

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055358.D
 Acq On : 15 Sep 2023 23:05
 Operator : MD/SY
 Sample : 04380-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4L3

Quant Time: Sep 16 00:46:59 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)

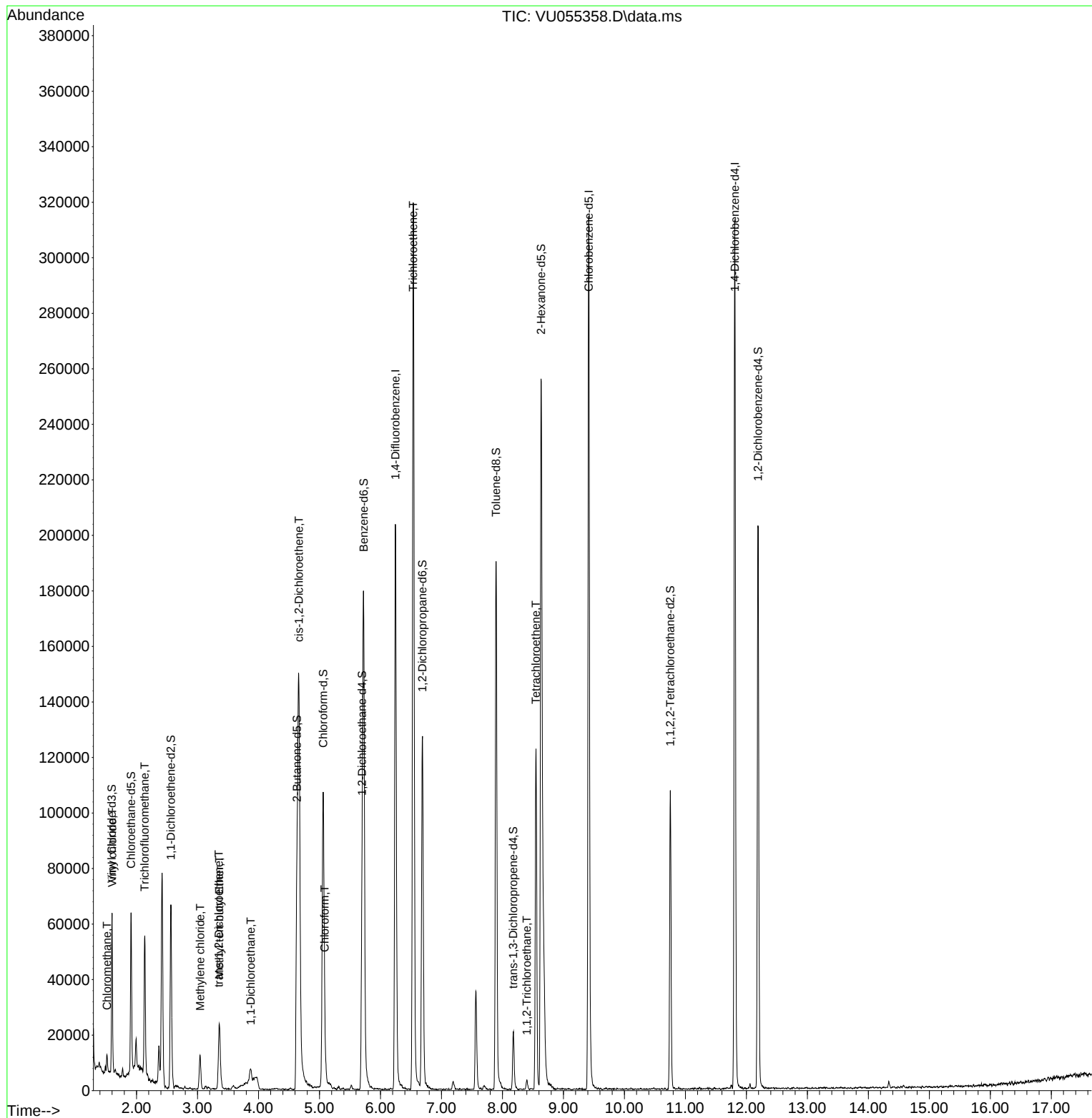
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	163516	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	172180	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	77764	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	22540	2.398	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	48.000%
7) Chloroethane-d5	1.911	69	40818	3.848	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.563	65	11823	3.478	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.600%
20) 2-Butanone-d5	4.631	46	152305	58.603	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.200%
24) Chloroform-d	5.062	84	97314	4.636	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.698	65	51958	4.906	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.724	84	164592	4.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.689	67	62416	5.075	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.898	98	132212	4.249	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.177	79	12932	2.963	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.200%
46) 2-Hexanone-d5	8.634	63	80000	50.389	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.780%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	53437	4.997	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	51431	5.136	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%
Target Compounds						
3) Chloromethane	1.515	50	4691	0.312	ug/L	84
5) Vinyl chloride	1.602	62	17942	1.107	ug/L	99
9) Trichlorofluoromethane	2.136	101	30741	1.185	ug/L	99
16) Methylene chloride	3.042	84	5119	0.299	ug/L	95
17) Methyl tert-butyl Ether	3.358	73	21687	0.787	ug/L	96
18) trans-1,2-Dichloroethene	3.351	96	1908	0.151	ug/L	97
19) 1,1-Dichloroethane	3.872	63	5394	0.219	ug/L	92
22) cis-1,2-Dichloroethene	4.663	96	57783	3.903	ug/L	99
25) Chloroform	5.087	83	10771	0.405	ug/L	92
34) Trichloroethene	6.537	95	110229	6.796	ug/L	97
45) 1,1,2-Trichloroethane	8.402	97	1334	0.129	ug/L	88
47) Tetrachloroethene	8.550	164	24893	2.239	ug/L	94

