

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055354.D
 Acq On : 15 Sep 2023 21:28
 Operator : MD/SY
 Sample : 04380-03DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 16 00:45:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:42:29 2023
 Response via : Initial Calibration

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

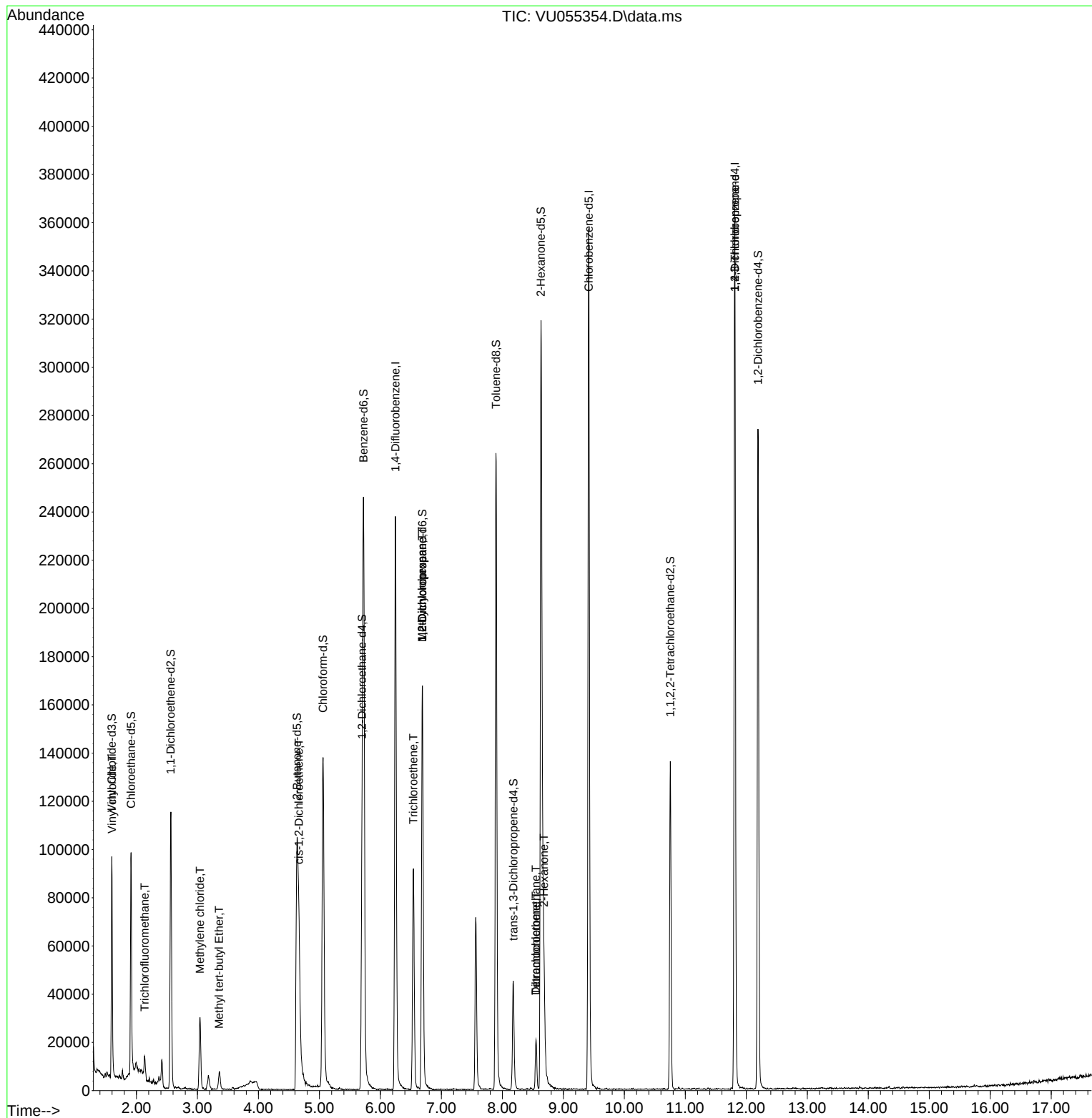
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	188262	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.416	117	195910	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	94850	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	56850	5.254	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.000%
7) Chloroethane-d5	1.911	69	65533	5.366	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.400%
11) 1,1-Dichloroethene-d2	2.560	65	21262	5.432	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.600%
20) 2-Butanone-d5	4.631	46	187603	62.697	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.400%
24) Chloroform-d	5.059	84	128191	5.304	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
26) 1,2-Dichloroethane-d4	5.699	65	70219	5.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.200%
32) Benzene-d6	5.724	84	226296	5.511	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.200%
36) 1,2-Dichloropropane-d6	6.689	67	80570	5.758	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.200%
41) Toluene-d8	7.895	98	180750	5.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	8.181	79	24958	5.026	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.600%
46) 2-Hexanone-d5	8.631	63	100853	55.829	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.660%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	66696	5.481	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	67843	5.554	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	8608	0.461	ug/L	84
9) Trichlorofluoromethane	2.133	101	4281	0.143	ug/L	95
16) Methylene chloride	3.040	84	14594	0.740	ug/L	91
17) Methyl tert-butyl Ether	3.355	73	5872	0.185	ug/L #	88
22) cis-1,2-Dichloroethene	4.663	96	14567	0.855	ug/L	96
34) Trichloroethene	6.541	95	31091	1.685	ug/L	96
35) Methylcyclohexane	6.686	83	17887	0.667	ug/L #	20
37) 1,2-Dichloropropane	6.686	63	9112	0.535	ug/L #	89
47) Tetrachloroethene	8.551	164	4173	0.330	ug/L	96
48) 2-Hexanone	8.682	43	25203	4.138	ug/L #	86
49) Dibromochloromethane	8.551	129	4812	0.398	ug/L #	11
61) 1,2,3-Trichloropropane	11.811	75	13597	1.480	ug/L #	65

