

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055211.D
 Acq On : 08 Sep 2023 01:44
 Operator : MD/SY
 Sample : 04307-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H5

Quant Time: Sep 08 06:38:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 06:18:43 2023
 Response via : Initial Calibration

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

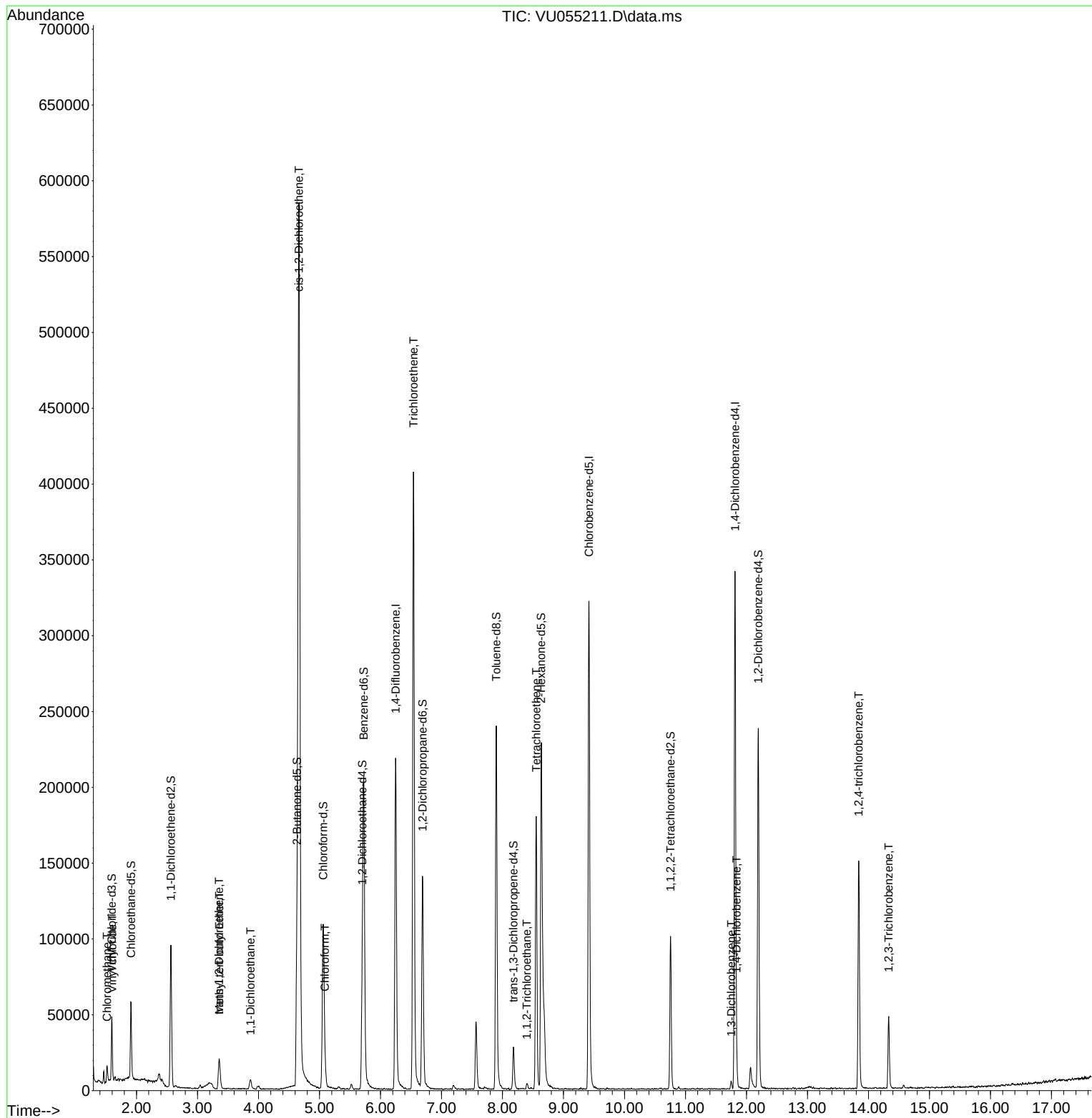
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	171945	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	179897	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	88121	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	25951	3.220	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.911	69	36250	3.886	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.563	65	17309	3.770	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.400%
20) 2-Butanone-d5	4.631	46	135699	58.026	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.060%
24) Chloroform-d	5.062	84	100064	4.679	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.701	65	52709	4.927	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.727	84	190384	4.287	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.688	67	65438	4.633	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.897	98	161165	3.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	8.180	79	14244	3.662	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.200%
46) 2-Hexanone-d5	8.634	63	70232	44.477	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.960%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	50716	5.106	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	60583	4.710	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	7803	0.767	ug/L	92
5) Vinyl chloride	1.602	62	3235	0.301	ug/L	97
17) Methyl tert-butyl Ether	3.357	73	7570	0.363	ug/L #	93
18) trans-1,2-Dichloroethene	3.354	96	6068	0.752	ug/L	92
19) 1,1-Dichloroethane	3.869	63	7695	0.441	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	287558	29.127	ug/L	96
25) Chloroform	5.087	83	9712	0.535	ug/L	99
34) Trichloroethene	6.541	95	138103	12.979	ug/L	95
45) 1,1,2-Trichloroethane	8.399	97	1053	0.150	ug/L	91
47) Tetrachloroethene	8.553	164	37946	5.160	ug/L	95
64) 1,3-Dichlorobenzene	11.749	146	1963	0.100	ug/L	93
65) 1,4-Dichlorobenzene	11.836	146	3950	0.201	ug/L	95
70) 1,2,4-trichlorobenzene	13.839	180	43844	3.137	ug/L	97
72) 1,2,3-Trichlorobenzene	14.331	180	13847	1.141	ug/L	98

