

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091323\
 Data File : VU055296.D
 Acq On : 13 Sep 2023 19:57
 Operator : MD/SY
 Sample : 04306-12 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 14 05:08:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 14 05:00:29 2023
 Response via : Initial Calibration

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

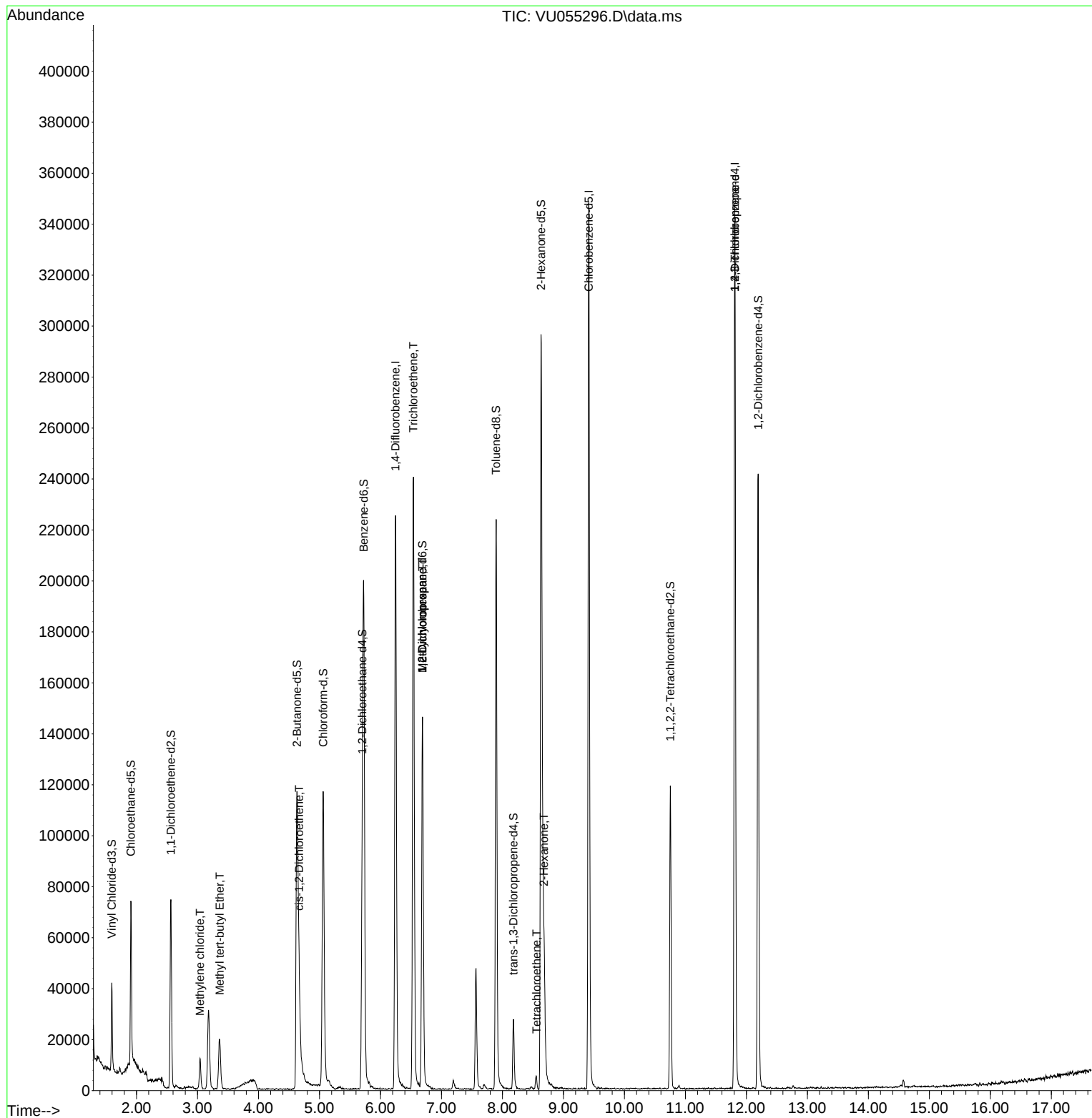
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	185382	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	195031	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	93224	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	23849	2.745	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.800%
7) Chloroethane-d5	1.907	69	45653	4.539	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.563	65	14366	2.902	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.000%#
20) 2-Butanone-d5	4.631	46	176922	70.170	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.340%#
24) Chloroform-d	5.062	84	107235	4.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.701	65	60179	5.217	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.727	84	189425	3.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.688	67	70330	4.593	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.897	98	153598	3.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.200%#
43) trans-1,3-Dichloroprop...	8.180	79	15946	3.782	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.600%
46) 2-Hexanone-d5	8.634	63	95646	55.871	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.740%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	58040	5.390	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	63096	4.637	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
16) Methylene chloride	3.039	84	5676	0.433	ug/L	86
17) Methyl tert-butyl Ether	3.364	73	22310	0.993	ug/L	99
22) cis-1,2-Dichloroethene	4.666	96	2920	0.274	ug/L	94
34) Trichloroethene	6.541	95	83070	7.201	ug/L	96
35) Methylcyclohexane	6.688	83	16674	1.030	ug/L #	19
37) 1,2-Dichloropropane	6.688	63	7918	0.701	ug/L #	88
47) Tetrachloroethene	8.560	164	1085	0.136	ug/L	87
48) 2-Hexanone	8.682	43	30556	6.052	ug/L #	92
61) 1,2,3-Trichloropropane	11.810	75	12698	2.053	ug/L #	69

