

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055407.D
 Acq On : 19 Sep 2023 22:02
 Operator : MD/SY
 Sample : 04398-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P5

Quant Time: Sep 20 06:10:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

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

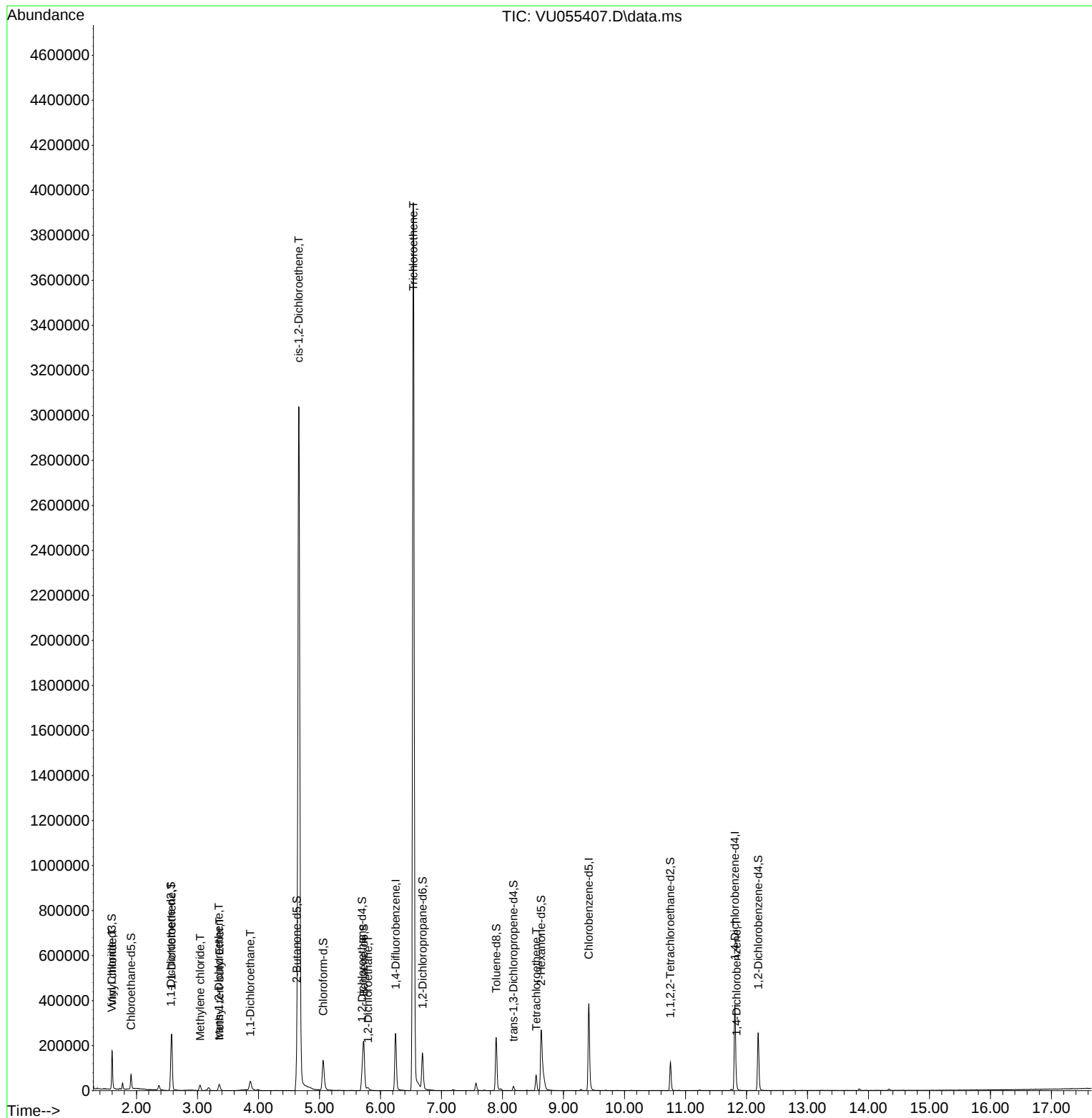
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	212367	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	215886	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	102679	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	29673	1.382	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	27.600%#
7) Chloroethane-d5	1.911	69	43103	2.279	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	45.600%#
11) 1,1-Dichloroethene-d2	2.563	65	15704	1.778	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	35.600%#
20) 2-Butanone-d5	4.628	46	168076	43.354	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.700%
24) Chloroform-d	5.058	84	121417	3.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.600%#
26) 1,2-Dichloroethane-d4	5.698	65	63039	3.376	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.600%#
32) Benzene-d6	5.724	84	208983	2.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	55.400%#
36) 1,2-Dichloropropane-d6	6.689	67	75898	3.364	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	67.200%
41) Toluene-d8	7.898	98	164988	2.397	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	48.000%#
43) trans-1,3-Dichloroprop...	8.180	79	11148	1.408	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	28.200%#
46) 2-Hexanone-d5	8.634	63	81381	33.791	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.580%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62356	3.688	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	66197	3.194	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	63.800%#
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	96494	4.917	ug/L	98
12) 1,1-Dichloroethene	2.576	96	71850	4.839	ug/L #	80
16) Methylene chloride	3.042	84	11631	0.654	ug/L	82
17) Methyl tert-butyl Ether	3.361	73	18165	0.564	ug/L #	96
18) trans-1,2-Dichloroethene	3.351	96	4949	0.331	ug/L	96
19) 1,1-Dichloroethane	3.866	63	42694	1.543	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	1613641	92.999	ug/L	100
27) 1,2-Dichloroethane	5.795	62	8855	0.493	ug/L	99
34) Trichloroethene	6.537	95	1378877	78.452	ug/L	98
47) Tetrachloroethene	8.553	164	14294	1.134	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	5864	0.207	ug/L	93