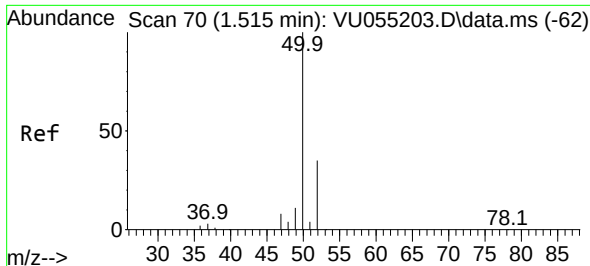
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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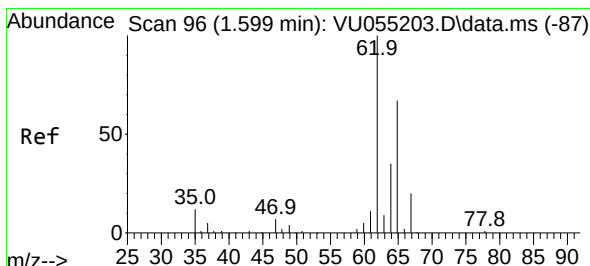
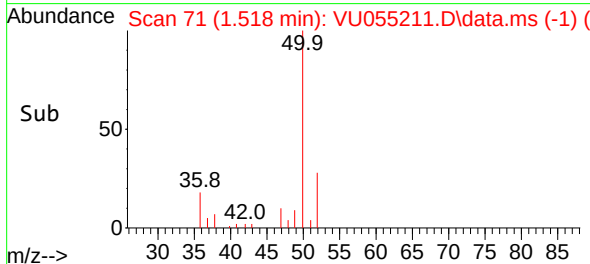
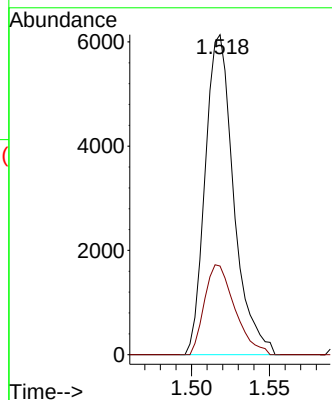
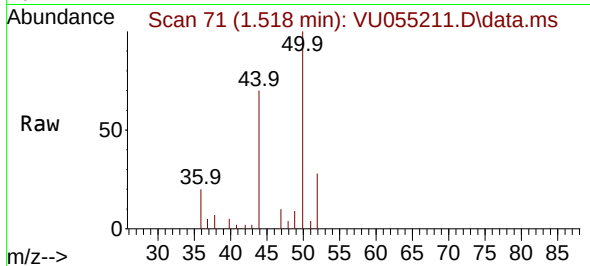




#3
Chloromethane
Concen: 0.767 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

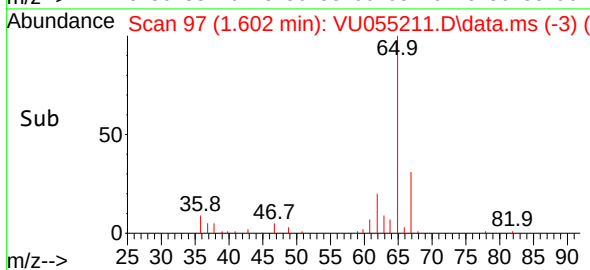
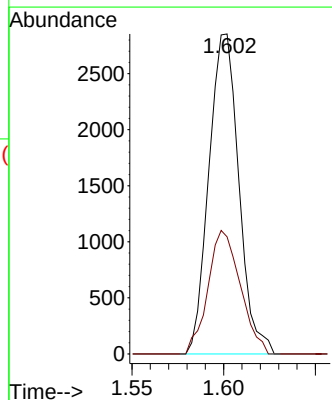
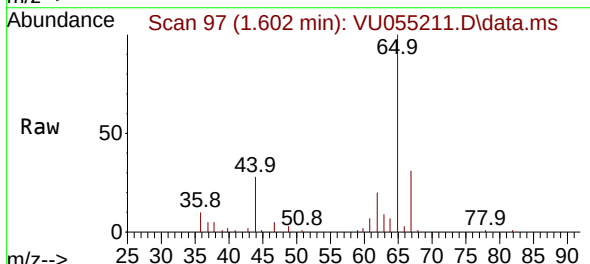
Instrument :
MSVOA_U
ClientSampleId :
BH4H5