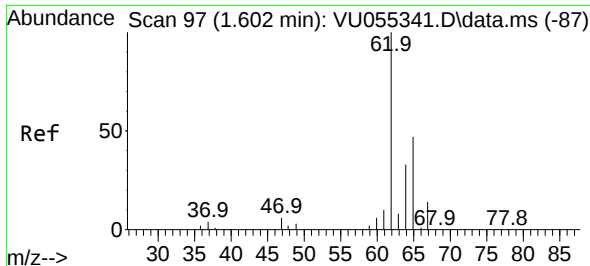
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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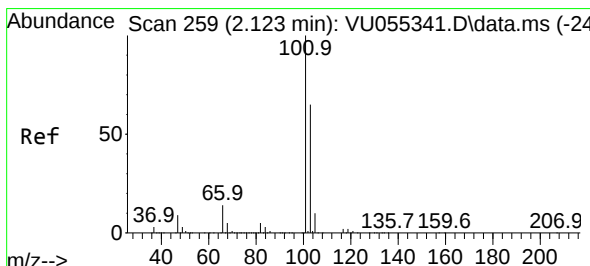
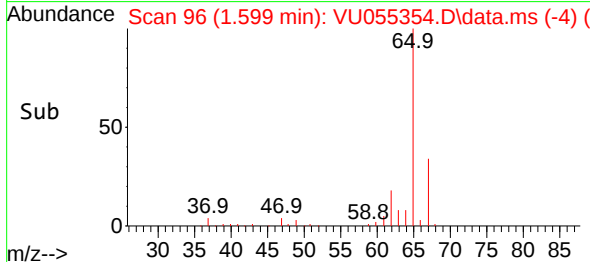
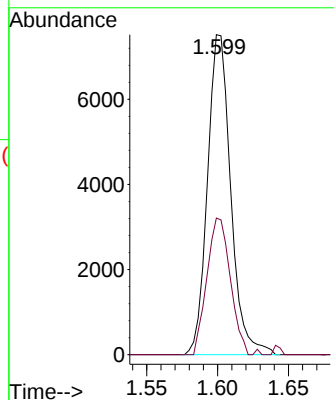
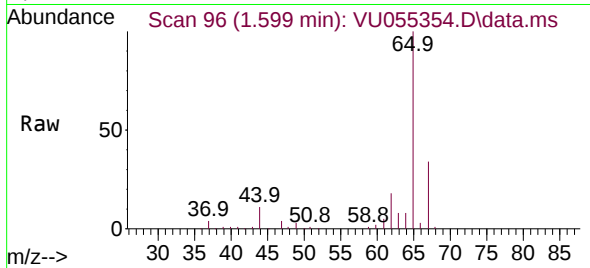




