

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055648.D
 Acq On : 03 Oct 2023 18:34
 Operator : MD/SY
 Sample : 04679-20DL 40X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 04:45:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 04:40:48 2023
 Response via : Initial Calibration

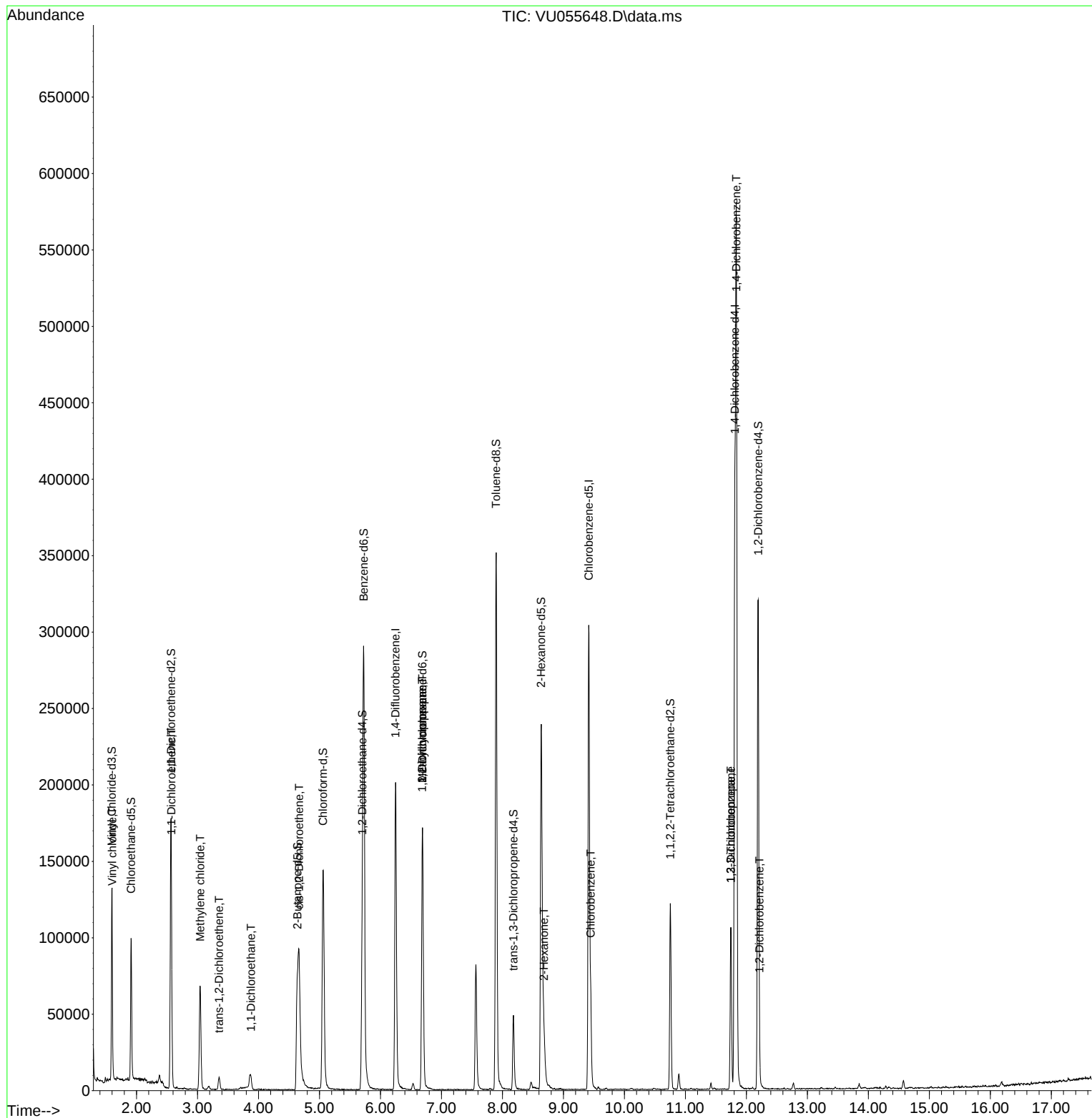
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	162785	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	168125	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	92405	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	84584	5.141	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	102.800%	
7) Chloroethane-d5	1.911	69	66756	4.604	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	92.000%	
11) 1,1-Dichloroethene-d2	2.566	65	33320	4.920	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	98.400%	
20) 2-Butanone-d5	4.637	46	130190	43.810	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	87.620%	
24) Chloroform-d	5.058	84	136594	4.590	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.800%	
26) 1,2-Dichloroethane-d4	5.701	65	66634	4.655	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.000%	
32) Benzene-d6	5.724	84	278625	4.738	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.800%	
36) 1,2-Dichloropropane-d6	6.688	67	84800	4.826	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	96.600%	
41) Toluene-d8	7.897	98	242649	4.527	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.600%	
43) trans-1,3-Dichloroprop...	8.180	79	28600	4.638	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	92.800%	
46) 2-Hexanone-d5	8.634	63	77004	41.057	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	82.120%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	60577	4.600	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	92.000%	
66) 1,2-Dichlorobenzene-d4	12.193	152	84355	4.523	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	90.400%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	4020	0.267	ug/L #	49
12) 1,1-Dichloroethene	2.573	96	1463	0.129	ug/L #	1
16) Methylene chloride	3.042	84	32661	2.395	ug/L	97
18) trans-1,2-Dichloroethene	3.354	96	3580	0.312	ug/L	97
19) 1,1-Dichloroethane	3.875	63	11814	0.557	ug/L	90
22) cis-1,2-Dichloroethene	4.666	96	28342	2.131	ug/L	95
35) Methylcyclohexane	6.688	83	19574	0.993	ug/L #	20
37) 1,2-Dichloropropane	6.685	63	9131	0.722	ug/L #	88
48) 2-Hexanone	8.682	43	17074	3.838	ug/L #	71
51) Chlorobenzene	9.447	112	30872	0.934	ug/L	99
61) 1,2,3-Trichloropropane	11.746	75	13794	1.912	ug/L #	48
64) 1,3-Dichlorobenzene	11.746	146	42800	1.679	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	216048	8.478	ug/L	99
67) 1,2-Dichlorobenzene	12.216	146	3864	0.165	ug/L	91

