

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055404.D
 Acq On : 19 Sep 2023 20:49
 Operator : MD/SY
 Sample : 04380-21
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P4

Quant Time: Sep 20 06:09:28 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)

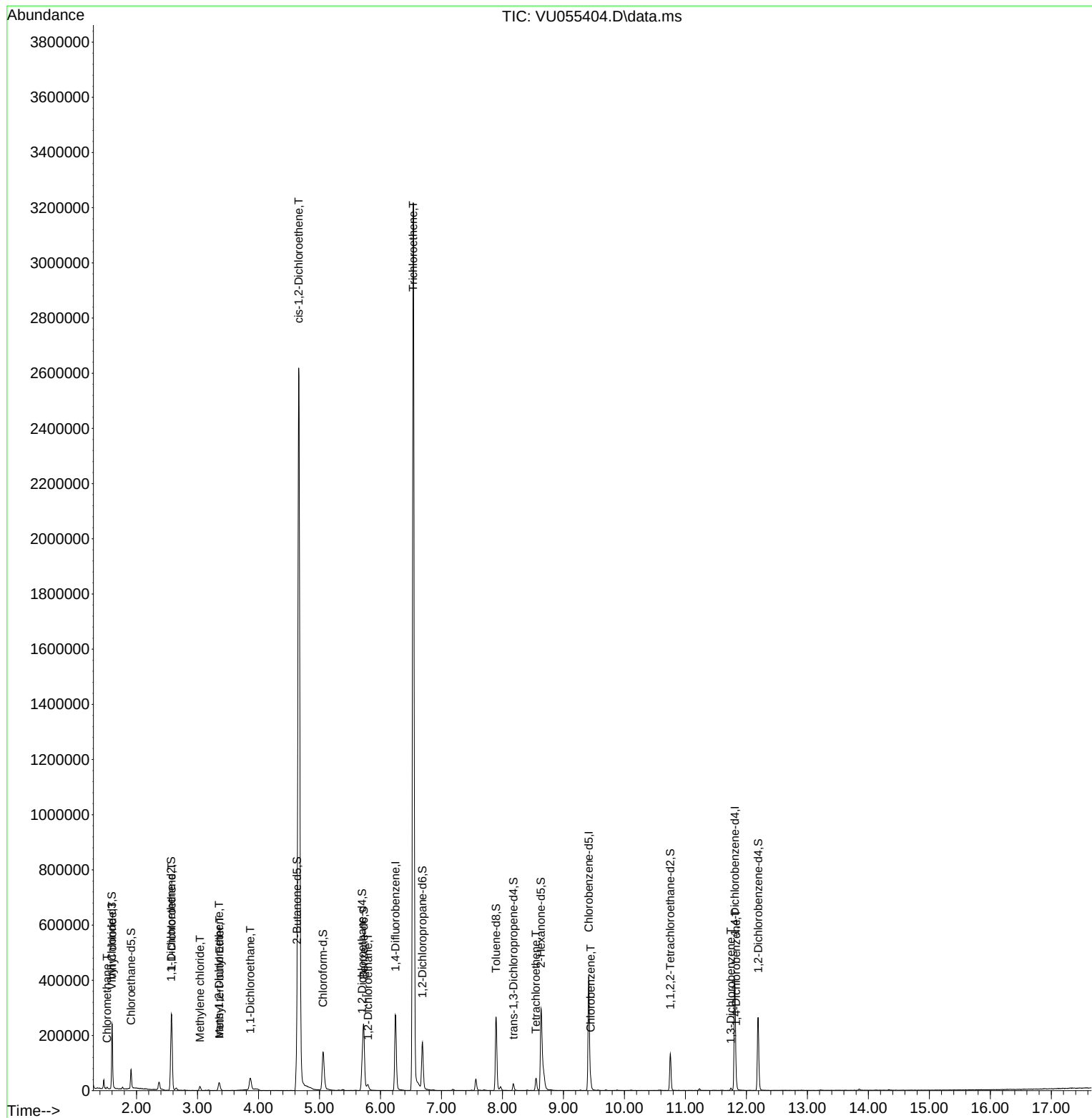
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	227411	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	233037	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	109994	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	33501	1.458	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	29.200%#
7) Chloroethane-d5	1.911	69	47333	2.337	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	46.800%#
11) 1,1-Dichloroethene-d2	2.567	65	19173	2.027	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	40.600%#
20) 2-Butanone-d5	4.631	46	177800	42.828	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.660%
24) Chloroform-d	5.058	84	128096	3.081	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	61.600%#
26) 1,2-Dichloroethane-d4	5.698	65	65925	3.297	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.000%#
32) Benzene-d6	5.724	84	231025	2.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	56.600%#
36) 1,2-Dichloropropane-d6	6.689	67	83387	3.424	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	68.400%
41) Toluene-d8	7.894	98	183052	2.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	49.200%#
43) trans-1,3-Dichloroprop...	8.181	79	14238	1.666	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	33.400%#
46) 2-Hexanone-d5	8.631	63	91258	35.104	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.200%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	67206	3.682	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	70859	3.192	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	63.800%#
Target Compounds						Qvalue
3) Chloromethane	1.515	50	4194	0.215	ug/L	90
5) Vinyl chloride	1.602	62	138648	6.598	ug/L	99
12) 1,1-Dichloroethene	2.576	96	76632	4.820	ug/L #	81
16) Methylene chloride	3.039	84	7073	0.371	ug/L	92
17) Methyl tert-butyl Ether	3.361	73	16843	0.488	ug/L	96
18) trans-1,2-Dichloroethene	3.354	96	6071	0.379	ug/L	95
19) 1,1-Dichloroethane	3.866	63	47384	1.599	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	1385956	74.593	ug/L	100
27) 1,2-Dichloroethane	5.798	62	11582	0.602	ug/L #	94
34) Trichloroethene	6.537	95	1112601	58.643	ug/L	98
47) Tetrachloroethene	8.550	164	9941	0.730	ug/L	97
51) Chlorobenzene	9.447	112	13063	0.285	ug/L #	83
64) 1,3-Dichlorobenzene	11.746	146	3597	0.119	ug/L #	91
65) 1,4-Dichlorobenzene	11.833	146	5834	0.192	ug/L	93

