

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055102.D
 Acq On : 05 Sep 2023 18:26
 Operator : MD/SY
 Sample : 04250-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C2

Quant Time: Sep 06 02:19:51 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)

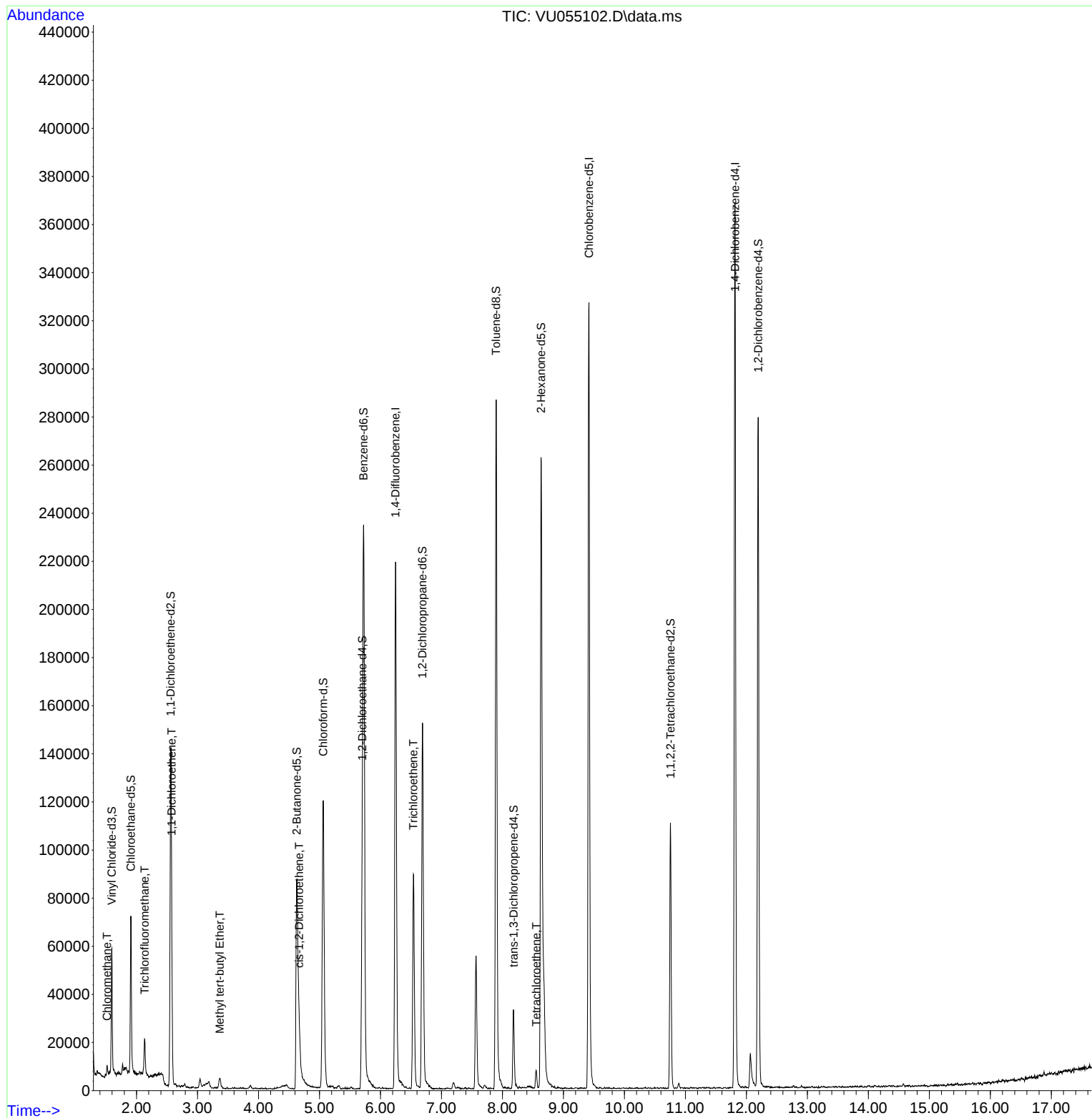
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	174225	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	177373	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	93041	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	38145	4.671	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.907	69	46169	4.885	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.560	65	23209	4.988	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.800%
20) 2-Butanone-d5	4.628	46	140258	59.191	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.380%
24) Chloroform-d	5.062	84	108771	5.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	5.701	65	59489	5.488	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.800%
32) Benzene-d6	5.724	84	216730	4.950	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.689	67	74231	5.331	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.600%
41) Toluene-d8	7.897	98	190095	4.713	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	8.184	79	18448	4.811	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.634	63	82910	53.253	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.500%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	52797	5.391	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	70676	5.204	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	3378	0.328	ug/L	96
9) Trichlorofluoromethane	2.132	101	8744	0.553	ug/L	94
12) 1,1-Dichloroethene	2.576	96	12752	1.583	ug/L #	40
17) Methyl tert-butyl Ether	3.364	73	4424	0.209	ug/L #	66
22) cis-1,2-Dichloroethene	4.666	96	5193	0.519	ug/L	99
34) Trichloroethene	6.541	95	29313	2.794	ug/L	98
47) Tetrachloroethene	8.557	164	1420	0.196	ug/L	90