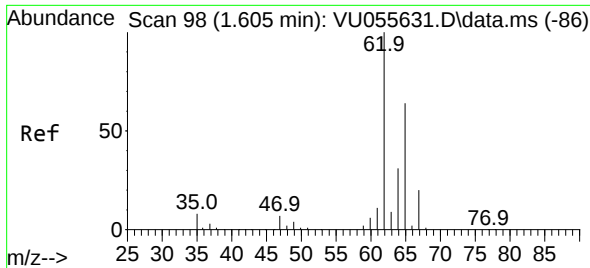
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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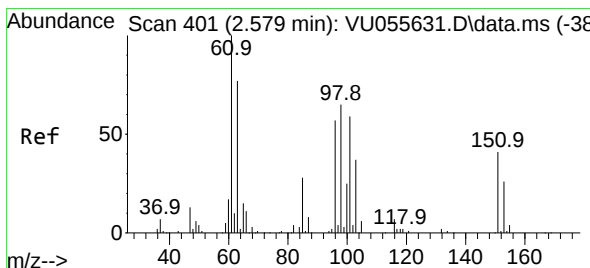
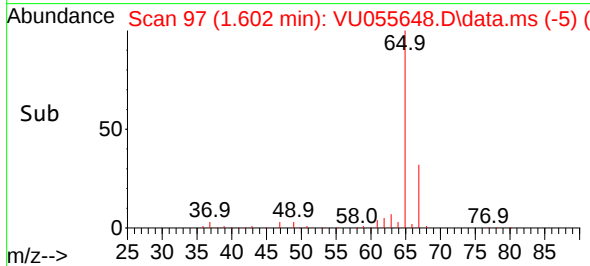
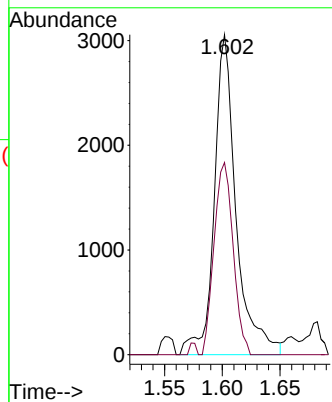
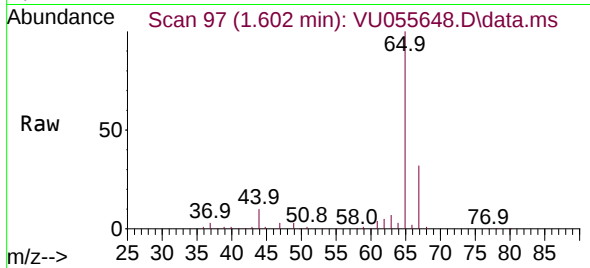




#5
 Vinyl chloride
 Concen: 0.267 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055648.D
 Acq: 03 Oct 2023 18:34

