

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055123.D
 Acq On : 06 Sep 2023 03:26
 Operator : MD/SY
 Sample : 04267-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C9

Quant Time: Sep 06 05:27:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

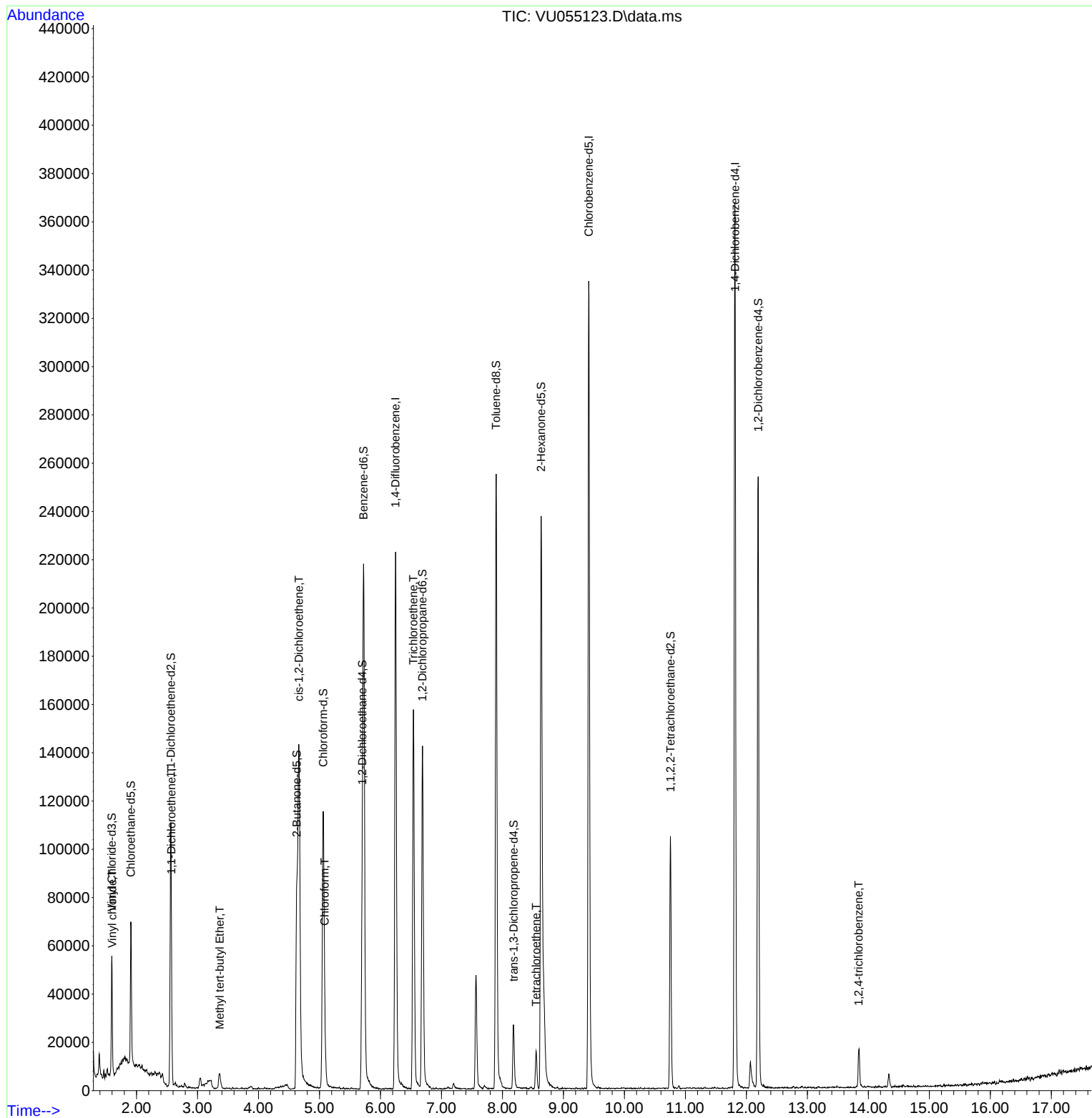
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	177537	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	181344	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	92768	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	32950	3.960	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.200%
7) Chloroethane-d5	1.907	69	40106	4.164	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.563	65	20565	4.338	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.800%
20) 2-Butanone-d5	4.627	46	127338	52.736	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.480%
24) Chloroform-d	5.061	84	102291	4.633	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.701	65	53296	4.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.724	84	202841	4.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.688	67	65411	4.594	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.897	98	170420	4.133	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	8.184	79	15517	3.958	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.200%
46) 2-Hexanone-d5	8.634	63	74672	46.912	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.820%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	50206	5.014	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	63806	4.712	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	2807	0.253	ug/L #	77
12) 1,1-Dichloroethene	2.573	96	1858	0.226	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	5971	0.277	ug/L #	91
22) cis-1,2-Dichloroethene	4.663	96	64441	6.322	ug/L	93
25) Chloroform	5.084	83	13538	0.722	ug/L	93
34) Trichloroethene	6.541	95	53006	4.942	ug/L	97
47) Tetrachloroethene	8.553	164	3236	0.437	ug/L	95
70) 1,2,4-trichlorobenzene	13.842	180	5665	0.385	ug/L	93