#5
 Vinyl chloride
 Concen: 0.461 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU055354.D
 Acq: 15 Sep 2023 21:28

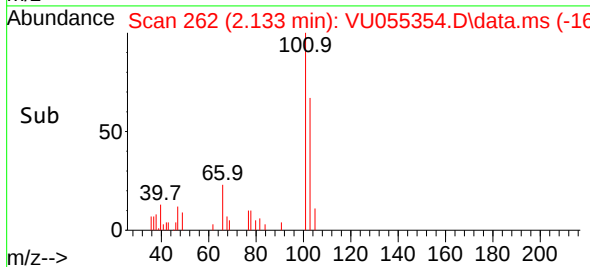
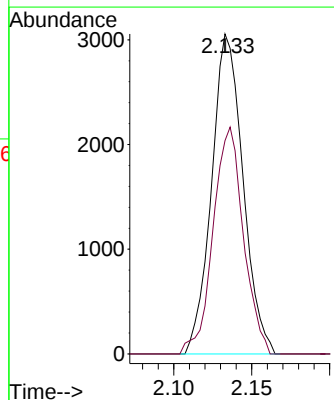
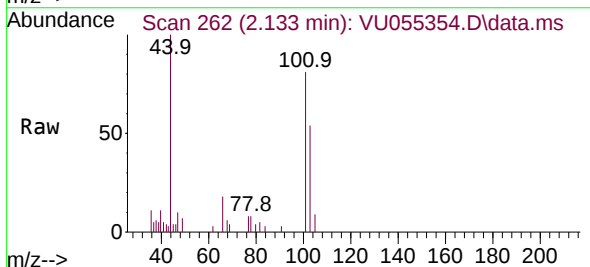
Instrument :
 MSVOA_U
 ClientSampleId :

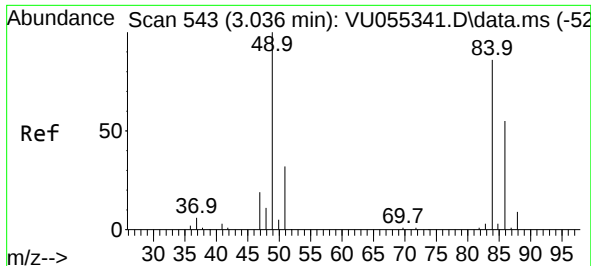
Tgt Ion: 62 Resp: 8608
 Ion Ratio Lower Upper
 62 100
 64 42.7 23.4 43.6



#9
 Trichlorofluoromethane
 Concen: 0.143 ug/L
 RT: 2.133 min Scan# 262
 Delta R.T. 0.010 min
 Lab File: VU055354.D
 Acq: 15 Sep 2023 21:28

Tgt Ion: 101 Resp: 4281
 Ion Ratio Lower Upper
 101 100
 103 68.4 51.8 77.8

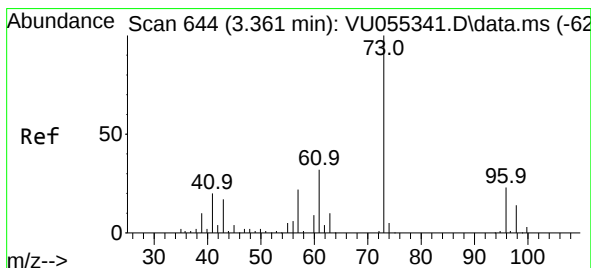
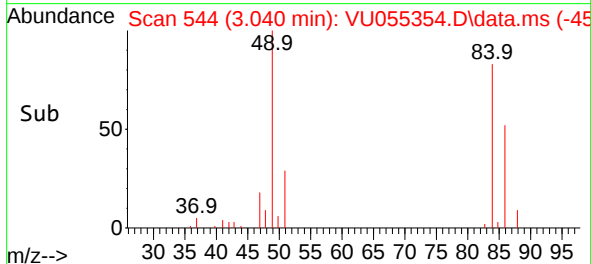
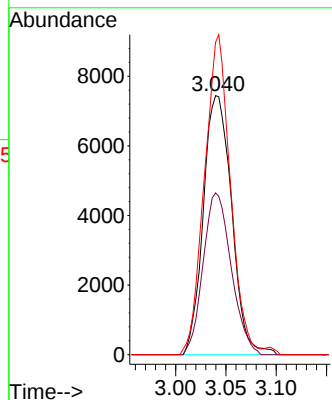
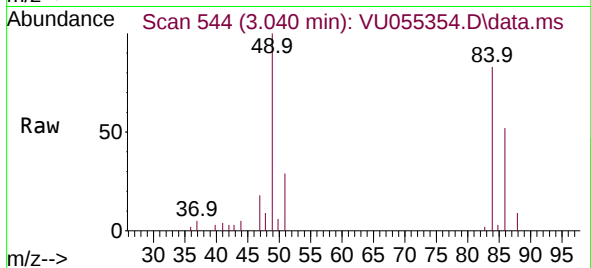




