

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055408.D
 Acq On : 19 Sep 2023 22:27
 Operator : MD/SY
 Sample : 04398-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P6

Quant Time: Sep 20 06:10:40 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)

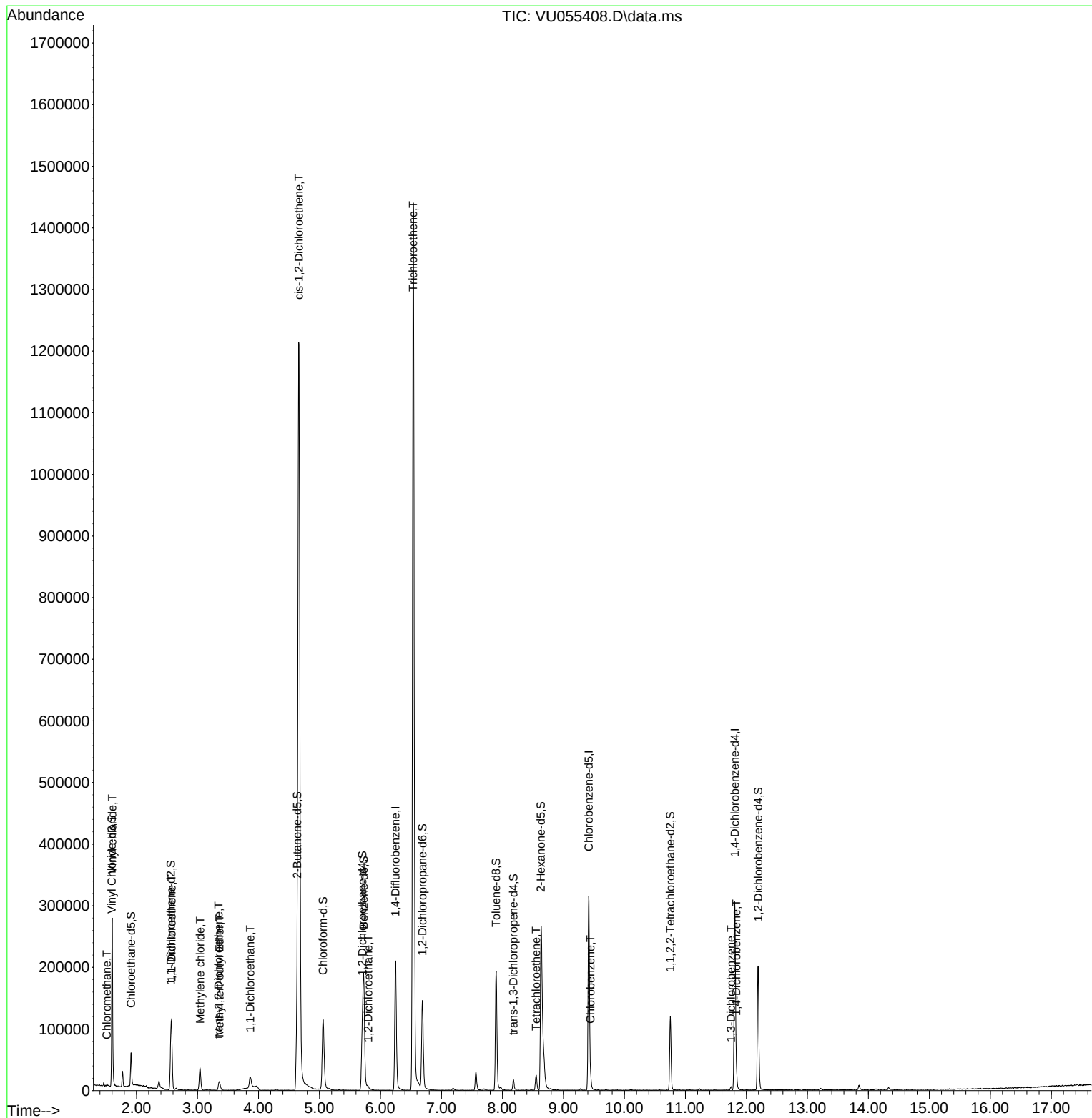
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	173048	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	174864	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	79567	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	24605	1.407	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	28.200%#
7) Chloroethane-d5	1.911	69	38571	2.502	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	50.000%#
11) 1,1-Dichloroethene-d2	2.563	65	14062	1.953	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	39.000%#
20) 2-Butanone-d5	4.634	46	168442	53.320	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.640%
24) Chloroform-d	5.058	84	105368	3.331	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.600%#
26) 1,2-Dichloroethane-d4	5.701	65	60854	3.999	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
32) Benzene-d6	5.724	84	177905	2.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	58.200%#
36) 1,2-Dichloropropane-d6	6.689	67	69422	3.799	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.000%
41) Toluene-d8	7.898	98	134791	2.418	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	48.400%#
43) trans-1,3-Dichloroprop...	8.180	79	9821	1.531	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	30.600%#
46) 2-Hexanone-d5	8.631	63	80790	41.416	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.840%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	59158	4.319	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	53986	3.362	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	67.200%#
Target Compounds						Qvalue
3) Chloromethane	1.515	50	2918	0.197	ug/L	96
5) Vinyl chloride	1.602	62	172026	10.758	ug/L	99
12) 1,1-Dichloroethene	2.576	96	22714	1.877	ug/L	91
16) Methylene chloride	3.042	84	17468	1.205	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	11717	0.446	ug/L #	91
18) trans-1,2-Dichloroethene	3.348	96	1753	0.144	ug/L	92
19) 1,1-Dichloroethane	3.866	63	19476	0.864	ug/L	93
22) cis-1,2-Dichloroethene	4.663	96	632637	44.745	ug/L	98
27) 1,2-Dichloroethane	5.801	62	3237	0.221	ug/L #	76
34) Trichloroethene	6.537	95	492144	34.569	ug/L	99
47) Tetrachloroethene	8.553	164	5820	0.570	ug/L	97
51) Chlorobenzene	9.444	112	6188	0.180	ug/L	85
64) 1,3-Dichlorobenzene	11.749	146	2514	0.115	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	8624	0.393	ug/L	91