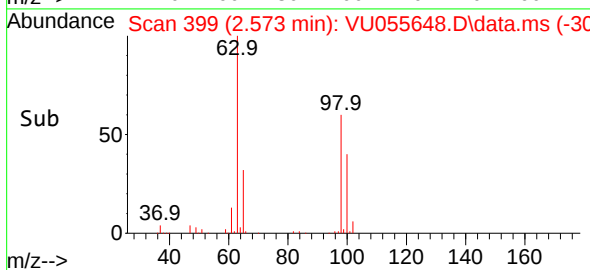
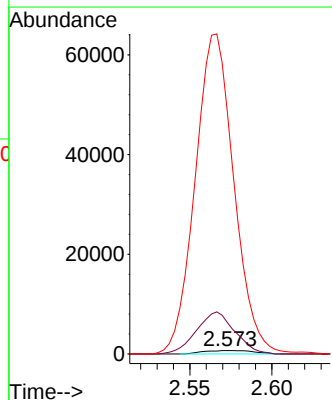
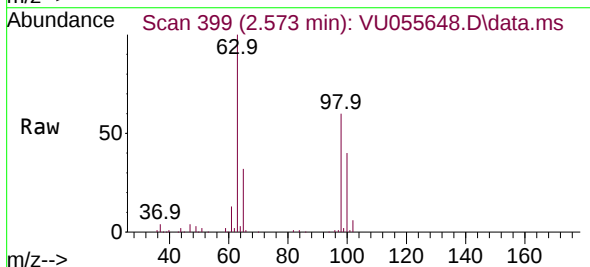
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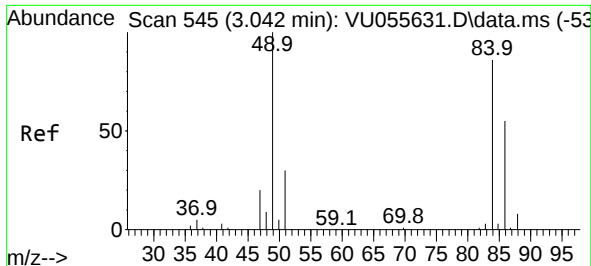
Tgt Ion: 62 Resp: 4020
 Ion Ratio Lower Upper
 62 100
 64 60.0 22.3 41.5#



#12
 1,1-Dichloroethene
 Concen: 0.129 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VU055648.D
 Acq: 03 Oct 2023 18:34

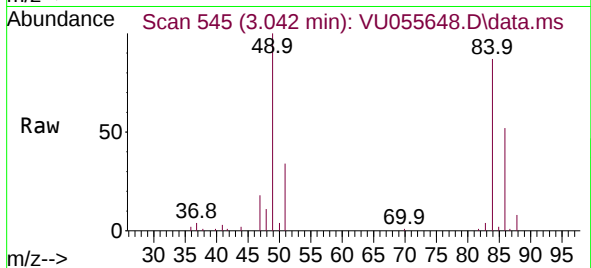
Tgt Ion: 96 Resp: 1463
 Ion Ratio Lower Upper
 96 100
 61 909.8 114.5 212.7#
 63 6989.9 98.3 182.5#



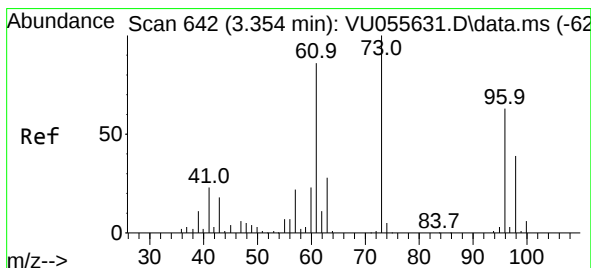
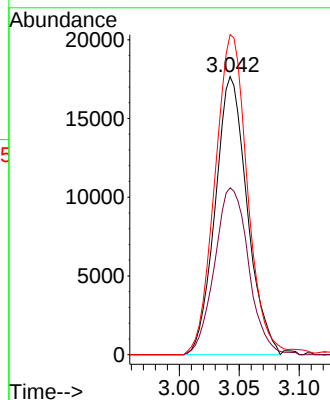
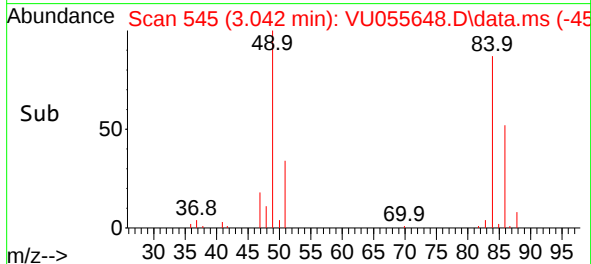


#16
Methylene chloride
Concen: 2.395 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

Instrument :
MSVOA_U
ClientSampleId :