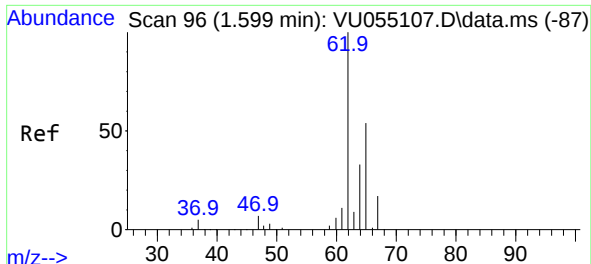
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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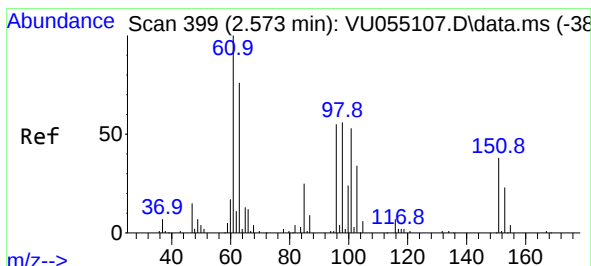
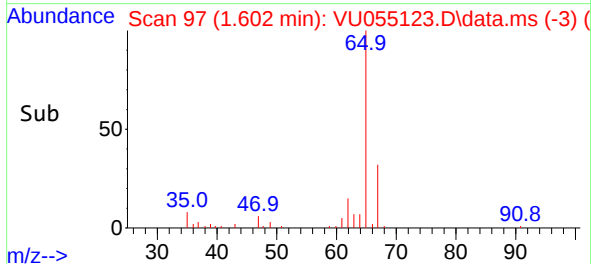
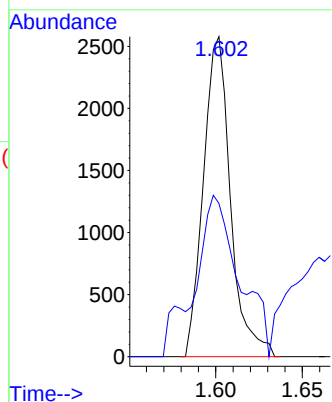
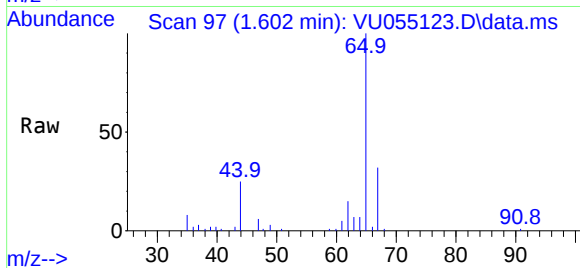