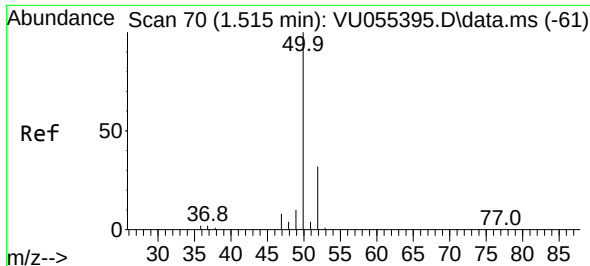
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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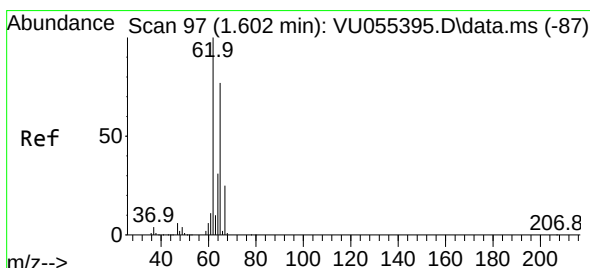
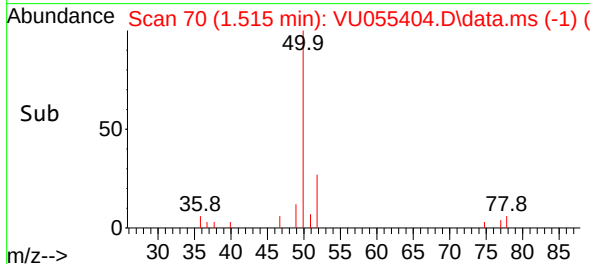
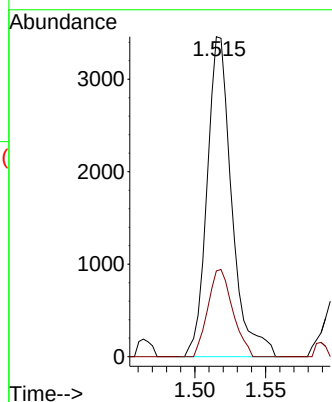
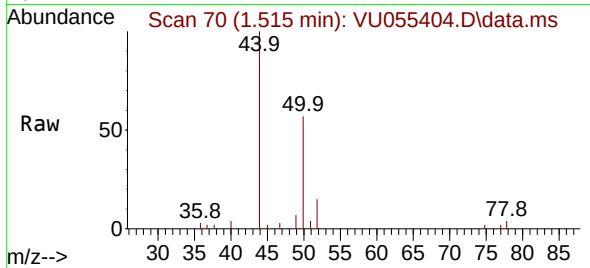




#3
Chloromethane
Concen: 0.215 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

