

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111023\
 Data File : VU056188.D
 Acq On : 10 Nov 2023 22:36
 Operator : MD/SY
 Sample : 05340-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCDM3

Quant Time: Nov 11 01:43:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 11 00:40:59 2023
 Response via : Initial Calibration

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

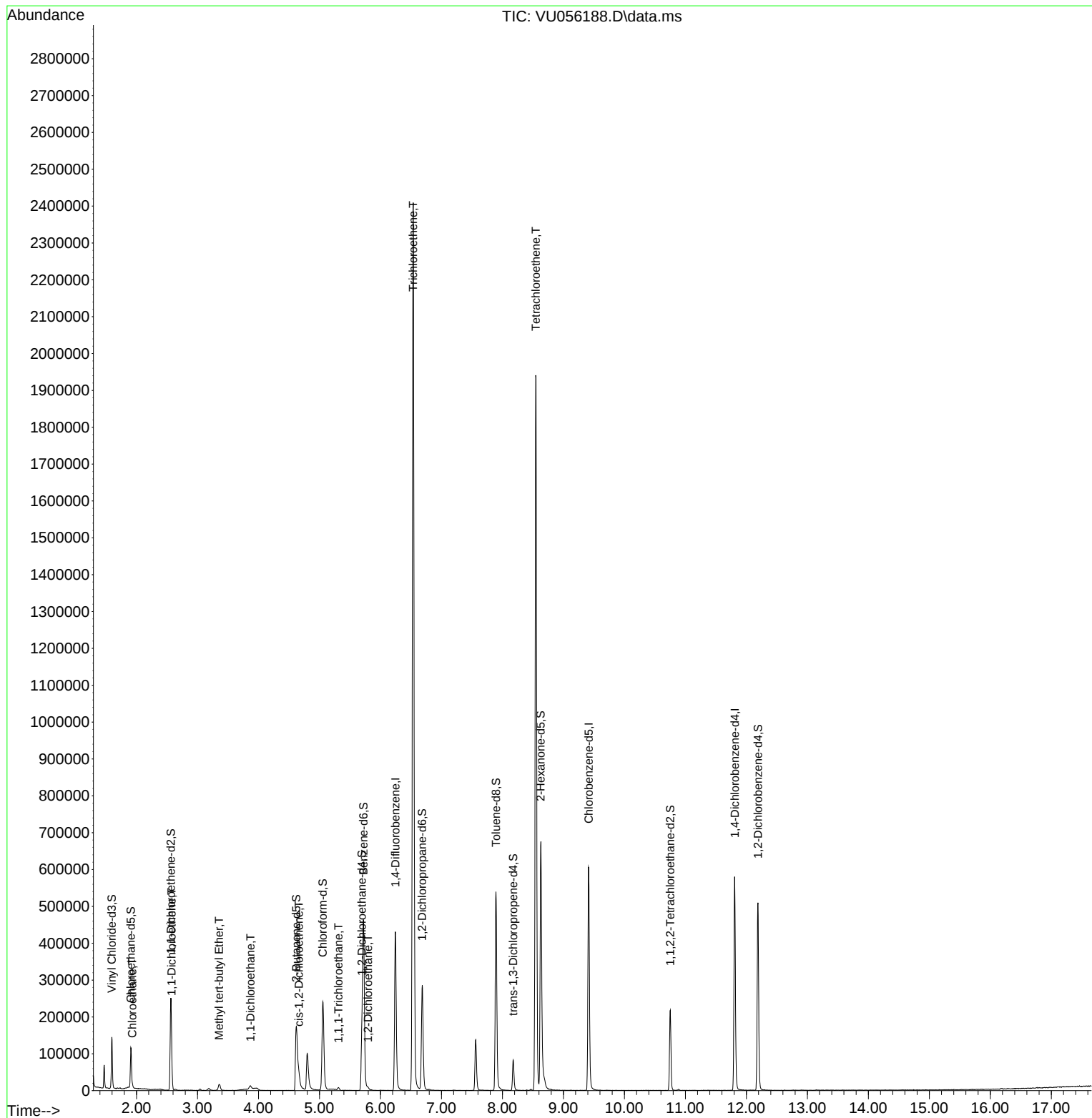
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	364766	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	370393	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	162768	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	101815	4.497	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	90.000%	
7) Chloroethane-d5	1.907	69	80198	5.220	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	104.400%	
11) 1,1-Dichloroethene-d2	2.563	65	46060	4.618	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	92.400%	
20) 2-Butanone-d5	4.621	46	274697	73.955	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	147.900%#	
24) Chloroform-d	5.055	84	230736	5.354	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	107.000%	
26) 1,2-Dichloroethane-d4	5.695	65	113211	5.966	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	119.400%	
32) Benzene-d6	5.721	84	456676	5.134	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.600%	
36) 1,2-Dichloropropane-d6	6.685	67	143273	5.471	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	109.400%	
41) Toluene-d8	7.894	98	380307	4.665	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.400%	
43) trans-1,3-Dichloroprop...	8.177	79	49968	4.992	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	99.800%	
46) 2-Hexanone-d5	8.627	63	240164	73.203	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	146.400%#	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	112786	6.035	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	120.600%#	
66) 1,2-Dichlorobenzene-d4	12.190	152	146838	5.850	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	117.000%	
Target Compounds						Qvalue
8) Chloroethane	1.930	64	2711	0.167	ug/L	99
12) 1,1-Dichloroethene	2.576	96	7578	0.323	ug/L #	1
17) Methyl tert-butyl Ether	3.354	73	19963	0.378	ug/L	98
19) 1,1-Dichloroethane	3.869	63	9780	0.216	ug/L	92
22) cis-1,2-Dichloroethene	4.663	96	12031	0.449	ug/L	97
27) 1,2-Dichloroethane	5.795	62	4734	0.173	ug/L #	94
29) 1,1,1-Trichloroethane	5.312	97	5758	0.136	ug/L	95
34) Trichloroethene	6.537	95	862822	29.784	ug/L	97
47) Tetrachloroethene	8.547	164	443217	20.385	ug/L	96