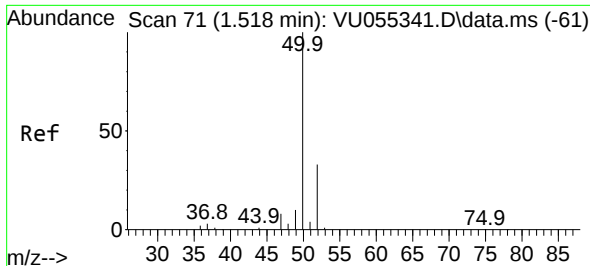
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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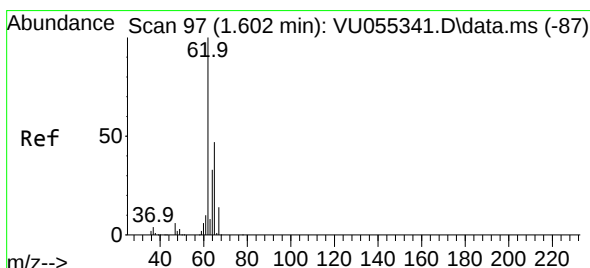
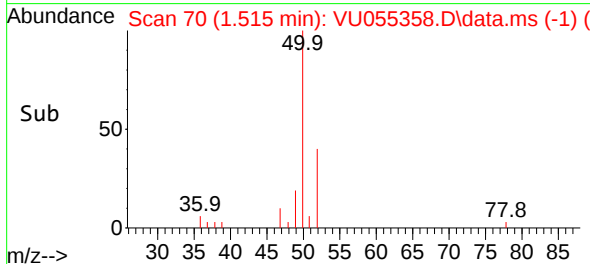
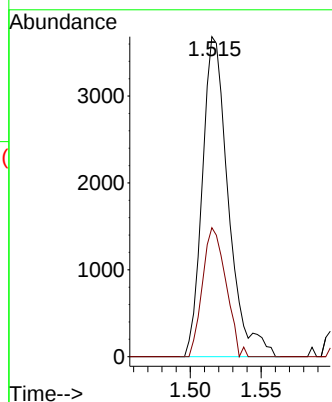
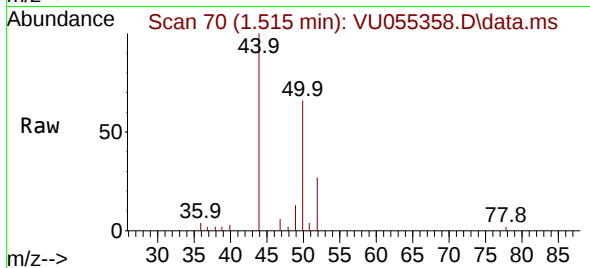