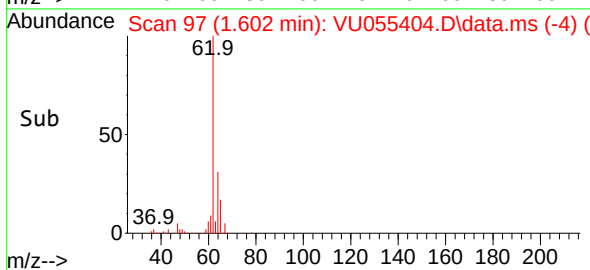
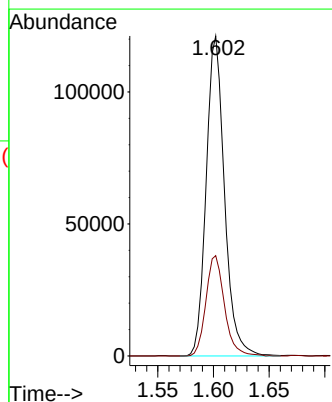
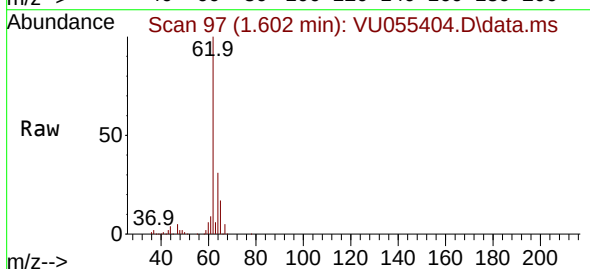
Instrument :
MSVOA_U
ClientSampleId :
BH4P4

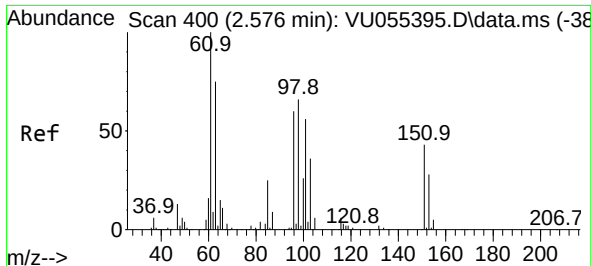
Tgt Ion: 50 Resp: 4194
Ion Ratio Lower Upper
50 100
52 26.8 22.9 42.5



#5
Vinyl chloride
Concen: 6.598 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

Tgt Ion: 62 Resp: 138648
Ion Ratio Lower Upper
62 100
64 31.4 22.3 41.5





#12

1,1-Dichloroethene

Concen: 4.820 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

BH4P4

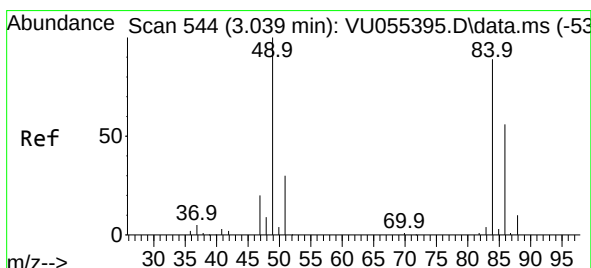
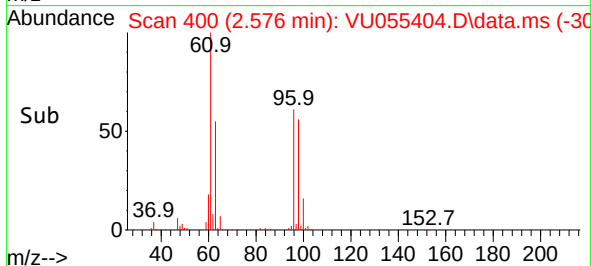
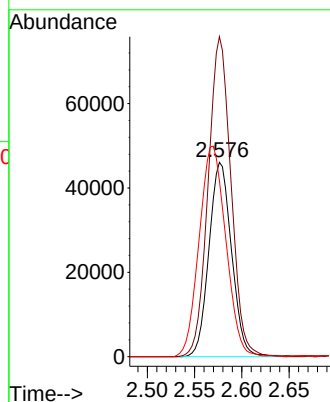
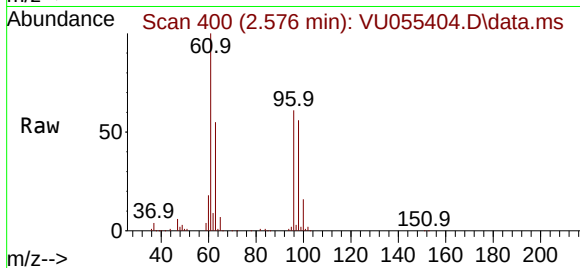
Tgt Ion: 96 Resp: 76632