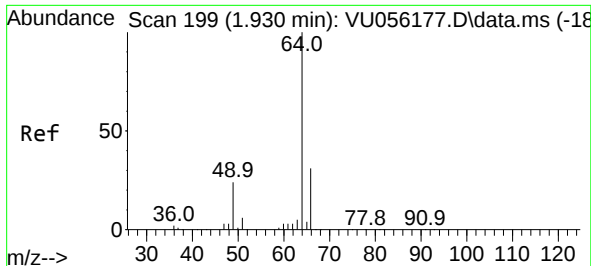
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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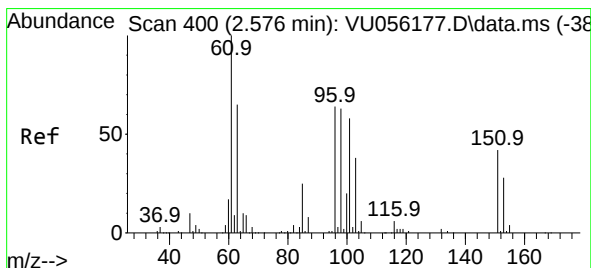
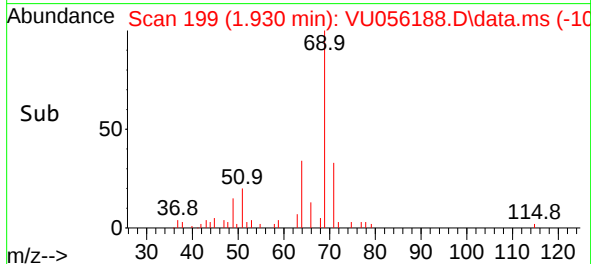
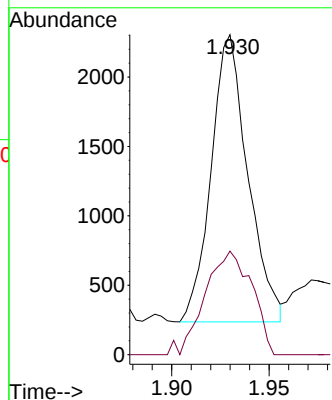
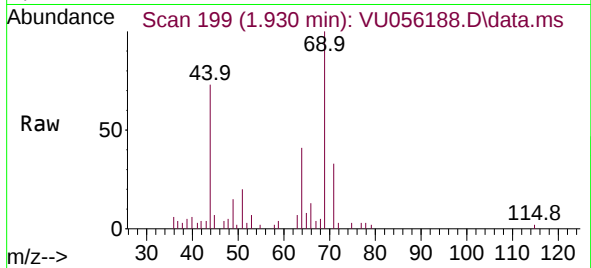