#5
 Vinyl chloride
 Concen: 0.253 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU055123.D
 Acq: 06 Sep 2023 03:26

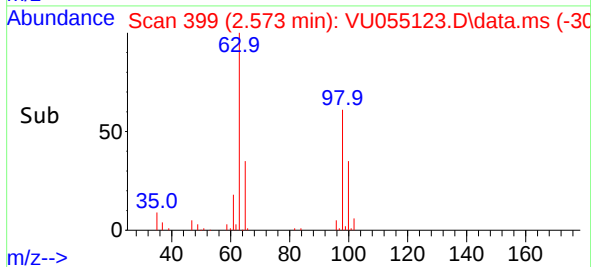
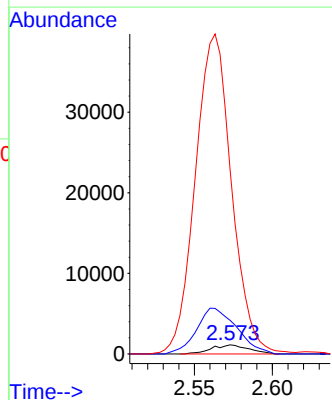
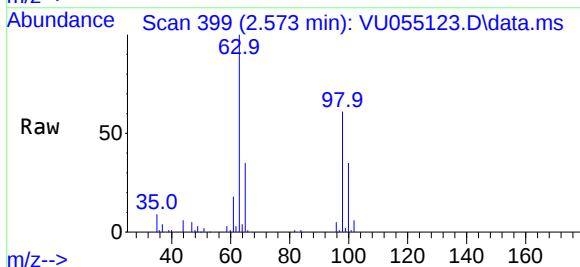
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C9

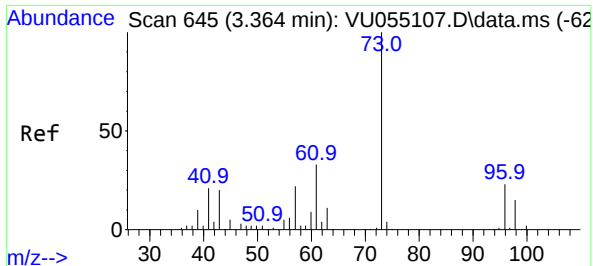
Tgt Ion: 62 Resp: 2807
 Ion Ratio Lower Upper
 62 100
 64 47.9 24.2 45.0#



#12
 1,1-Dichloroethene
 Concen: 0.226 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU055123.D
 Acq: 06 Sep 2023 03:26

Tgt Ion: 96 Resp: 1858
 Ion Ratio Lower Upper
 96 100
 61 367.8 120.8 224.4#
 63 2007.7 94.5 175.5#

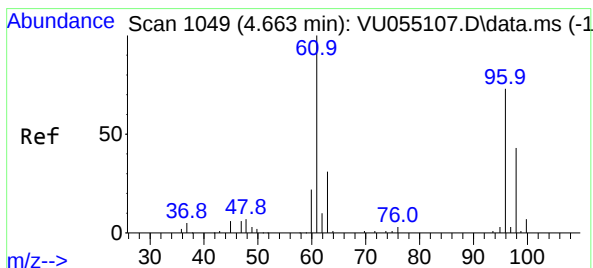
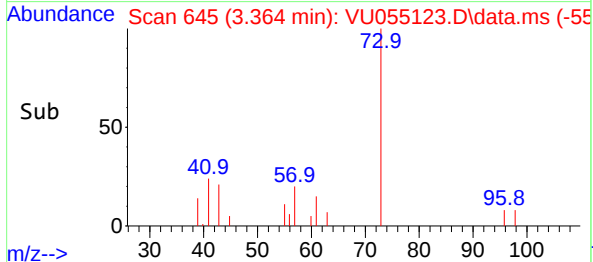
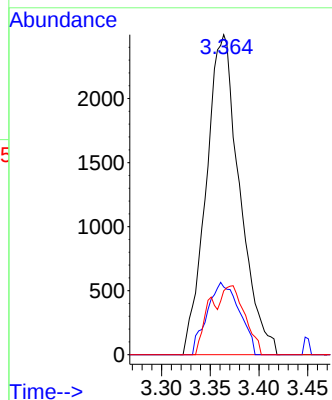
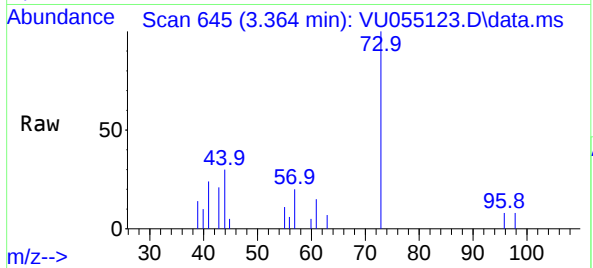




