

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092023\
 Data File : VU055418.D
 Acq On : 20 Sep 2023 12:19
 Operator : MD/SY
 Sample : 04398-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P3

Quant Time: Sep 21 00:28:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 21 00:26:15 2023
 Response via : Initial Calibration

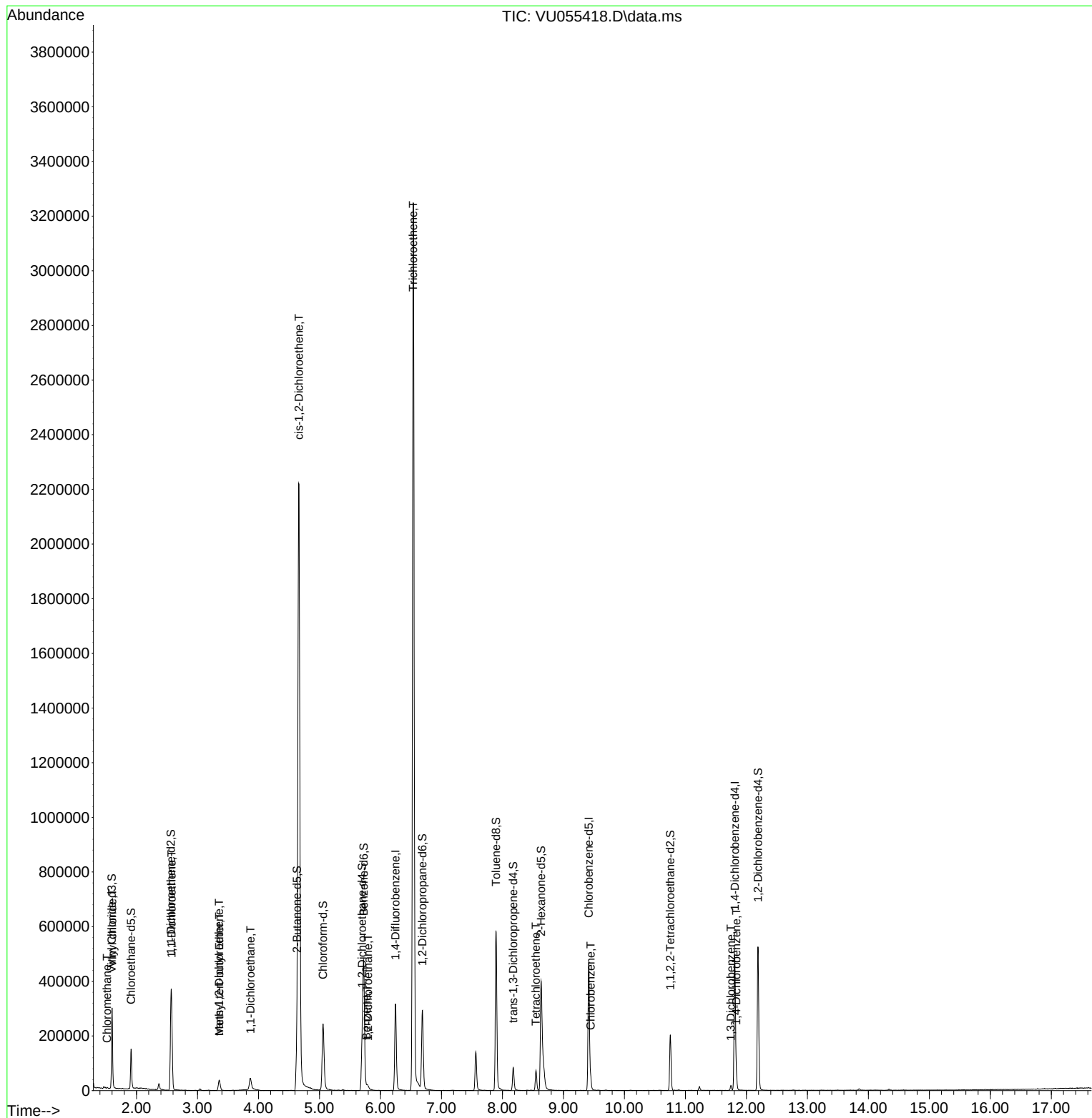
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	256612	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	263041	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	133315	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	115012	4.435	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.911	69	102598	4.489	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.563	65	49318	4.620	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.631	46	245609	52.429	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.860%
24) Chloroform-d	5.058	84	225982	4.817	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.698	65	114564	5.077	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.724	84	453958	4.934	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.688	67	137986	5.019	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.894	98	397220	4.737	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.177	79	47570	4.931	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.600%
46) 2-Hexanone-d5	8.634	63	128108	43.658	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.320%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	99219	4.816	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	137600	5.114	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	3024	0.138	ug/L	100
5) Vinyl chloride	1.602	62	105470	4.448	ug/L	99
12) 1,1-Dichloroethene	2.576	96	64606	3.601	ug/L	79
17) Methyl tert-butyl Ether	3.357	73	25901	0.665	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	7322	0.405	ug/L	83
19) 1,1-Dichloroethane	3.869	63	47103	1.408	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	1163352	55.487	ug/L	99
27) 1,2-Dichloroethane	5.795	62	8300	0.382	ug/L #	76
33) Benzene	5.775	78	9589	0.127	ug/L	100
34) Trichloroethene	6.537	95	1136972	53.092	ug/L	98
47) Tetrachloroethene	8.550	164	15988	1.041	ug/L	93
51) Chlorobenzene	9.447	112	18409	0.356	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	6688	0.182	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	17634	0.480	ug/L	96