#16
Methylene chloride
Concen: 0.740 ug/L
RT: 3.040 min Scan# 54
Delta R.T. 0.004 min
Lab File: VU055354.D
Acq: 15 Sep 2023 21:28

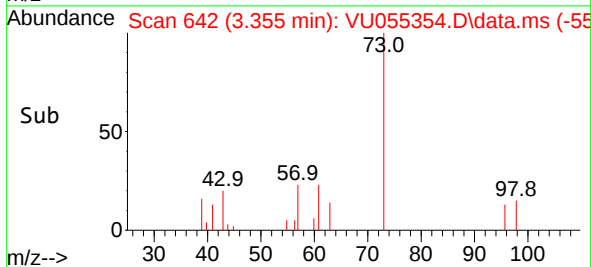
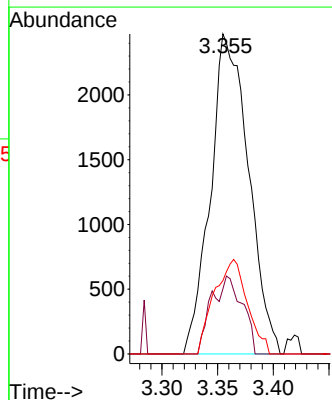
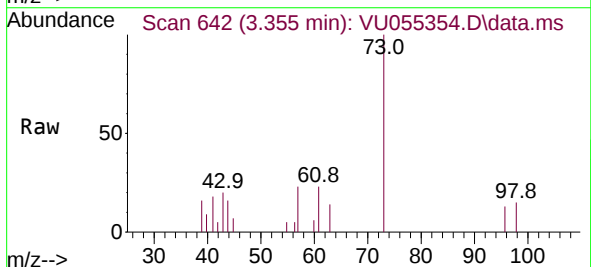
Instrument :
MSVOA_U
ClientSampleId :

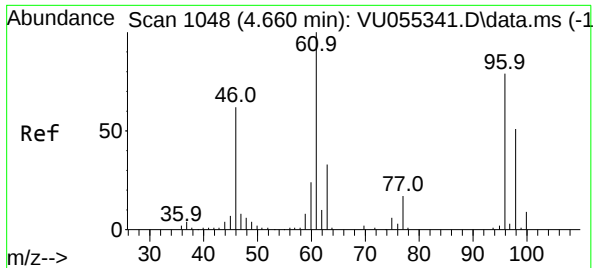
Tgt Ion: 84 Resp: 14594
Ion Ratio Lower Upper
84 100
86 62.4 42.4 78.8
49 127.5 79.9 148.3



#17
Methyl tert-butyl Ether
Concen: 0.185 ug/L
RT: 3.355 min Scan# 642
Delta R.T. -0.006 min
Lab File: VU055354.D
Acq: 15 Sep 2023 21:28

Tgt Ion: 73 Resp: 5872
Ion Ratio Lower Upper
73 100
43 12.8 16.0 24.0#
57 25.7 17.2 25.8