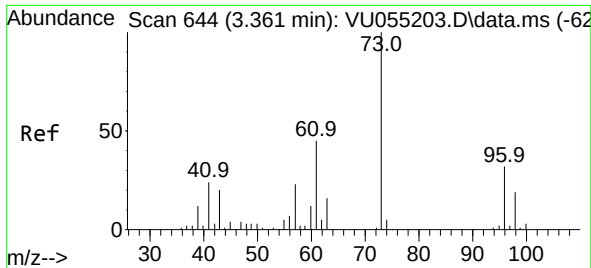
Tgt Ion: 50 Resp: 7803
Ion Ratio Lower Upper
50 100
52 27.7 22.5 41.7



#5
Vinyl chloride
Concen: 0.301 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Tgt Ion: 62 Resp: 3235
Ion Ratio Lower Upper
62 100
64 36.6 24.2 45.0

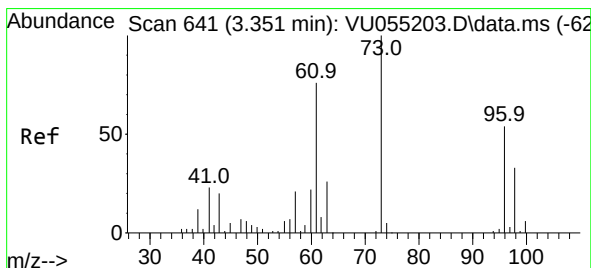
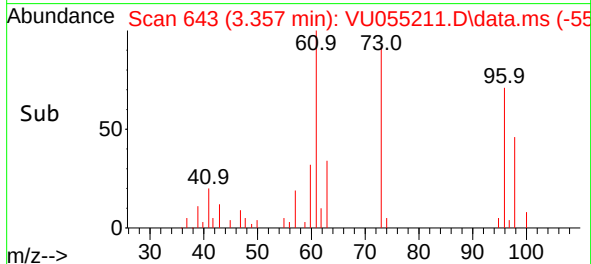
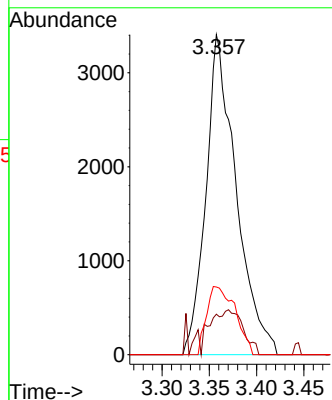
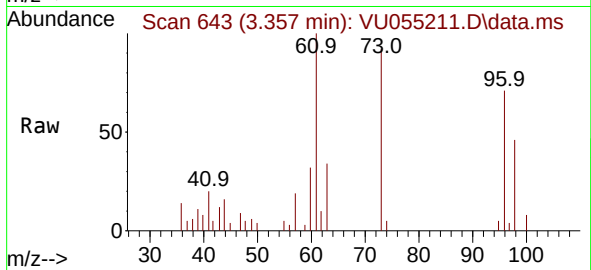




#17
Methyl tert-butyl Ether
Concen: 0.363 ug/L
RT: 3.357 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

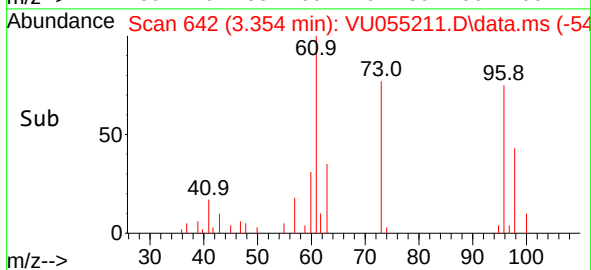
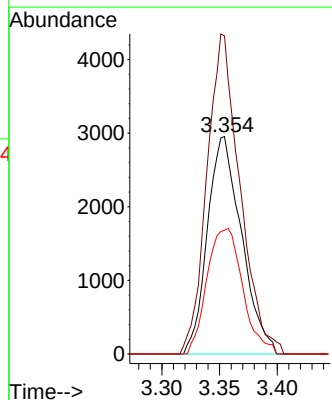
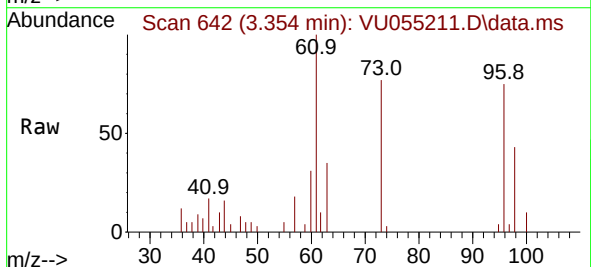
Instrument :
MSVOA_U
ClientSampleId :
BH4H5