#17
Methyl tert-butyl Ether
Concen: 0.277 ug/L
RT: 3.364 min Scan# 645
Delta R.T. -0.000 min
Lab File: VU055123.D
Acq: 06 Sep 2023 03:26

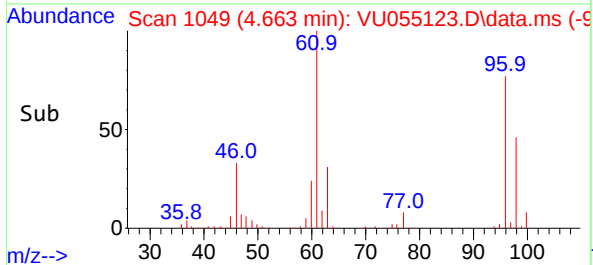
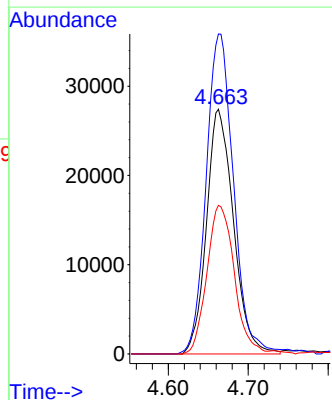
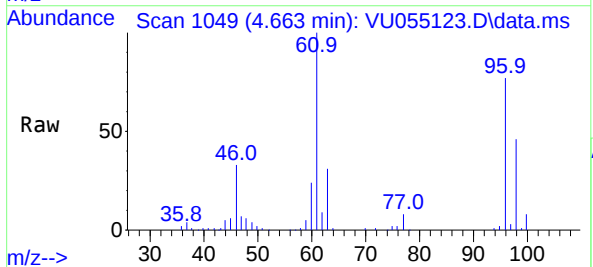
Instrument :
MSVOA_U
ClientSampleId :
BH4C9

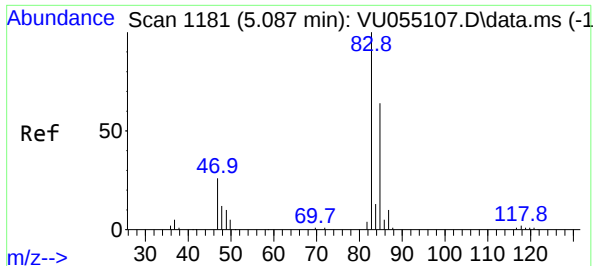
Tgt Ion: 73 Resp: 5971
Ion Ratio Lower Upper
73 100
43 21.7 16.2 24.2
57 15.2 17.4 26.2#



#22
cis-1,2-Dichloroethene
Concen: 6.322 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055123.D
Acq: 06 Sep 2023 03:26

Tgt Ion: 96 Resp: 64441
Ion Ratio Lower Upper
96 100
61 130.7 97.2 180.4
98 60.7 46.1 85.7





