

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092023\
 Data File : VU055421.D
 Acq On : 20 Sep 2023 13:32
 Operator : MD/SY
 Sample : 04398-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4Q0

Quant Time: Sep 21 00:28:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 21 00:26:15 2023
 Response via : Initial Calibration

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

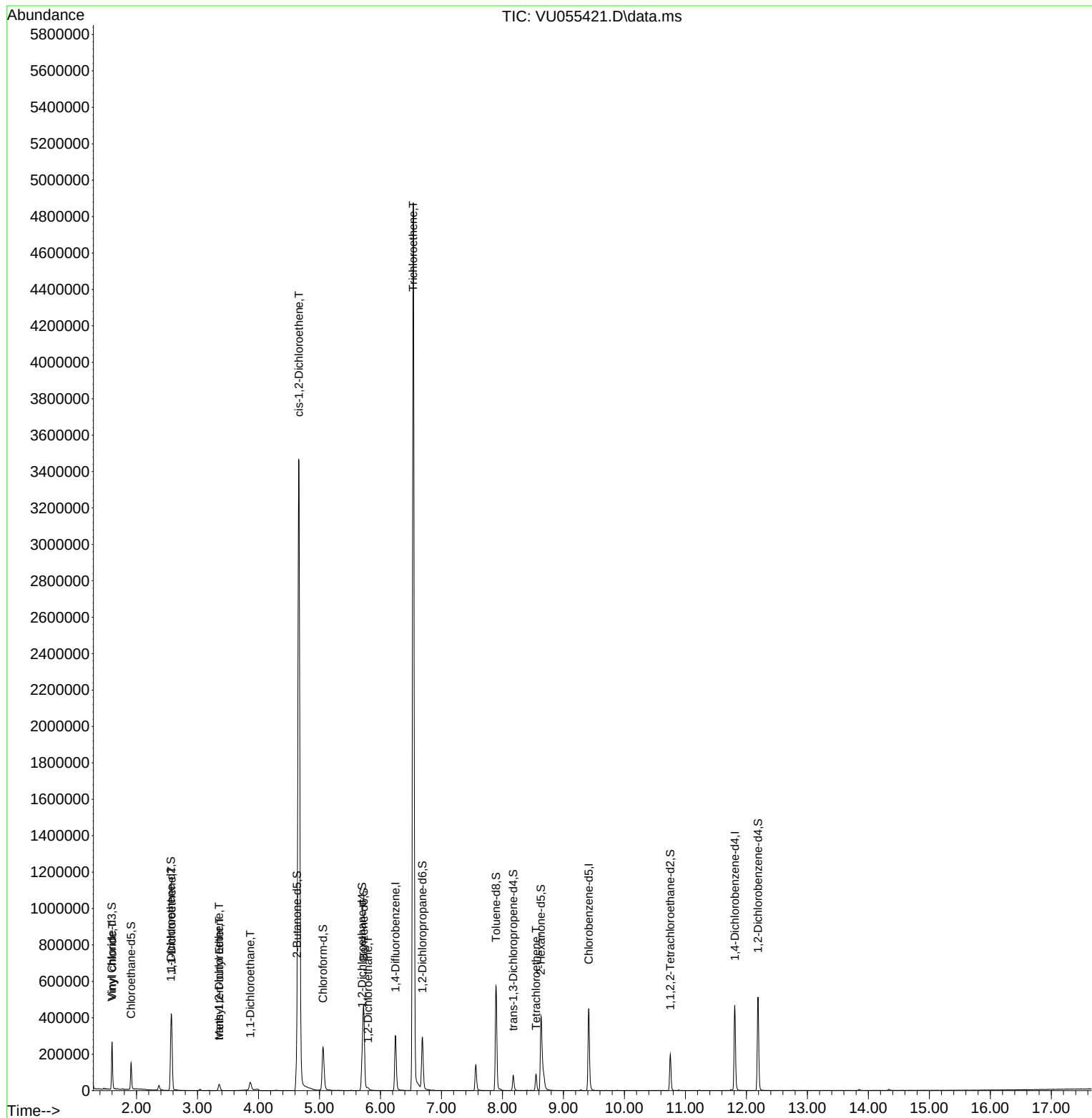
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	249906	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	255498	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	123333	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	111006	4.395	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.911	69	100978	4.537	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.563	65	47397	4.559	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	4.631	46	239987	52.604	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.200%
24) Chloroform-d	5.058	84	222896	4.879	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.698	65	113890	5.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.724	84	456198	5.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
36) 1,2-Dichloropropane-d6	6.689	67	139713	5.232	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.600%
41) Toluene-d8	7.894	98	392913	4.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.177	79	48379	5.163	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.200%
46) 2-Hexanone-d5	8.631	63	126976	44.549	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.100%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	97764	4.885	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	138060	5.546	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	84378	3.654	ug/L	96
12) 1,1-Dichloroethene	2.576	96	88958	5.091	ug/L	96
17) Methyl tert-butyl Ether	3.357	73	20353	0.537	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	7931	0.450	ug/L	98
19) 1,1-Dichloroethane	3.865	63	47940	1.472	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	1839011	90.067	ug/L	99
27) 1,2-Dichloroethane	5.795	62	9244	0.437	ug/L #	94
34) Trichloroethene	6.537	95	1696813	81.573	ug/L	98
47) Tetrachloroethene	8.553	164	19058	1.277	ug/L	96

