

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055101.D
 Acq On : 05 Sep 2023 18:02
 Operator : MD/SY
 Sample : 04250-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C1

Quant Time: Sep 06 02:19:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 02:14:32 2023
 Response via : Initial Calibration

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

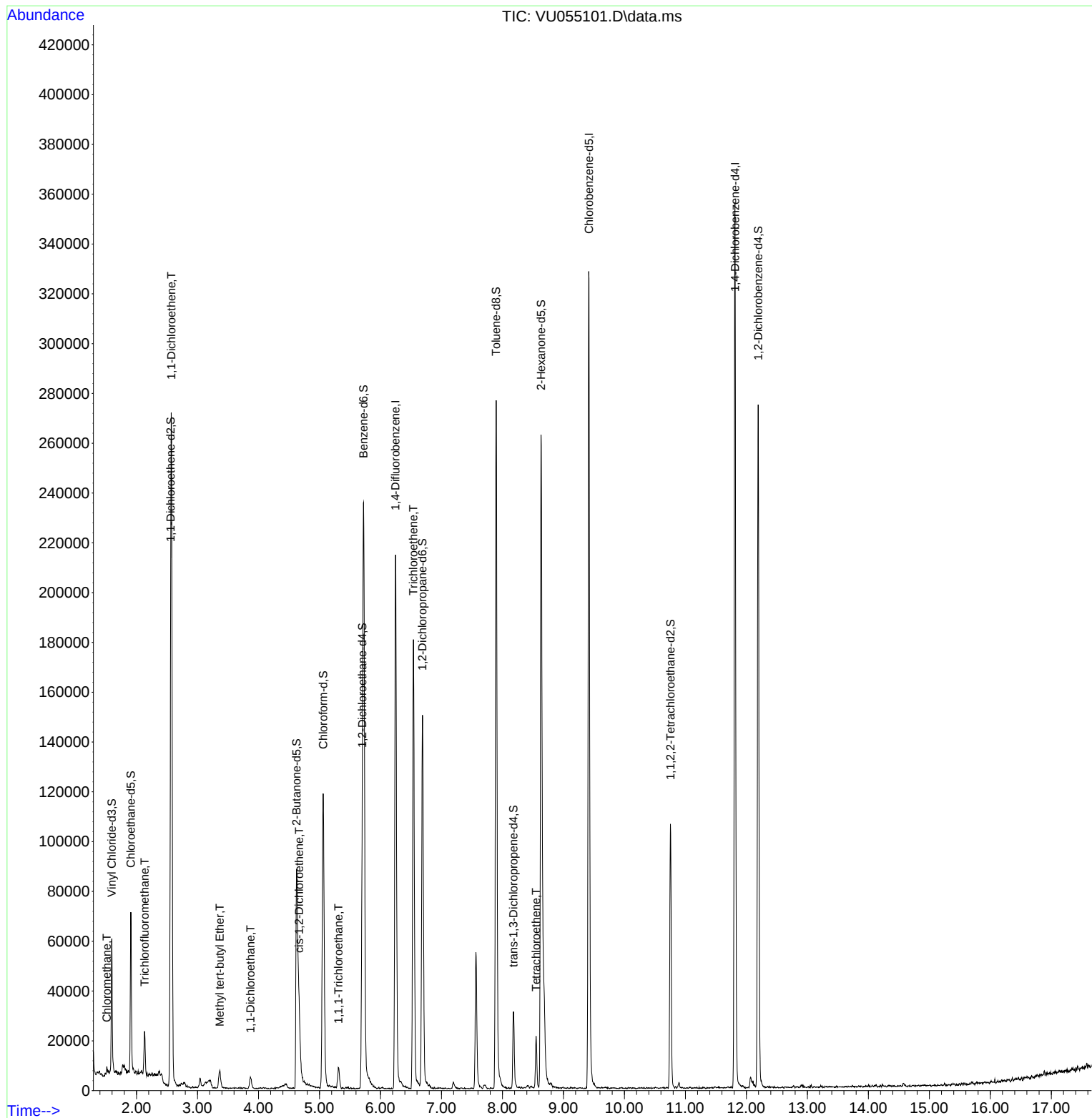
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	171867	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	176100	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	90079	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	37235	4.623	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.400%
7) Chloroethane-d5	1.907	69	44797	4.804	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.560	65	22449	4.891	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.800%
20) 2-Butanone-d5	4.624	46	135218	57.847	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.700%
24) Chloroform-d	5.062	84	109015	5.100	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.701	65	56323	5.267	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	5.724	84	218301	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.689	67	72348	5.233	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.600%
41) Toluene-d8	7.897	98	190251	4.751	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	8.180	79	17610	4.625	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.634	63	84072	54.390	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.780%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	51974	5.345	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	67921	5.166	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
3) Chloromethane	1.515	50	2134	0.210	ug/L	85
9) Trichlorofluoromethane	2.132	101	8901	0.571	ug/L	85
12) 1,1-Dichloroethene	2.573	96	67363	8.478	ug/L	88
17) Methyl tert-butyl Ether	3.364	73	7652	0.367	ug/L #	89
19) 1,1-Dichloroethane	3.869	63	5746	0.330	ug/L #	91
22) cis-1,2-Dichloroethene	4.666	96	9681	0.981	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	5602	0.368	ug/L	98
34) Trichloroethene	6.541	95	59123	5.676	ug/L	98
47) Tetrachloroethene	8.553	164	4073	0.566	ug/L	95