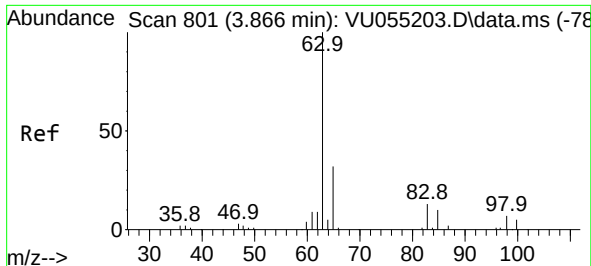
Tgt Ion: 73 Resp: 7570
Ion Ratio Lower Upper
73 100
43 15.3 16.2 24.2#
57 20.1 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.752 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Tgt Ion: 96 Resp: 6068
Ion Ratio Lower Upper
96 100
61 146.2 108.1 200.9
98 56.9 45.4 84.4





#19

1,1-Dichloroethane

Concen: 0.441 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

Instrument :

MSVOA_U

ClientSampleId :

BH4H5

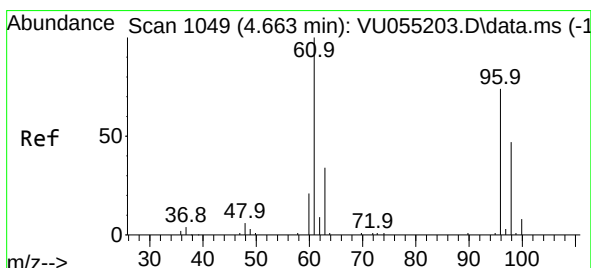
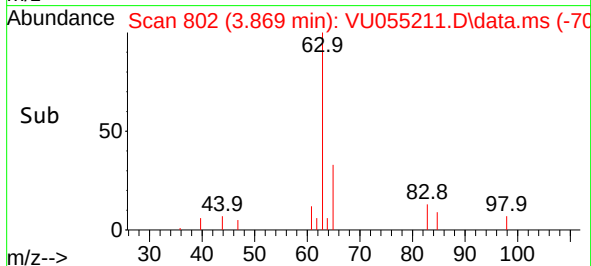
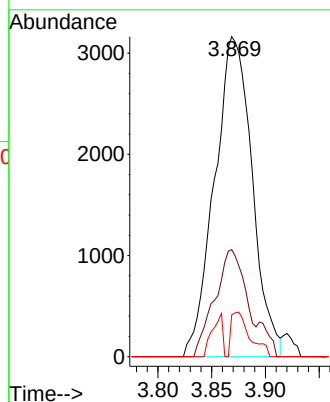
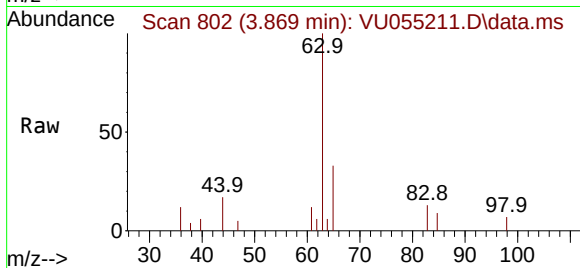
Tgt Ion: 63 Resp: 7695