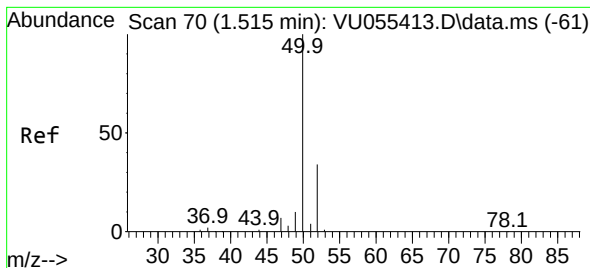
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.138 ug/L

RT: 1.518 min Scan# 70

Delta R.T. 0.003 min

Lab File: VU055418.D

Acq: 20 Sep 2023 12:19

Instrument :

MSVOA_U

ClientSampleId :

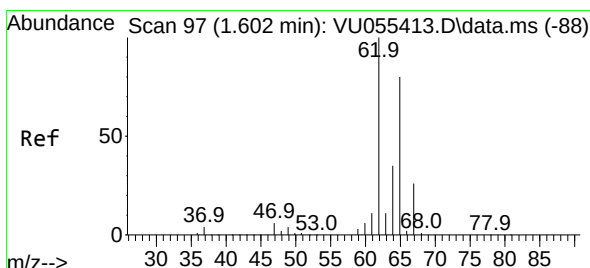
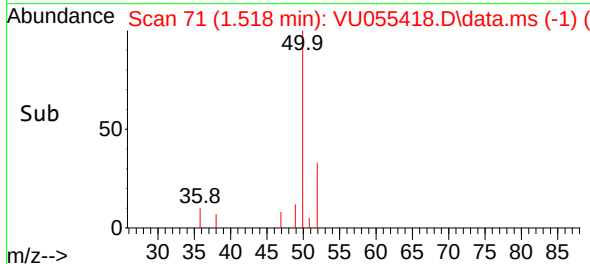
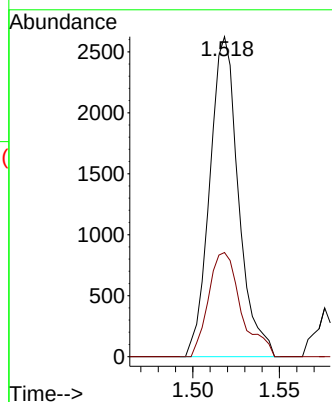
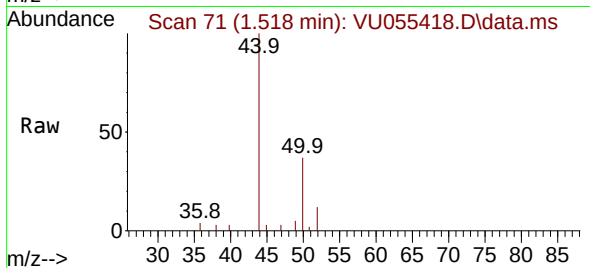
BH4P3