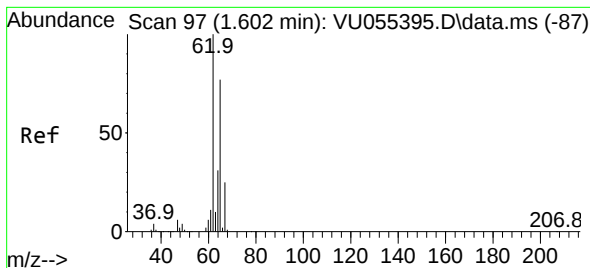
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 20 06:06:30 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.917 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU055407.D

Acq: 19 Sep 2023 22:02

Instrument :

MSVOA_U

ClientSampleId :

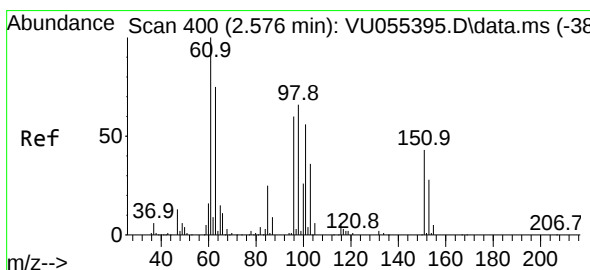
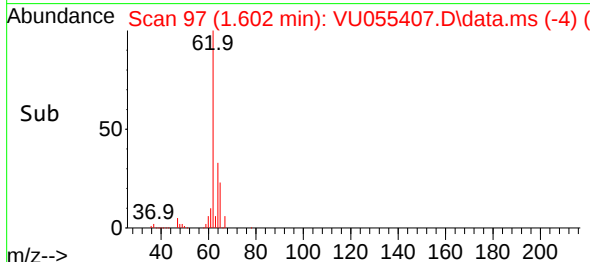
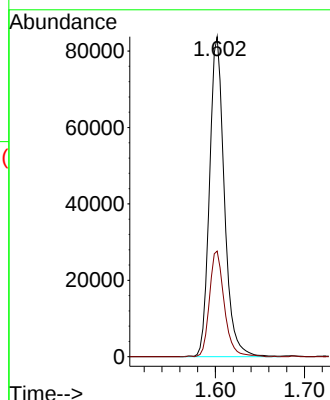
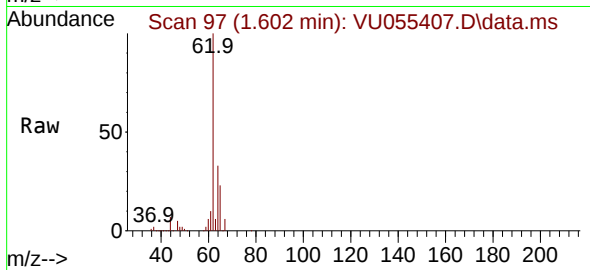
BH4P5