#8
Chloroethane
Concen: 0.167 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056188.D
Acq: 10 Nov 2023 22:36

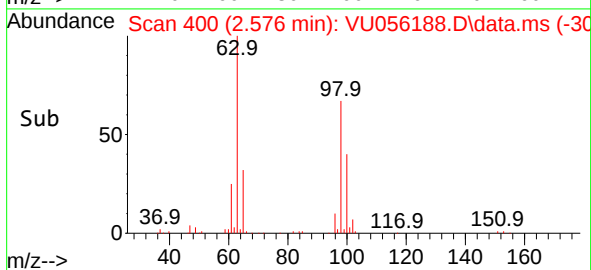
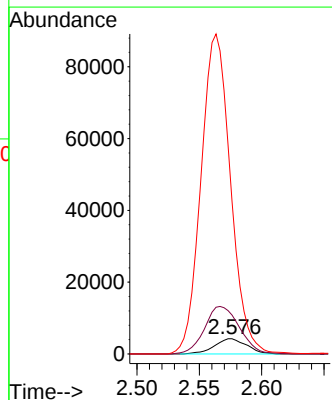
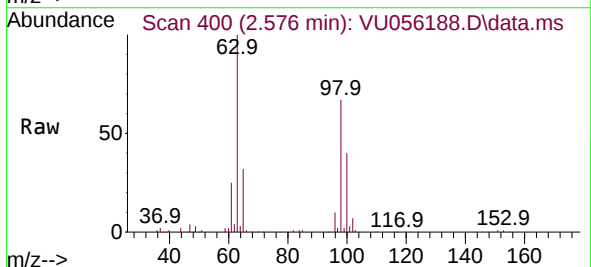
Instrument :
MSVOA_U
ClientSampleId :
GCDM3

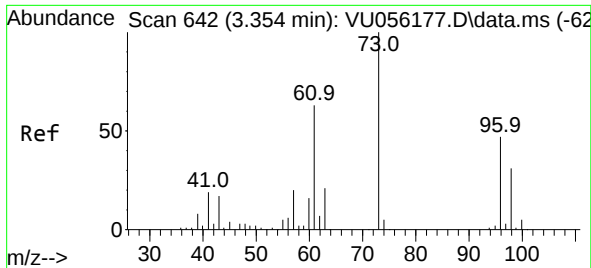
Tgt Ion: 64 Resp: 2711
Ion Ratio Lower Upper
64 100
66 32.4 22.4 41.6



#12
1,1-Dichloroethene
Concen: 0.323 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU056188.D
Acq: 10 Nov 2023 22:36

Tgt Ion: 96 Resp: 7578
Ion Ratio Lower Upper
96 100
61 256.2 111.7 207.5#
63 1005.8 74.5 138.3#