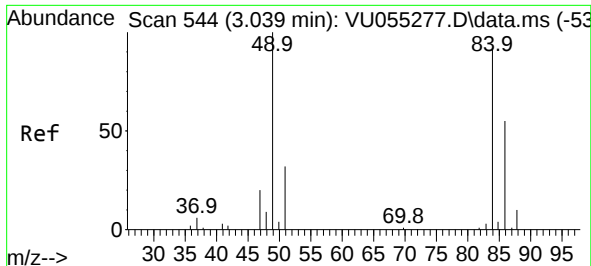
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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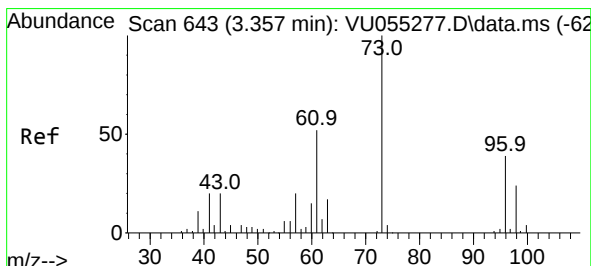
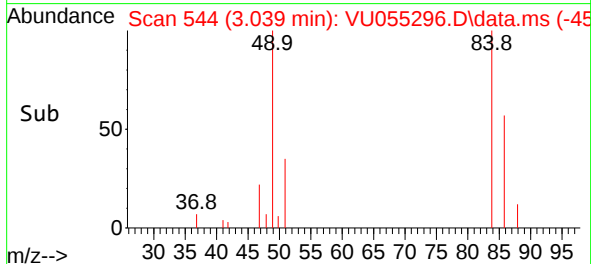
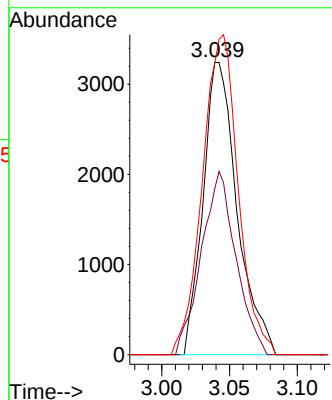
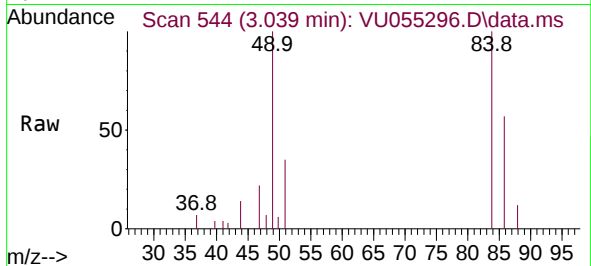




#16
Methylene chloride
Concen: 0.433 ug/L
RT: 3.039 min Scan# 54
Delta R.T. -0.000 min
Lab File: VU055296.D
Acq: 13 Sep 2023 19:57