Tgt Ion: 62 Resp: 96494

Ion Ratio Lower Upper

62 100

64 33.0 22.3 41.5



#12

1,1-Dichloroethene

Concen: 4.839 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055407.D

Acq: 19 Sep 2023 22:02

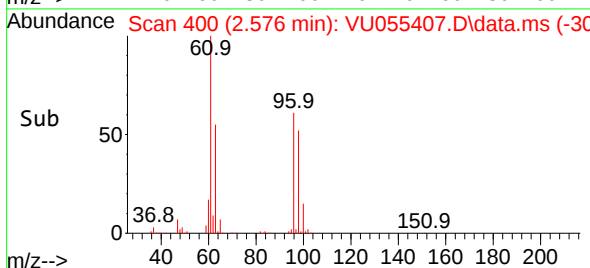
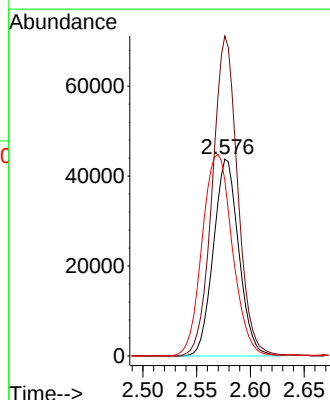
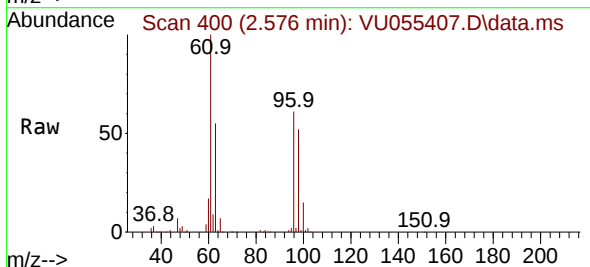
Tgt Ion: 96 Resp: 71850