Tgt Ion: 50 Resp: 3024

Ion Ratio Lower Upper

50 100

52 32.5 22.9 42.5



#5

Vinyl chloride

Concen: 4.448 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU055418.D

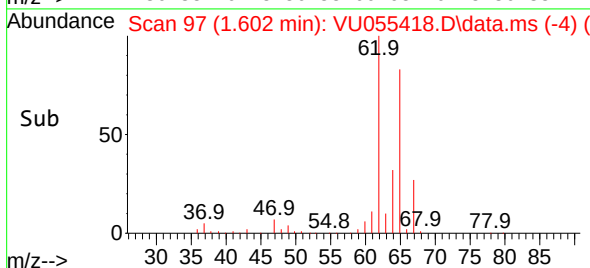
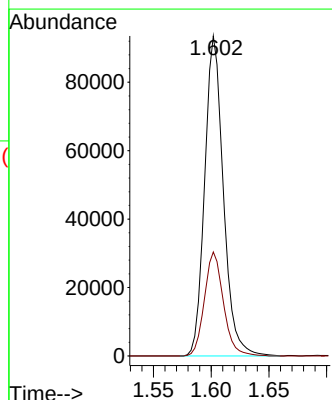
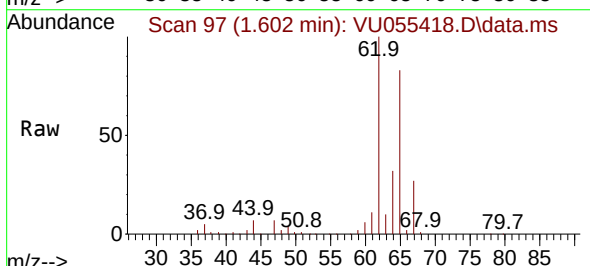
Acq: 20 Sep 2023 12:19

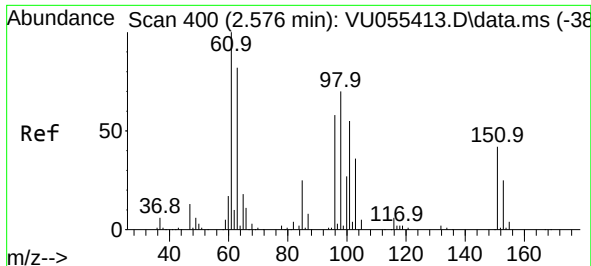
Tgt Ion: 62 Resp: 105470

Ion Ratio Lower Upper

62 100

64 32.5 22.3 41.5



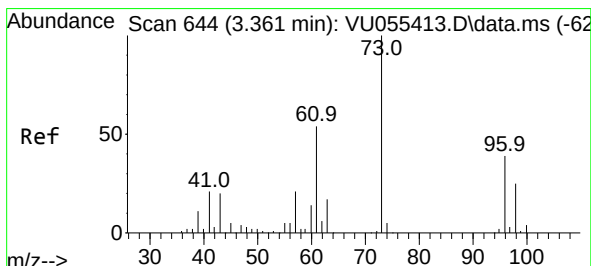
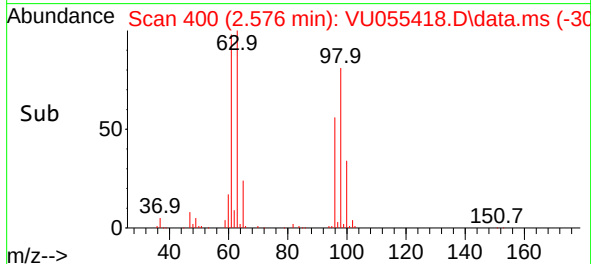
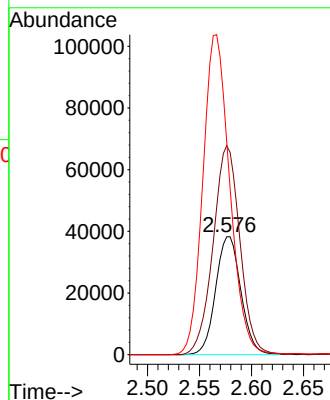
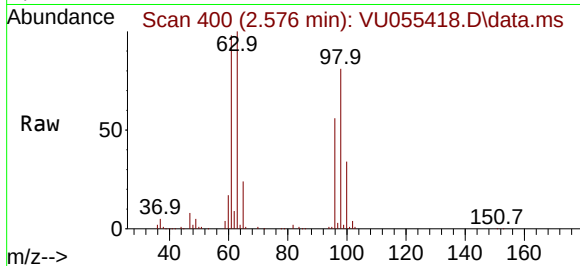


#12
 1,1-Dichloroethene
 Concen: 3.601 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055418.D
 Acq: 20 Sep 2023 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P3

Tgt Ion: 96 Resp: 64606

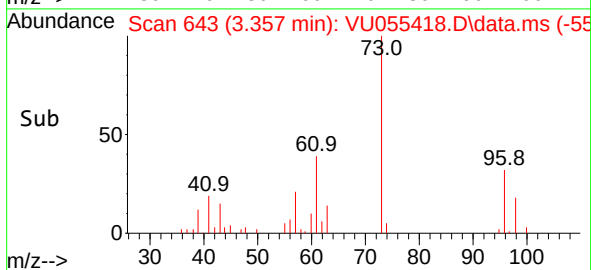
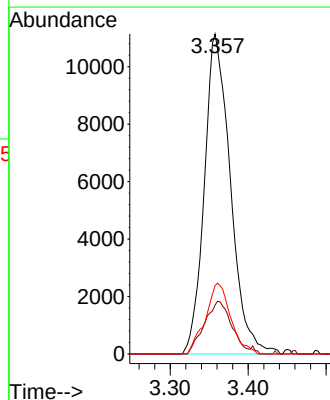
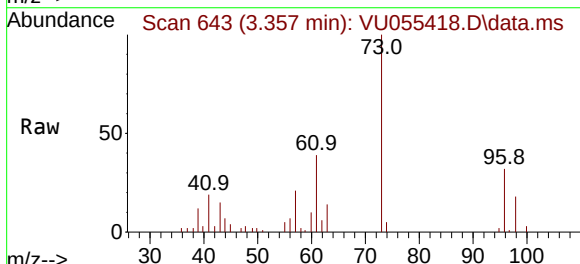
Ion	Ratio	Lower	Upper
96	100		
61	177.2	114.5	212.7
63	180.1	98.3	182.5