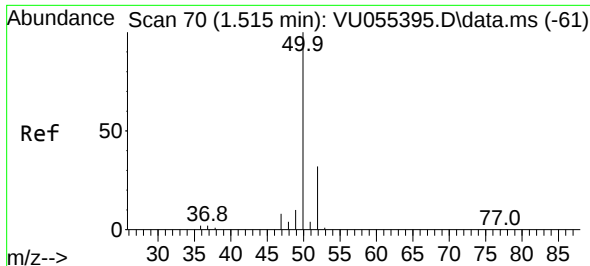
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
Data File : VU055408.D
Acq On : 19 Sep 2023 22:27
Operator : MD/SY
Sample : 04398-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BH4P6

Quant Time: Sep 20 06:10:40 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

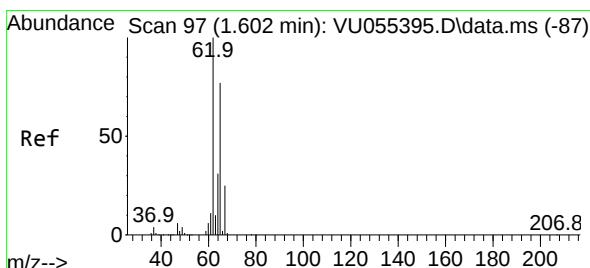
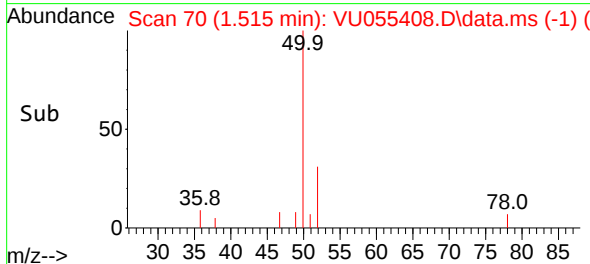
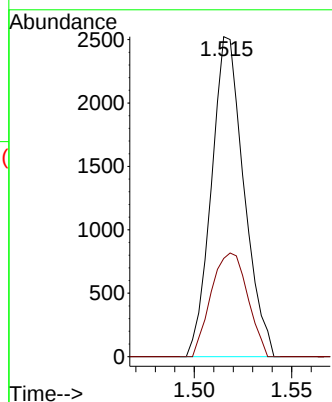
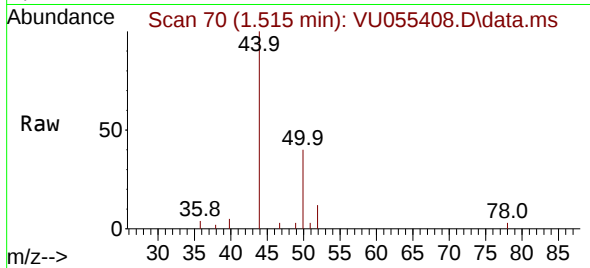




#3
Chloromethane
Concen: 0.197 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