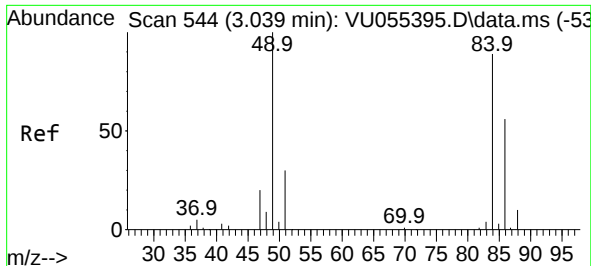
Ion Ratio Lower Upper

96 100

61 162.6 114.5 212.7

63 89.2 98.3 182.5#

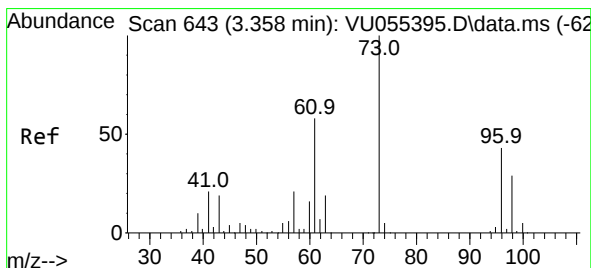
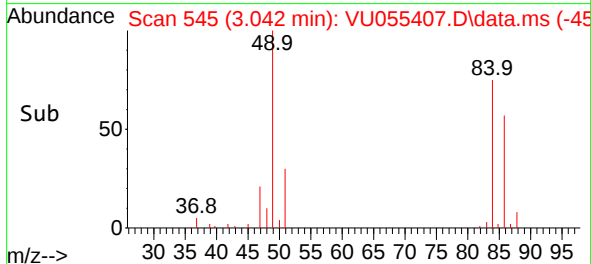
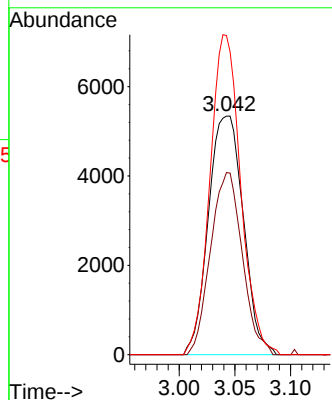
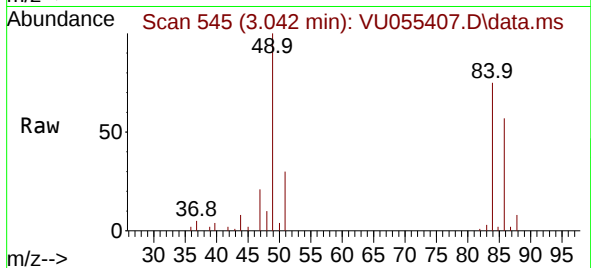




#16
Methylene chloride
Concen: 0.654 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

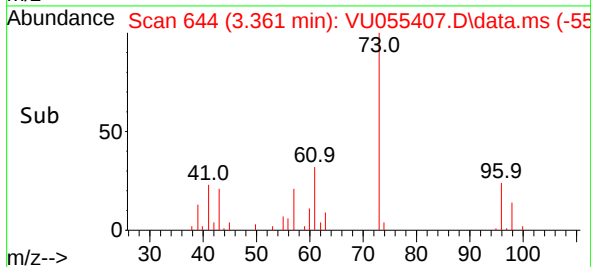
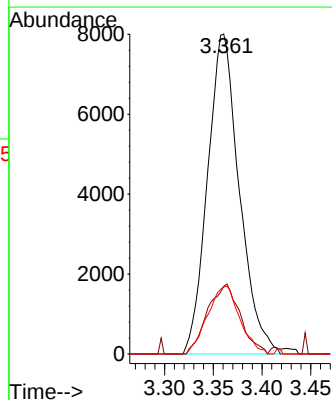
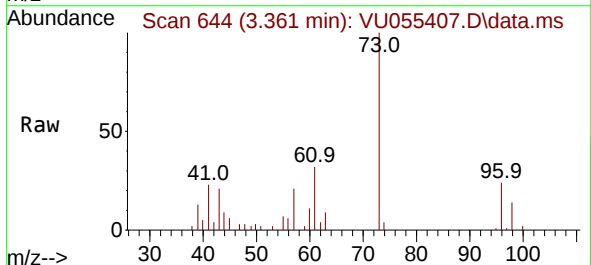
Instrument :
MSVOA_U
ClientSampleId :
BH4P5

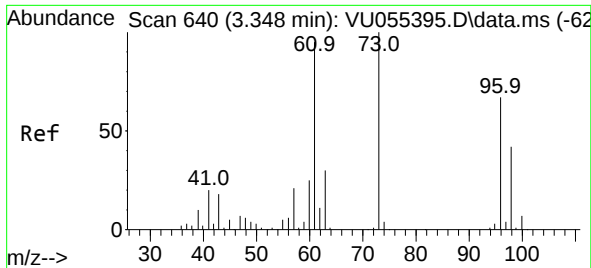
Tgt Ion: 84 Resp: 11631
Ion Ratio Lower Upper
84 100
86 76.3 44.9 83.3
49 133.8 78.8 146.3