Ion Ratio Lower Upper

96 100

61 164.7 114.5 212.7

63 90.6 98.3 182.5#



#16

Methylene chloride

Concen: 0.371 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

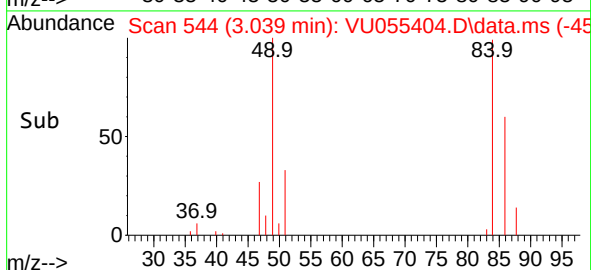
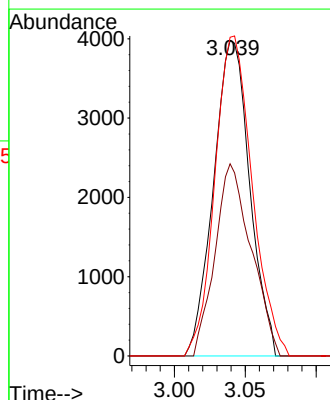
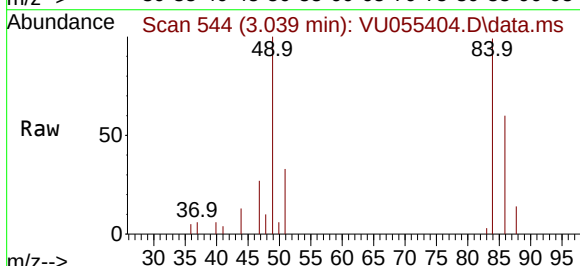
Tgt Ion: 84 Resp: 7073

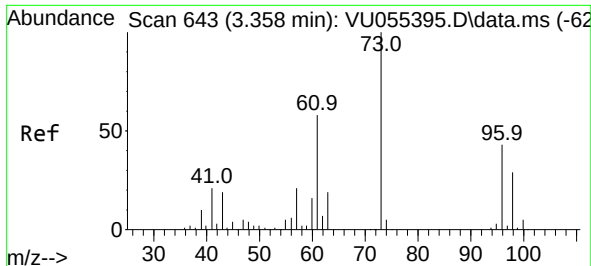
Ion Ratio Lower Upper

84 100

86 60.9 44.9 83.3

49 101.0 78.8 146.3

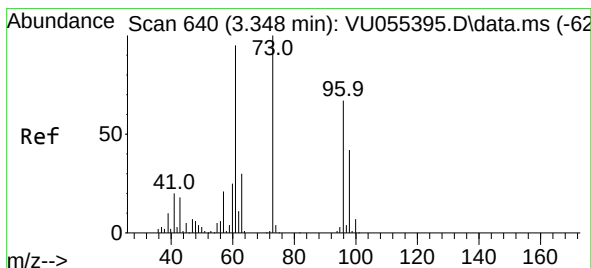
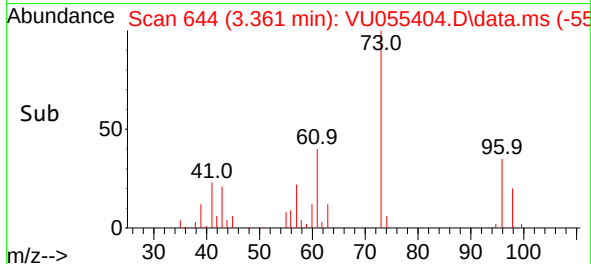
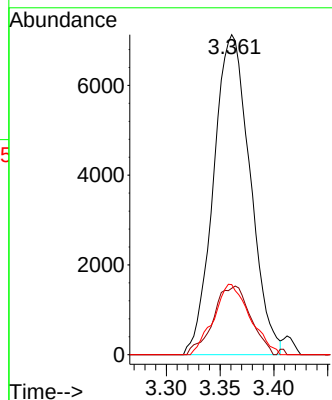
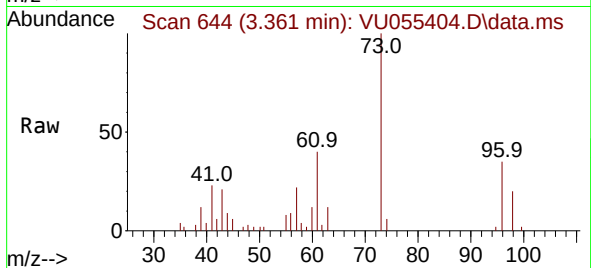




#17
Methyl tert-butyl Ether
Concen: 0.488 ug/L
RT: 3.361 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