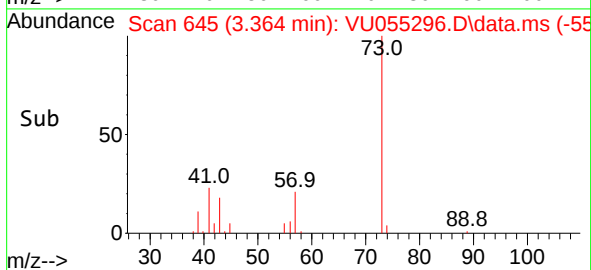
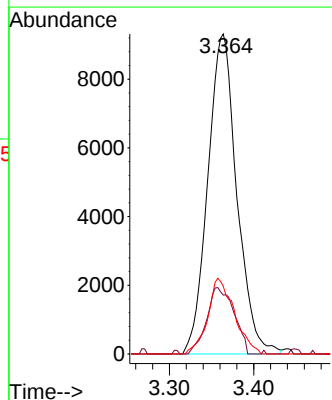
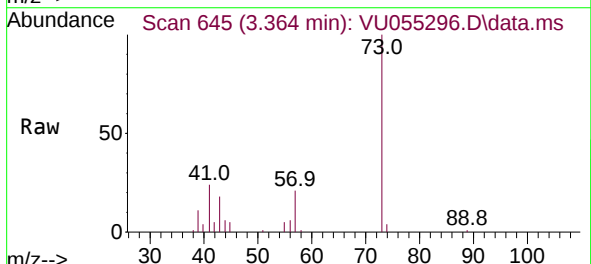
Instrument :
MSVOA_U
ClientSampleId :

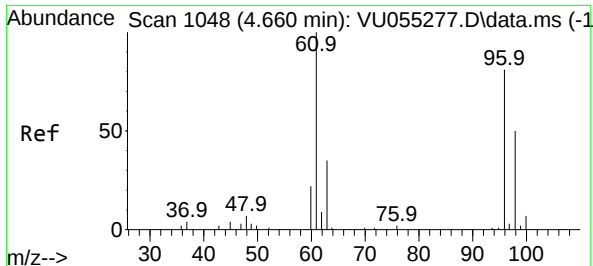
Tgt Ion: 84 Resp: 5676
Ion Ratio Lower Upper
84 100
86 56.8 43.4 80.6
49 105.2 87.7 162.9



#17
Methyl tert-butyl Ether
Concen: 0.993 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.006 min
Lab File: VU055296.D
Acq: 13 Sep 2023 19:57

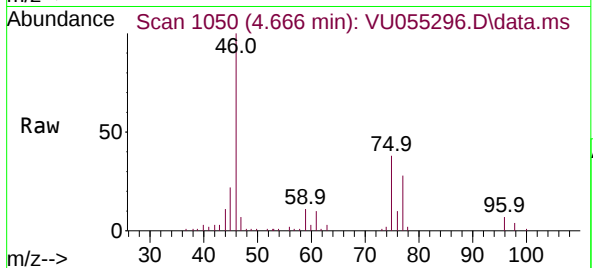
Tgt Ion: 73 Resp: 22310
Ion Ratio Lower Upper
73 100
43 19.5 16.2 24.2
57 21.6 17.4 26.2



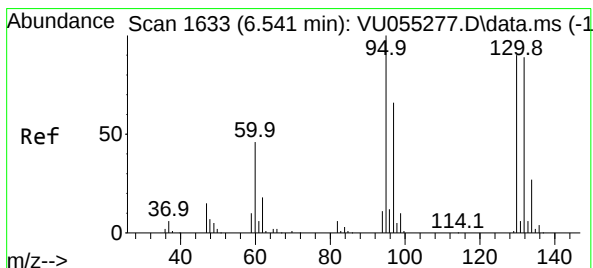
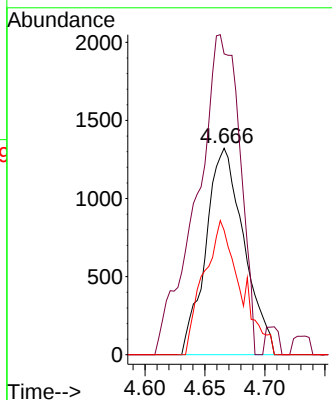
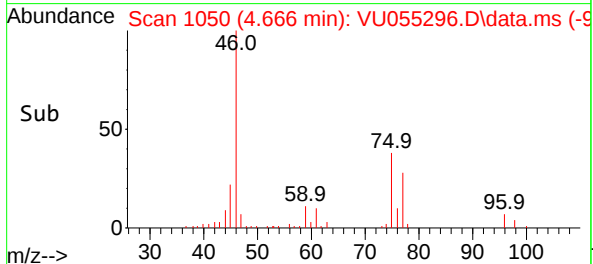


