

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055172.D
 Acq On : 07 Sep 2023 04:36
 Operator : MD/SY
 Sample : 04307-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 07 15:40:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	164031	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	168522	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	83224	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	32388	4.213	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.907	69	40146	4.511	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.560	65	20337	4.643	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.800%
20) 2-Butanone-d5	4.624	46	126060	56.505	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.020%
24) Chloroform-d	5.058	84	103400	5.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.701	65	53020	5.195	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	5.724	84	197459	4.747	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
36) 1,2-Dichloropropane-d6	6.688	67	67331	5.089	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.897	98	172125	4.492	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	8.180	79	15119	4.150	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.634	63	73748	49.856	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.720%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	48021	5.161	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	60474	4.978	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	1380	0.142	ug/L	88
5) Vinyl chloride	1.599	62	1278	0.125	ug/L #	69
9) Trichlorofluoromethane	2.132	101	5843	0.393	ug/L	97
12) 1,1-Dichloroethene	2.573	96	98650	13.009	ug/L #	83
17) Methyl tert-butyl Ether	3.367	73	8258	0.415	ug/L #	94
19) 1,1-Dichloroethane	3.862	63	11355	0.683	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	77908	8.272	ug/L	98
27) 1,2-Dichloroethane	5.801	62	1396	0.132	ug/L #	76
29) 1,1,1-Trichloroethane	5.322	97	4325	0.297	ug/L	90
34) Trichloroethene	6.541	95	704673	70.694	ug/L	97
35) Methylcyclohexane	6.688	83	15038	1.075	ug/L #	19
37) 1,2-Dichloropropane	6.688	63	7720	0.791	ug/L #	88
45) 1,1,2-Trichloroethane	8.402	97	732	0.111	ug/L #	80
47) Tetrachloroethene	8.553	164	42601	6.184	ug/L	98
48) 2-Hexanone	8.688	43	17685	4.053	ug/L #	86
49) Dibromochloromethane	8.550	129	42542	5.925	ug/L #	9
51) Chlorobenzene	9.447	112	3945	0.156	ug/L	92
61) 1,2,3-Trichloropropane	11.814	75	12559	2.274	ug/L #	70
69) 1,3,5-Trichlorobenzene	13.842	180	18756	1.332	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 06 05:03:37 2023
Response via : Initial Calibration

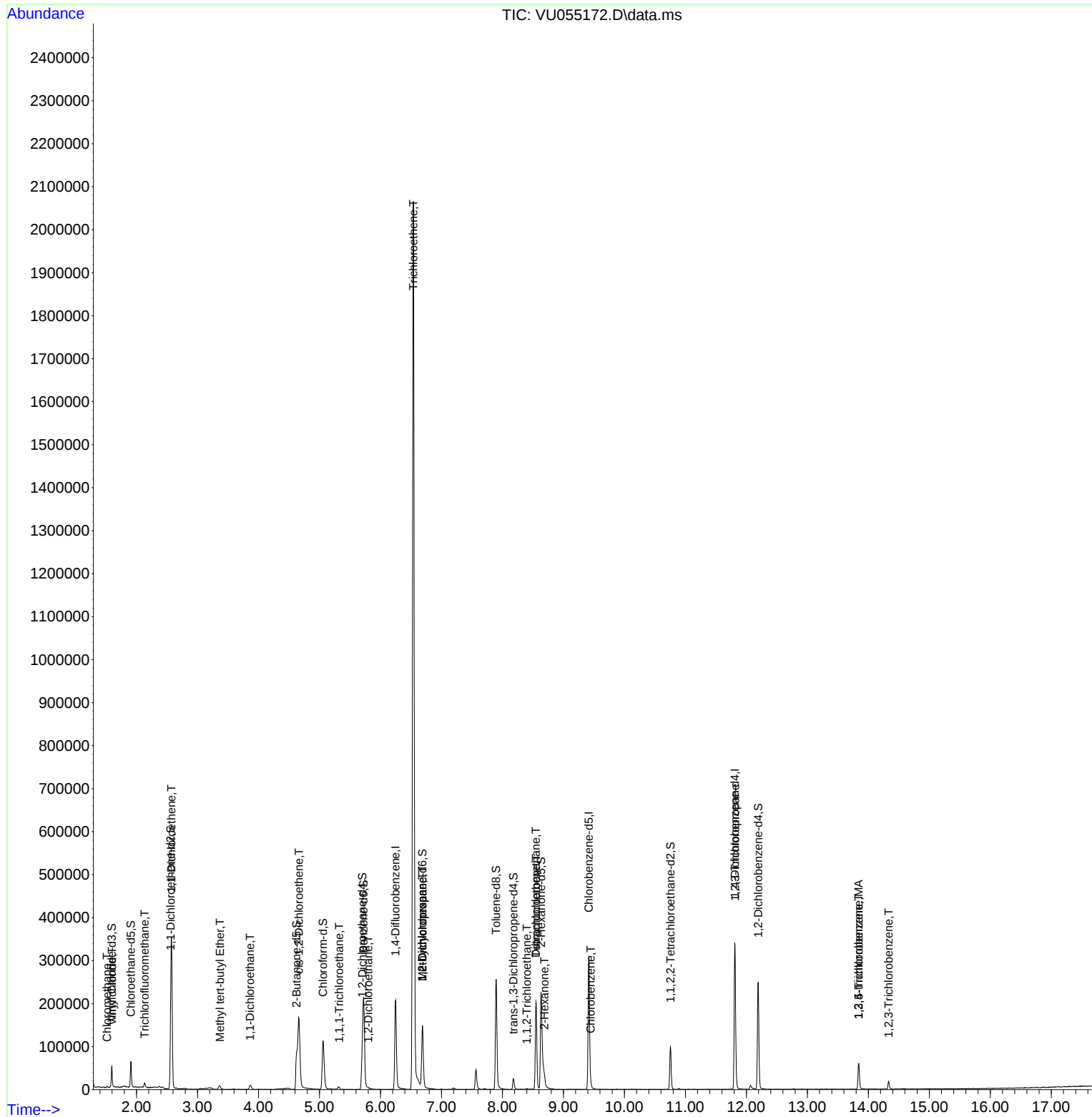
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.842	180	18756	1.421	ug/L	98
72) 1,2,3-Trichlorobenzene	14.334	180	5724	0.500	ug/L	95