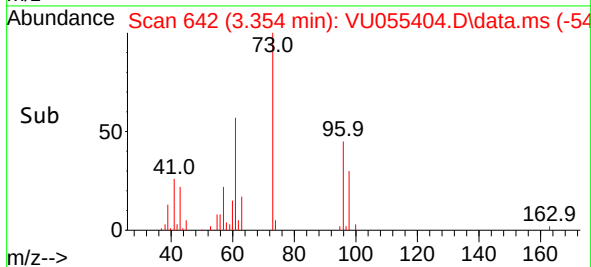
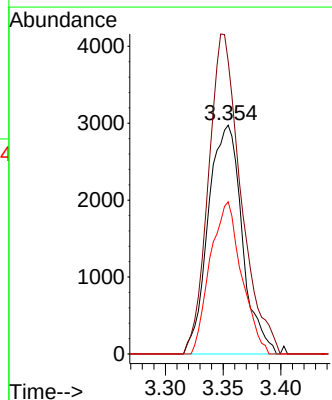
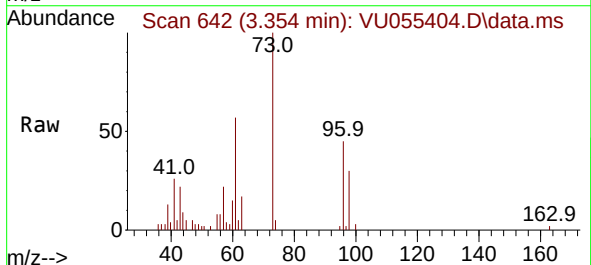
Instrument :
MSVOA_U
ClientSampleId :
BH4P4

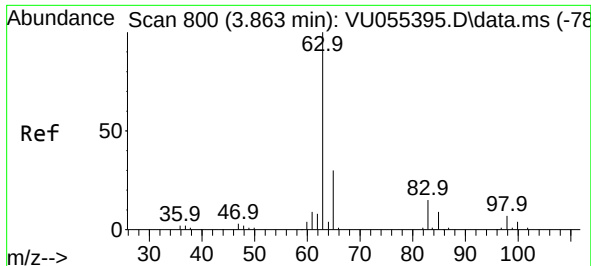
Tgt Ion: 73 Resp: 16843
Ion Ratio Lower Upper
73 100
43 21.7 14.9 22.3
57 21.8 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 0.379 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

Tgt Ion: 96 Resp: 6071
Ion Ratio Lower Upper
96 100
61 127.9 94.6 175.6
98 66.5 45.7 84.9





#19

1,1-Dichloroethane

Concen: 1.599 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

BH4P4

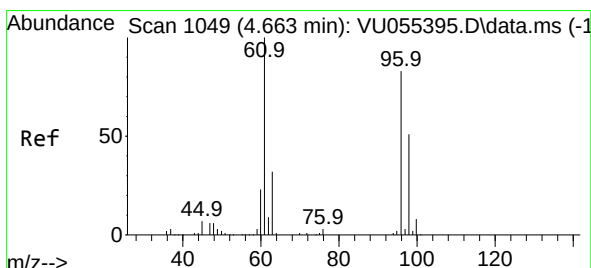
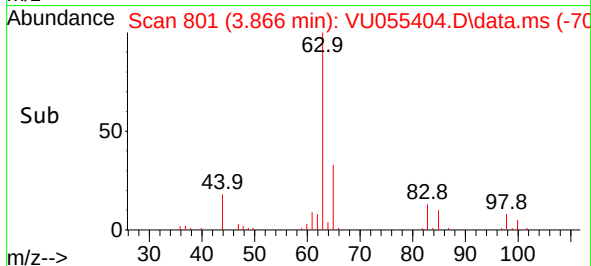
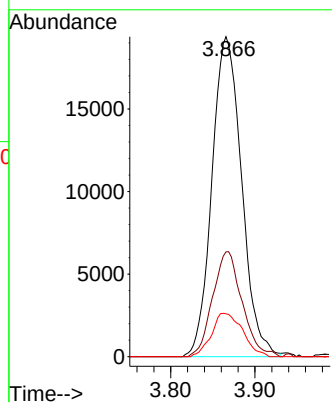
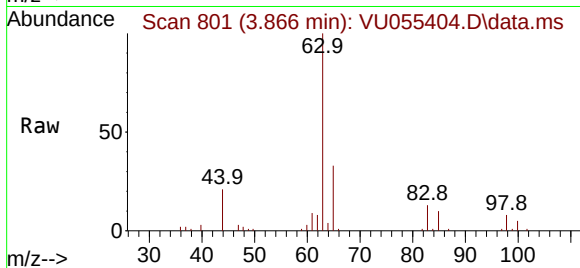
Tgt Ion: 63 Resp: 47384

Ion Ratio Lower Upper

63 100

65 32.7 22.0 41.0

83 13.4 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 74.593 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