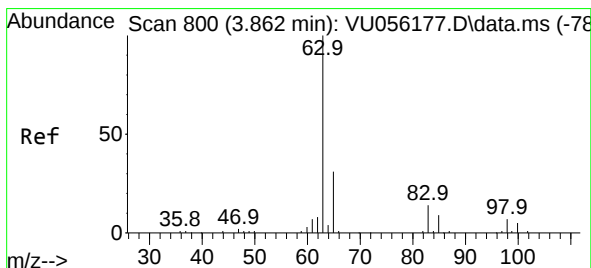
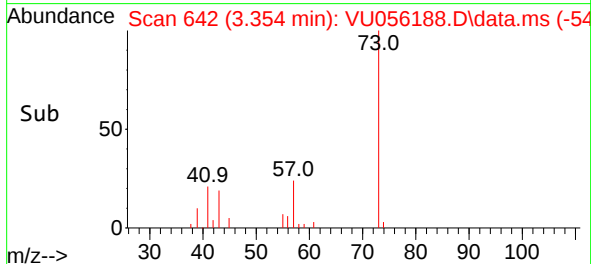
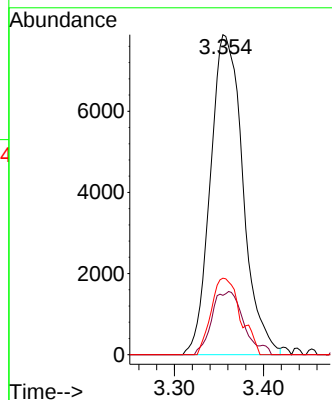
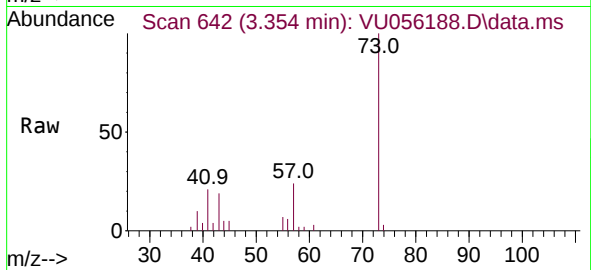




#17
Methyl tert-butyl Ether
Concen: 0.378 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056188.D
Acq: 10 Nov 2023 22:36

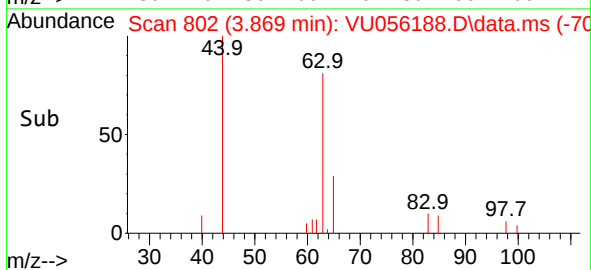
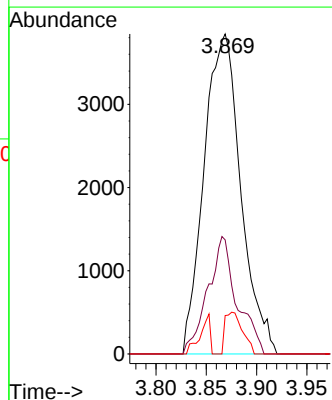
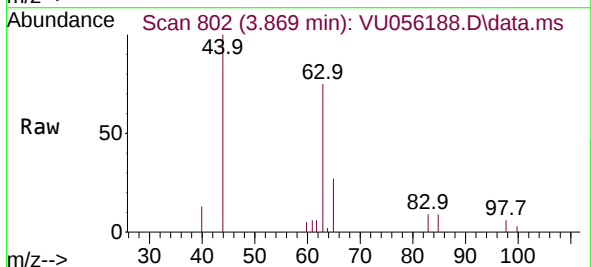
Instrument :
MSVOA_U
ClientSampleId :
GCDM3