#17
Methyl tert-butyl Ether
Concen: 0.564 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

Tgt Ion: 73 Resp: 18165
Ion Ratio Lower Upper
73 100
43 22.4 14.9 22.3#
57 21.4 17.3 25.9

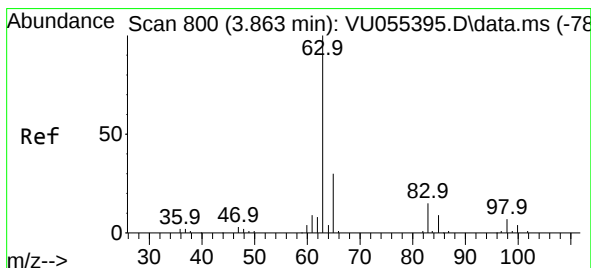
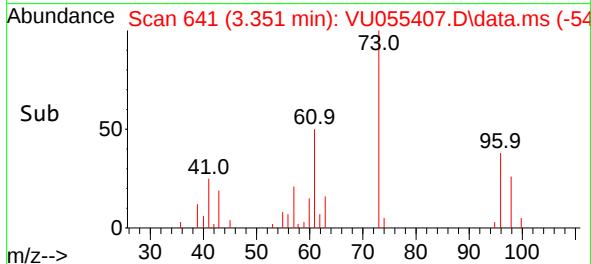
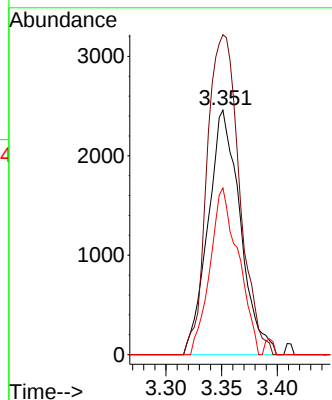
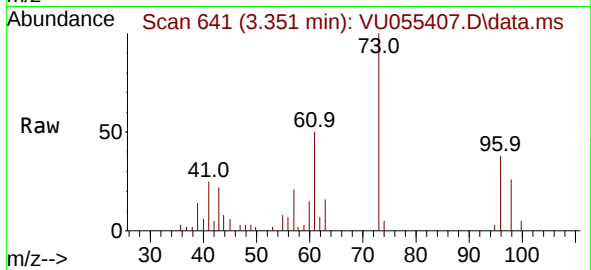




#18
trans-1,2-Dichloroethene
Concen: 0.331 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

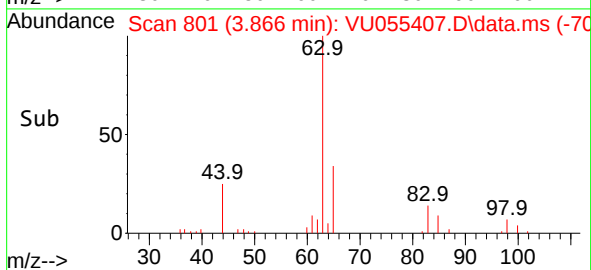
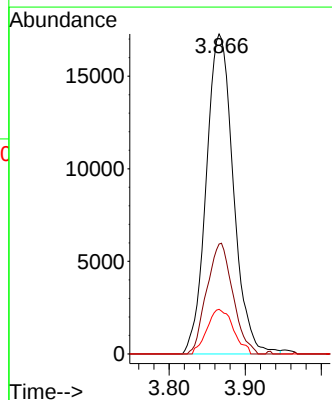
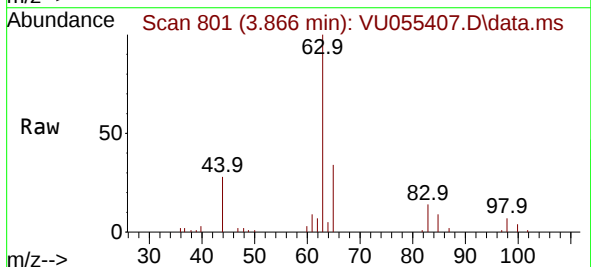
Instrument :
MSVOA_U
ClientSampleId :
BH4P5