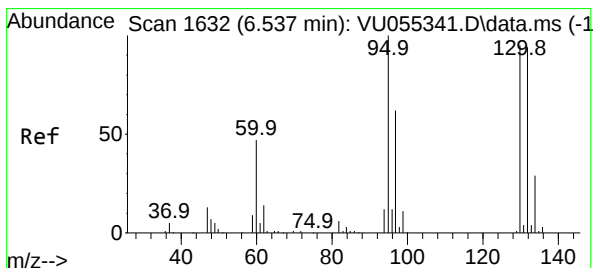
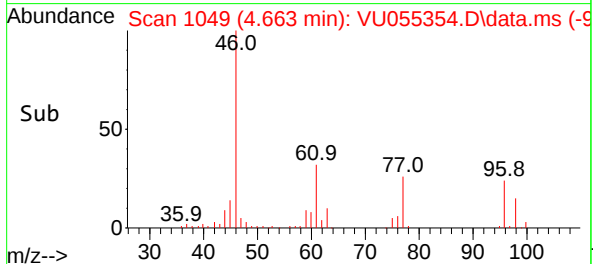
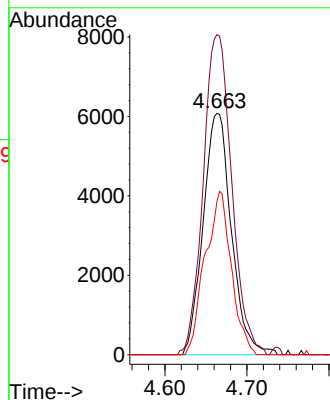
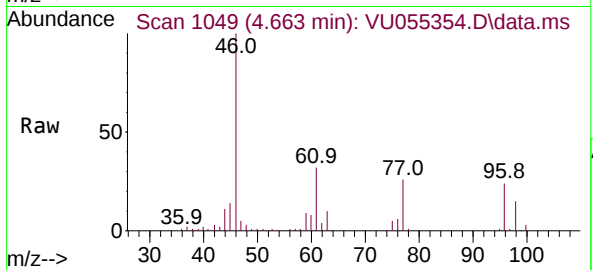




#22
 cis-1,2-Dichloroethene
 Concen: 0.855 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.004 min
 Lab File: VU055354.D
 Acq: 15 Sep 2023 21:28

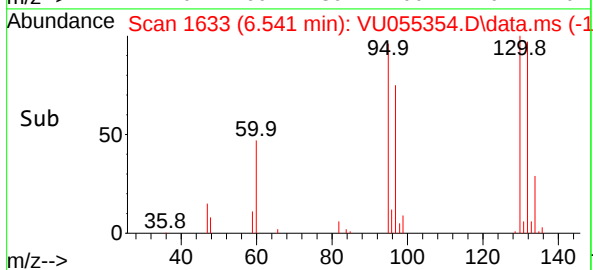
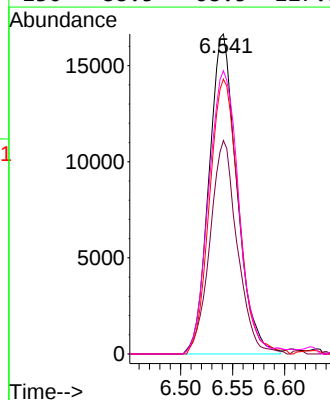
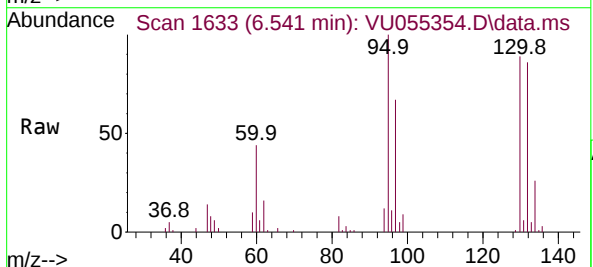
Instrument :
 MSVOA_U
 ClientSampleId :

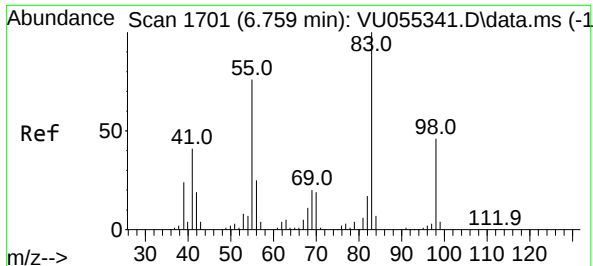
Tgt Ion: 96 Resp: 14567
 Ion Ratio Lower Upper
 96 100
 61 132.6 88.1 163.7
 98 63.1 43.5 80.7