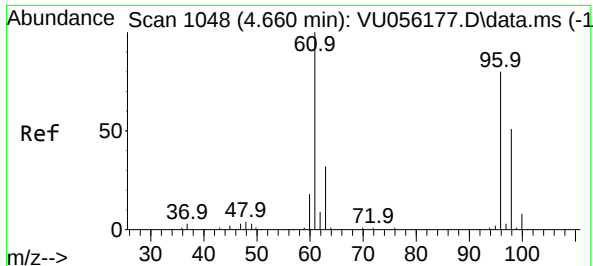
Tgt Ion: 73	Resp:	19963	
Ion	Ratio	Lower	Upper
73	100		
43	19.3	13.6	20.4
57	21.5	17.3	25.9



#19
1,1-Dichloroethane
Concen: 0.216 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.006 min
Lab File: VU056188.D
Acq: 10 Nov 2023 22:36

Tgt Ion: 63	Resp:	9780	
Ion	Ratio	Lower	Upper
63	100		
65	34.7	20.6	38.2
83	11.7	9.6	17.8





#22

cis-1,2-Dichloroethene

Concen: 0.449 ug/L

RT: 4.663 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056188.D

Acq: 10 Nov 2023 22:36

Instrument :

MSVOA_U

ClientSampleId :

GCDM3

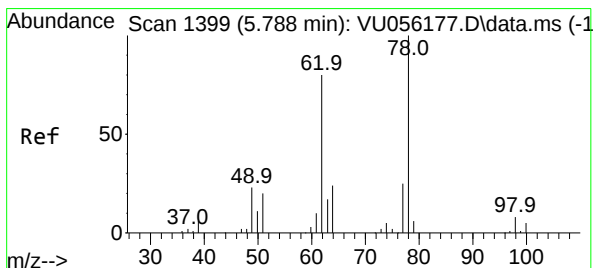
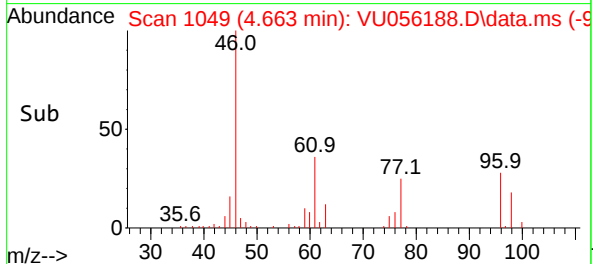
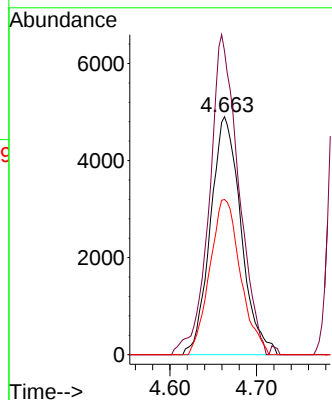
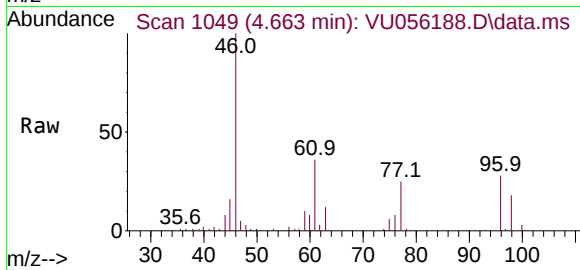
Tgt Ion: 96 Resp: 12031