#25

Chloroform

Concen: 0.722 ug/L

RT: 5.084 min Scan# 1181

Delta R.T. -0.003 min

Lab File: VU055123.D

Acq: 06 Sep 2023 03:26

Instrument :

MSVOA_U

ClientSampleId :

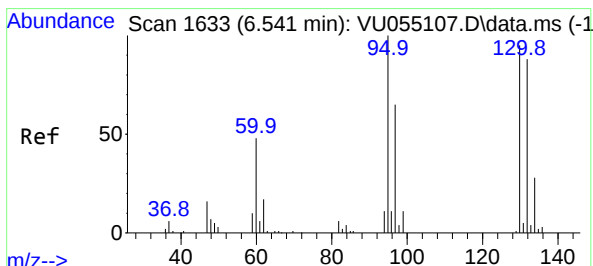
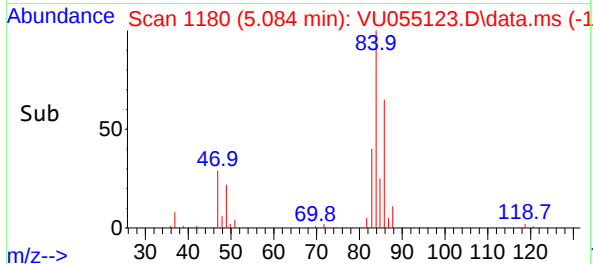
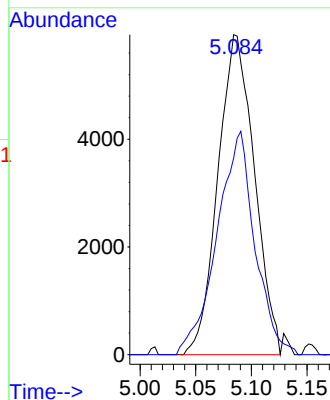
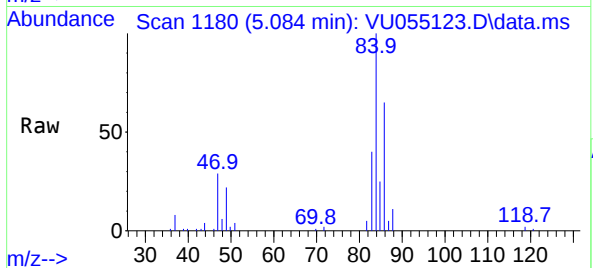
BH4C9

Tgt Ion: 83 Resp: 13538

Ion Ratio Lower Upper

83 100

85 61.4 47.2 87.6



#34

Trichloroethene

Concen: 4.942 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. -0.000 min

Lab File: VU055123.D

Acq: 06 Sep 2023 03:26

Tgt Ion: 95 Resp: 53006

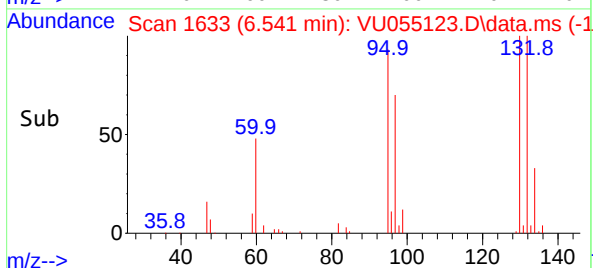
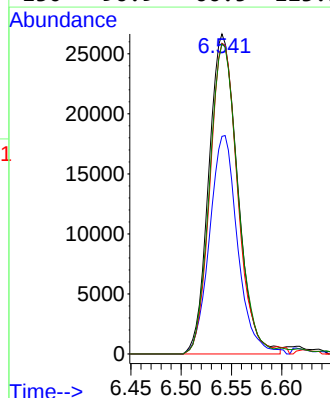
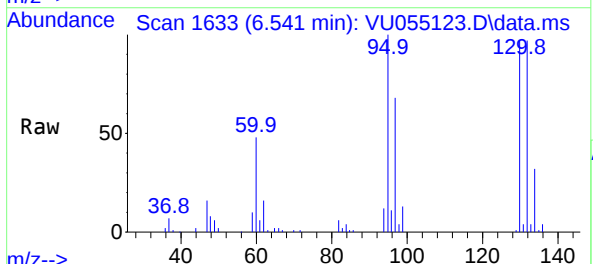
Ion Ratio Lower Upper