#22
 cis-1,2-Dichloroethene
 Concen: 0.274 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.006 min
 Lab File: VU055296.D
 Acq: 13 Sep 2023 19:57

Instrument :
 MSVOA_U
 ClientSampleId :

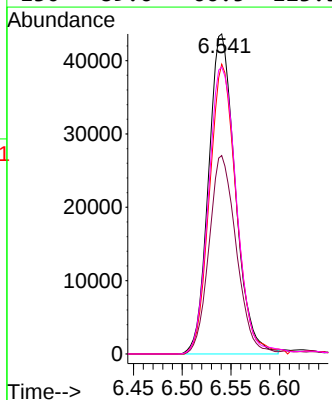
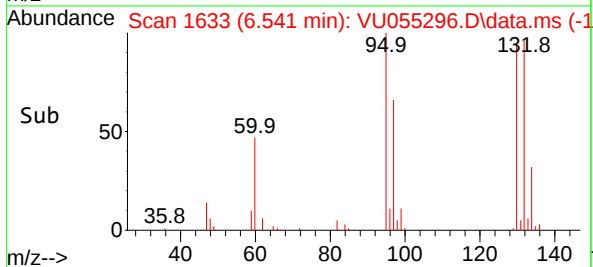
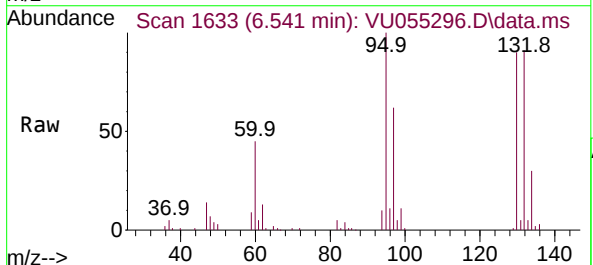


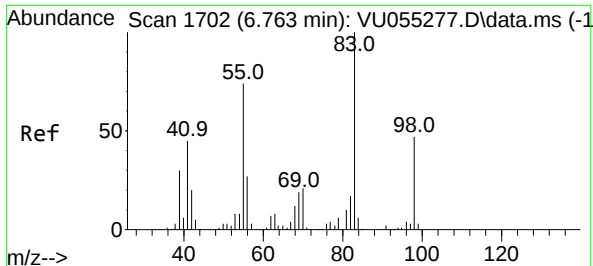
Tgt Ion: 96 Resp: 2920
 Ion Ratio Lower Upper
 96 100
 61 145.7 97.2 180.4
 98 60.2 46.1 85.7



#34
 Trichloroethene
 Concen: 7.201 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. -0.000 min
 Lab File: VU055296.D
 Acq: 13 Sep 2023 19:57

Tgt Ion: 95 Resp: 83070
 Ion Ratio Lower Upper
 95 100
 97 62.0 44.7 83.1
 132 90.6 66.6 123.6
 130 89.6 66.5 123.5





#35

Methylcyclohexane

Concen: 1.030 ug/L

RT: 6.688 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU055296.D

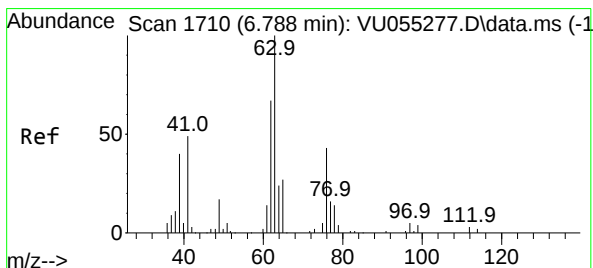
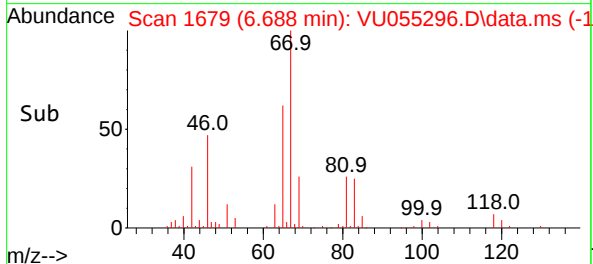
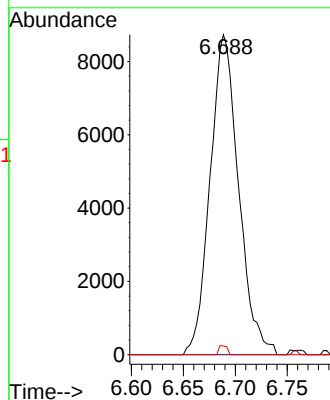
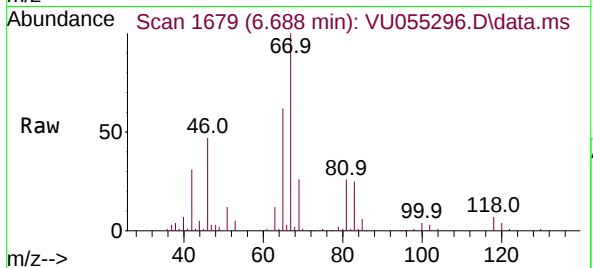
Acq: 13 Sep 2023 19:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	16674
Ion	Ratio	Lower	Upper
83	100		
55	0.2	60.4	90.6#
98	0.0	35.3	52.9#