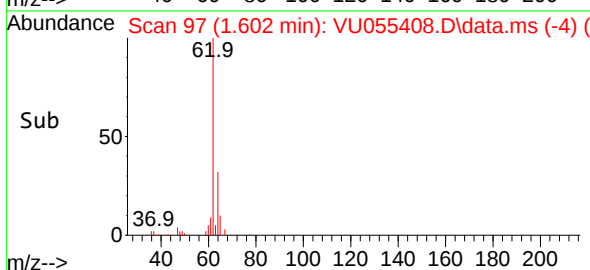
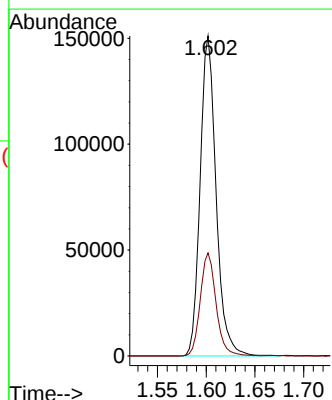
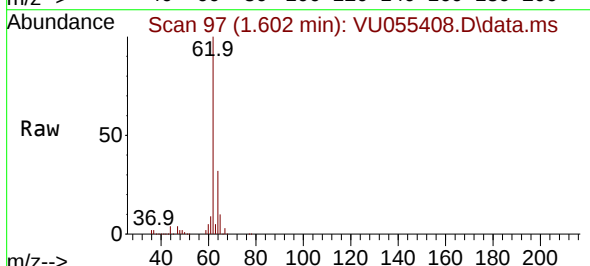
Instrument :
MSVOA_U
ClientSampleId :
BH4P6

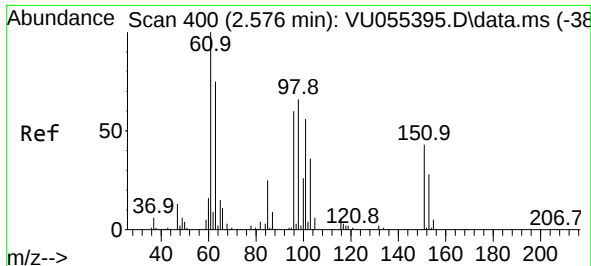
Tgt Ion: 50 Resp: 2918
Ion Ratio Lower Upper
50 100
52 30.7 22.9 42.5



#5
Vinyl chloride
Concen: 10.758 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

Tgt Ion: 62 Resp: 172026
Ion Ratio Lower Upper
62 100
64 32.2 22.3 41.5





#12

1,1-Dichloroethene

Concen: 1.877 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055408.D

Acq: 19 Sep 2023 22:27

Instrument :

MSVOA_U

ClientSampleId :

BH4P6

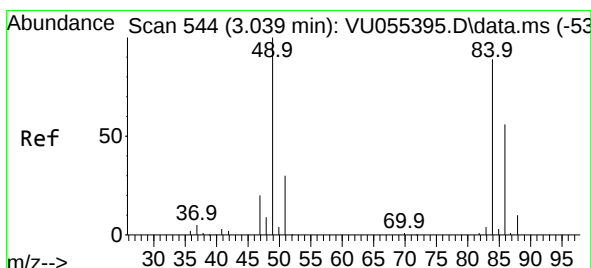
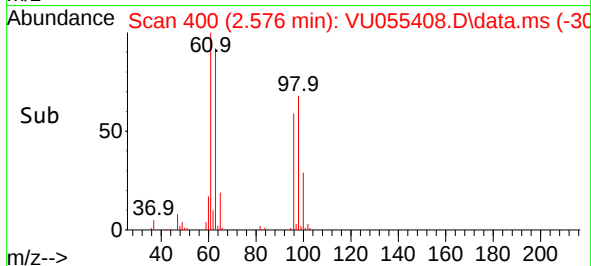
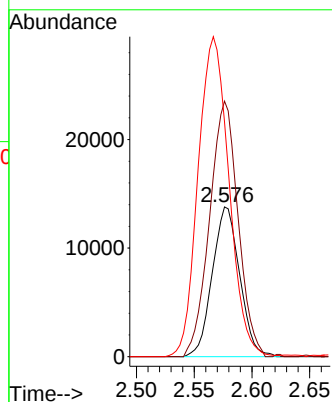
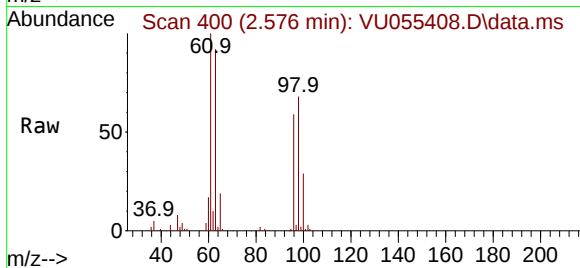
Tgt Ion: 96 Resp: 22714