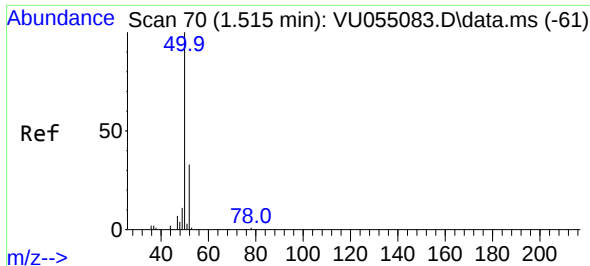
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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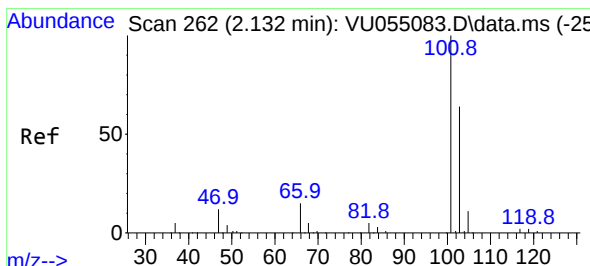
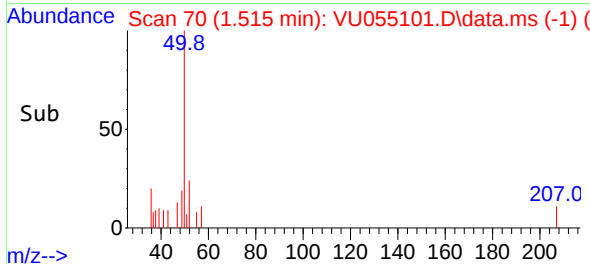
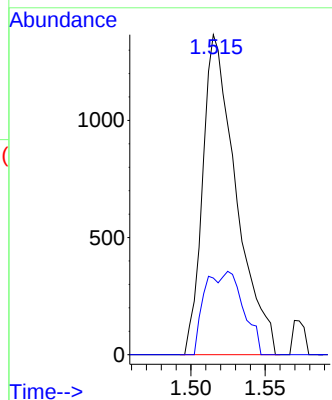
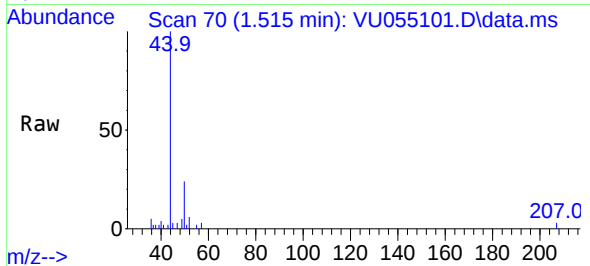




#3
Chloromethane
Concen: 0.210 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055101.D
Acq: 05 Sep 2023 18:02