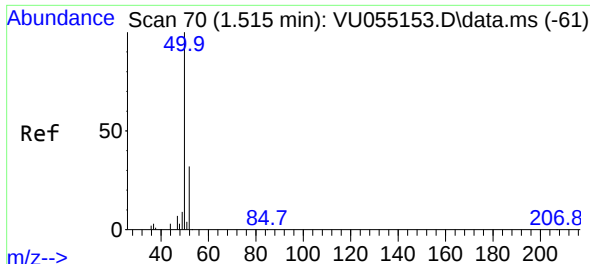
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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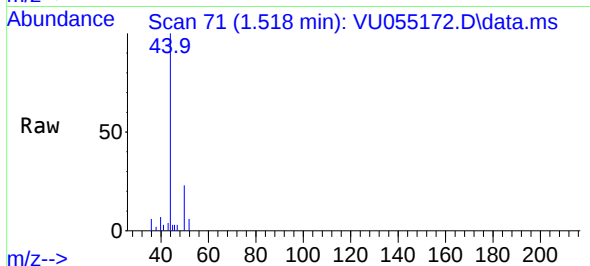
Quant Time: Sep 07 15:40:03 2023
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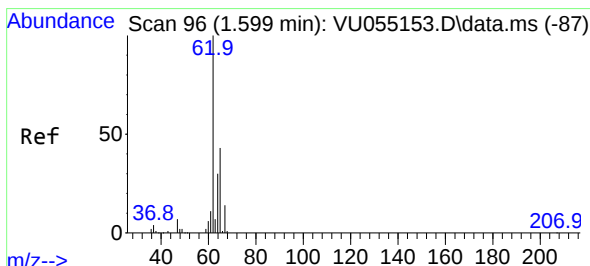
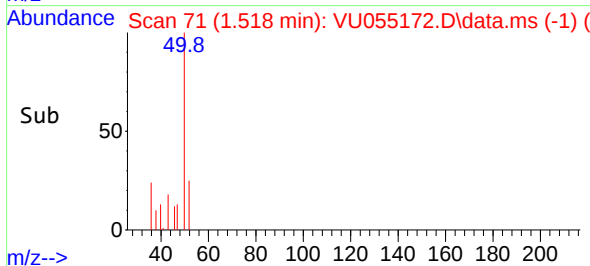
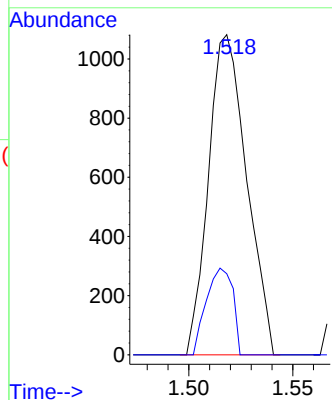


#3
Chloromethane
Concen: 0.142 ug/L
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Instrument :
MSVOA_U
ClientSampleId :