Ion Ratio Lower Upper

96 100

61 170.7 114.5 212.7

63 156.8 98.3 182.5



#16

Methylene chloride

Concen: 1.205 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU055408.D

Acq: 19 Sep 2023 22:27

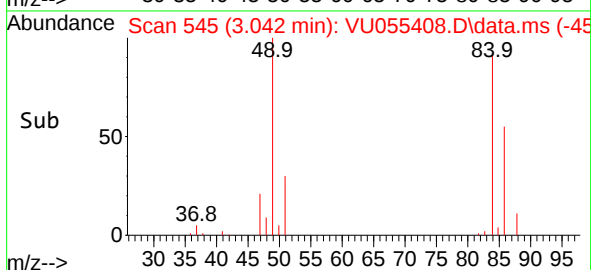
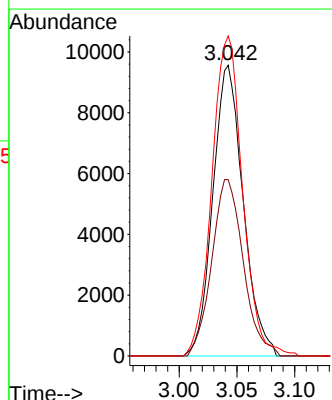
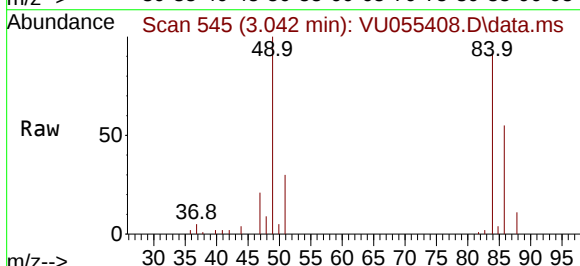
Tgt Ion: 84 Resp: 17468

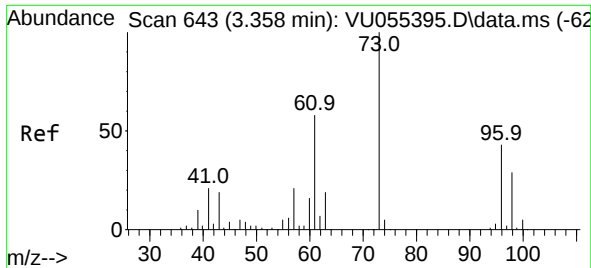
Ion Ratio Lower Upper

84 100

86 60.6 44.9 83.3

49 110.1 78.8 146.3

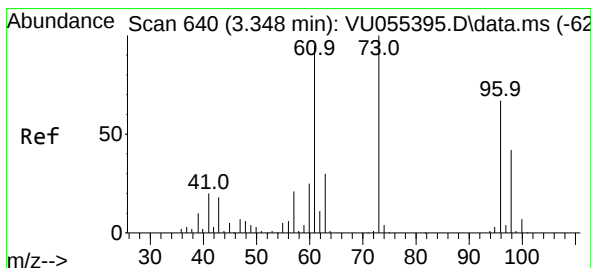
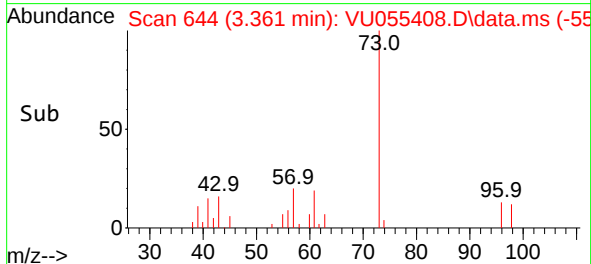
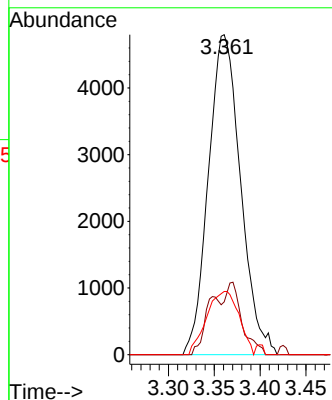
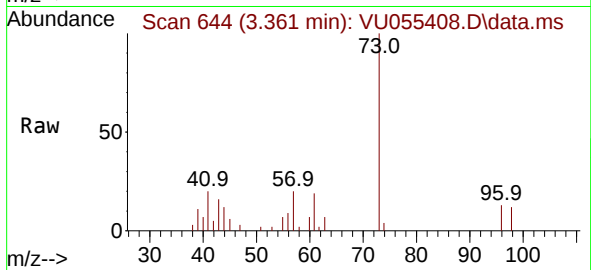




#17
Methyl tert-butyl Ether
Concen: 0.446 ug/L
RT: 3.361 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