#3
Chloromethane
Concen: 0.312 ug/L
RT: 1.515 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU055358.D
Acq: 15 Sep 2023 23:05

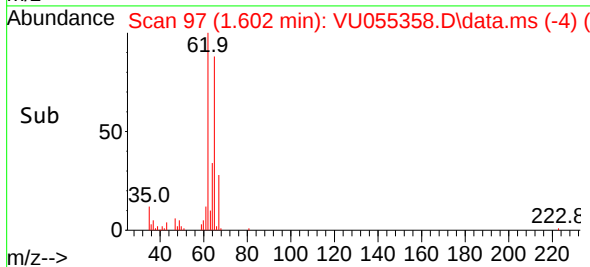
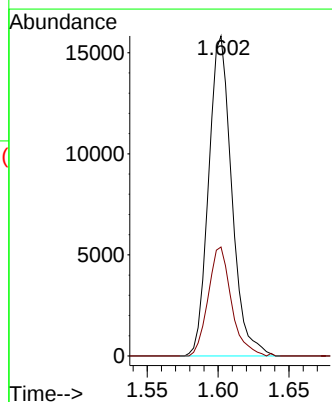
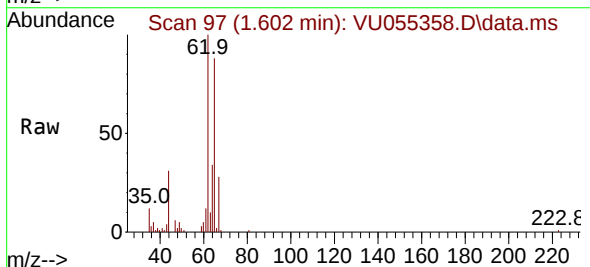
Instrument :
MSVOA_U
ClientSampleId :
BH4L3

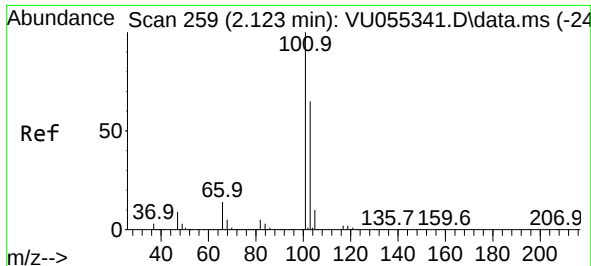
Tgt Ion: 50 Resp: 4691
Ion Ratio Lower Upper
50 100
52 40.3 22.0 40.8



#5
Vinyl chloride
Concen: 1.107 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055358.D
Acq: 15 Sep 2023 23:05

Tgt Ion: 62 Resp: 17942
Ion Ratio Lower Upper
62 100
64 34.1 23.4 43.6

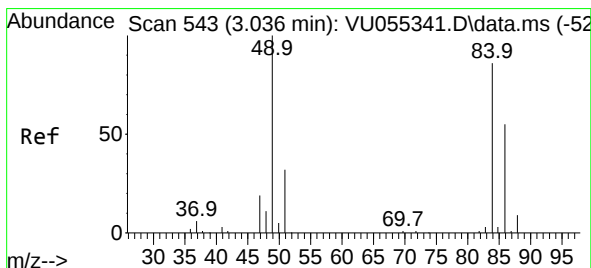
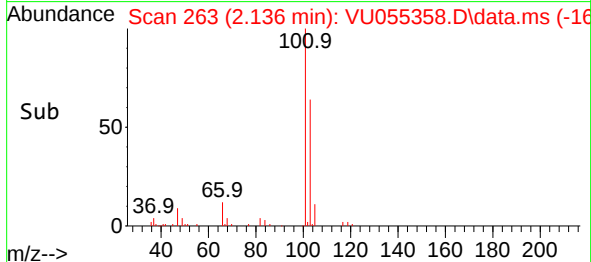
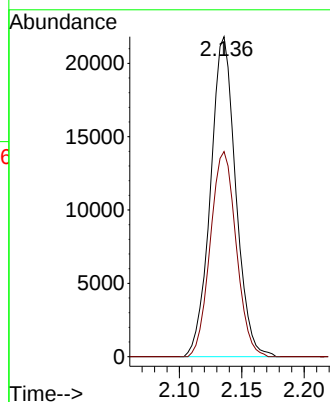
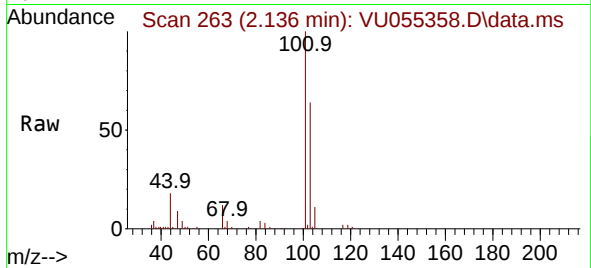