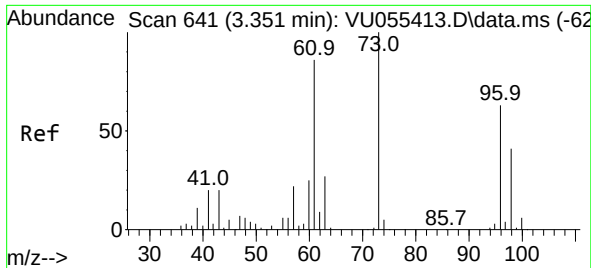


#17
 Methyl tert-butyl Ether
 Concen: 0.665 ug/L
 RT: 3.357 min Scan# 643
 Delta R.T. -0.003 min
 Lab File: VU055418.D
 Acq: 20 Sep 2023 12:19

Tgt Ion: 73 Resp: 25901

Ion	Ratio	Lower	Upper
73	100		
43	17.2	14.9	22.3
57	21.4	17.3	25.9

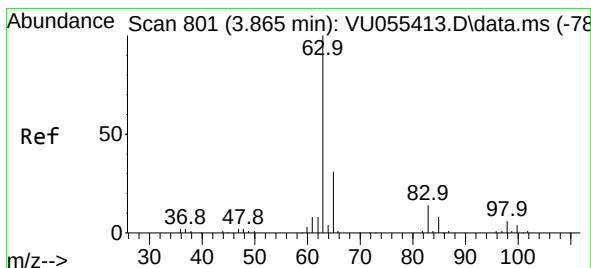
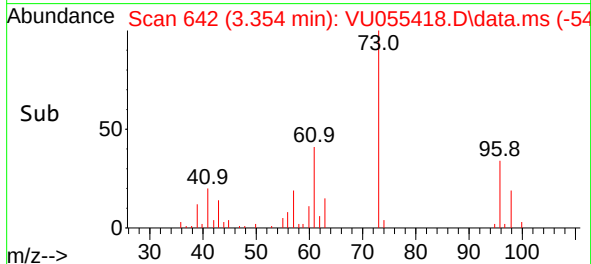
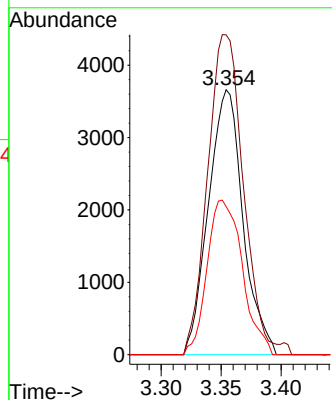
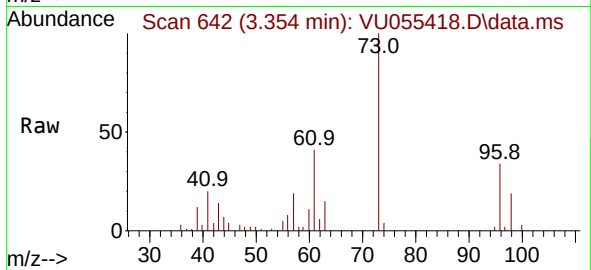




#18
trans-1,2-Dichloroethene
Concen: 0.405 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055418.D
Acq: 20 Sep 2023 12:19