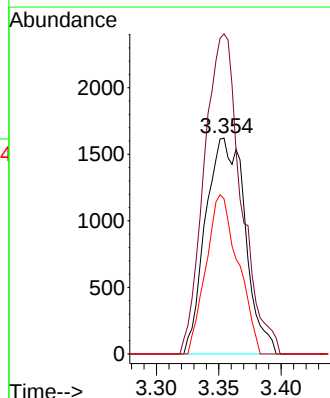
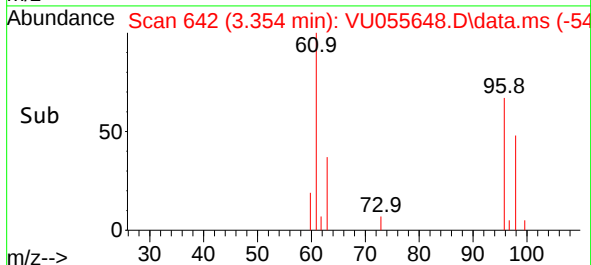
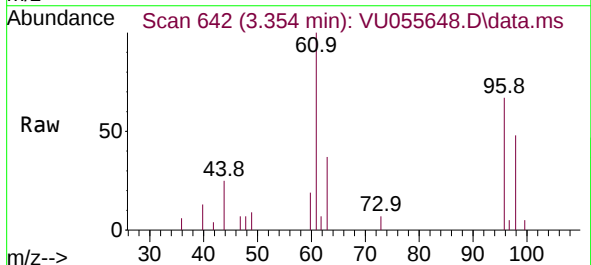


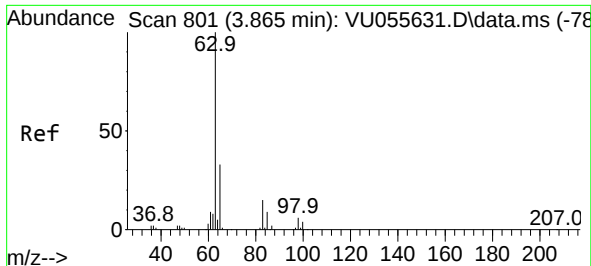
Tgt Ion: 84 Resp: 32661
Ion Ratio Lower Upper
84 100
86 60.7 44.9 83.3
49 115.1 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 0.312 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

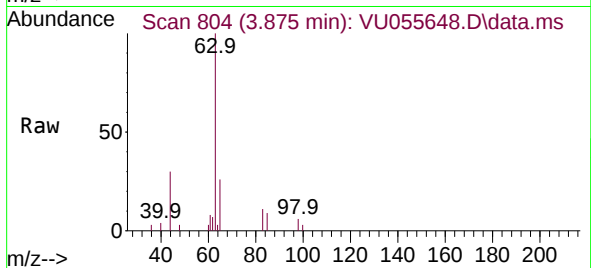
Tgt Ion: 96 Resp: 3580
Ion Ratio Lower Upper
96 100
61 138.3 94.6 175.6
98 67.0 45.7 84.9



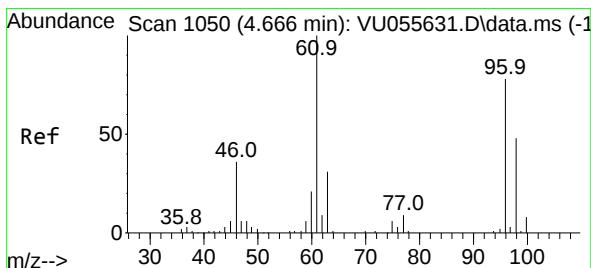
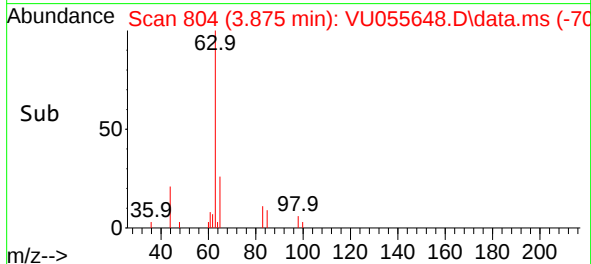
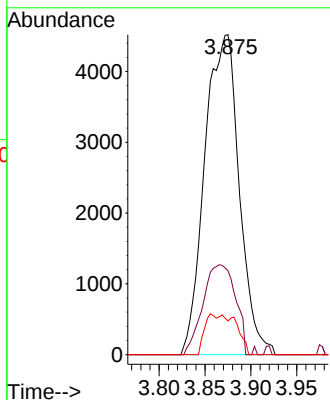


#19
1,1-Dichloroethane
Concen: 0.557 ug/L
RT: 3.875 min Scan# 801
Delta R.T. 0.010 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

Instrument :
MSVOA_U
ClientSampleId :