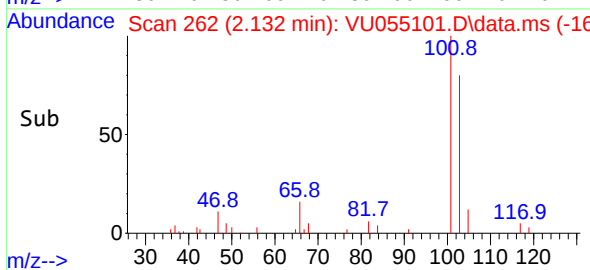
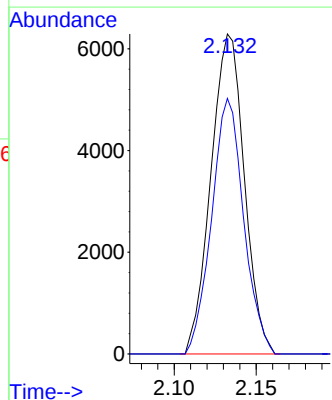
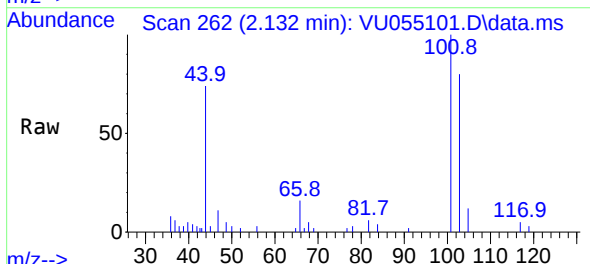
Instrument :
MSVOA_U
ClientSampleId :
BH4C1

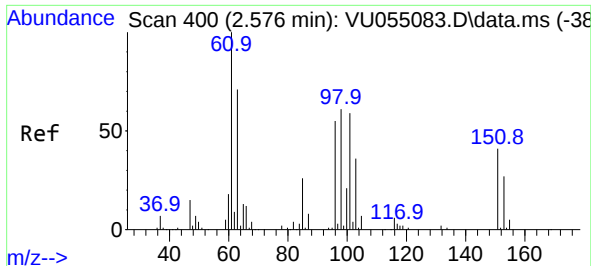
Tgt Ion: 50 Resp: 2134
Ion Ratio Lower Upper
50 100
52 23.9 22.5 41.7



#9
Trichlorofluoromethane
Concen: 0.571 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU055101.D
Acq: 05 Sep 2023 18:02

Tgt Ion: 101 Resp: 8901
Ion Ratio Lower Upper
101 100
103 76.5 51.9 77.9

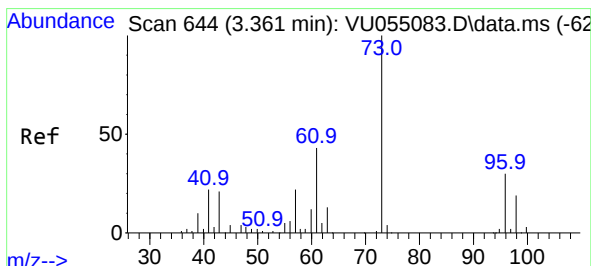
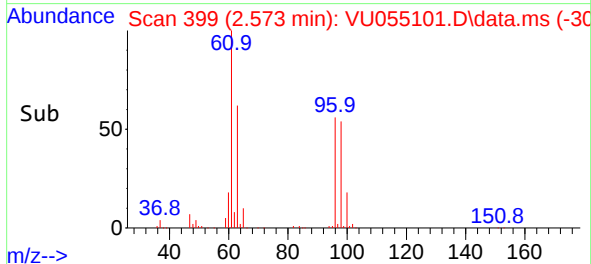
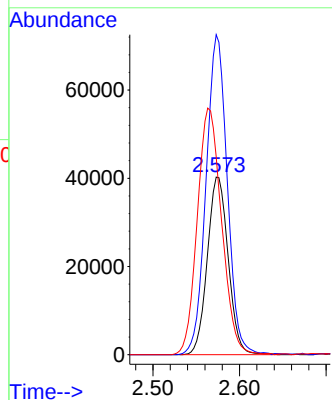
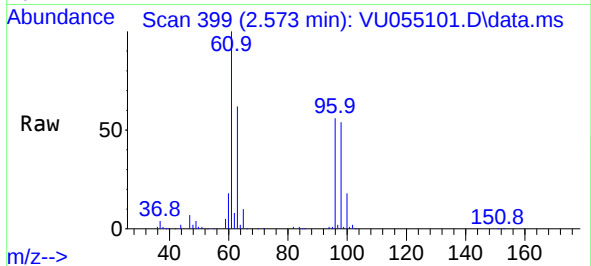




#12
1,1-Dichloroethene
Concen: 8.478 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU055101.D
Acq: 05 Sep 2023 18:02