#37

1,2-Dichloropropane

Concen: 0.701 ug/L

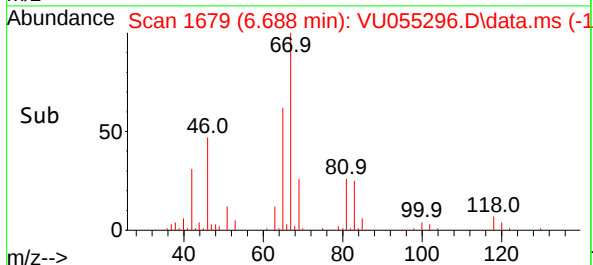
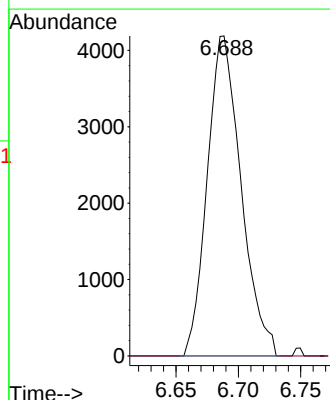
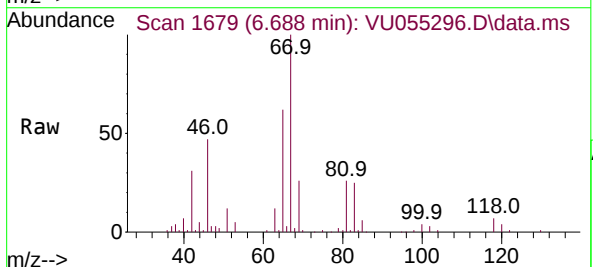
RT: 6.688 min Scan# 1679

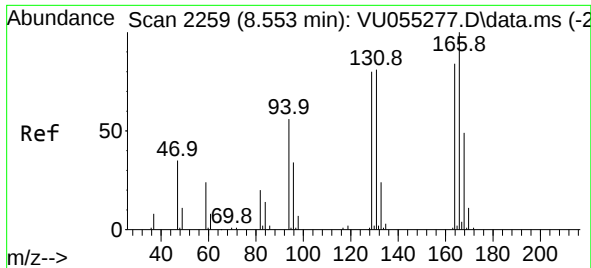
Delta R.T. -0.100 min

Lab File: VU055296.D

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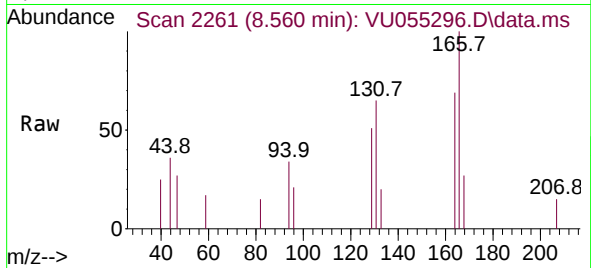
Tgt Ion:	63	Resp:	7918
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#