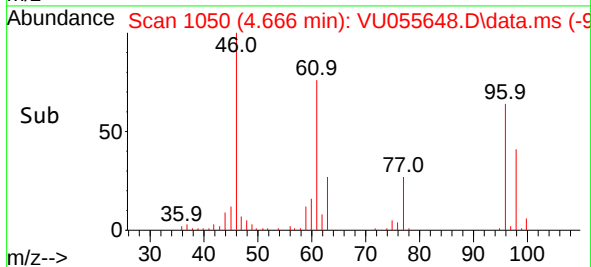
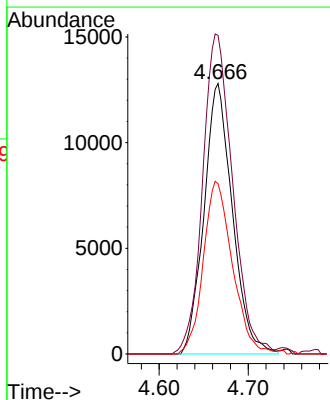
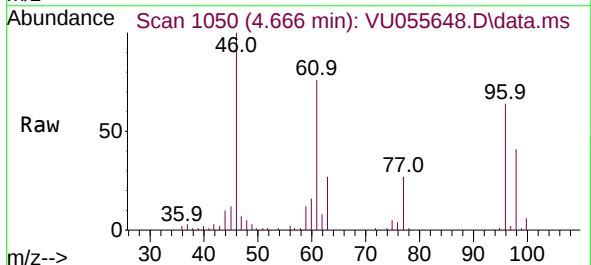


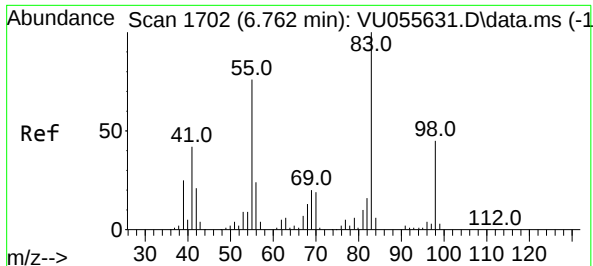
Tgt Ion: 63 Resp: 11814
Ion Ratio Lower Upper
63 100
65 26.2 22.0 41.0
83 10.6 10.1 18.9



#22
cis-1,2-Dichloroethene
Concen: 2.131 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

Tgt Ion: 96 Resp: 28342
Ion Ratio Lower Upper
96 100
61 117.8 87.8 163.2
98 62.9 44.4 82.4





#35

Methylcyclohexane

Concen: 0.993 ug/L

RT: 6.688 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU055648.D

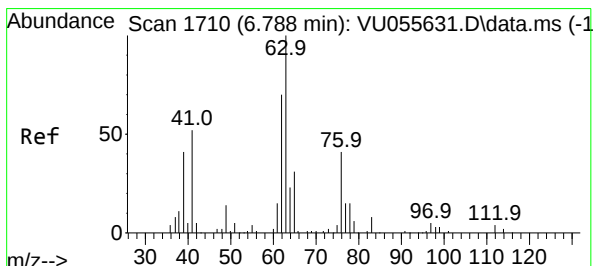
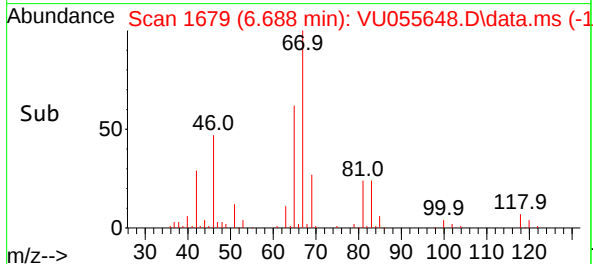
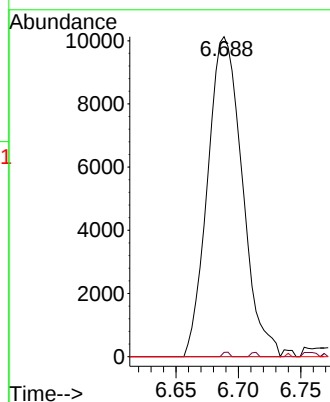
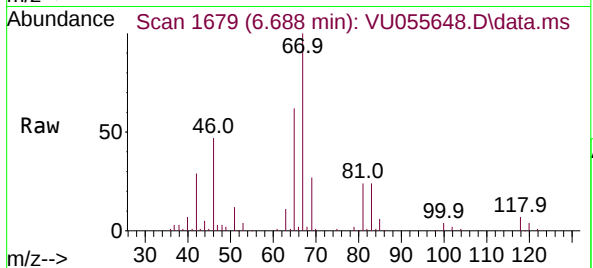
Acq: 03 Oct 2023 18:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 19574
Ion Ratio	Lower Upper
83 100	
55 0.3	59.1 88.7#
98 0.0	36.3 54.5#