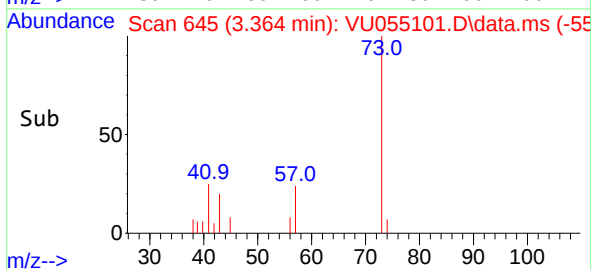
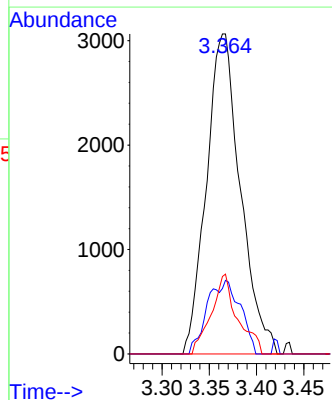
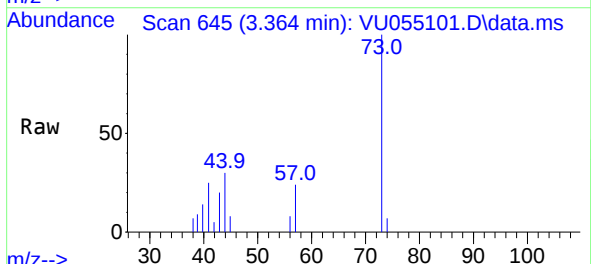
Instrument :
MSVOA_U
ClientSampleId :
BH4C1

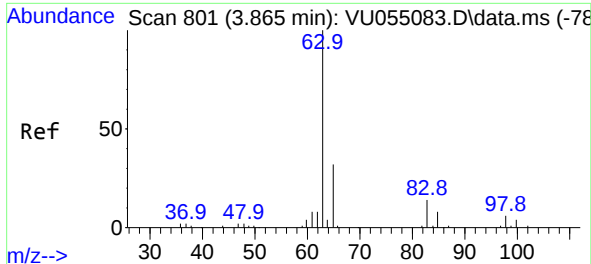
Tgt Ion: 96 Resp: 67363
Ion Ratio Lower Upper
96 100
61 180.1 120.8 224.4
63 111.4 94.5 175.5



#17
Methyl tert-butyl Ether
Concen: 0.367 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.003 min
Lab File: VU055101.D
Acq: 05 Sep 2023 18:02

Tgt Ion: 73 Resp: 7652
Ion Ratio Lower Upper
73 100
43 12.8 16.2 24.2#
57 19.3 17.4 26.2

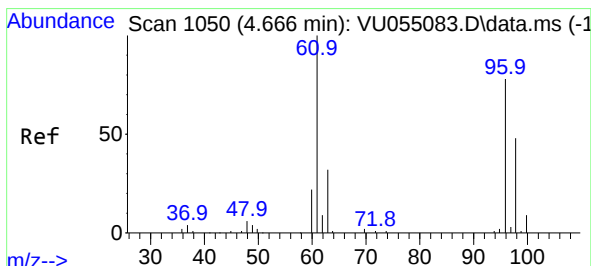
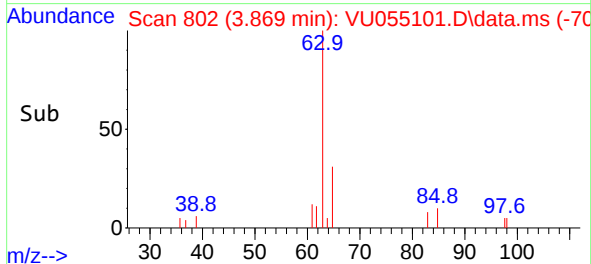
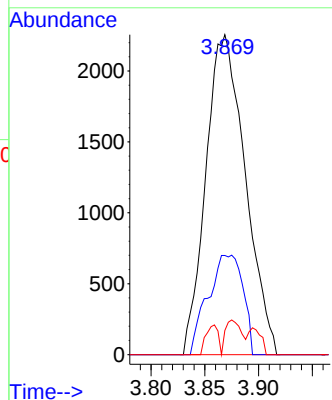
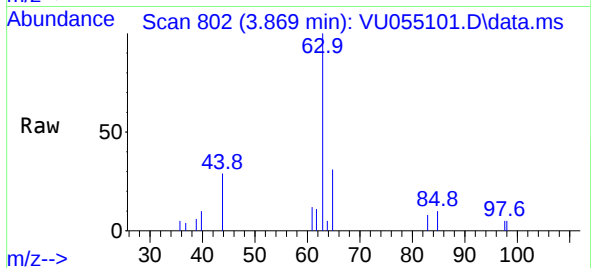