#9
Trichlorofluoromethane
Concen: 1.185 ug/L
RT: 2.136 min Scan# 20
Delta R.T. 0.013 min
Lab File: VU055358.D
Acq: 15 Sep 2023 23:05

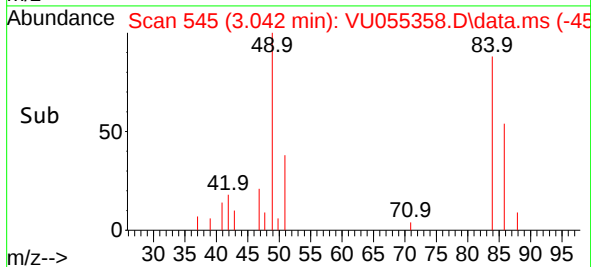
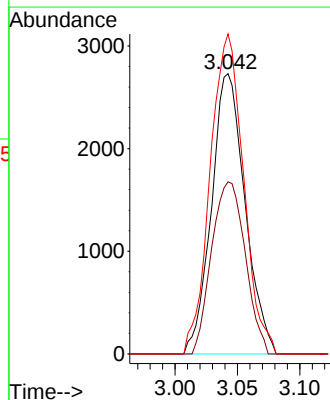
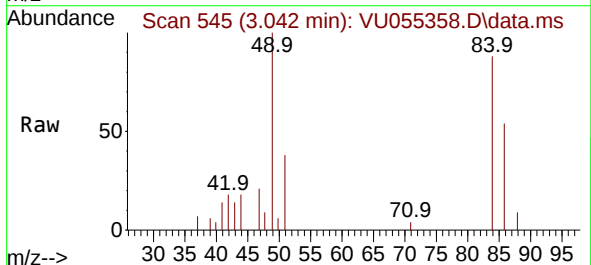
Instrument :
MSVOA_U
ClientSampleId :
BH4L3

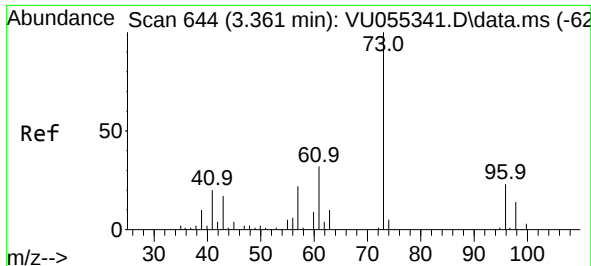
Tgt Ion:101 Resp: 30741
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.8



#16
Methylene chloride
Concen: 0.299 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.006 min
Lab File: VU055358.D
Acq: 15 Sep 2023 23:05

Tgt Ion: 84 Resp: 5119
Ion Ratio Lower Upper
84 100
86 61.4 42.4 78.8
49 121.2 79.9 148.3