#37

1,2-Dichloropropane

Concen: 0.722 ug/L

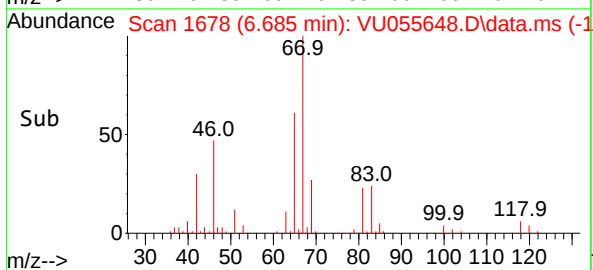
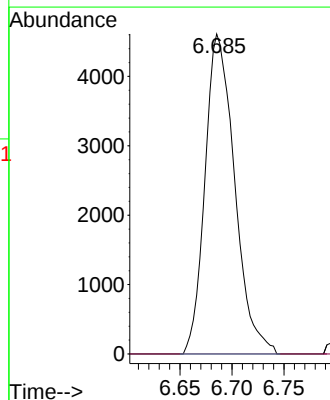
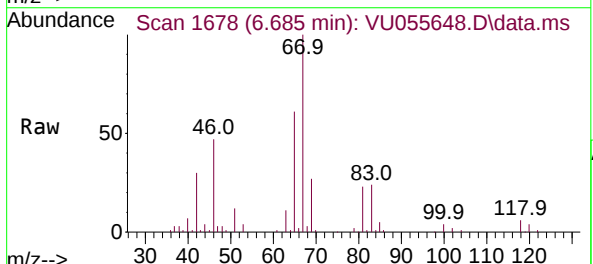
RT: 6.685 min Scan# 1678

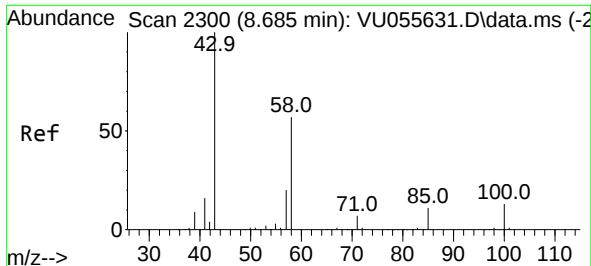
Delta R.T. -0.103 min

Lab File: VU055648.D

Acq: 03 Oct 2023 18:34

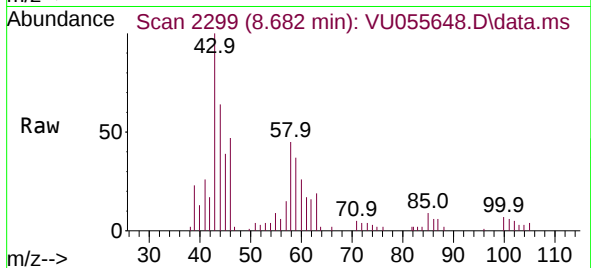
Tgt Ion: 63	Resp: 9131
Ion Ratio	Lower Upper
63 100	
112 0.0	3.0 4.6#



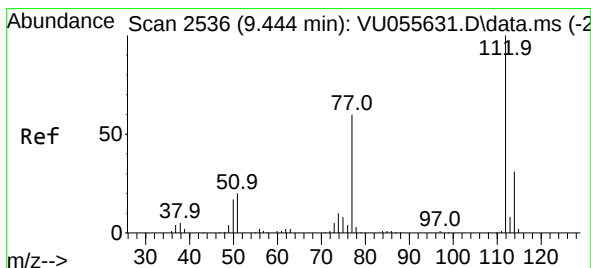
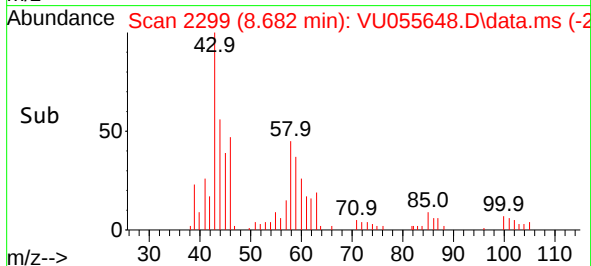
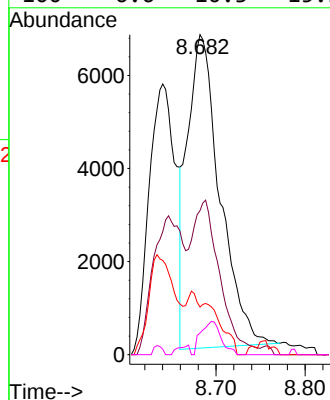


#48
2-Hexanone
Concen: 3.838 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

Instrument :
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ClientSampleId :