#19
1,1-Dichloroethane
Concen: 0.330 ug/L
RT: 3.869 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU055101.D
Acq: 05 Sep 2023 18:02

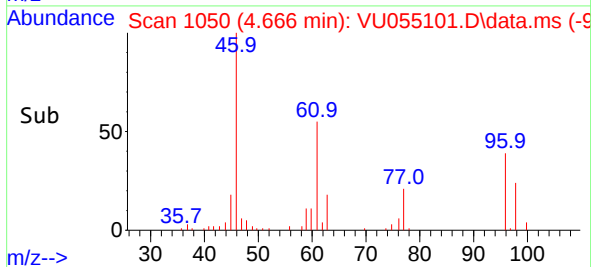
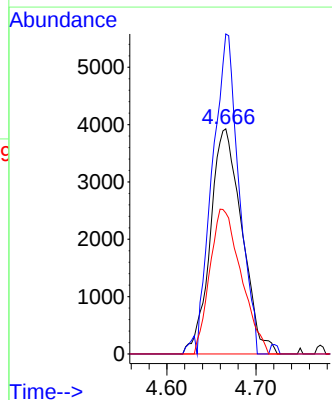
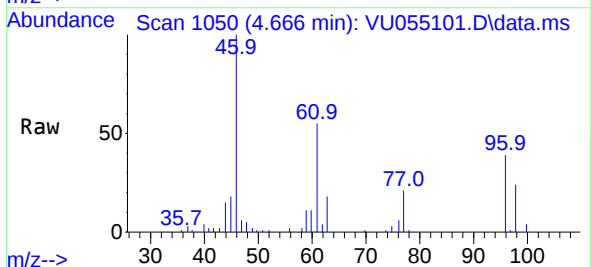
Instrument :
MSVOA_U
ClientSampleId :
BH4C1

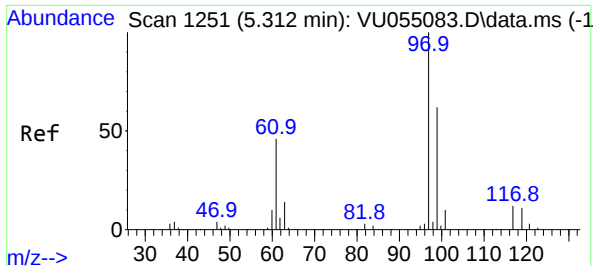
Tgt Ion: 63 Resp: 5746
Ion Ratio Lower Upper
63 100
65 29.4 22.2 41.2
83 7.2 10.6 19.8#



#22
cis-1,2-Dichloroethene
Concen: 0.981 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VU055101.D
Acq: 05 Sep 2023 18:02

Tgt Ion: 96 Resp: 9681
Ion Ratio Lower Upper
96 100
61 142.1 97.2 180.4
98 62.6 46.1 85.7



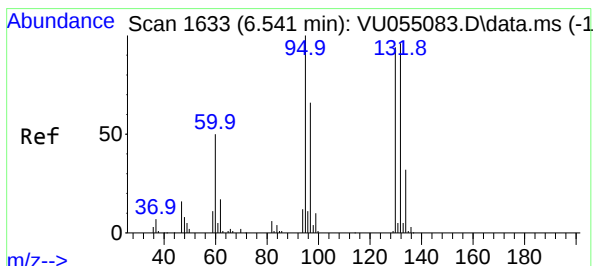
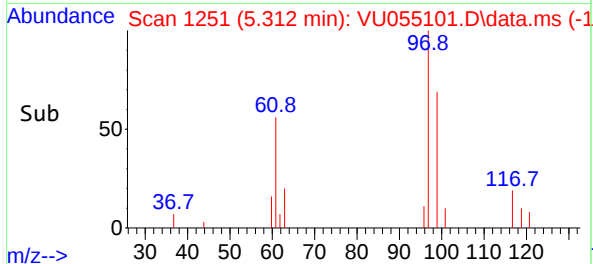
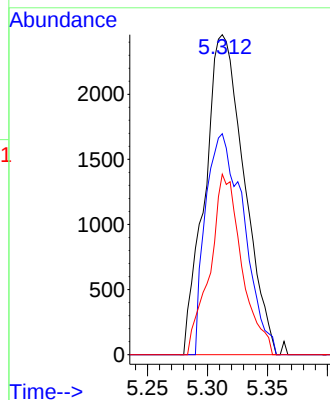
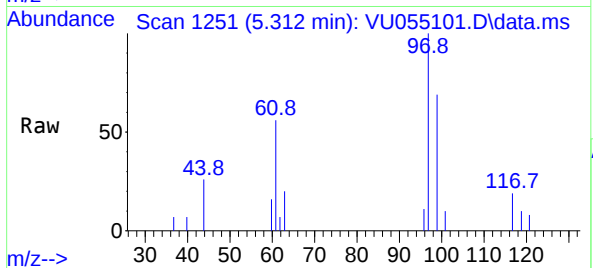