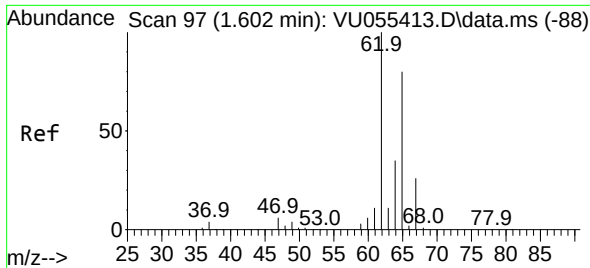
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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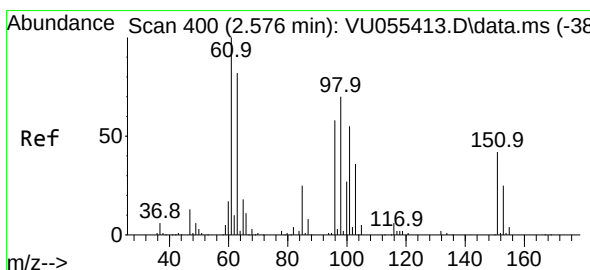
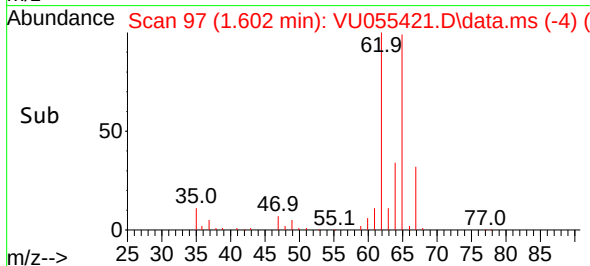
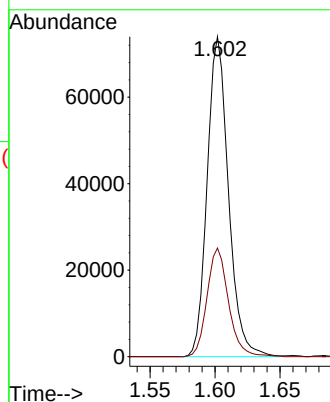
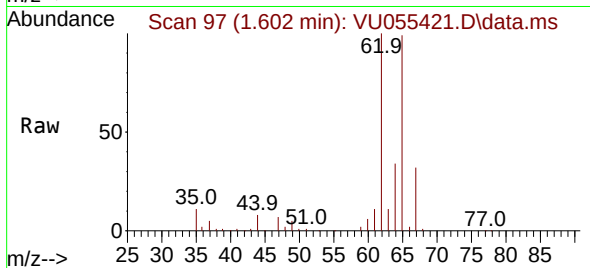




#5
 Vinyl chloride
 Concen: 3.654 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055421.D
 Acq: 20 Sep 2023 13:32