Ion Ratio Lower Upper

63 100

65 31.5 22.2 41.2

83 12.3 10.6 19.8



#22

cis-1,2-Dichloroethene

Concen: 29.127 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

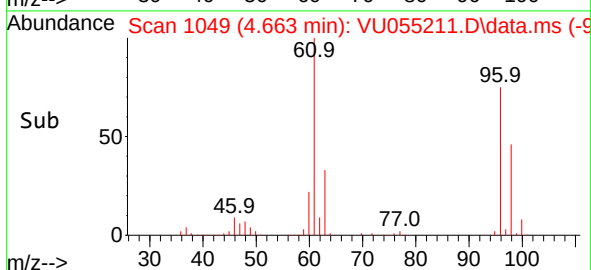
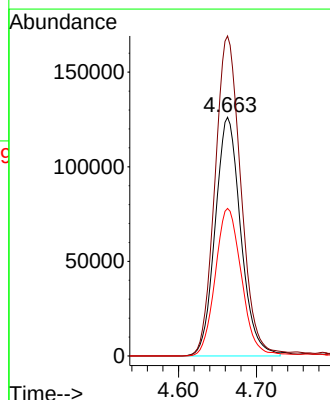
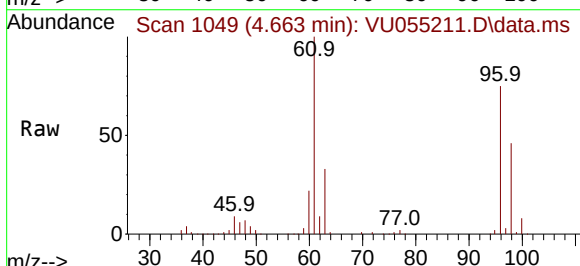
Tgt Ion: 96 Resp: 287558

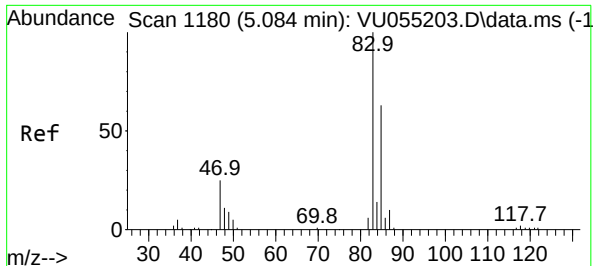
Ion Ratio Lower Upper

96 100

61 134.1 97.2 180.4

98 61.8 46.1 85.7





#25

Chloroform

Concen: 0.535 ug/L

RT: 5.087 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

Instrument :

MSVOA_U

ClientSampleId :

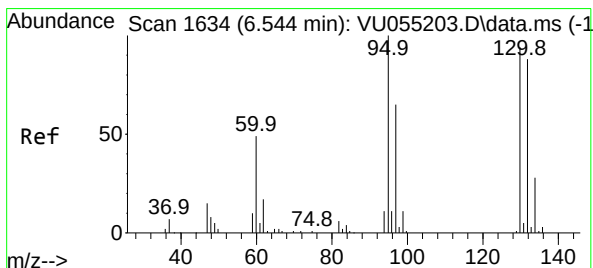
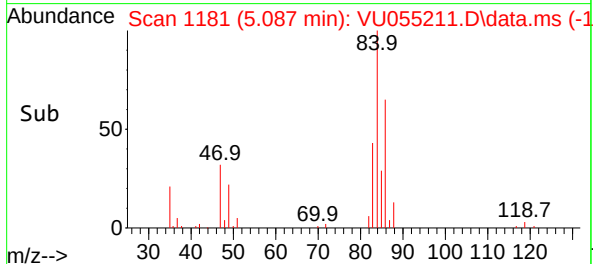
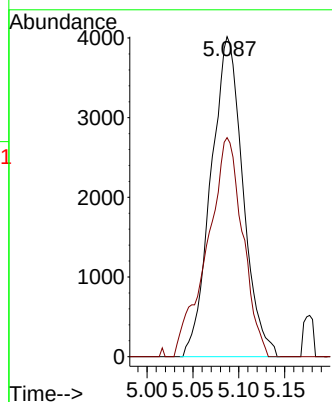
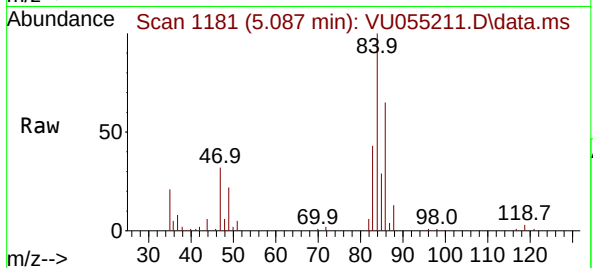
BH4H5

