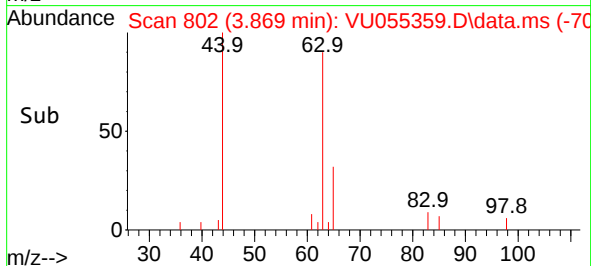
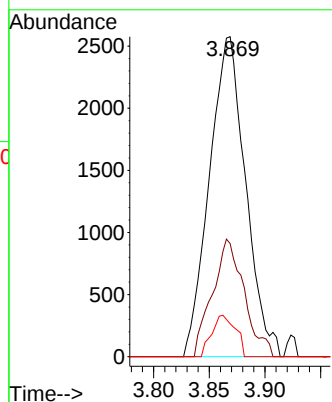
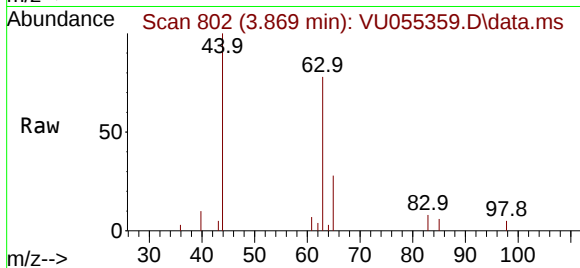
Tgt Ion: 63 Resp: 5825

Ion Ratio Lower Upper

63 100

65 35.4 21.8 40.6

83 10.3 9.7 17.9



#22

cis-1,2-Dichloroethene

Concen: 4.038 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU055359.D

Acq: 15 Sep 2023 23:30

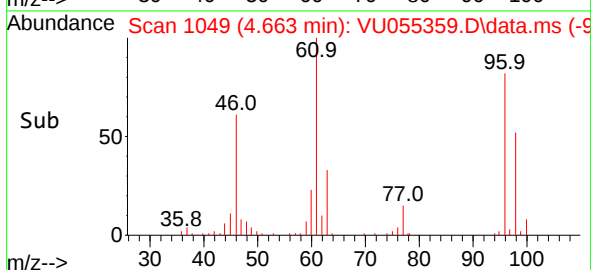
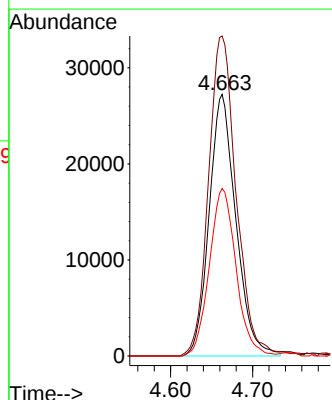
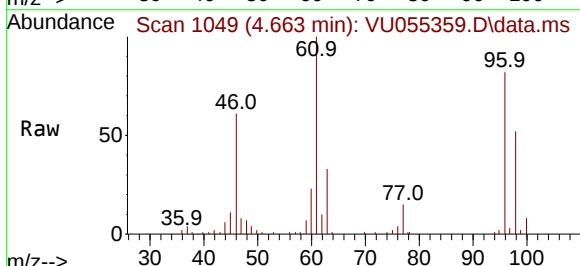
Tgt Ion: 96 Resp: 61759

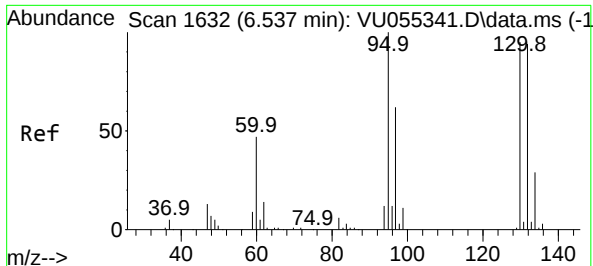
Ion Ratio Lower Upper

96 100

61 122.4 88.1 163.7

98 64.1 43.5 80.7





#34

Trichloroethene

Concen: 7.383 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055359.D

Acq: 15 Sep 2023 23:30

Instrument :

MSVOA_U

ClientSampleId :

BH4L4

Tgt Ion: 95 Resp: 125472

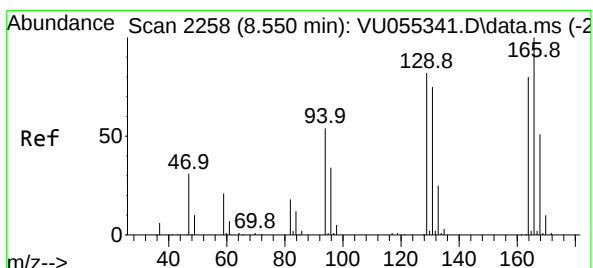
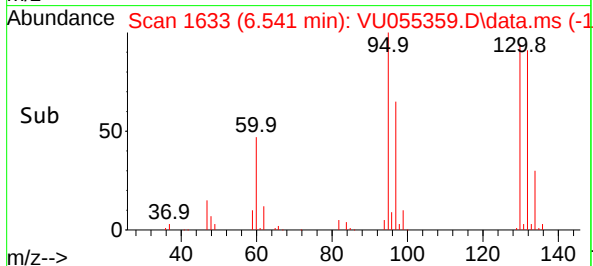
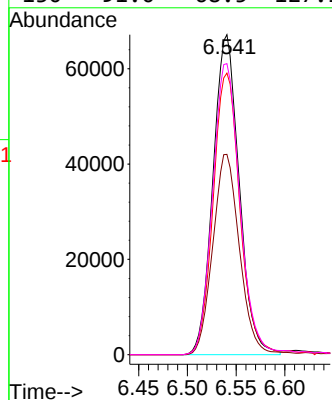
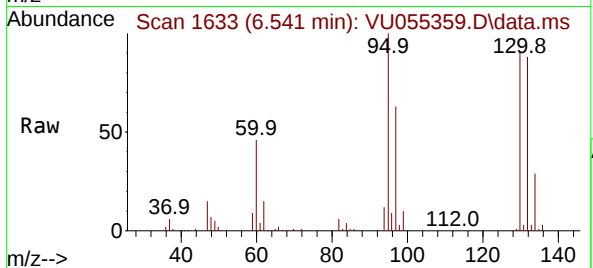
Ion Ratio Lower Upper

95 100

97 62.6 47.4 88.0

132 88.0 60.5 112.3

130 91.0 68.5 127.1



#47

Tetrachloroethene

Concen: 2.241 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU055359.D

Acq: 15 Sep 2023 23:30

Tgt Ion:164 Resp: 26101

Ion Ratio Lower Upper

164 100

129 97.6 76.3 141.7

131 89.7 69.1 128.3

166 130.4 87.8 163.2