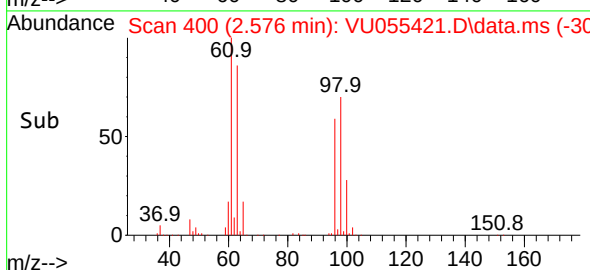
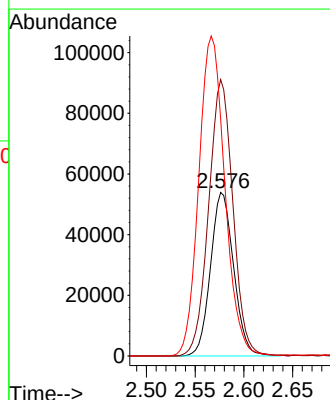
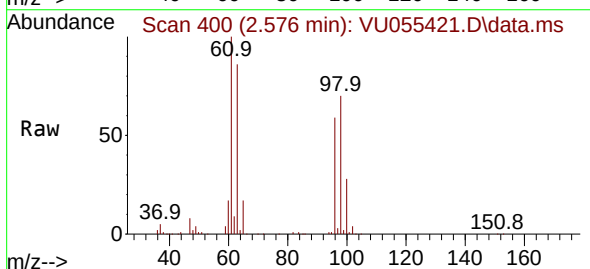
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4Q0

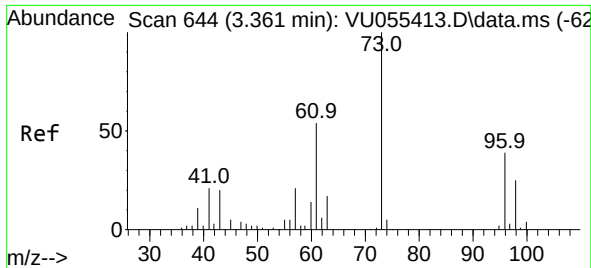
Tgt Ion: 62 Resp: 84378
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 5.091 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055421.D
 Acq: 20 Sep 2023 13:32

Tgt Ion: 96 Resp: 88958
 Ion Ratio Lower Upper
 96 100
 61 169.0 114.5 212.7
 63 144.7 98.3 182.5

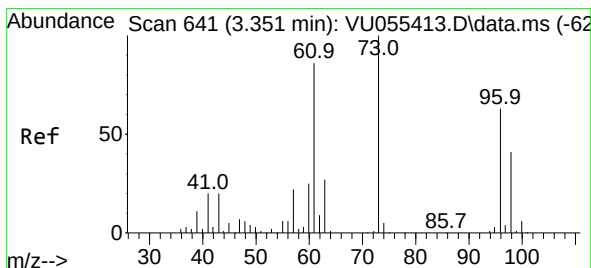
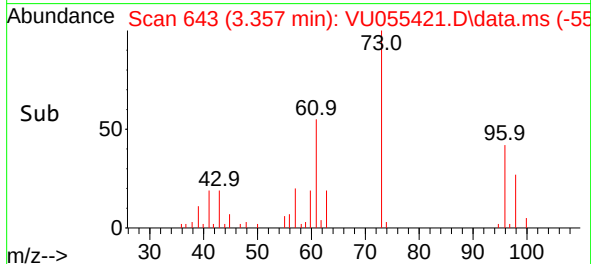
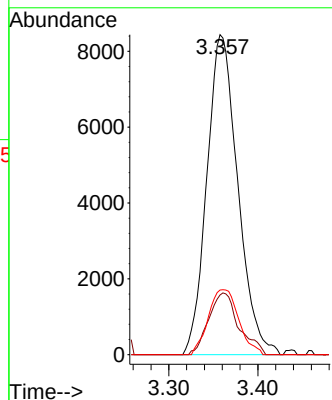
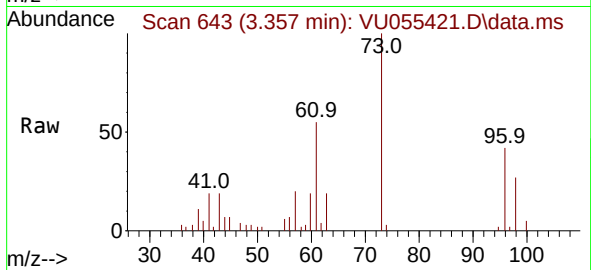




#17
Methyl tert-butyl Ether
Concen: 0.537 ug/L
RT: 3.357 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