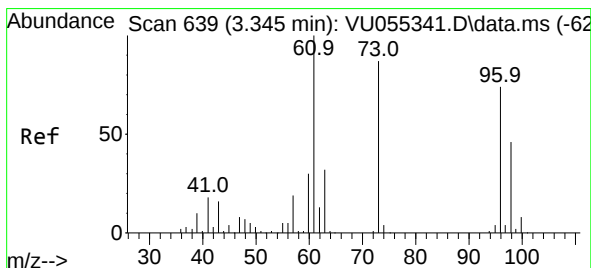
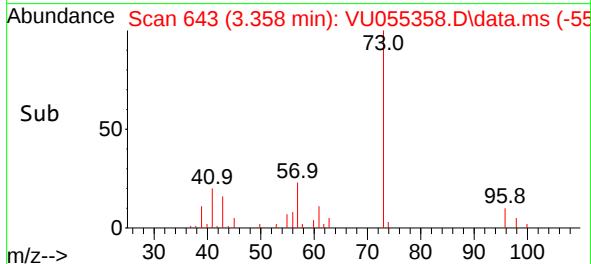
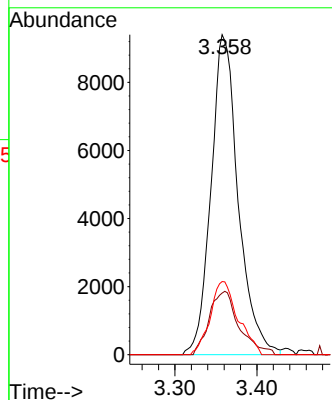
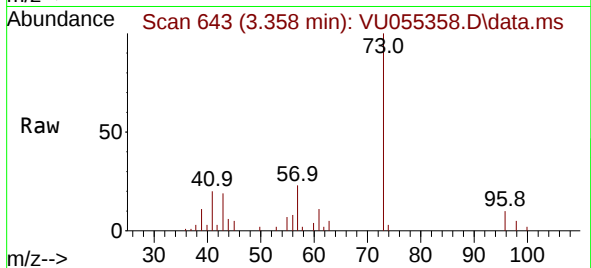




#17
Methyl tert-butyl Ether
Concen: 0.787 ug/L
RT: 3.358 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055358.D
Acq: 15 Sep 2023 23:05

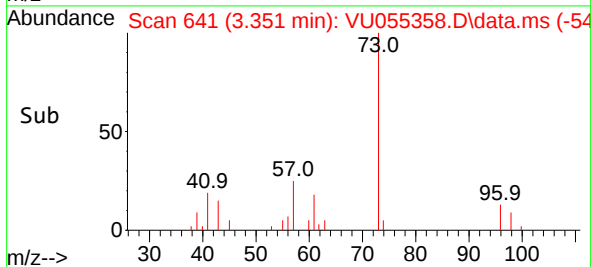
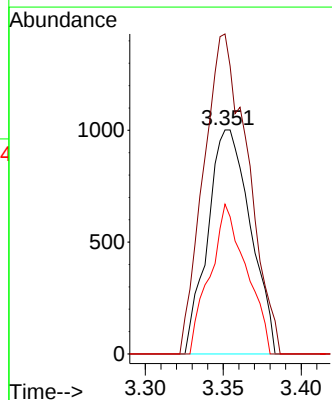
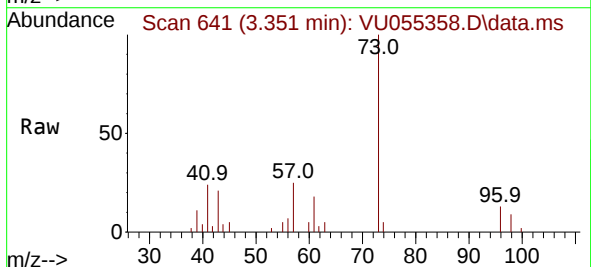
Instrument :
MSVOA_U
ClientSampleId :
BH4L3

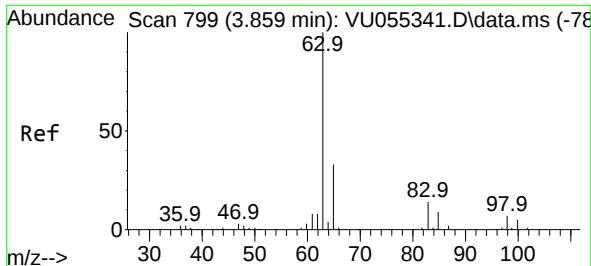
Tgt Ion: 73 Resp: 21687
Ion Ratio Lower Upper
73 100
43 21.7 16.0 24.0
57 23.3 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 0.151 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.007 min
Lab File: VU055358.D
Acq: 15 Sep 2023 23:05

Tgt Ion: 96 Resp: 1908
Ion Ratio Lower Upper
96 100
61 142.8 97.4 181.0
98 66.9 44.6 82.8





#19

1,1-Dichloroethane

Concen: 0.219 ug/L

RT: 3.872 min Scan# 80

Delta R.T. 0.013 min

Lab File: VU055358.D

Acq: 15 Sep 2023 23:05

Instrument :