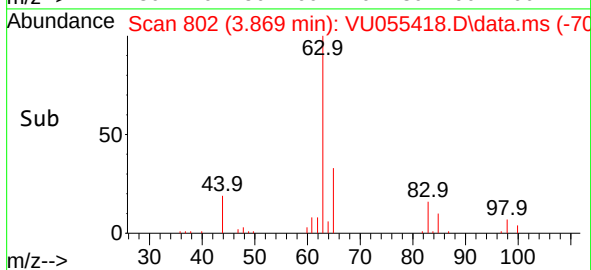
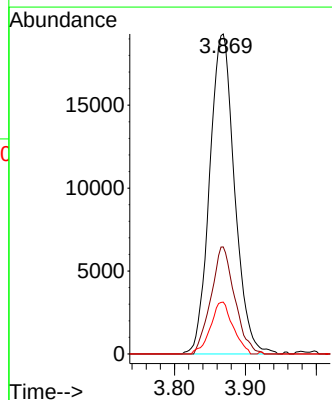
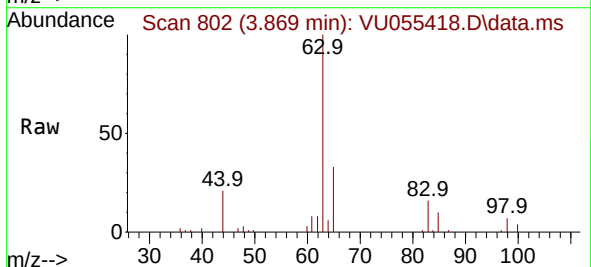
Instrument :
MSVOA_U
ClientSampleId :
BH4P3

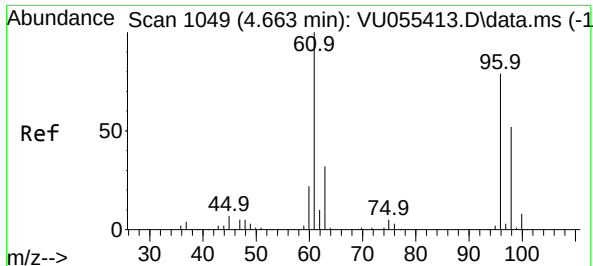
Tgt Ion: 96 Resp: 7322
Ion Ratio Lower Upper
96 100
61 114.2 94.6 175.6
98 52.9 45.7 84.9



#19
1,1-Dichloroethane
Concen: 1.408 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055418.D
Acq: 20 Sep 2023 12:19

Tgt Ion: 63 Resp: 47103
Ion Ratio Lower Upper
63 100
65 33.4 22.0 41.0
83 16.2 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 55.487 ug/L

RT: 4.663 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU055418.D

Acq: 20 Sep 2023 12:19

Instrument :

MSVOA_U

ClientSampleId :

BH4P3

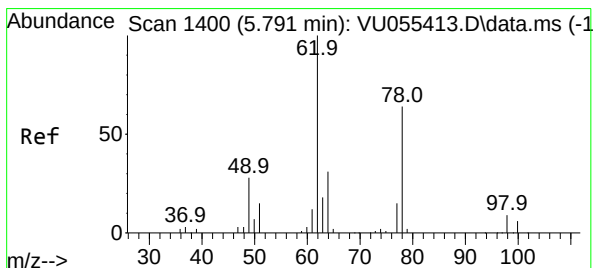
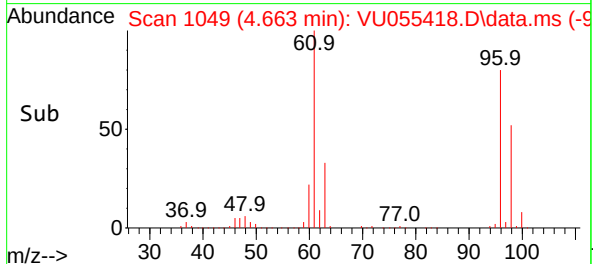
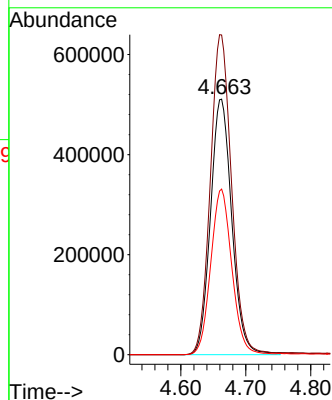
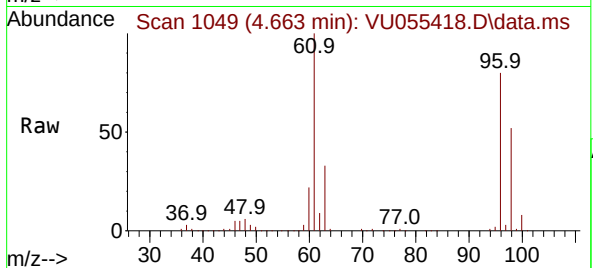
Tgt Ion: 96 Resp: 1163352