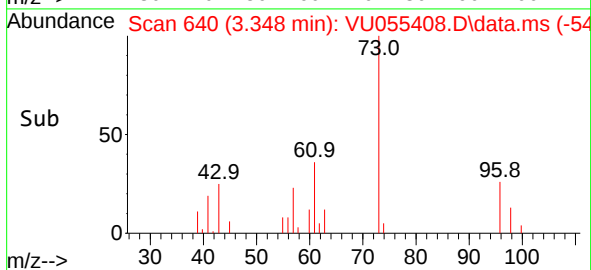
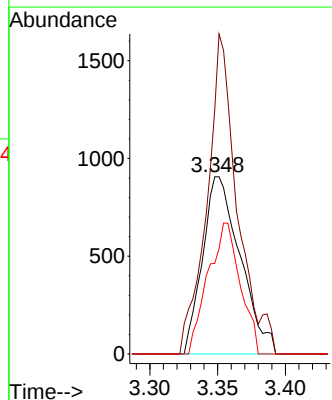
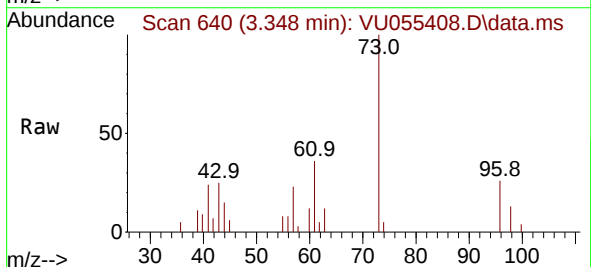
Instrument :
MSVOA_U
ClientSampleId :
BH4P6

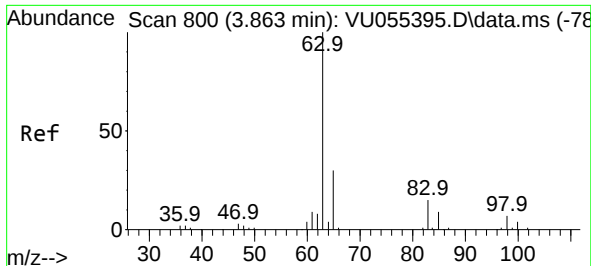
Tgt Ion: 73 Resp: 11717
Ion Ratio Lower Upper
73 100
43 12.2 14.9 22.3#
57 19.9 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 0.144 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

Tgt Ion: 96 Resp: 1753
Ion Ratio Lower Upper
96 100
61 138.1 94.6 175.6
98 51.1 45.7 84.9





#19

1,1-Dichloroethane

Concen: 0.864 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU055408.D

Acq: 19 Sep 2023 22:27

Instrument :

MSVOA_U

ClientSampleId :

BH4P6

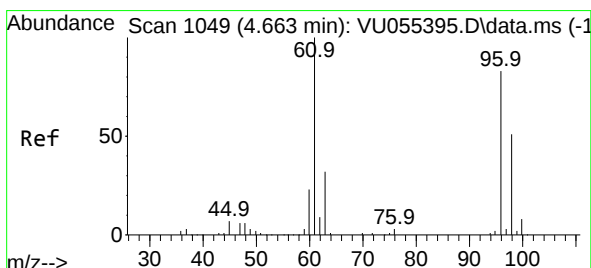
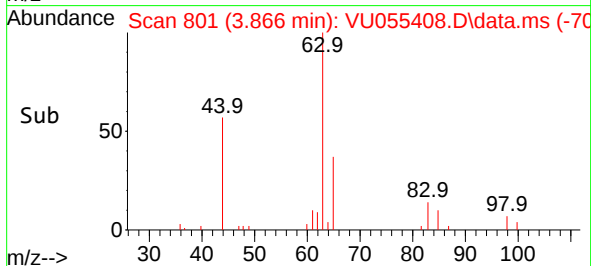
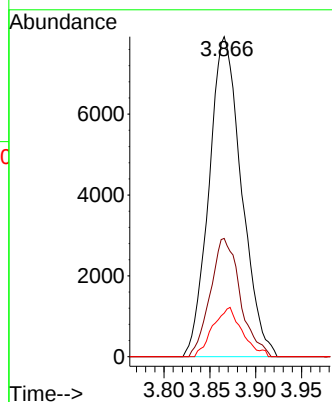
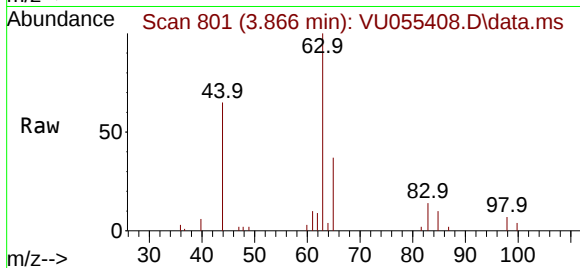
Tgt Ion: 63 Resp: 19476

Ion Ratio Lower Upper

63 100

65 36.9 22.0 41.0

83 13.6 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 44.745 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055408.D