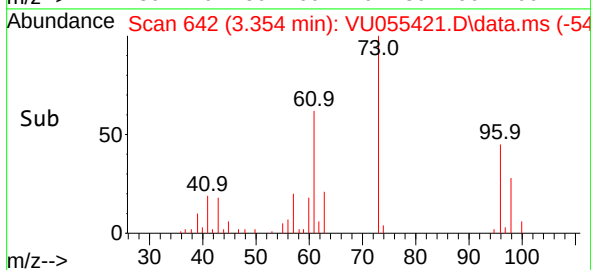
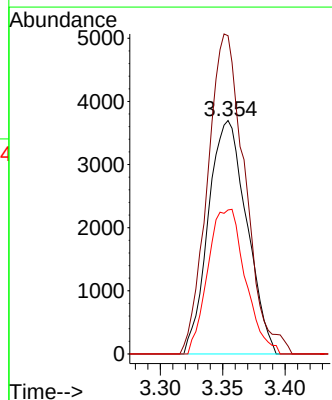
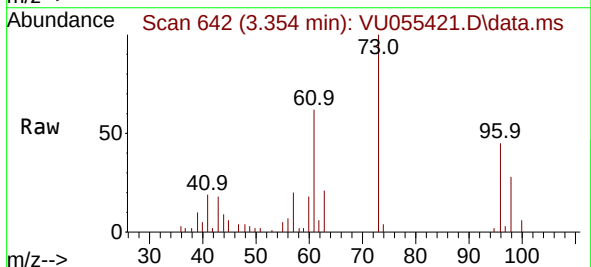
Instrument :
MSVOA_U
ClientSampleId :
BH4Q0

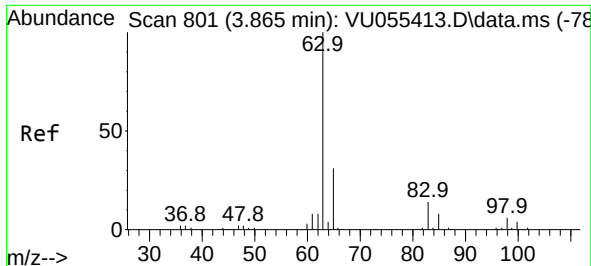
Tgt Ion: 73	Resp: 20353
Ion Ratio	Lower Upper
73 100	
43 18.9	14.9 22.3
57 20.0	17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 0.450 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

Tgt Ion: 96	Resp: 7931		
Ion Ratio	Lower	Upper	
96 100			
61 136.4	94.6	175.6	
98 61.7	45.7	84.9	





#19

1,1-Dichloroethane

Concen: 1.472 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055421.D

Acq: 20 Sep 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

BH4Q0

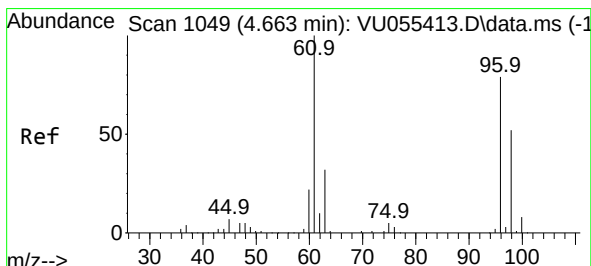
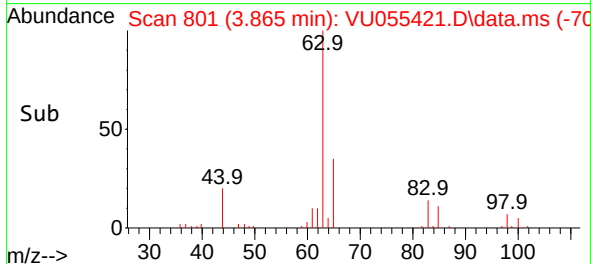
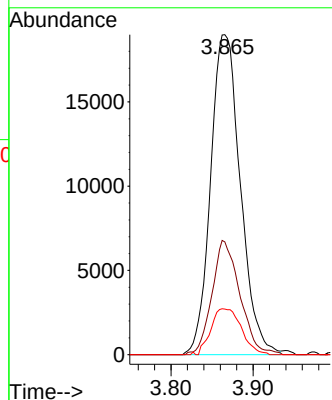
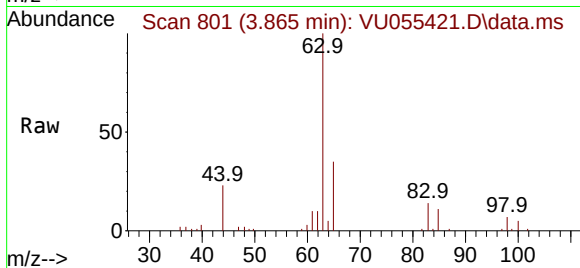
Tgt Ion: 63 Resp: 47940