Ion Ratio Lower Upper

96 100

61 125.1 87.8 163.2

98 64.8 44.4 82.4



#27

1,2-Dichloroethane

Concen: 0.382 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU055418.D

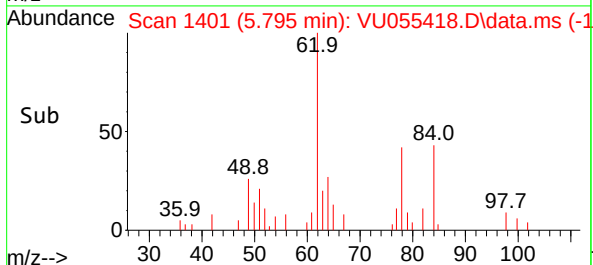
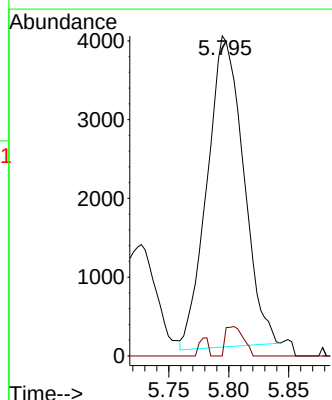
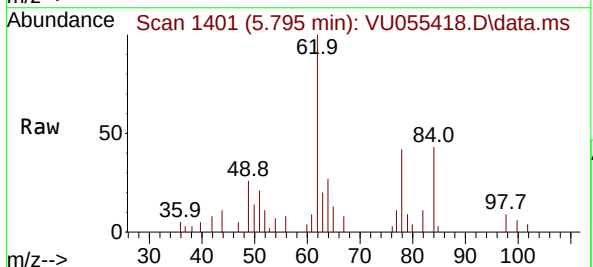
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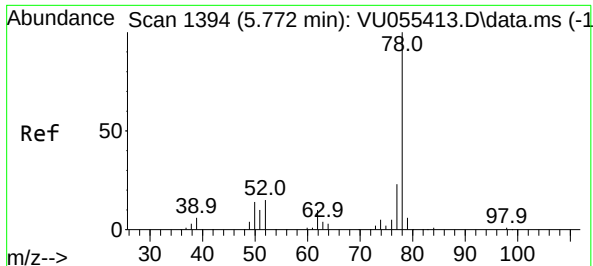
Tgt Ion: 62 Resp: 8300

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#

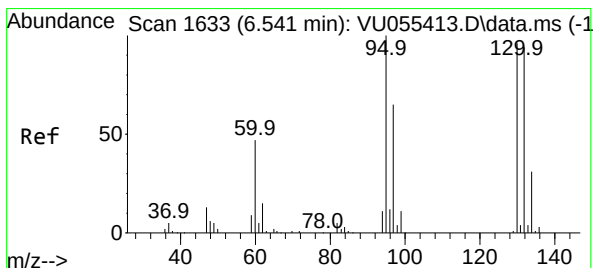
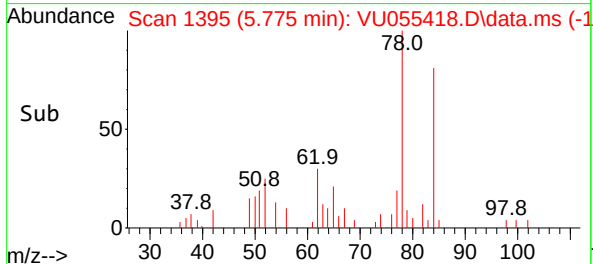
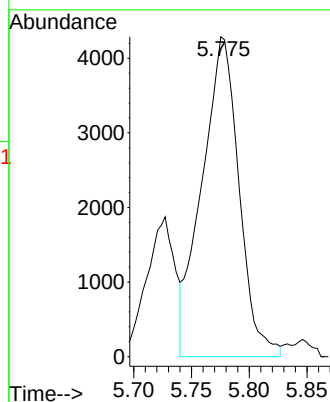
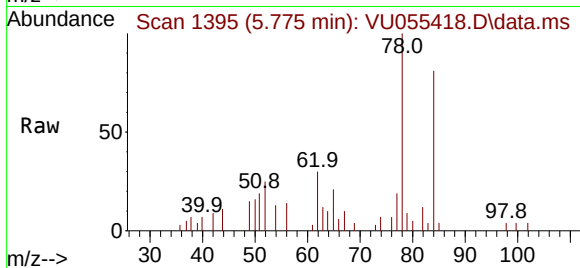




#33
Benzene
Concen: 0.127 ug/L
RT: 5.775 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055418.D
Acq: 20 Sep 2023 12:19