#34
 Trichloroethene
 Concen: 1.685 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. 0.004 min
 Lab File: VU055354.D
 Acq: 15 Sep 2023 21:28

Tgt Ion: 95 Resp: 31091
 Ion Ratio Lower Upper
 95 100
 97 66.7 47.4 88.0
 132 85.9 60.5 112.3
 130 88.5 68.5 127.1





#35

Methylcyclohexane

Concen: 0.667 ug/L

RT: 6.686 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU055354.D

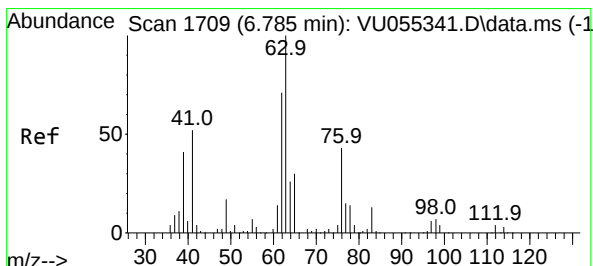
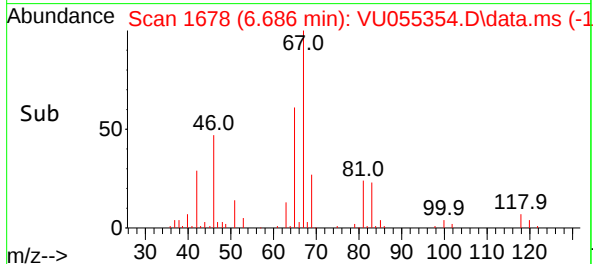
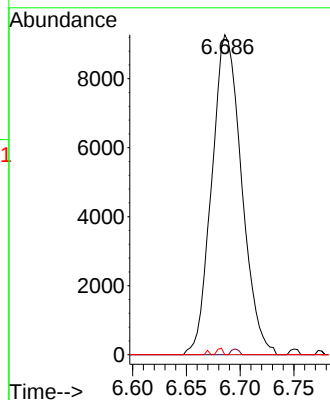
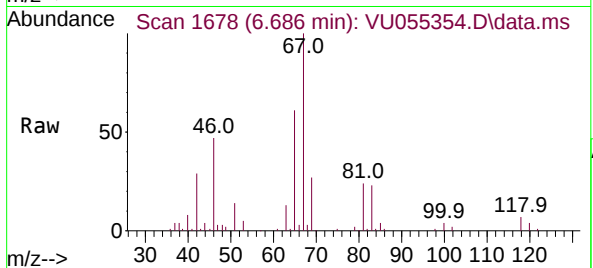
Acq: 15 Sep 2023 21:28

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	17887
Ion Ratio	Lower	Upper	
83	100		
55	0.5	58.7	88.1#
98	0.0	36.3	54.5#



#37

1,2-Dichloropropane

Concen: 0.535 ug/L

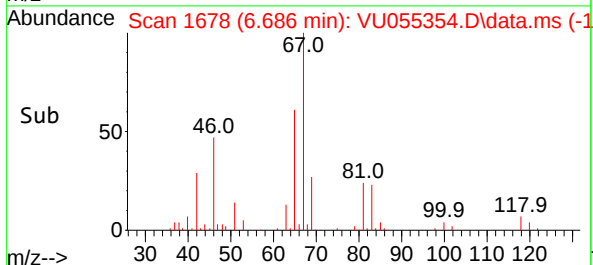
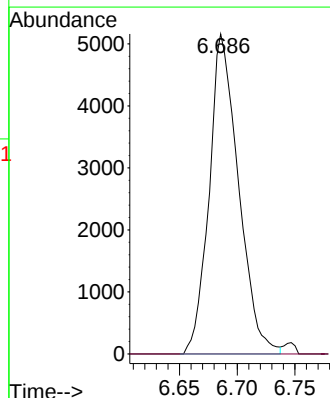
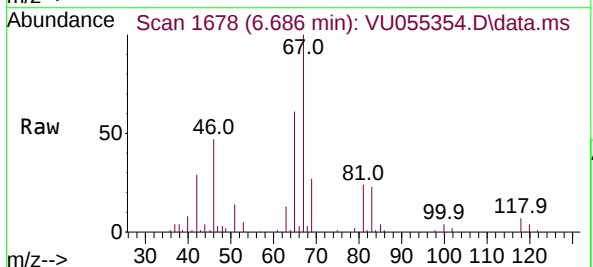
RT: 6.686 min Scan# 1678