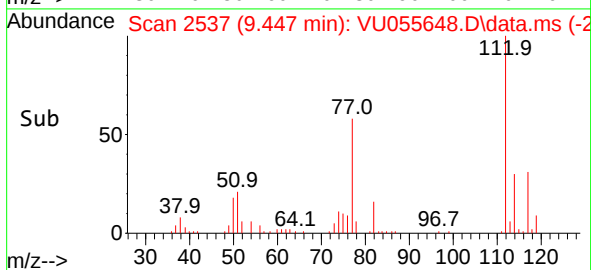
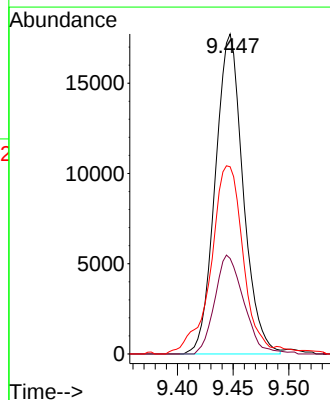
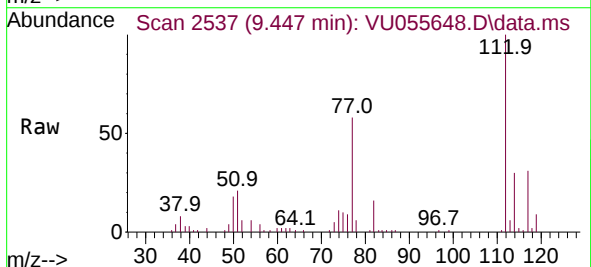


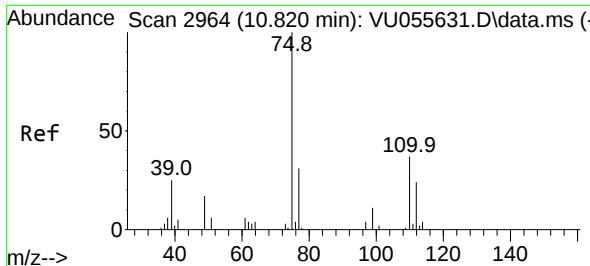
Tgt Ion:	43	Resp:	17074
Ion	Ratio	Lower	Upper
43	100		
58	40.8	48.5	72.7#
57	0.0	17.0	25.4#
100	6.6	10.3	15.5#



#51
Chlorobenzene
Concen: 0.934 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

Tgt Ion:	112	Resp:	30872
Ion	Ratio	Lower	Upper
112	100		
114	29.8	22.0	40.8
77	58.5	46.9	70.3

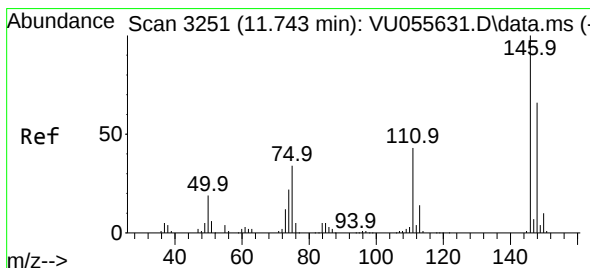
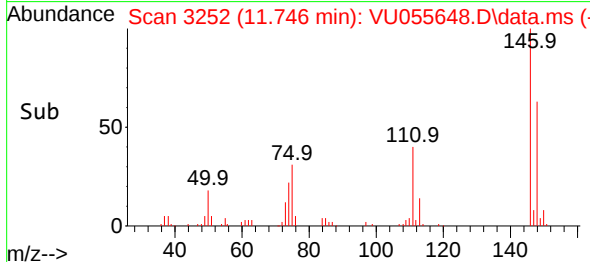
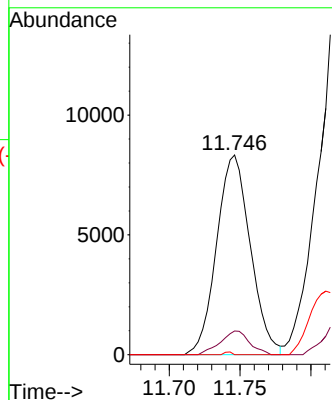
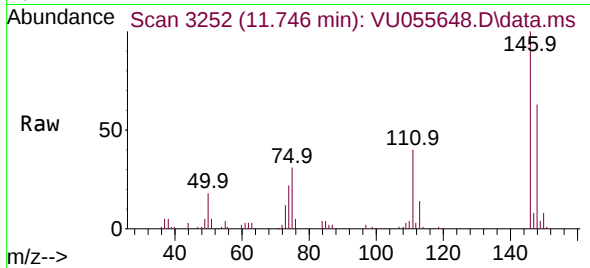




#61
1,2,3-Trichloropropane
Concen: 1.912 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