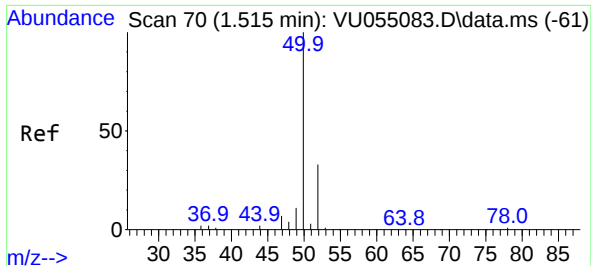
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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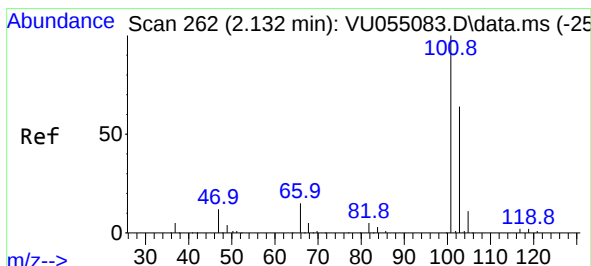
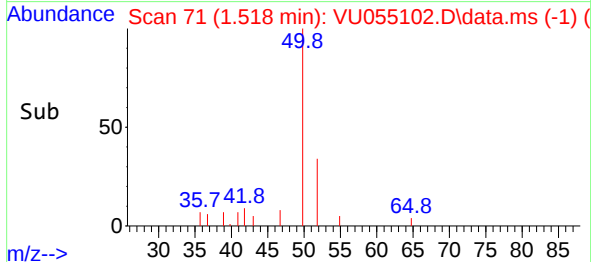
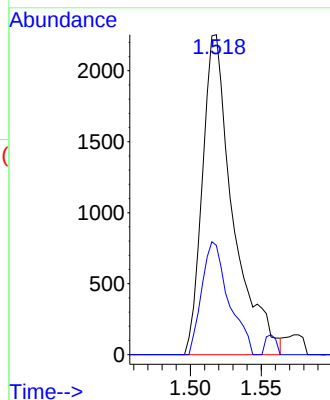
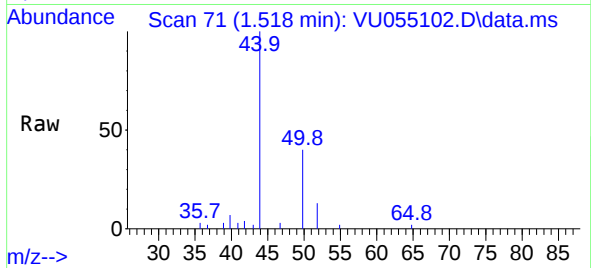




#3
Chloromethane
Concen: 0.328 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU055102.D
Acq: 05 Sep 2023 18:26