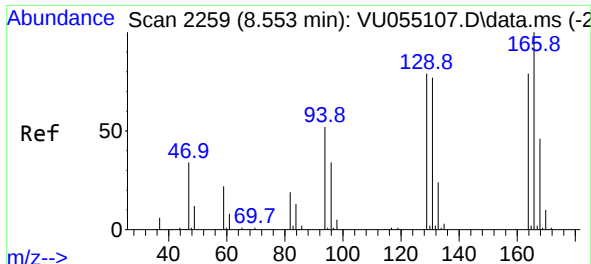
95 100

97 68.0 44.7 83.1

132 97.1 66.6 123.6

130 96.9 66.5 123.5



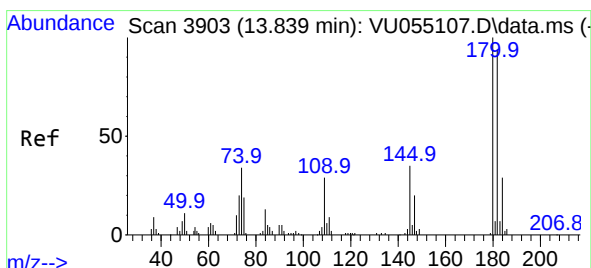
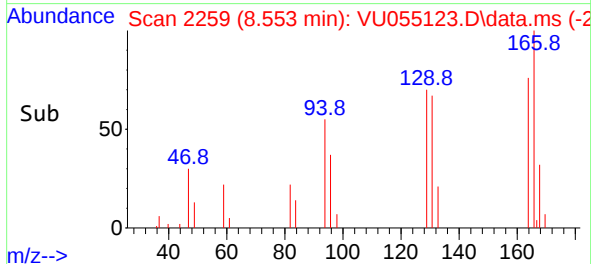
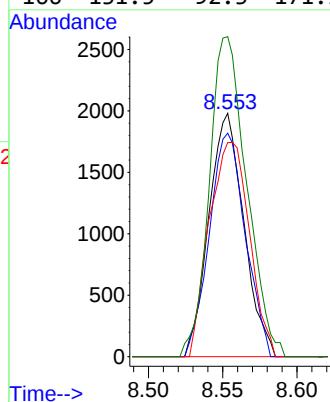
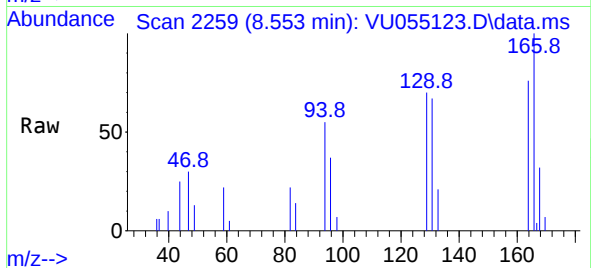


#47
Tetrachloroethene
Concen: 0.437 ug/L
RT: 8.553 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055123.D
Acq: 06 Sep 2023 03:26

Instrument :
MSVOA_U
ClientSampleId :
BH4C9

Tgt Ion:164 Resp: 3236

Ion	Ratio	Lower	Upper
164	100		
129	91.9	69.2	128.6
131	88.0	68.8	127.8
166	131.5	92.3	171.5



#70
1,2,4-trichlorobenzene
Concen: 0.385 ug/L
RT: 13.842 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VU055123.D
Acq: 06 Sep 2023 03:26

Tgt Ion:180 Resp: 5665

Ion	Ratio	Lower	Upper
180	100		
182	100.0	73.6	110.4
145	31.6	25.8	38.8