Tgt Ion: 83 Resp: 9712

Ion Ratio Lower Upper

83 100

85 68.4 47.2 87.6



#34

Trichloroethene

Concen: 12.979 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. -0.003 min

Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

Tgt Ion: 95 Resp: 138103

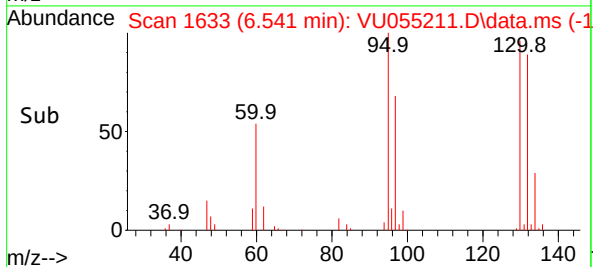
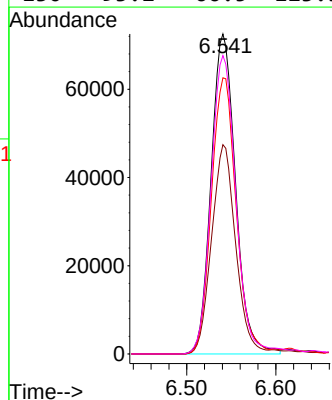
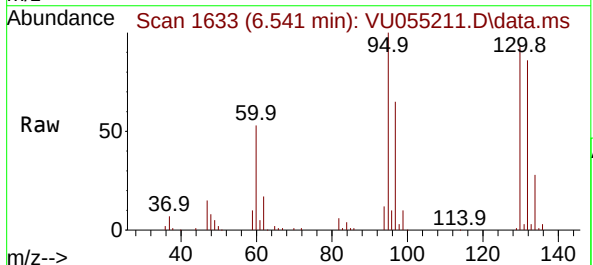
Ion Ratio Lower Upper

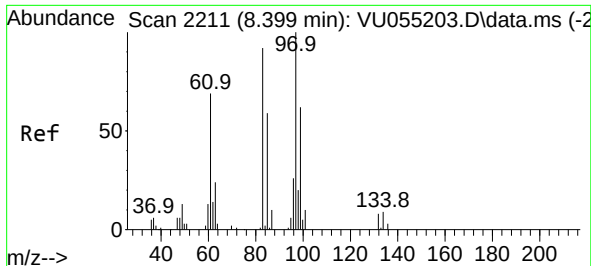
95 100

97 65.4 44.7 83.1

132 86.3 66.6 123.6

130 93.2 66.5 123.5



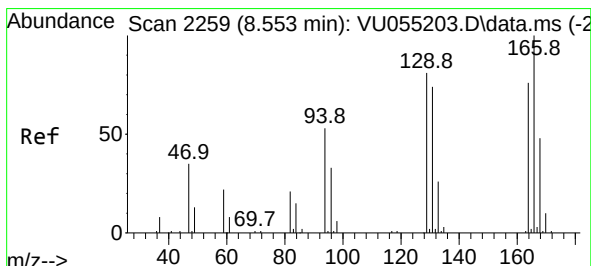
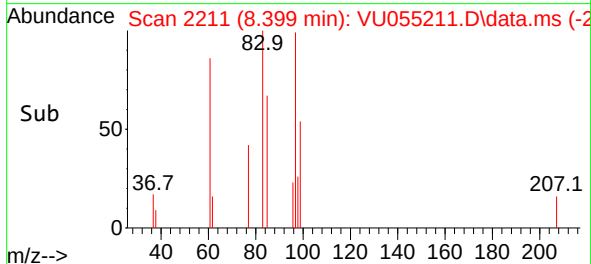
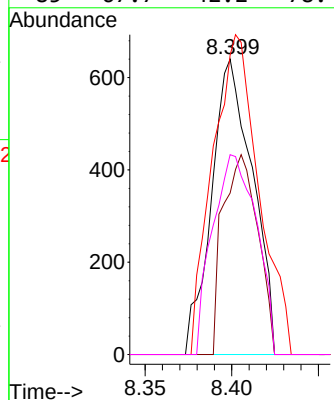
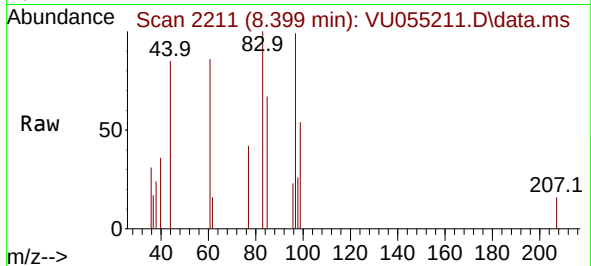


#45
1,1,2-Trichloroethane
Concen: 0.150 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. -0.000 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Instrument :
MSVOA_U
ClientSampleId :
BH4H5