MSVOA_U

ClientSampleId :

BH4L3

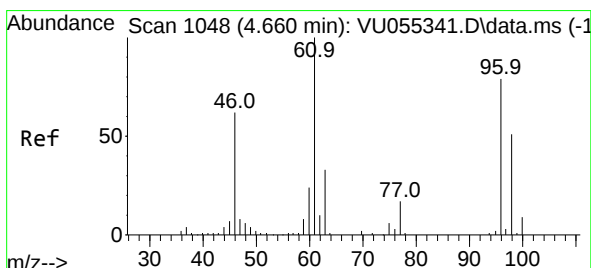
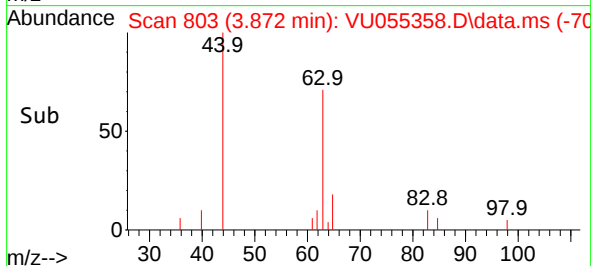
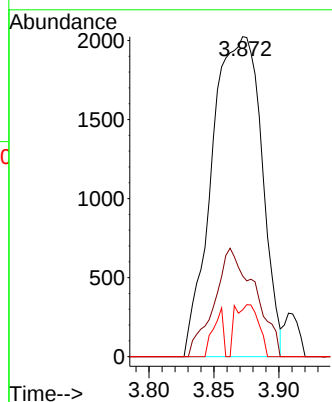
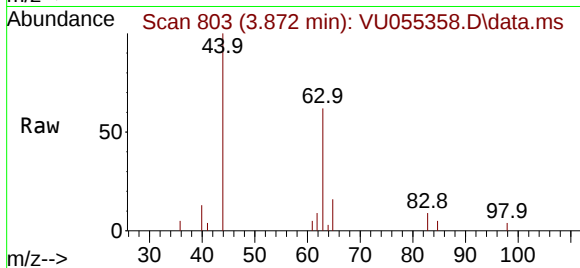
Tgt Ion: 63 Resp: 5394

Ion Ratio Lower Upper

63 100

65 25.2 21.8 40.6

83 14.6 9.7 17.9



#22

cis-1,2-Dichloroethene

Concen: 3.903 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU055358.D

Acq: 15 Sep 2023 23:05

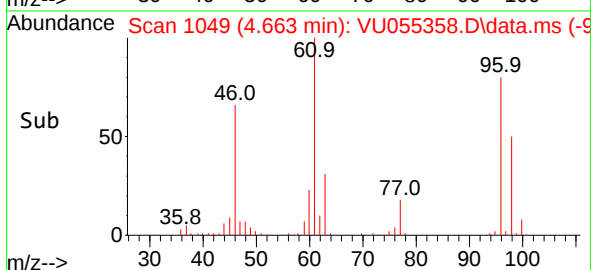
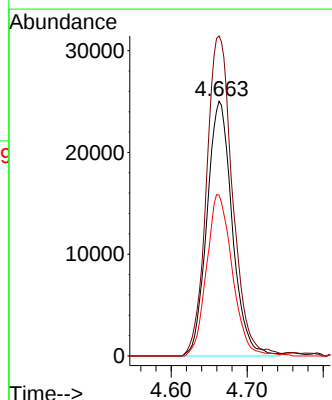
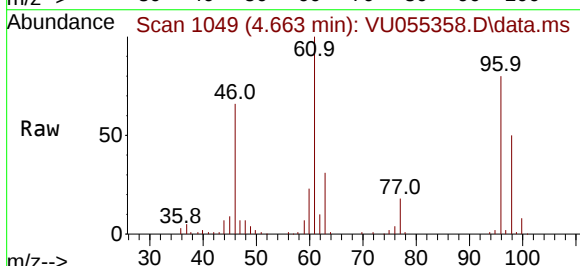
Tgt Ion: 96 Resp: 57783