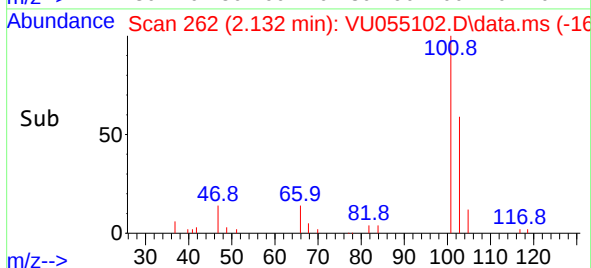
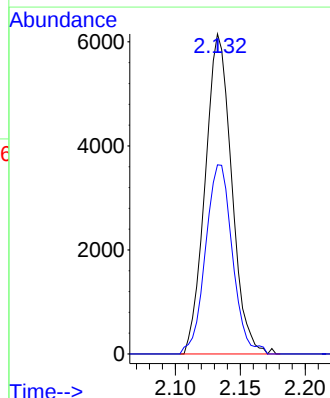
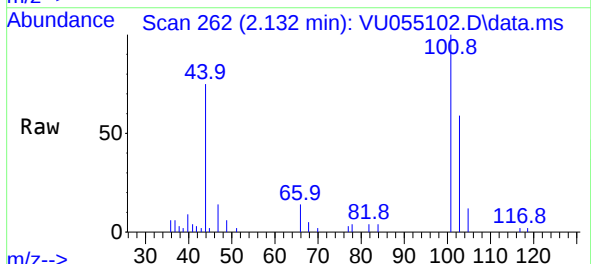
Instrument :
MSVOA_U
ClientSampleId :
BH4C2

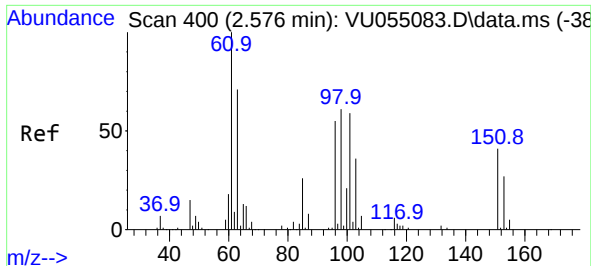
Tgt Ion: 50 Resp: 3378
Ion Ratio Lower Upper
50 100
52 34.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 0.553 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU055102.D
Acq: 05 Sep 2023 18:26

Tgt Ion: 101 Resp: 8744
Ion Ratio Lower Upper
101 100
103 60.0 51.9 77.9





#12

1,1-Dichloroethene

Concen: 1.583 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU055102.D

Acq: 05 Sep 2023 18:26

Instrument :

MSVOA_U

ClientSampleId :

BH4C2

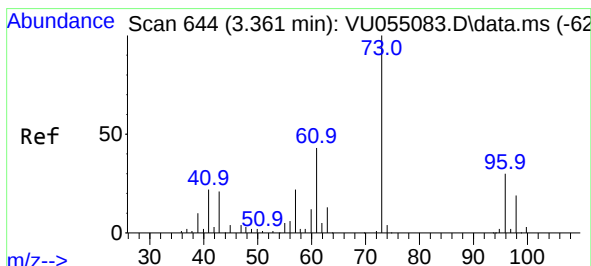
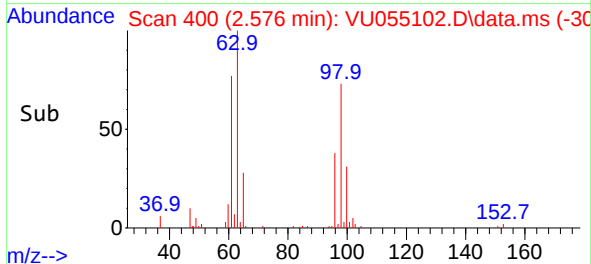
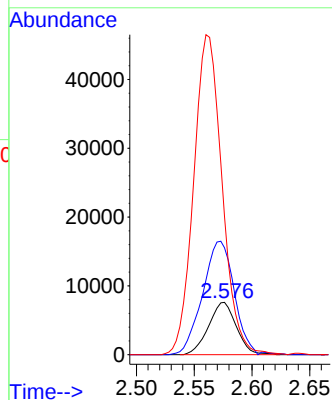
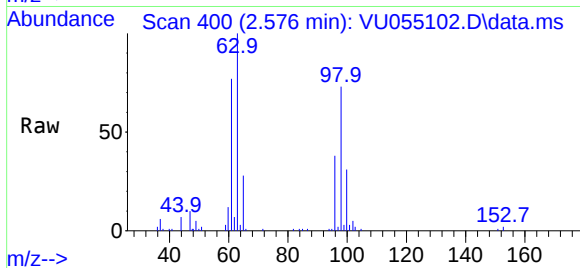
Tgt Ion: 96 Resp: 12752