Ion Ratio Lower Upper

96 100

61 127.6 87.8 163.2

98 65.3 43.5 80.7



#27

1,2-Dichloroethane

Concen: 0.173 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.006 min

Lab File: VU056188.D

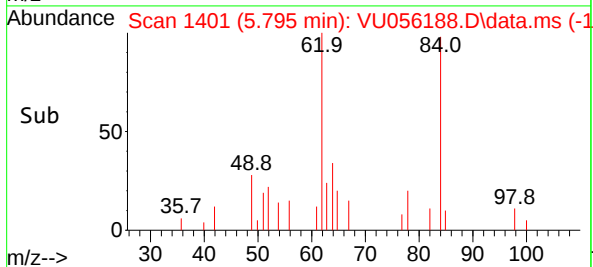
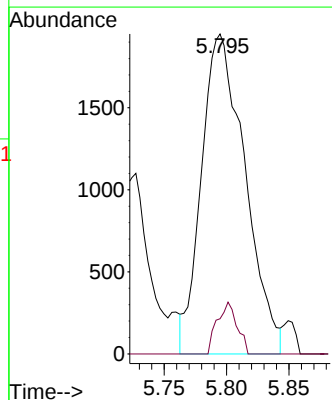
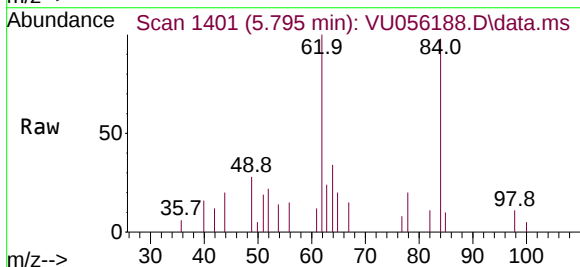
Acq: 10 Nov 2023 22:36

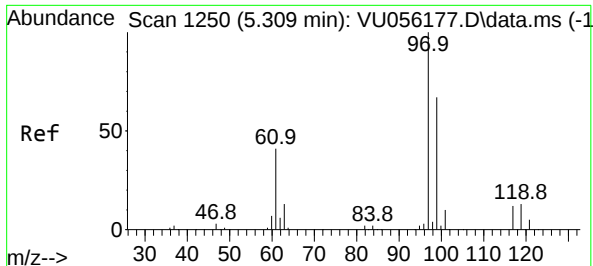
Tgt Ion: 62 Resp: 4734

Ion Ratio Lower Upper

62 100

98 11.0 7.1 10.7#





#29

1,1,1-Trichloroethane

Concen: 0.136 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056188.D

Acq: 10 Nov 2023 22:36

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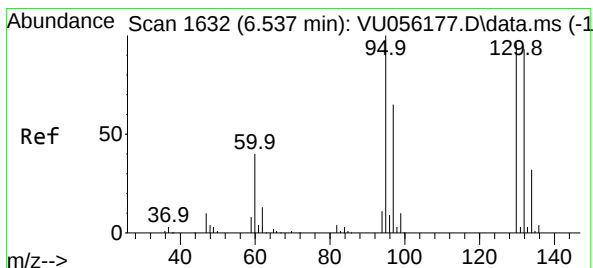
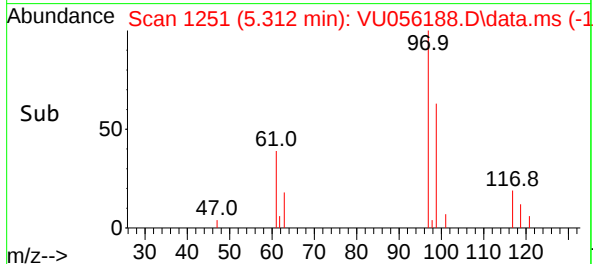
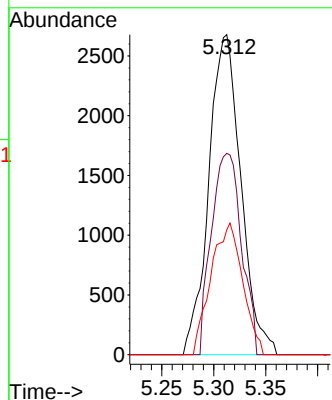
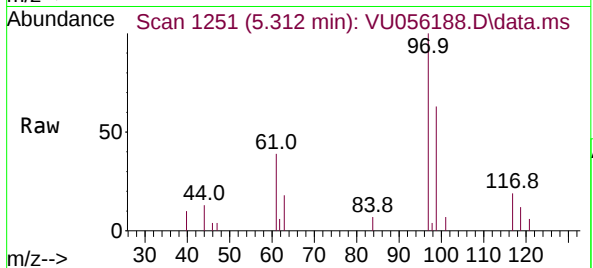
Tgt Ion: 97 Resp: 5758