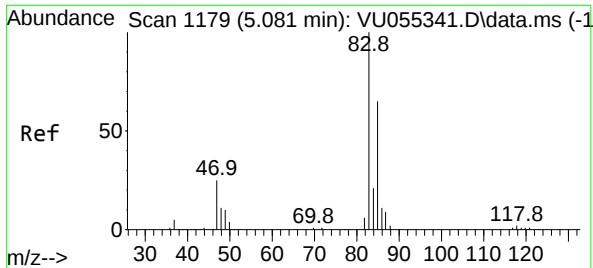
Ion Ratio Lower Upper

96 100

61 125.6 88.1 163.7

98 63.2 43.5 80.7





#25

Chloroform

Concen: 0.405 ug/L

RT: 5.087 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VU055358.D

Acq: 15 Sep 2023 23:05

Instrument :

MSVOA_U

ClientSampleId :

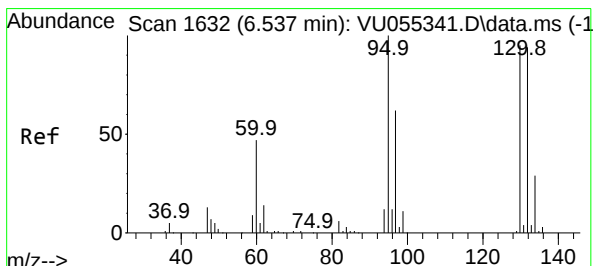
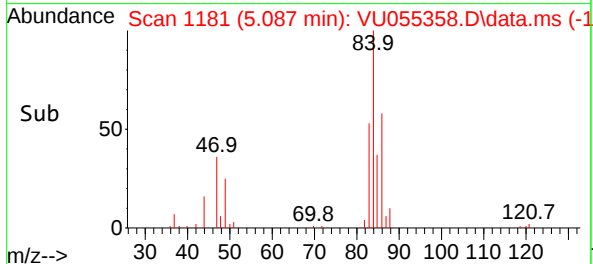
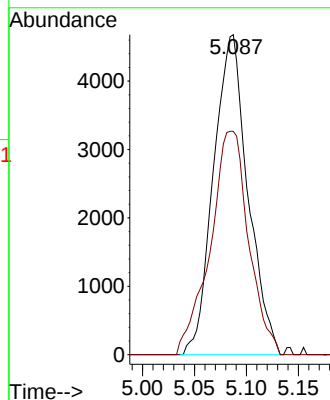
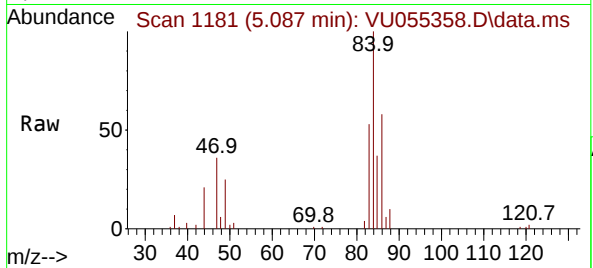
BH4L3

Tgt Ion: 83 Resp: 10771

Ion Ratio Lower Upper

83 100

85 69.8 44.4 82.4



#34

Trichloroethene

Concen: 6.796 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VU055358.D

Acq: 15 Sep 2023 23:05

Tgt Ion: 95 Resp: 110229

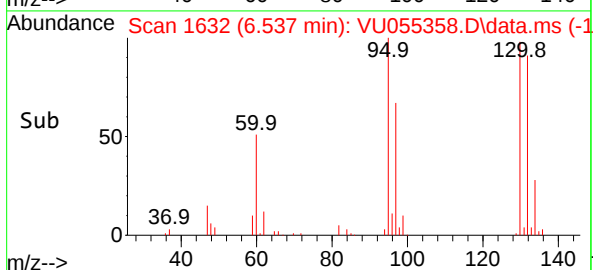
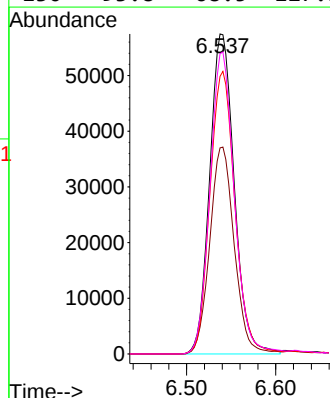
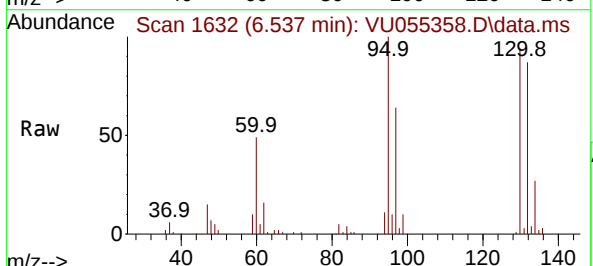
Ion Ratio Lower Upper