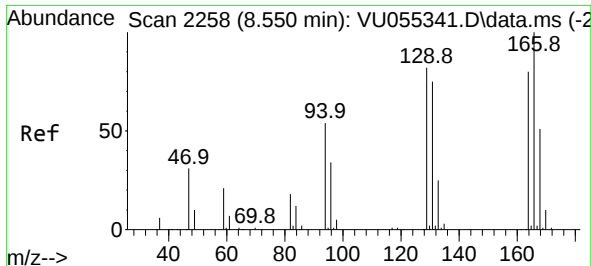
Delta R.T. -0.099 min

Lab File: VU055354.D

Acq: 15 Sep 2023 21:28

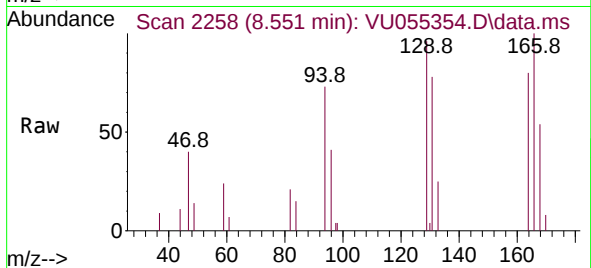
Tgt Ion:	63	Resp:	9112
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.0	4.4#



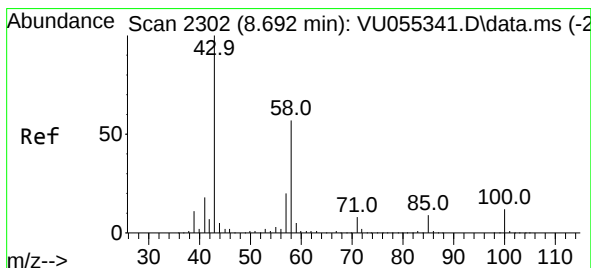
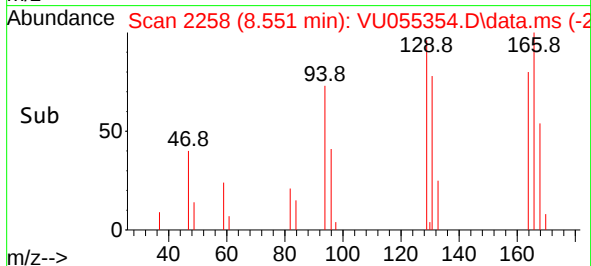
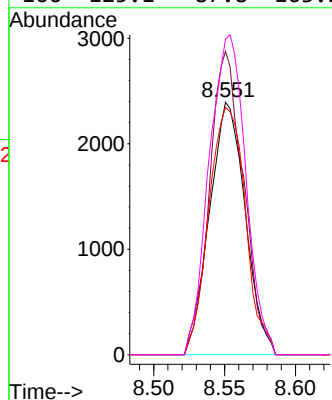


#47
Tetrachloroethene
Concen: 0.330 ug/L
RT: 8.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055354.D
Acq: 15 Sep 2023 21:28

Instrument :
MSVOA_U
ClientSampleId :

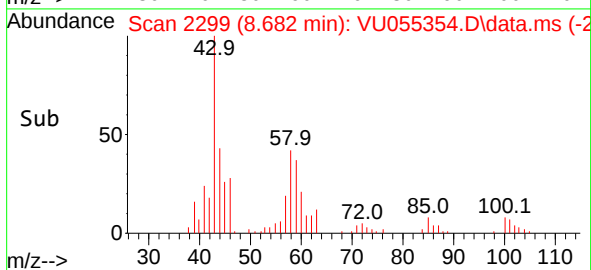
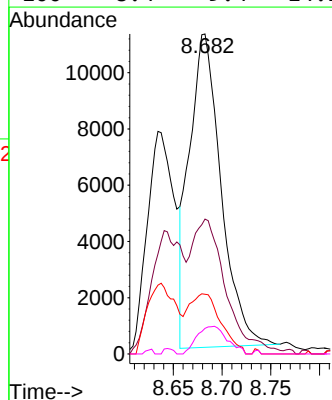
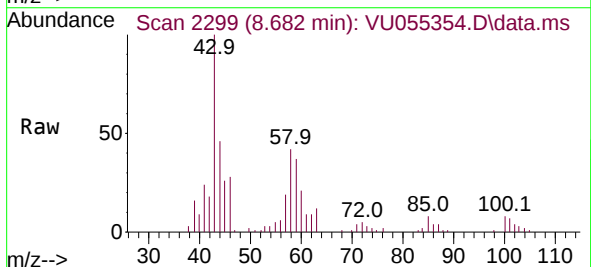