Ion Ratio Lower Upper

97 100

99 58.9 52.0 78.0

61 40.6 33.4 50.0



#34

Trichloroethene

Concen: 29.784 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VU056188.D

Acq: 10 Nov 2023 22:36

Tgt Ion: 95 Resp: 862822

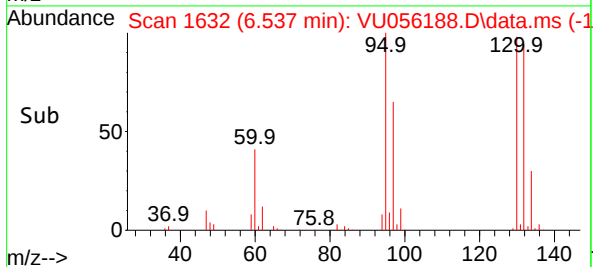
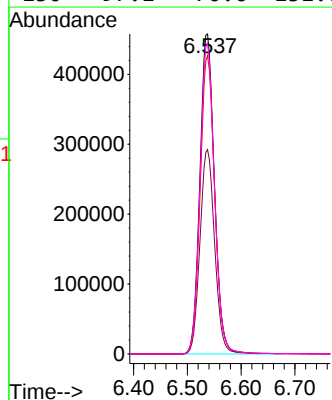
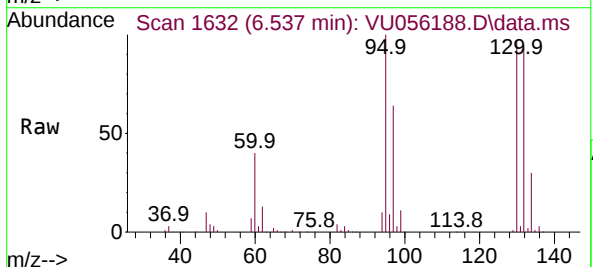
Ion Ratio Lower Upper

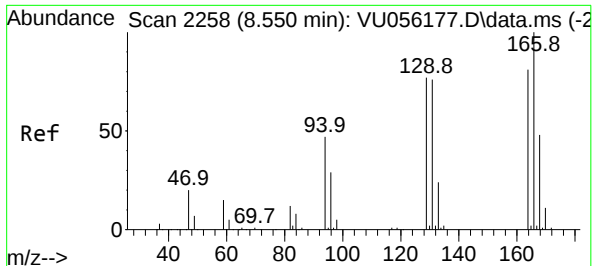
95 100

97 63.9 46.8 87.0

132 93.2 66.5 123.5

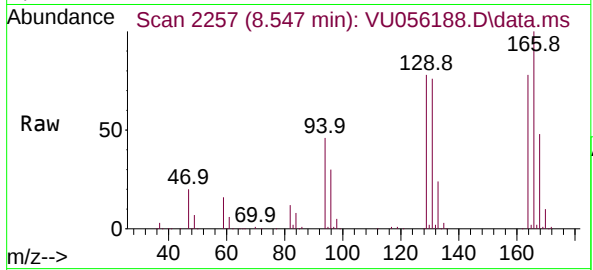
130 97.1 70.6 131.0





#47
Tetrachloroethene
Concen: 20.385 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056188.D
Acq: 10 Nov 2023 22:36

Instrument :
MSVOA_U
ClientSampleId :
GCDM3



Tgt	Ion:164	Resp:	443217
Ion	Ratio	Lower	Upper
164	100		
129	99.7	66.6	123.8
131	98.1	67.8	126.0
166	128.6	85.9	159.5