Acq: 19 Sep 2023 22:27

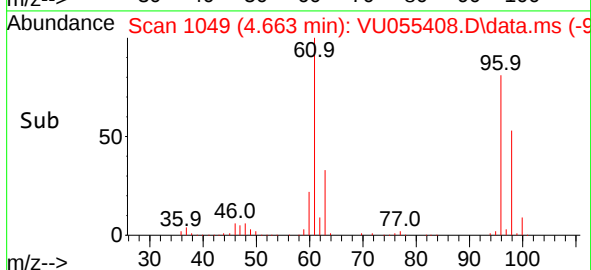
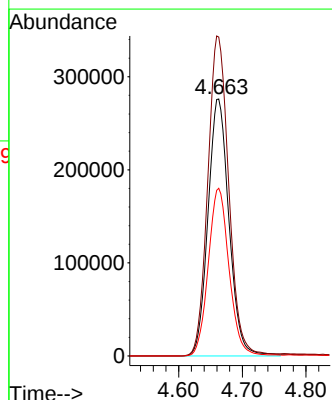
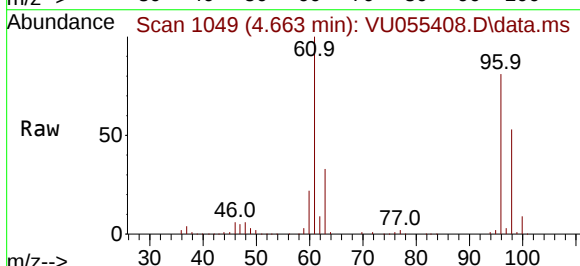
Tgt Ion: 96 Resp: 632637

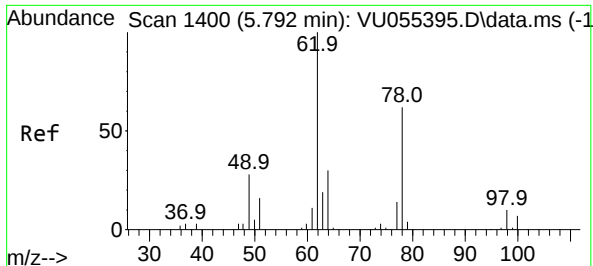
Ion Ratio Lower Upper

96 100

61 124.1 87.8 163.2

98 65.3 44.4 82.4

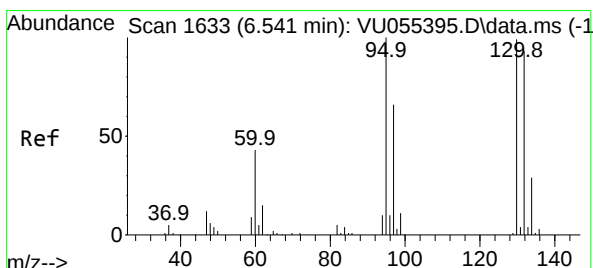
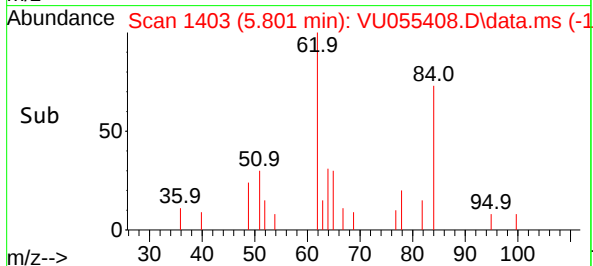
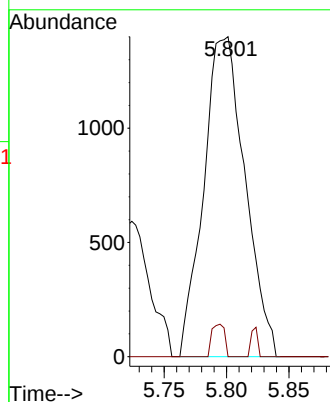
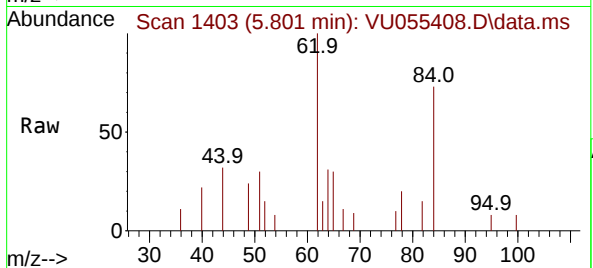




#27
1,2-Dichloroethane
Concen: 0.221 ug/L
RT: 5.801 min Scan# 1403
Delta R.T. 0.009 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