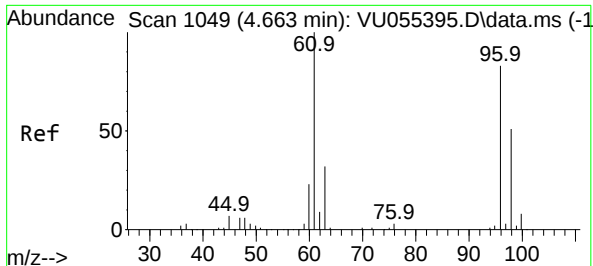
Tgt Ion: 96 Resp: 4949
Ion Ratio Lower Upper
96 100
61 130.9 94.6 175.6
98 68.2 45.7 84.9



#19
1,1-Dichloroethane
Concen: 1.543 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU055407.D
Acq: 19 Sep 2023 22:02

Tgt Ion: 63 Resp: 42694
Ion Ratio Lower Upper
63 100
65 34.4 22.0 41.0
83 14.0 10.1 18.9

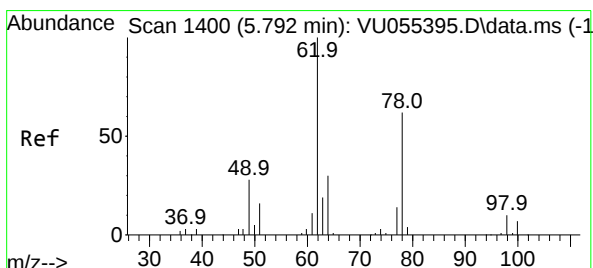
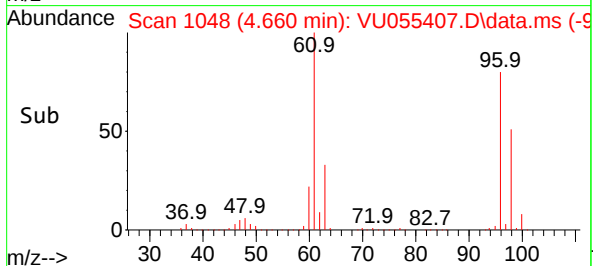
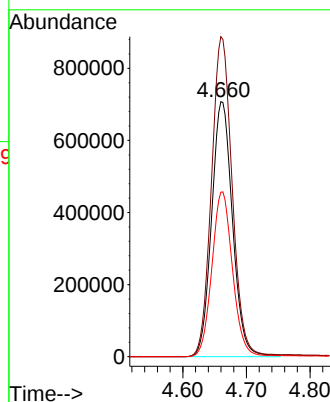
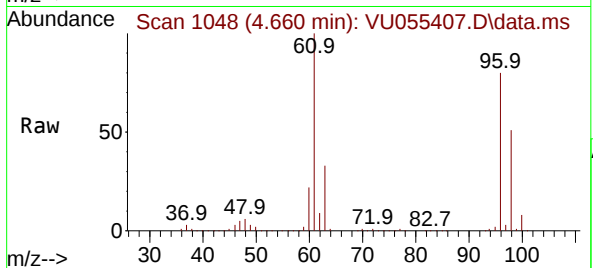




#22
 cis-1,2-Dichloroethene
 Concen: 92.999 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU055407.D
 Acq: 19 Sep 2023 22:02