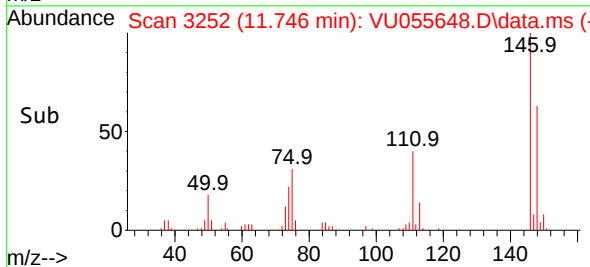
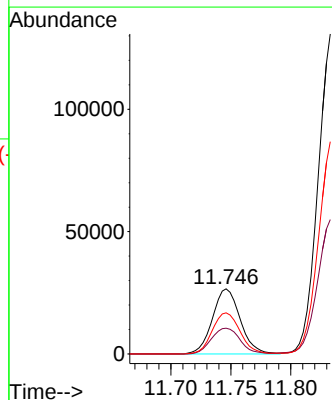
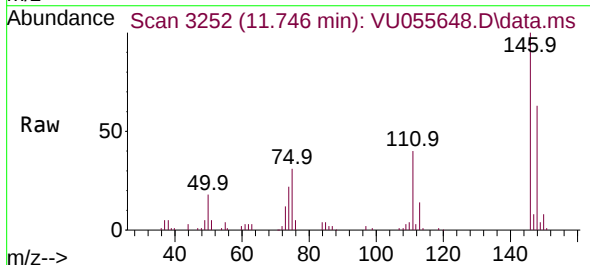
Instrument :
MSVOA_U
ClientSampleId :

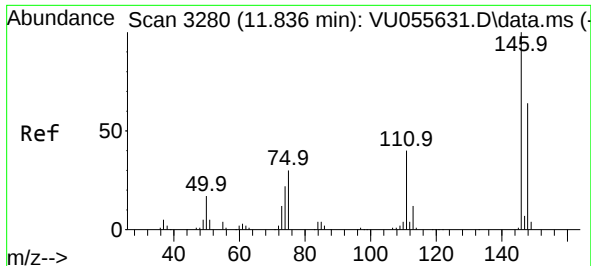
Tgt Ion: 75 Resp: 13794
Ion Ratio Lower Upper
75 100
110 10.3 30.6 45.8#
77 0.0 26.7 40.1#



#64
1,3-Dichlorobenzene
Concen: 1.679 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

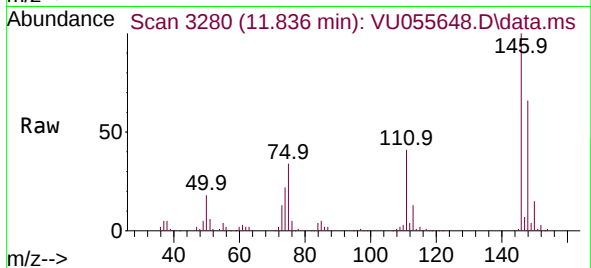
Tgt Ion:146 Resp: 42800
Ion Ratio Lower Upper
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111 39.6 28.8 53.6
148 63.3 44.6 82.8



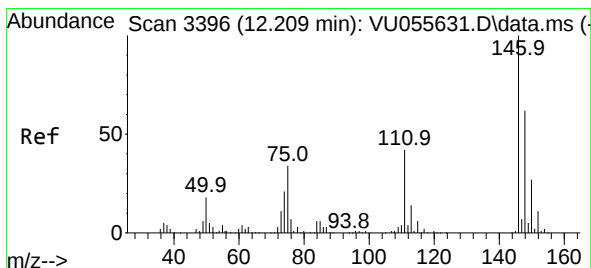
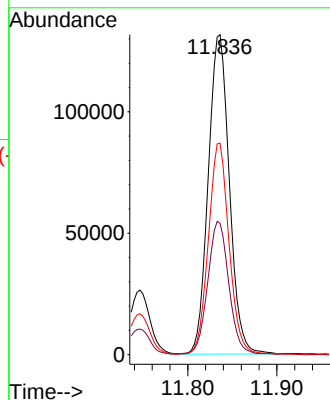
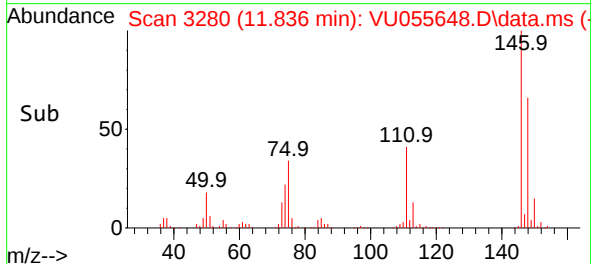


#65
1,4-Dichlorobenzene
Concen: 8.478 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:146 Resp: 216048
Ion Ratio Lower Upper
146 100
111 41.0 29.0 53.8
148 66.1 45.4 84.4



#67
1,2-Dichlorobenzene
Concen: 0.165 ug/L
RT: 12.216 min Scan# 3398
Delta R.T. 0.006 min
Lab File: VU055648.D
Acq: 03 Oct 2023 18:34

Tgt Ion:146 Resp: 3864
Ion Ratio Lower Upper
146 100
111 42.3 34.6 52.0
148 54.3 51.8 77.8