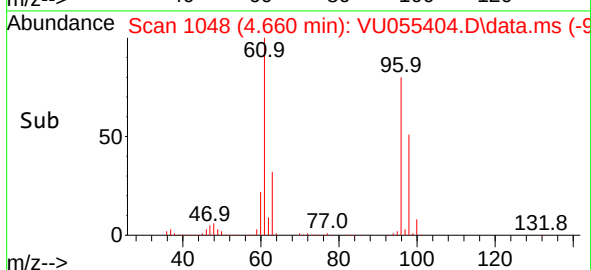
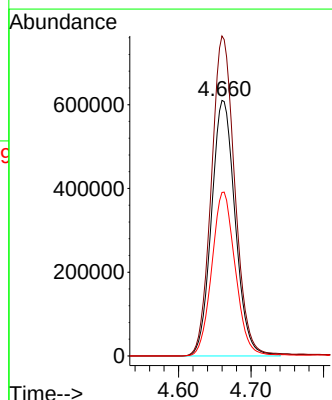
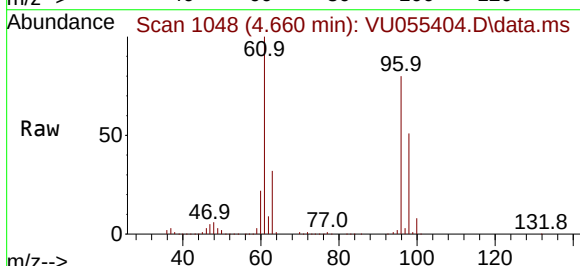
Tgt Ion: 96 Resp: 1385956

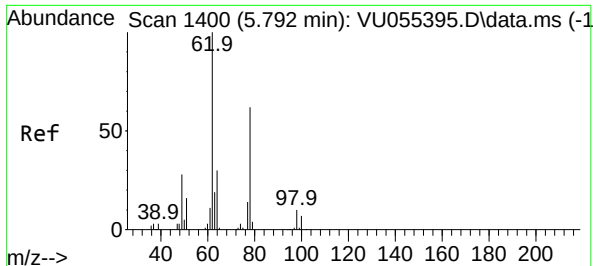
Ion Ratio Lower Upper

96 100

61 125.2 87.8 163.2

98 64.0 44.4 82.4





#27

1,2-Dichloroethane

Concen: 0.602 ug/L

RT: 5.798 min Scan# 14

Delta R.T. 0.006 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

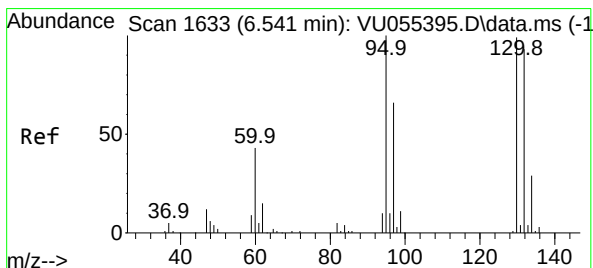
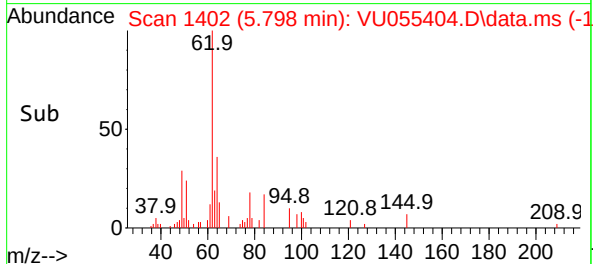
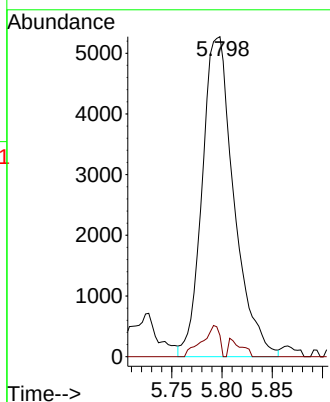
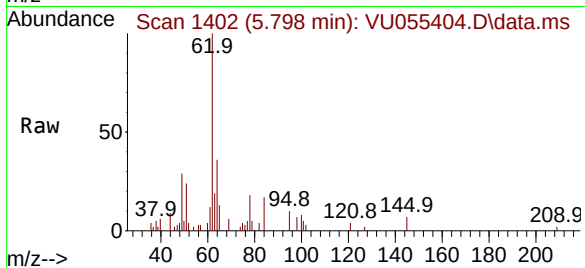
BH4P4

Tgt Ion: 62 Resp: 11582

Ion Ratio Lower Upper

62 100

98 6.7 7.0 10.4#



#34

Trichloroethene

Concen: 58.643 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.003 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Tgt Ion: 95 Resp: 1112601