Ion Ratio Lower Upper

63 100

65 35.2 22.0 41.0

83 14.3 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 90.067 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055421.D

Acq: 20 Sep 2023 13:32

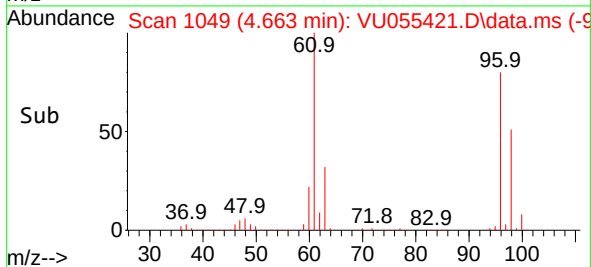
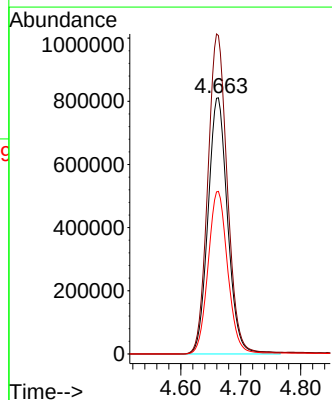
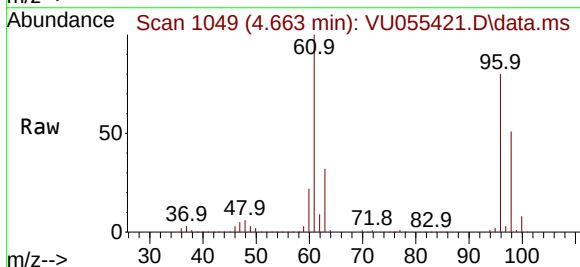
Tgt Ion: 96 Resp: 1839011

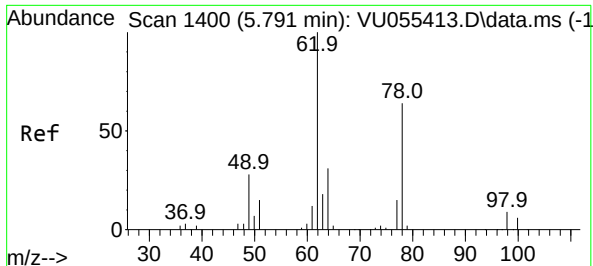
Ion Ratio Lower Upper

96 100

61 124.3 87.8 163.2

98 63.4 44.4 82.4

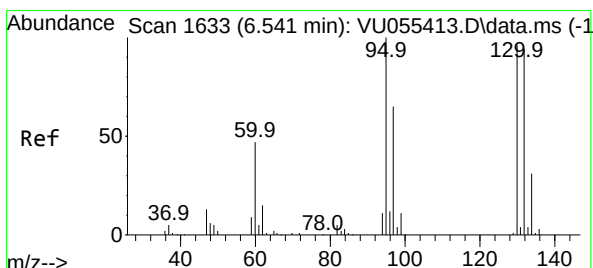
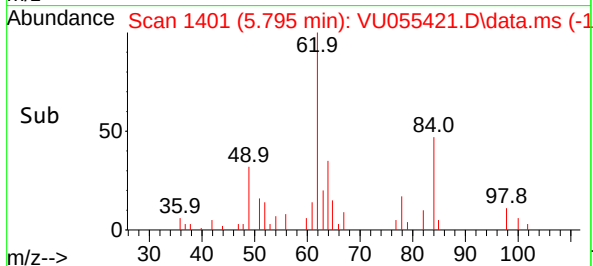
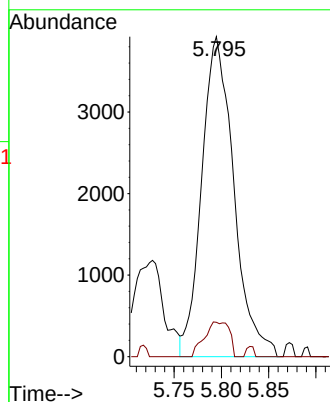
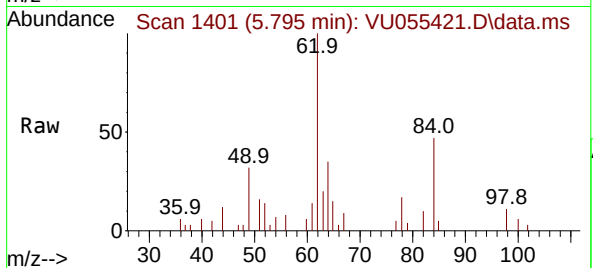