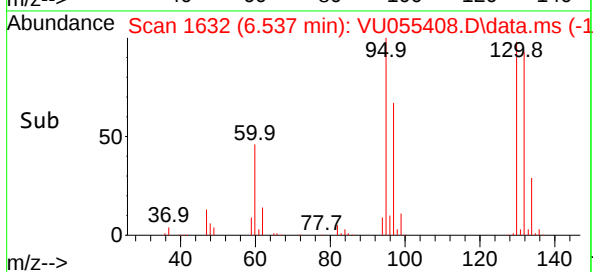
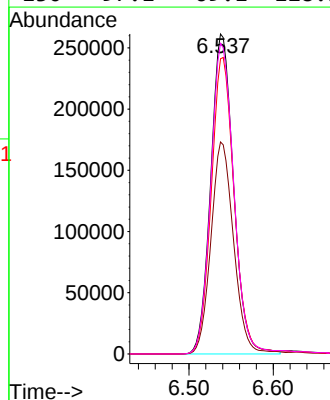
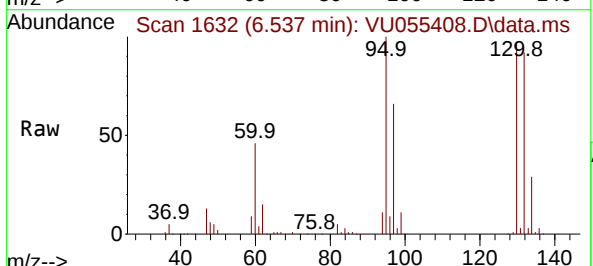
Instrument :
MSVOA_U
ClientSampleId :
BH4P6

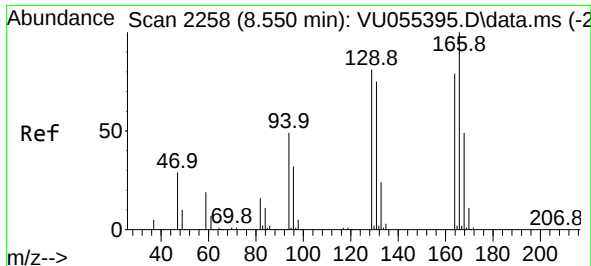
Tgt Ion: 62 Resp: 3237
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.4#



#34
Trichloroethene
Concen: 34.569 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

Tgt Ion: 95 Resp: 492144
Ion Ratio Lower Upper
95 100
97 66.2 45.4 84.2
132 92.3 65.2 121.2
130 97.1 69.1 128.3

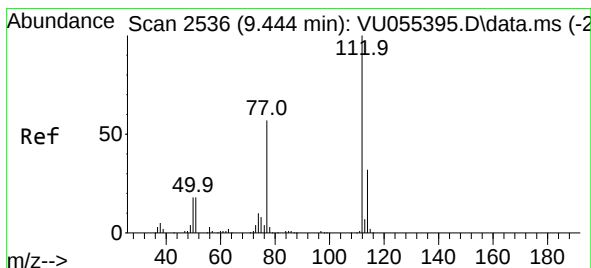
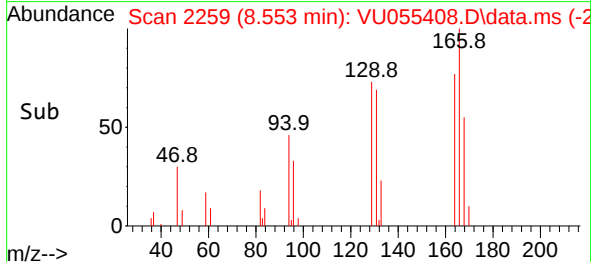
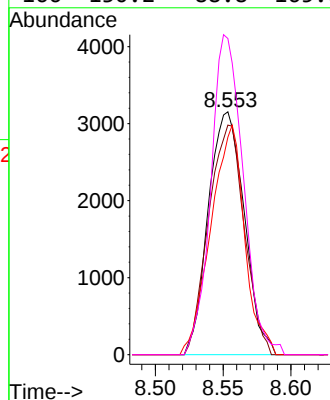
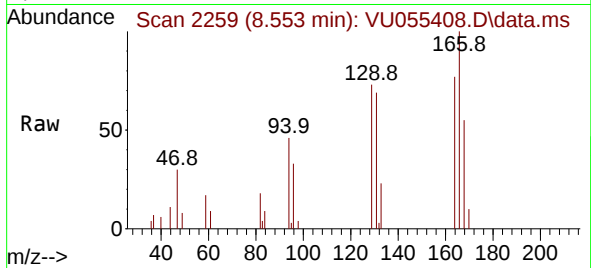




#47
Tetrachloroethene
Concen: 0.570 ug/L
RT: 8.553 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