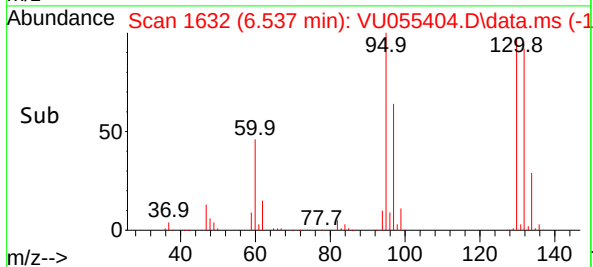
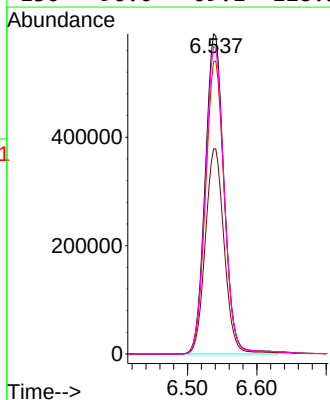
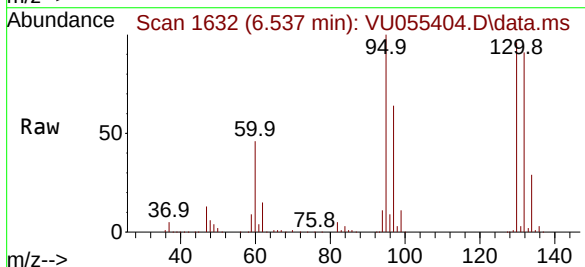
Ion Ratio Lower Upper

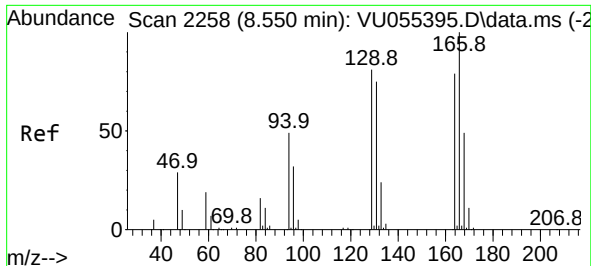
95 100

97 64.1 45.4 84.2

132 91.2 65.2 121.2

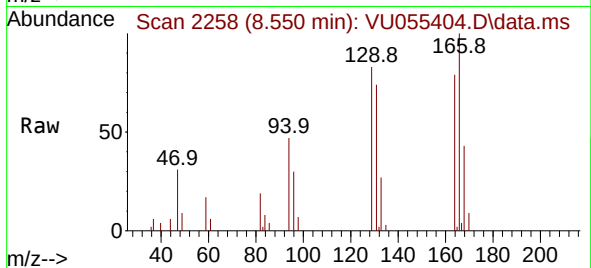
130 96.0 69.1 128.3



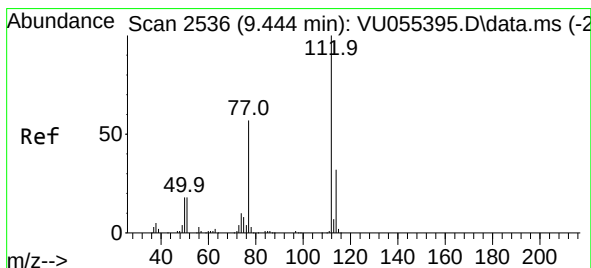
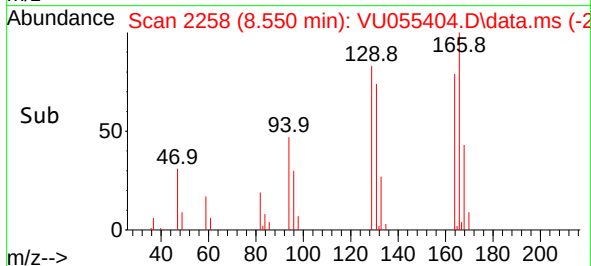
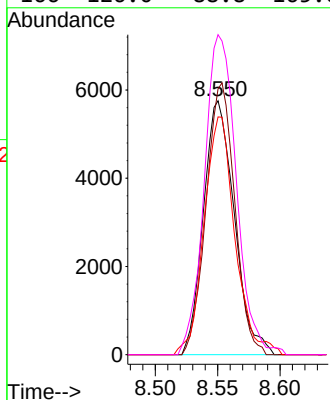


#47
Tetrachloroethene
Concen: 0.730 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