Instrument :
MSVOA_U
ClientSampleId :
BH4P3

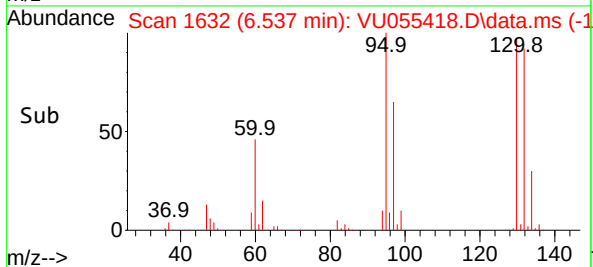
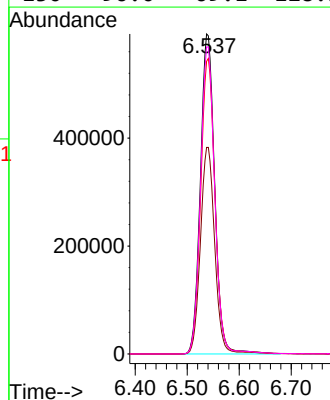
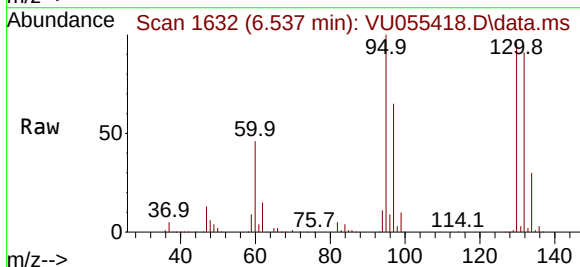
Tgt Ion: 78 Resp: 9589

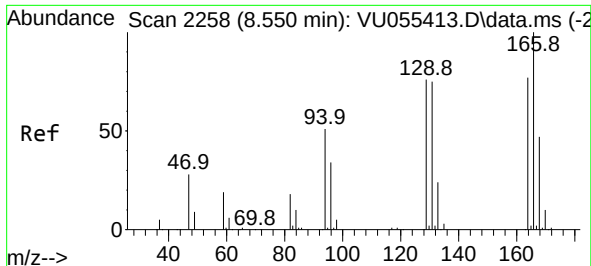


#34
Trichloroethene
Concen: 53.092 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055418.D
Acq: 20 Sep 2023 12:19

Tgt Ion: 95 Resp: 1136972

Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.4	84.2
132	91.5	65.2	121.2
130	96.0	69.1	128.3





#47

Tetrachloroethene

Concen: 1.041 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055418.D

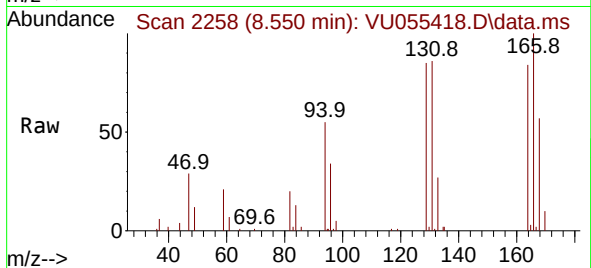
Acq: 20 Sep 2023 12:19

Instrument :

MSVOA_U

ClientSampleId :

BH4P3



Tgt Ion:164 Resp: 15988

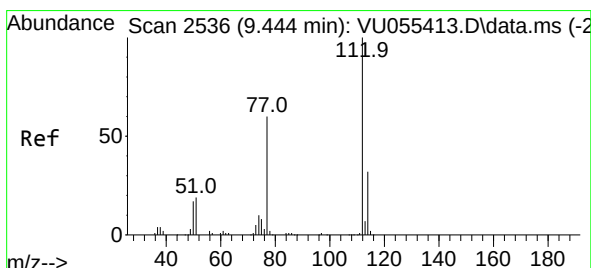
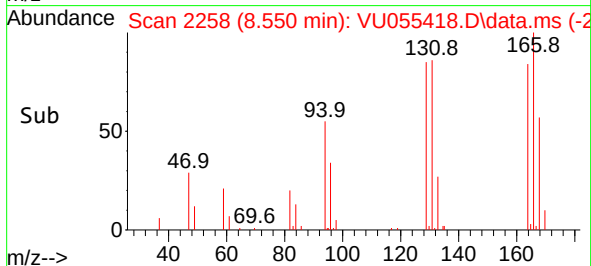
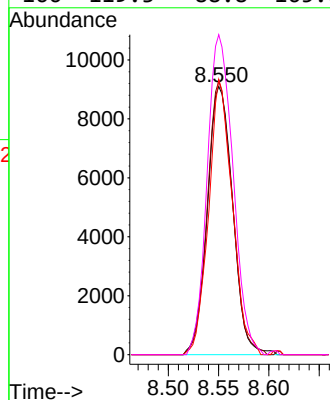
Ion Ratio Lower Upper