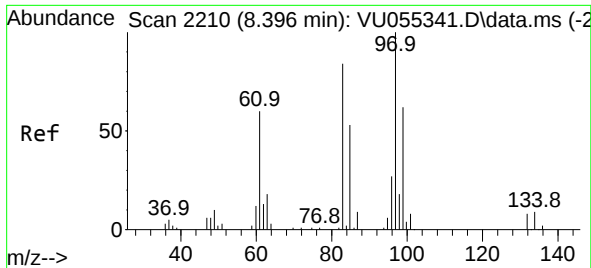
95 100

97 64.4 47.4 88.0

132 86.7 60.5 112.3

130 93.8 68.5 127.1



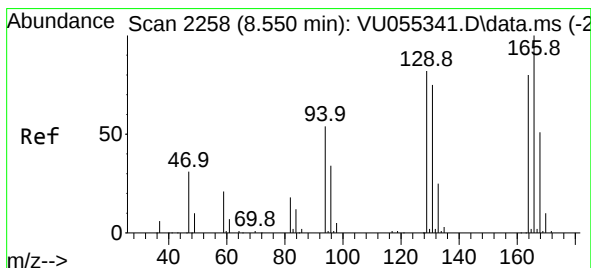
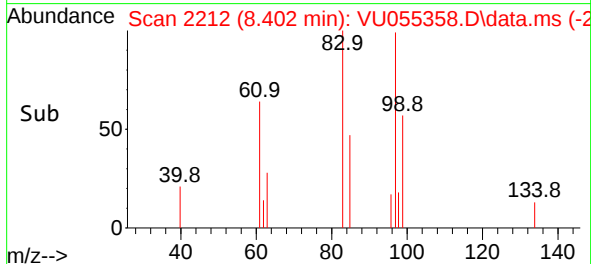
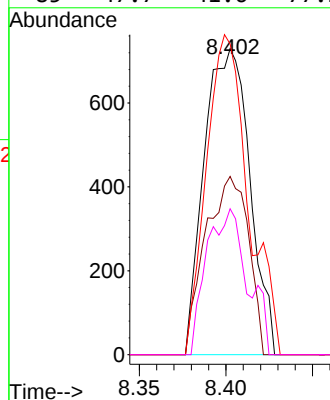
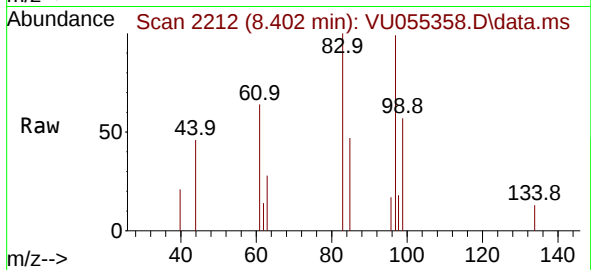


#45
1,1,2-Trichloroethane
Concen: 0.129 ug/L
RT: 8.402 min Scan# 211
Delta R.T. 0.007 min
Lab File: VU055358.D
Acq: 15 Sep 2023 23:05

Instrument :
MSVOA_U
ClientSampleId :
BH4L3

Tgt Ion: 97 Resp: 1334

Ion	Ratio	Lower	Upper
97	100		
99	58.2	42.4	78.6
83	101.5	61.3	113.9
85	47.7	41.6	77.2



#47
Tetrachloroethene
Concen: 2.239 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055358.D
Acq: 15 Sep 2023 23:05

Tgt Ion: 164 Resp: 24893

Ion	Ratio	Lower	Upper
164	100		
129	101.8	76.3	141.7
131	96.8	69.1	128.3
166	133.7	87.8	163.2