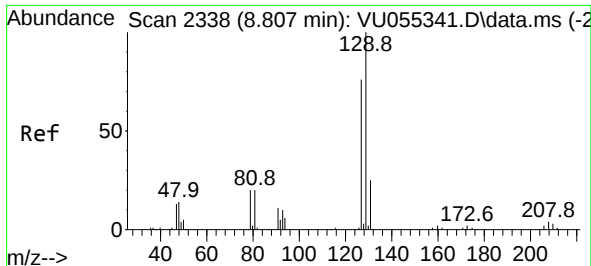
Tgt Ion	Ratio	Lower	Upper
164	100		
129	120.2	76.3	141.7
131	98.0	69.1	128.3
166	125.1	87.8	163.2



#48
2-Hexanone
Concen: 4.138 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.009 min
Lab File: VU055354.D
Acq: 15 Sep 2023 21:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.6	47.8	71.6#
57	19.4	15.4	23.2
100	8.4	9.4	14.2#





#49

Dibromochloromethane

Concen: 0.398 ug/L

RT: 8.551 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU055354.D

Acq: 15 Sep 2023 21:28

Instrument :

MSVOA_U

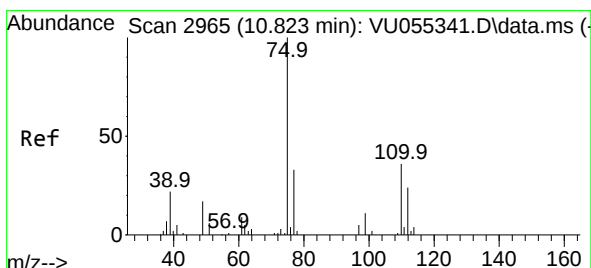
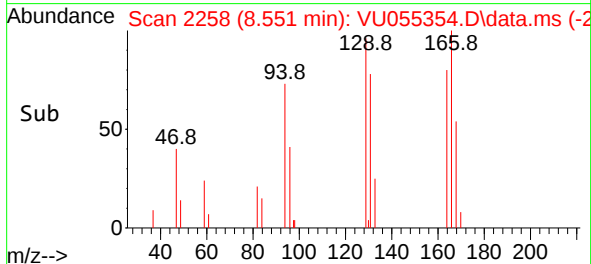
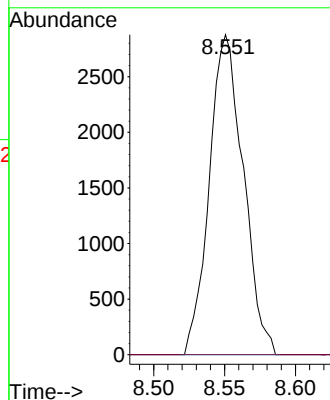
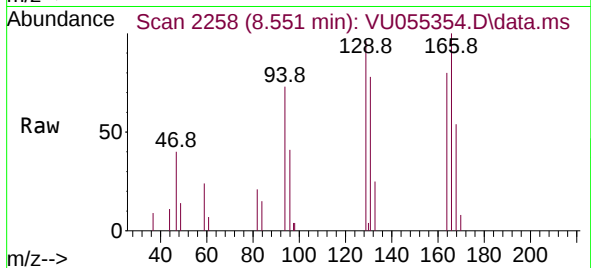
ClientSampleId :

Tgt Ion:129 Resp: 4812

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#



#61

1,2,3-Trichloropropane

Concen: 1.480 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.988 min

Lab File: VU055354.D

Acq: 15 Sep 2023 21:28

Tgt Ion: 75 Resp: 13597

Ion Ratio Lower Upper

75 100

110 0.6 31.4 47.2#

77 32.1 26.0 39.0