Ion Ratio Lower Upper

96 100

61 204.4 120.8 224.4

63 263.9 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.209 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU055102.D

Acq: 05 Sep 2023 18:26

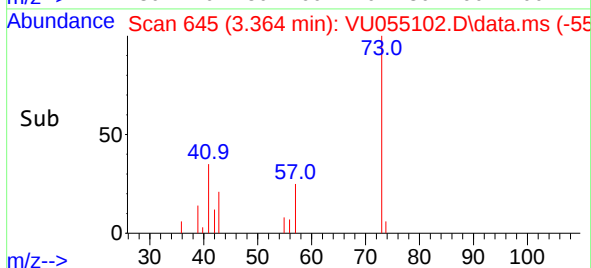
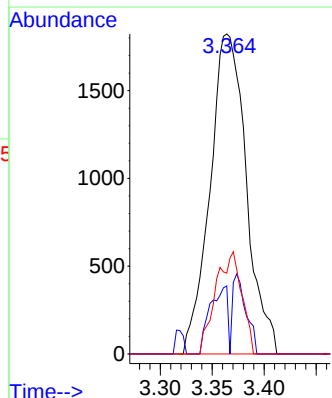
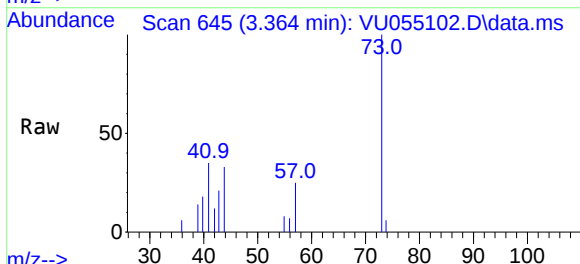
Tgt Ion: 73 Resp: 4424

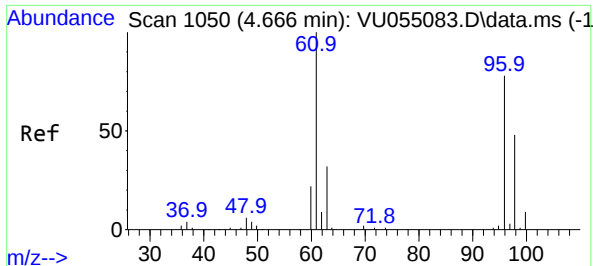
Ion Ratio Lower Upper

73 100

43 10.2 16.2 24.2#

57 0.0 17.4 26.2#

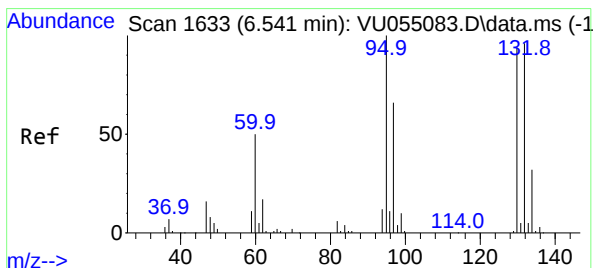
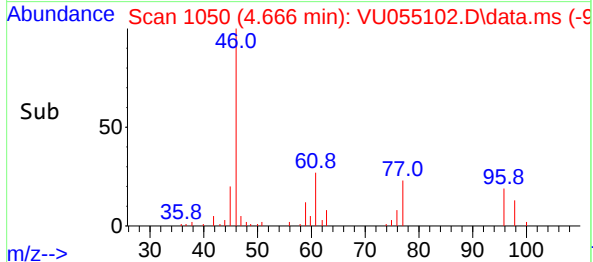
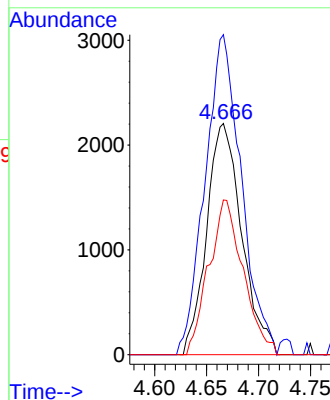
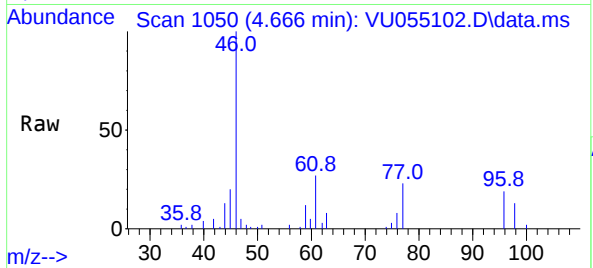