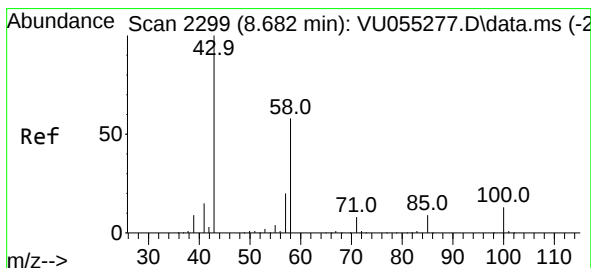
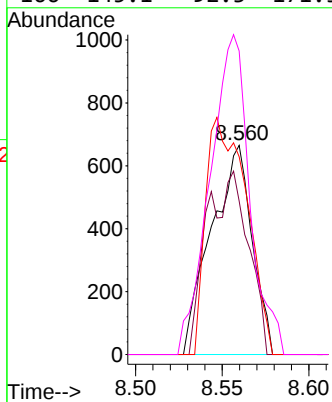
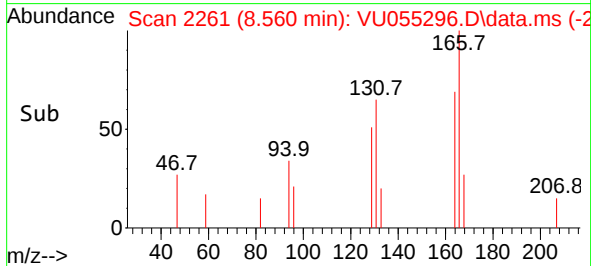


#47
Tetrachloroethene
Concen: 0.136 ug/L
RT: 8.560 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU055296.D
Acq: 13 Sep 2023 19:57

Instrument :
MSVOA_U
ClientSampleId :

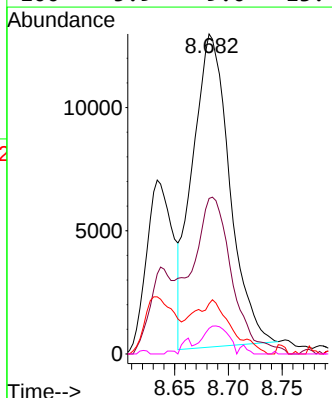
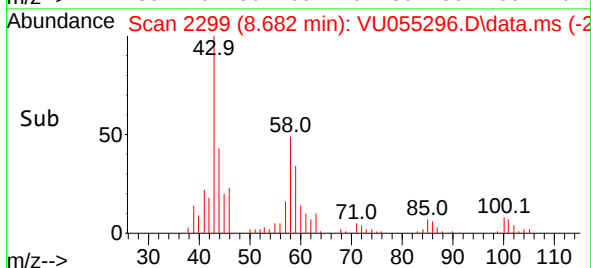
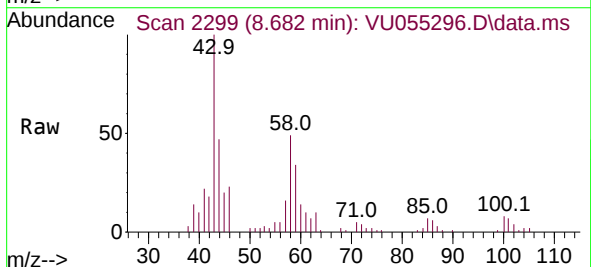


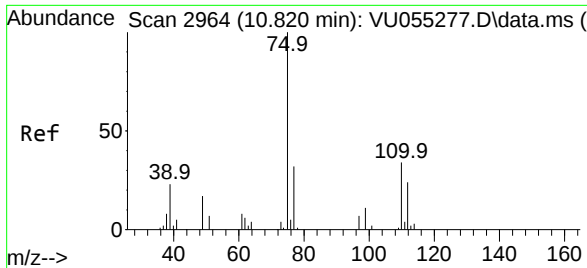
Tgt Ion:	164	Resp:	1085
Ion	Ratio	Lower	Upper
164	100		
129	73.4	69.2	128.6
131	94.6	68.8	127.8
166	145.1	92.3	171.5



#48
2-Hexanone
Concen: 6.052 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VU055296.D
Acq: 13 Sep 2023 19:57

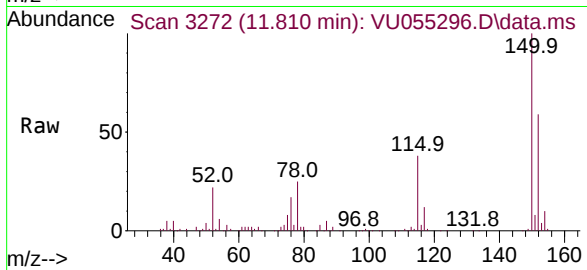
Tgt Ion:	43	Resp:	30556
Ion	Ratio	Lower	Upper
43	100		
58	49.0	44.0	66.0
57	18.2	16.2	24.2
100	5.9	9.0	13.4





#61
 1,2,3-Trichloropropane
 Concen: 2.053 ug/L
 RT: 11.810 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU055296.D
 Acq: 13 Sep 2023 19:57

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.7	28.2	42.2#
77	32.7	26.2	39.4