Tgt Ion: 97 Resp: 1053

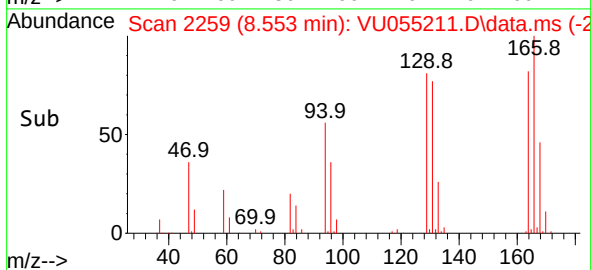
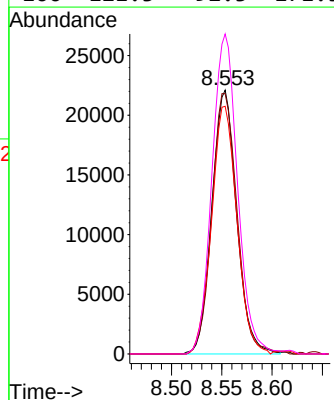
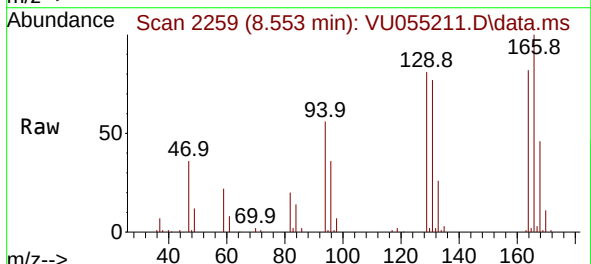
Ion	Ratio	Lower	Upper
97	100		
99	54.7	44.9	83.5
83	101.4	66.9	124.3
85	67.7	42.2	78.4

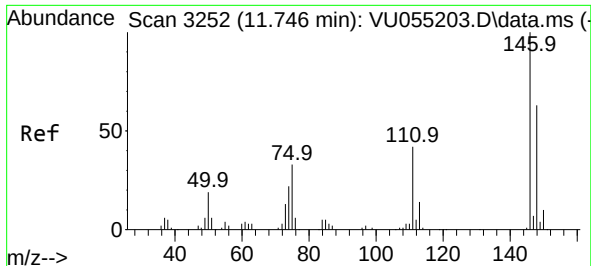


#47
Tetrachloroethene
Concen: 5.160 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.000 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Tgt Ion: 164 Resp: 37946

Ion	Ratio	Lower	Upper
164	100		
129	98.7	69.2	128.6
131	93.9	68.8	127.8
166	121.3	92.3	171.5





#64

1,3-Dichlorobenzene

Concen: 0.100 ug/L

RT: 11.749 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

Instrument :

MSVOA_U

ClientSampleId :

BH4H5

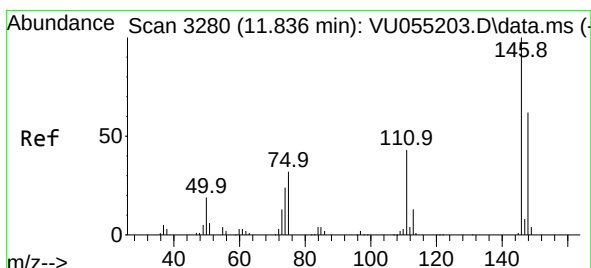
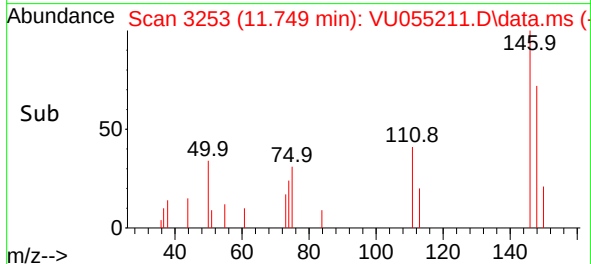
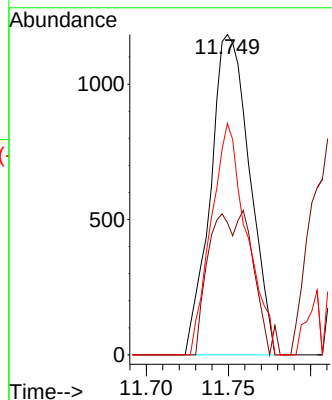
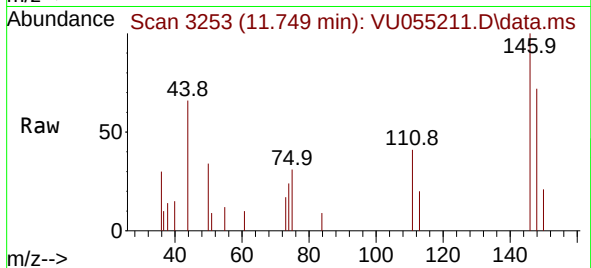
Tgt Ion:146 Resp: 1963