#29
1,1,1-Trichloroethane
Concen: 0.368 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055101.D
Acq: 05 Sep 2023 18:02

Instrument :
MSVOA_U
ClientSampleId :
BH4C1

Tgt Ion: 97 Resp: 5602

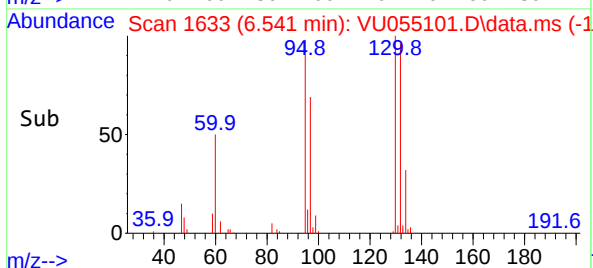
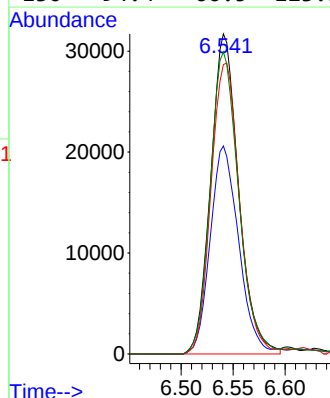
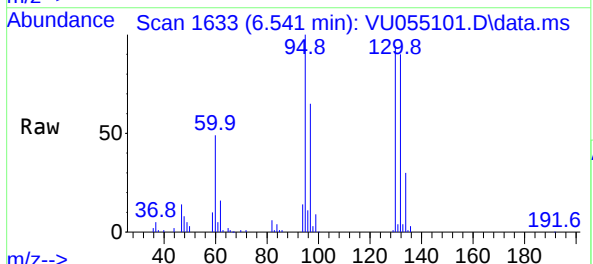
Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.8	77.8
61	45.7	36.8	55.2

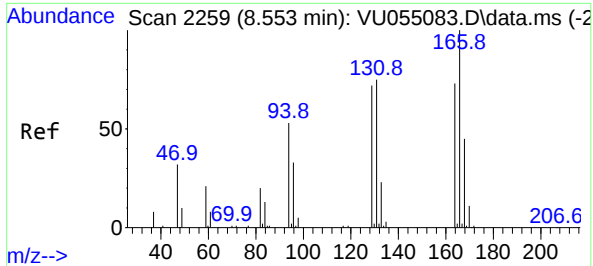


#34
Trichloroethene
Concen: 5.676 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055101.D
Acq: 05 Sep 2023 18:02

Tgt Ion: 95 Resp: 59123

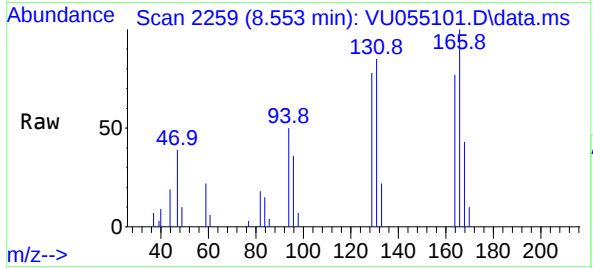
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.7	83.1
132	90.5	66.6	123.6
130	94.4	66.5	123.5





#47
 Tetrachloroethene
 Concen: 0.566 ug/L
 RT: 8.553 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU055101.D
 Acq: 05 Sep 2023 18:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C1



Tgt Ion:164 Resp: 4073

Ion	Ratio	Lower	Upper
164	100		
129	101.5	69.2	128.6
131	109.9	68.8	127.8
166	129.4	92.3	171.5