#22
 cis-1,2-Dichloroethene
 Concen: 0.519 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VU055102.D
 Acq: 05 Sep 2023 18:26

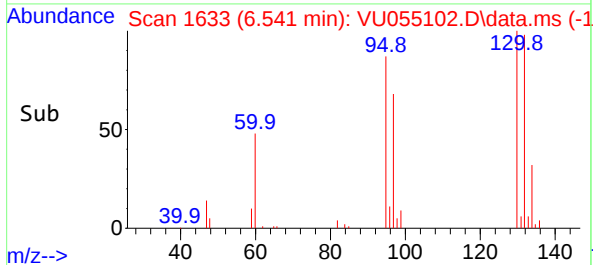
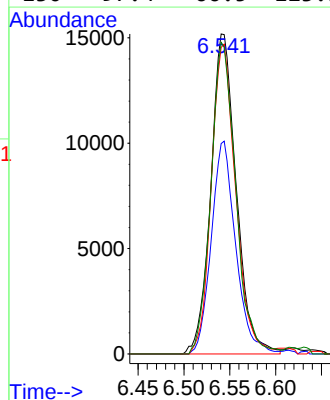
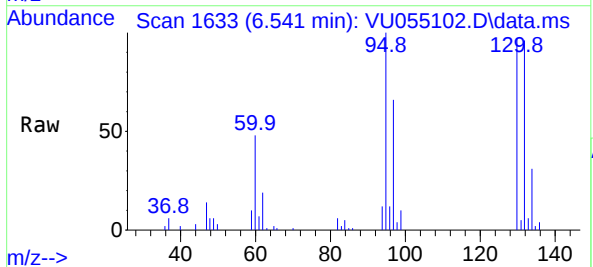
Instrument :
 MSVOA_U
 ClientSampleId :
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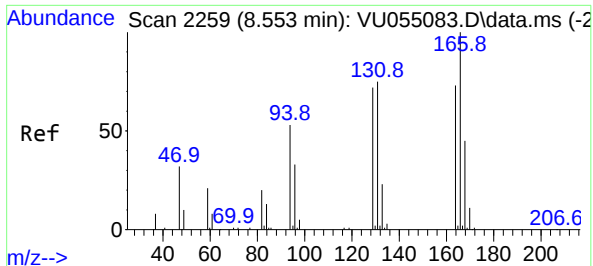
Tgt Ion: 96 Resp: 5193
 Ion Ratio Lower Upper
 96 100
 61 138.4 97.2 180.4
 98 66.9 46.1 85.7



#34
 Trichloroethene
 Concen: 2.794 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. 0.000 min
 Lab File: VU055102.D
 Acq: 05 Sep 2023 18:26

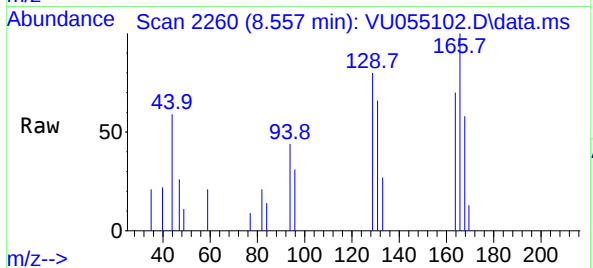
Tgt Ion: 95 Resp: 29313
 Ion Ratio Lower Upper
 95 100
 97 65.8 44.7 83.1
 132 95.8 66.6 123.6
 130 97.4 66.5 123.5





#47
Tetrachloroethene
Concen: 0.196 ug/L
RT: 8.557 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055102.D
Acq: 05 Sep 2023 18:26

Instrument :
MSVOA_U
ClientSampleId :
BH4C2



Tgt Ion:	164	Resp:	1420
Ion	Ratio	Lower	Upper
164	100		
129	114.5	69.2	128.6
131	94.2	68.8	127.8
166	143.1	92.3	171.5