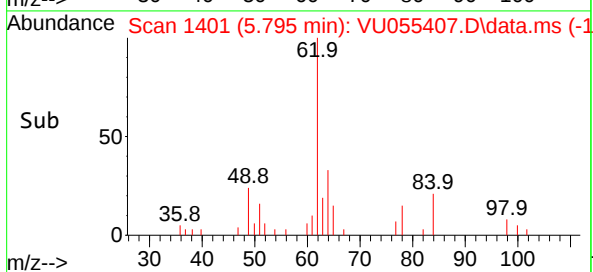
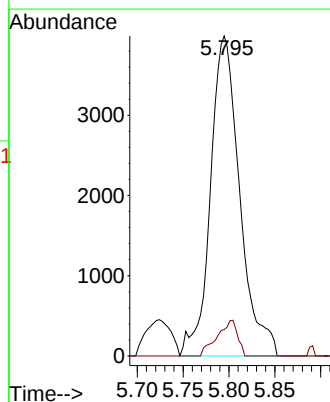
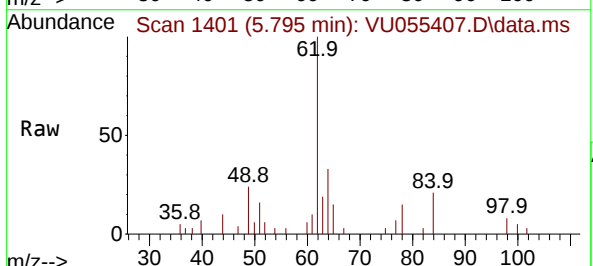
Instrument :
 MSVOA_U
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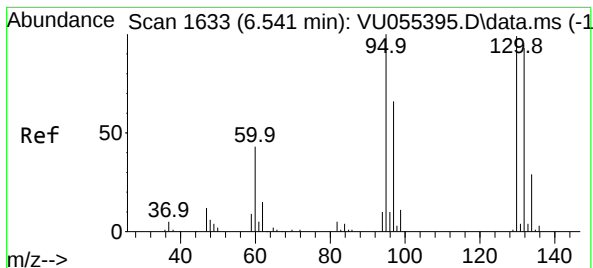
Tgt Ion: 96 Resp: 1613641
 Ion Ratio Lower Upper
 96 100
 61 125.5 87.8 163.2
 98 64.5 44.4 82.4



#27
 1,2-Dichloroethane
 Concen: 0.493 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.003 min
 Lab File: VU055407.D
 Acq: 19 Sep 2023 22:02

Tgt Ion: 62 Resp: 8855
 Ion Ratio Lower Upper
 62 100
 98 8.2 7.0 10.4





#34

Trichloroethene

Concen: 78.452 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055407.D

Acq: 19 Sep 2023 22:02

Instrument :

MSVOA_U

ClientSampleId :

BH4P5

Tgt Ion: 95 Resp: 1378877

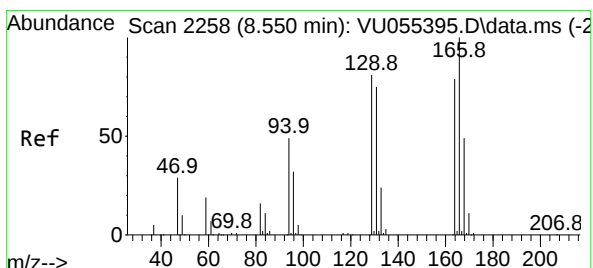
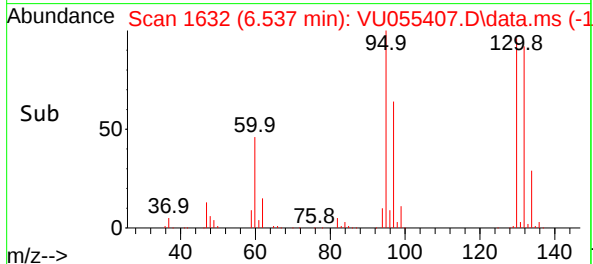
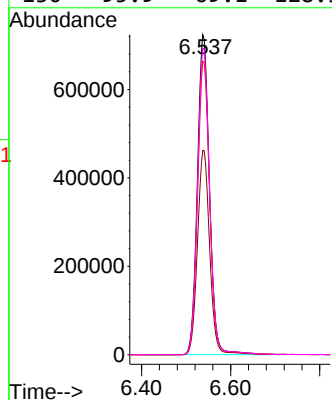
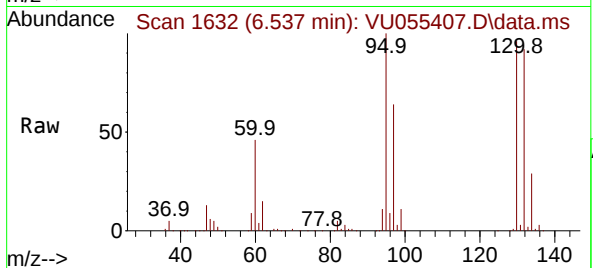
Ion Ratio Lower Upper