#27
1,2-Dichloroethane
Concen: 0.437 ug/L
RT: 5.795 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

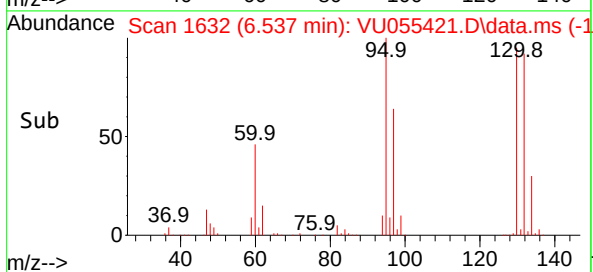
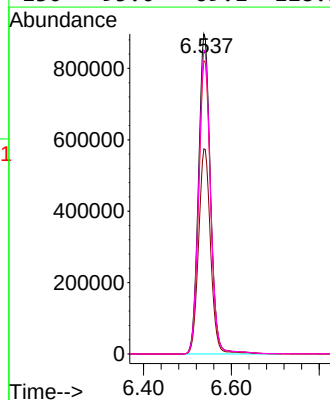
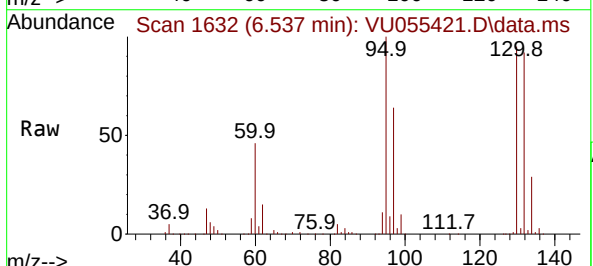
Instrument :
MSVOA_U
ClientSampleId :
BH4Q0

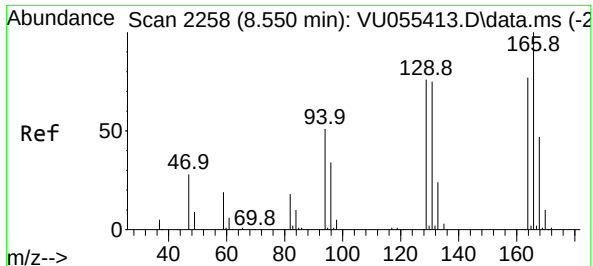
Tgt Ion: 62 Resp: 9244
Ion Ratio Lower Upper
62 100
98 10.8 7.0 10.4#



#34
Trichloroethene
Concen: 81.573 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

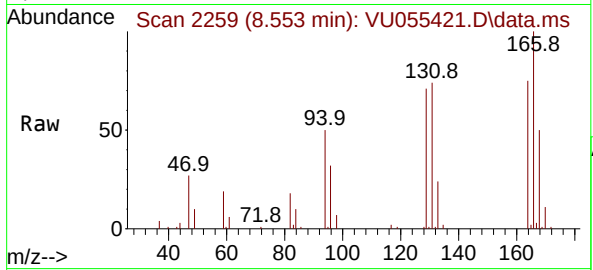
Tgt Ion: 95 Resp: 1696813
Ion Ratio Lower Upper
95 100
97 64.1 45.4 84.2
132 91.6 65.2 121.2
130 95.0 69.1 128.3





#47
 Tetrachloroethene
 Concen: 1.277 ug/L
 RT: 8.553 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU055421.D
 Acq: 20 Sep 2023 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4Q0



Tgt Ion:	164	Resp:	19058
Ion	Ratio	Lower	Upper
164	100		
129	94.7	67.4	125.2
131	99.1	66.4	123.2
166	133.7	88.8	165.0