164 100

129 102.0 67.4 125.2

131 102.7 66.4 123.2

166 119.3 88.8 165.0



#51

Chlorobenzene

Concen: 0.356 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. 0.003 min

Lab File: VU055418.D

Acq: 20 Sep 2023 12:19

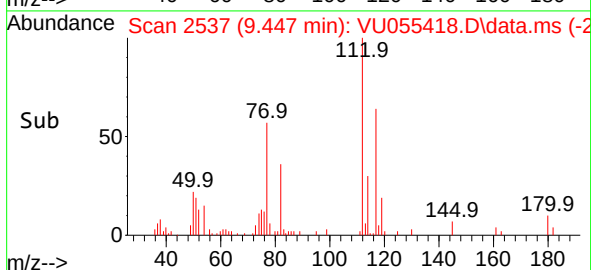
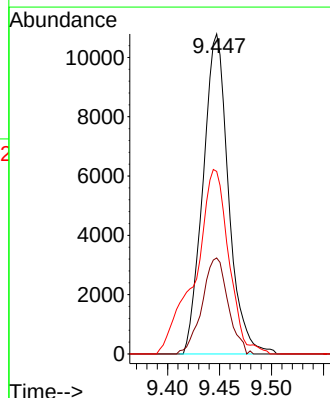
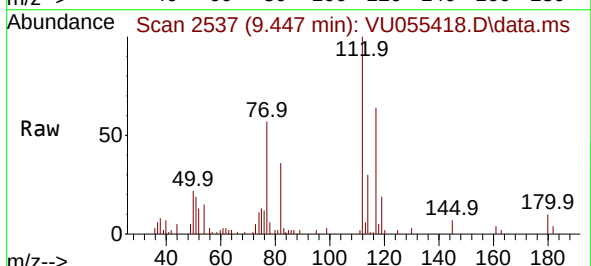
Tgt Ion:112 Resp: 18409

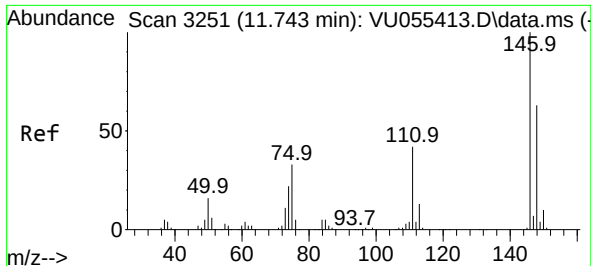
Ion Ratio Lower Upper

112 100

114 30.0 22.0 40.8

77 57.1 46.9 70.3

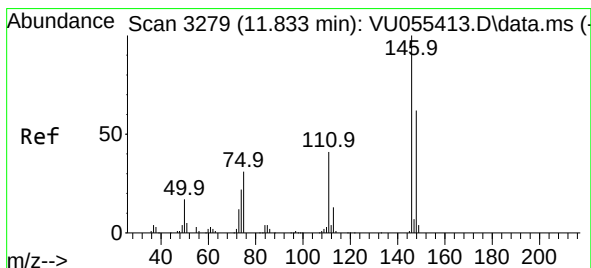
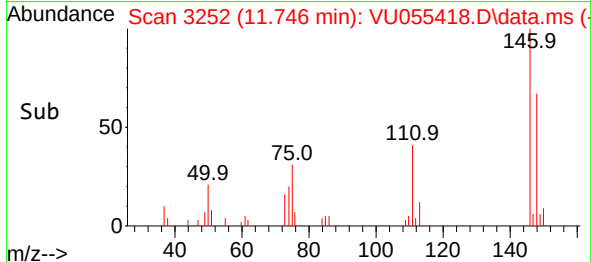
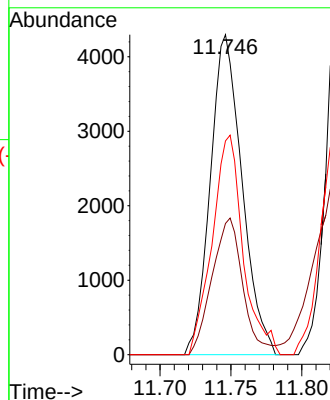
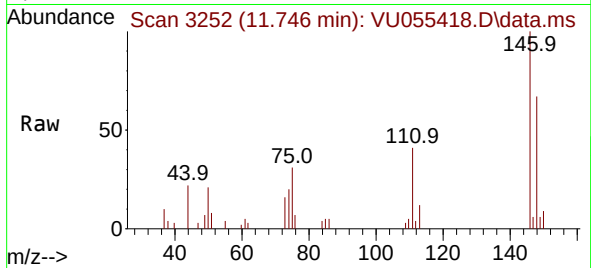




#64
1,3-Dichlorobenzene
Concen: 0.182 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055418.D
Acq: 20 Sep 2023 12:19

Instrument :
MSVOA_U
ClientSampleId :
BH4P3

Tgt Ion:146 Resp: 6688
Ion Ratio Lower Upper
146 100
111 41.0 28.8 53.6
148 66.8 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 0.480 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055418.D
Acq: 20 Sep 2023 12:19

Tgt Ion:146 Resp: 17634
Ion Ratio Lower Upper
146 100
111 37.6 29.0 53.8
148 63.3 45.4 84.4