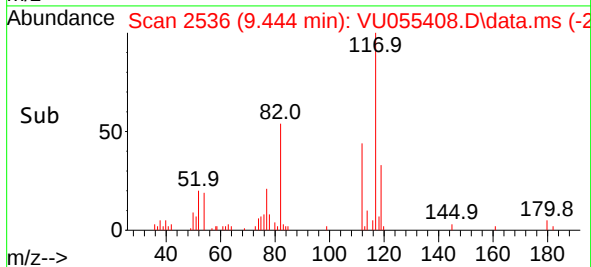
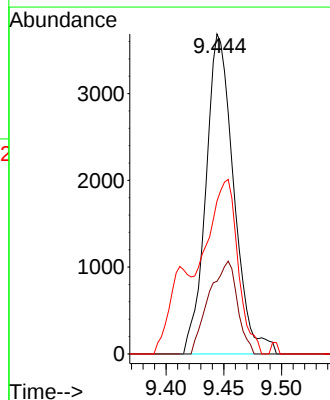
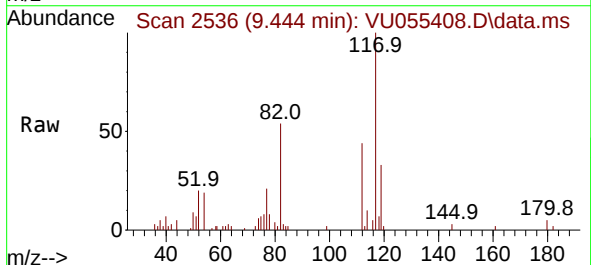
Instrument :
MSVOA_U
ClientSampleId :
BH4P6

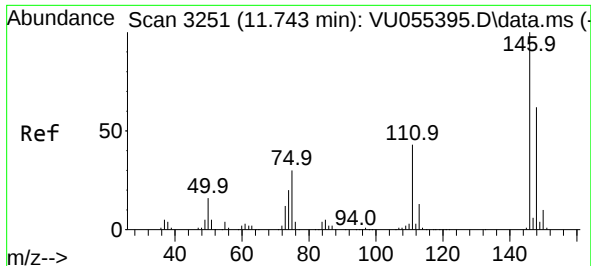
Tgt Ion:164	Resp:	5820
Ion	Ratio	Lower Upper
164	100	
129	94.6	67.4 125.2
131	89.6	66.4 123.2
166	130.2	88.8 165.0



#51
Chlorobenzene
Concen: 0.180 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

Tgt Ion:112	Resp:	6188
Ion	Ratio	Lower Upper
112	100	
114	22.7	22.0 40.8
77	47.8	46.9 70.3

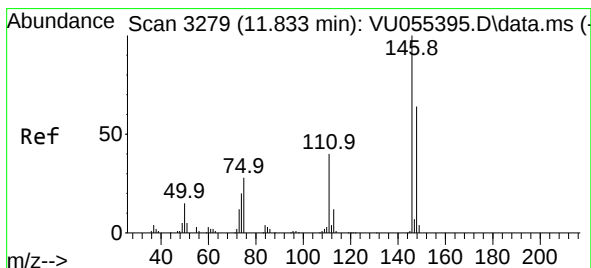
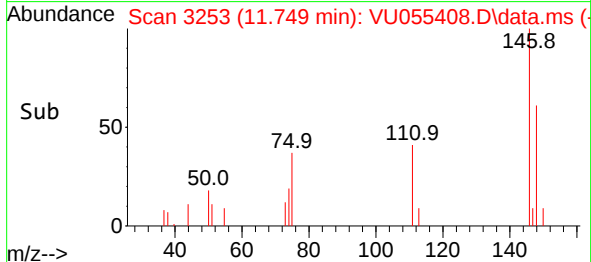
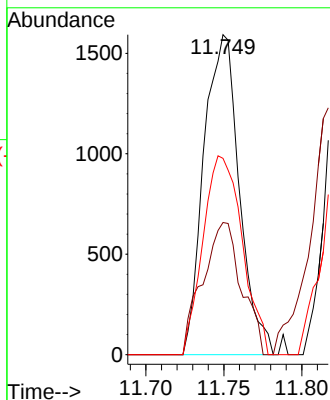
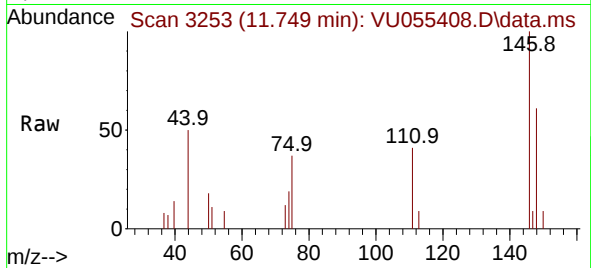




#64
1,3-Dichlorobenzene
Concen: 0.115 ug/L
RT: 11.749 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

Instrument :
MSVOA_U
ClientSampleId :
BH4P6

Tgt Ion:146 Resp: 2514
Ion Ratio Lower Upper
146 100
111 41.3 28.8 53.6
148 61.3 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 0.393 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055408.D
Acq: 19 Sep 2023 22:27

Tgt Ion:146 Resp: 8624
Ion Ratio Lower Upper
146 100
111 42.2 29.0 53.8
148 75.3 45.4 84.4