95 100

97 63.8 45.4 84.2

132 91.7 65.2 121.2

130 95.9 69.1 128.3



#47

Tetrachloroethene

Concen: 1.134 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU055407.D

Acq: 19 Sep 2023 22:02

Tgt Ion:164 Resp: 14294

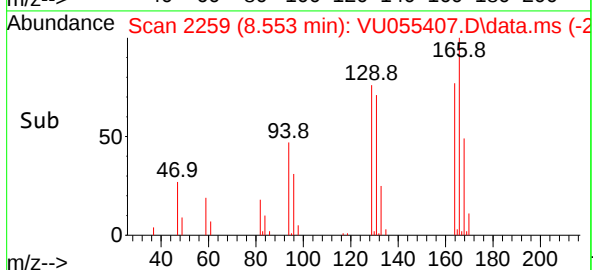
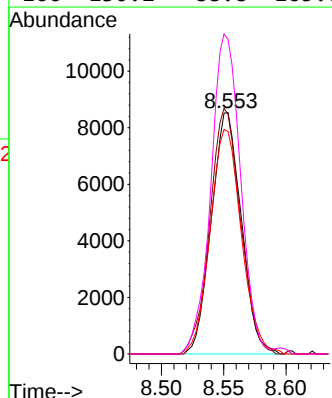
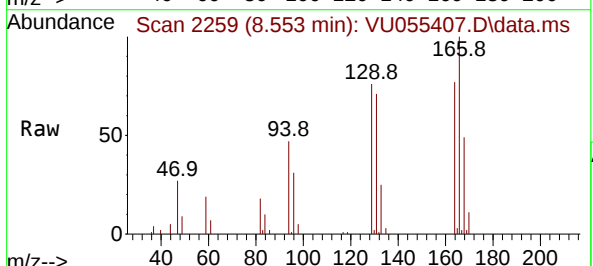
Ion Ratio Lower Upper

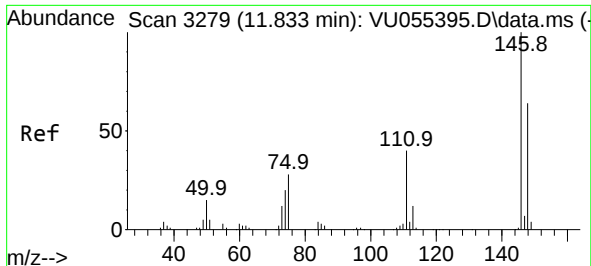
164 100

129 99.2 67.4 125.2

131 92.1 66.4 123.2

166 130.2 88.8 165.0





#65

1,4-Dichlorobenzene

Concen: 0.207 ug/L

RT: 11.836 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055407.D

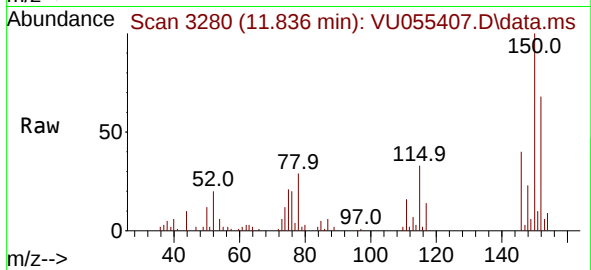
Acq: 19 Sep 2023 22:02

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Tgt Ion:146 Resp: 5864

Ion Ratio Lower Upper

146 100

111 40.2 29.0 53.8

148 57.3 45.4 84.4