Instrument :
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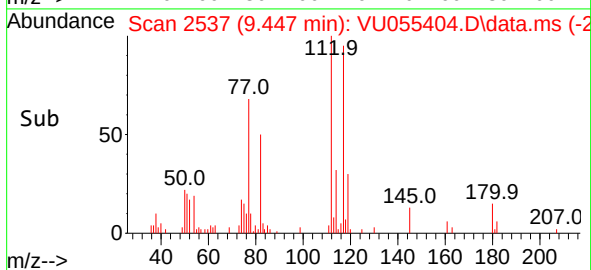
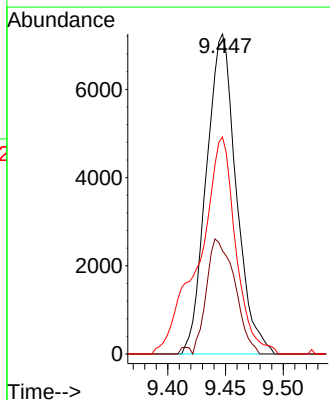
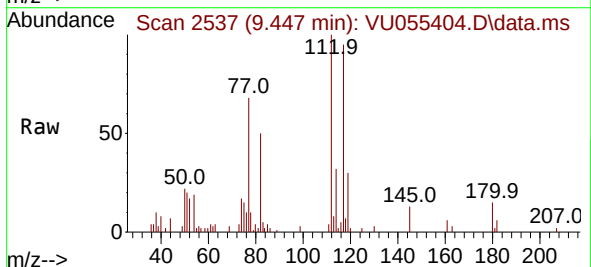


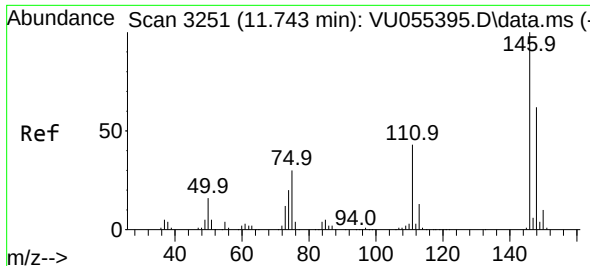
Tgt Ion:	164	Resp:	9941
Ion	Ratio	Lower	Upper
164	100		
129	104.7	67.4	125.2
131	93.7	66.4	123.2
166	126.0	88.8	165.0



#51
Chlorobenzene
Concen: 0.285 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

Tgt Ion:	112	Resp:	13063
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.0	40.8
77	77.7	46.9	70.3

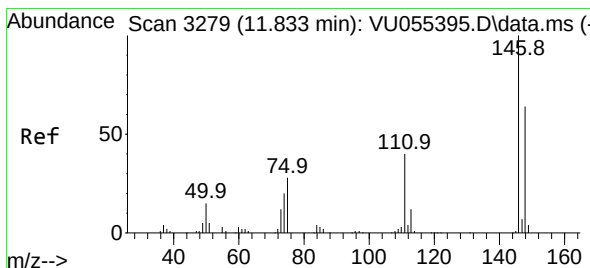
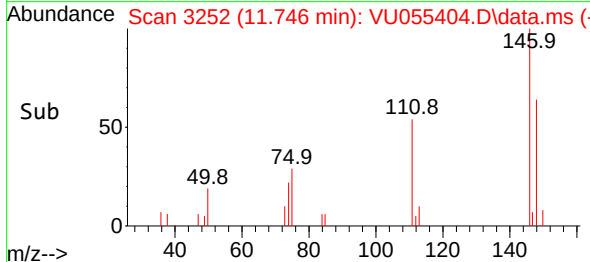
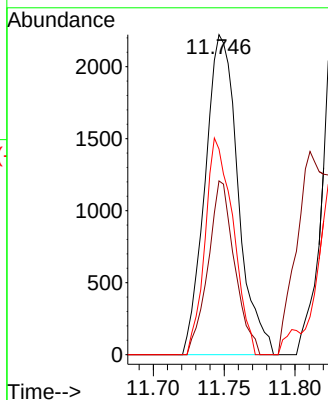
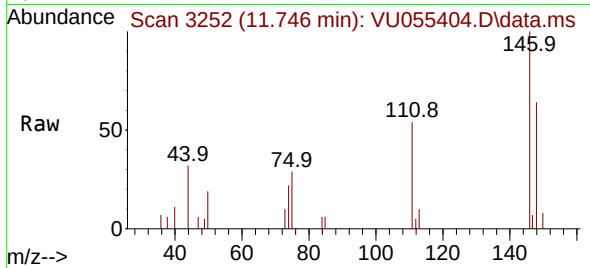




#64
1,3-Dichlorobenzene
Concen: 0.119 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

Instrument :
MSVOA_U
ClientSampleId :
BH4P4

Tgt Ion:146 Resp: 3597
Ion Ratio Lower Upper
146 100
111 54.3 28.8 53.6#
148 64.2 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 0.192 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

Tgt Ion:146 Resp: 5834
Ion Ratio Lower Upper
146 100
111 35.6 29.0 53.8
148 68.7 45.4 84.4