Ion Ratio Lower Upper

146 100

111 41.3 30.0 55.6

148 72.3 45.2 84.0



#65

1,4-Dichlorobenzene

Concen: 0.201 ug/L

RT: 11.836 min Scan# 3280

Delta R.T. -0.000 min

Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

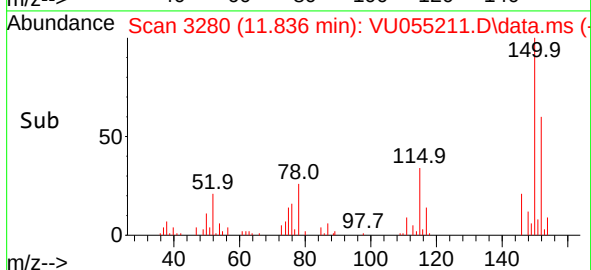
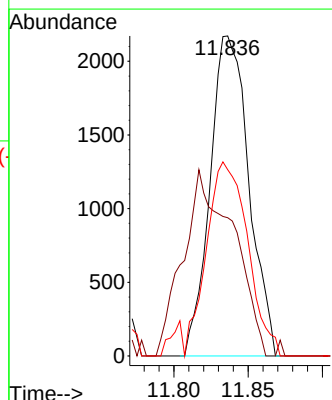
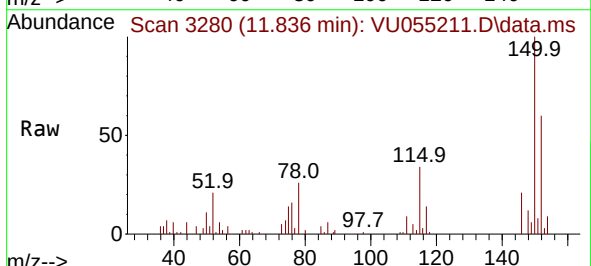
Tgt Ion:146 Resp: 3950

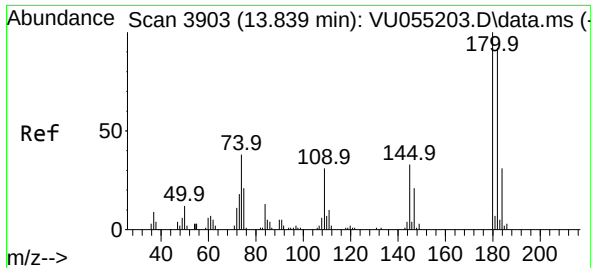
Ion Ratio Lower Upper

146 100

111 43.2 28.1 52.1

148 58.2 43.8 81.3

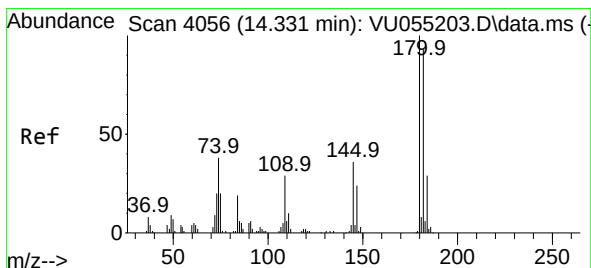
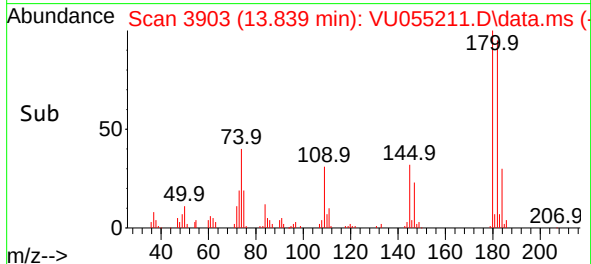
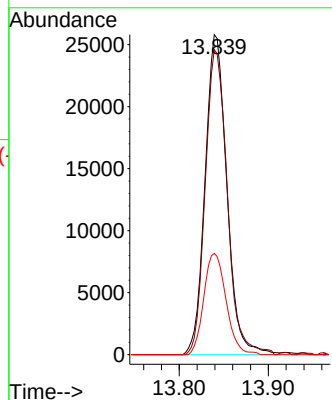
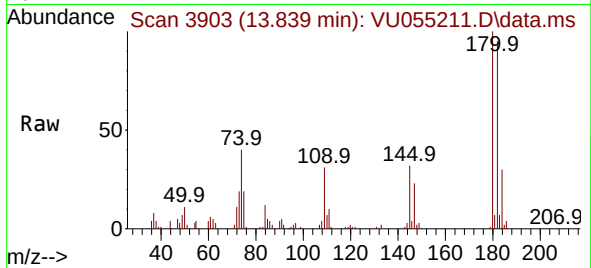




#70
1,2,4-trichlorobenzene
Concen: 3.137 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. -0.000 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Instrument :
MSVOA_U
ClientSampleId :
BH4H5

Tgt Ion:180 Resp: 43844
Ion Ratio Lower Upper
180 100
182 96.0 73.6 110.4
145 32.3 25.8 38.8



#72
1,2,3-Trichlorobenzene
Concen: 1.141 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. -0.000 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Tgt Ion:180 Resp: 13847
Ion Ratio Lower Upper
180 100
182 96.7 75.6 113.4
145 34.8 27.0 40.6