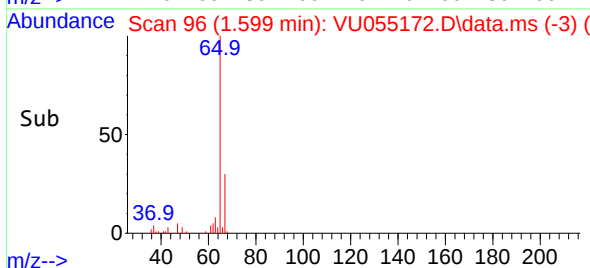
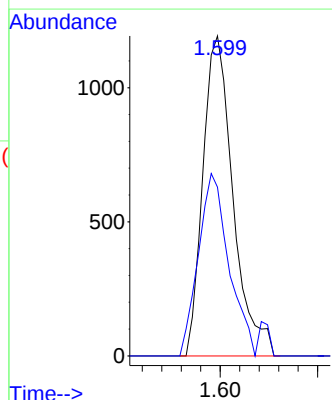
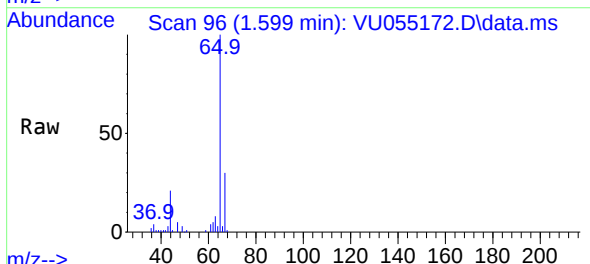


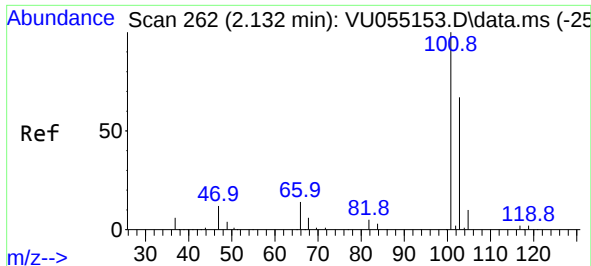
Tgt Ion: 50 Resp: 1380
Ion Ratio Lower Upper
50 100
52 25.3 22.5 41.7



#5
Vinyl chloride
Concen: 0.125 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

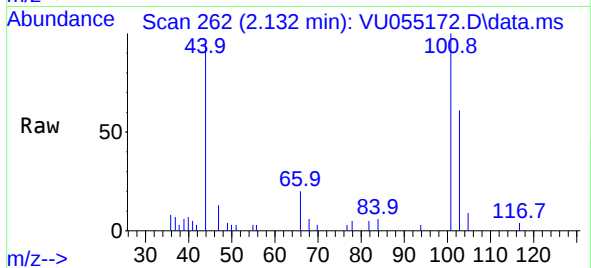
Tgt Ion: 62 Resp: 1278
Ion Ratio Lower Upper
62 100
64 52.7 24.2 45.0#



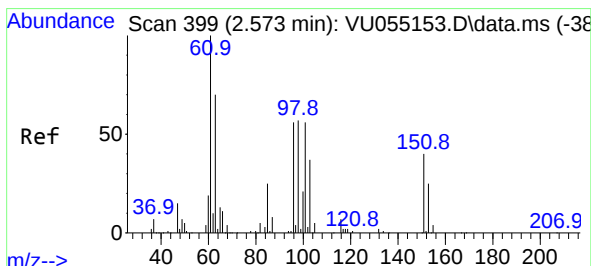
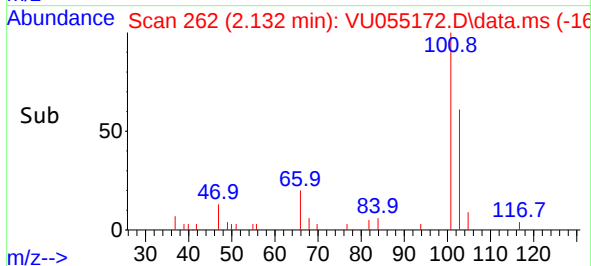
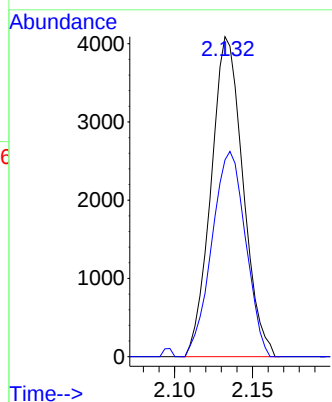


#9
Trichlorofluoromethane
Concen: 0.393 ug/L
RT: 2.132 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Instrument :
MSVOA_U
ClientSampleId :

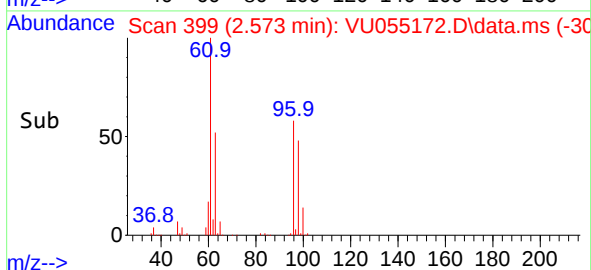
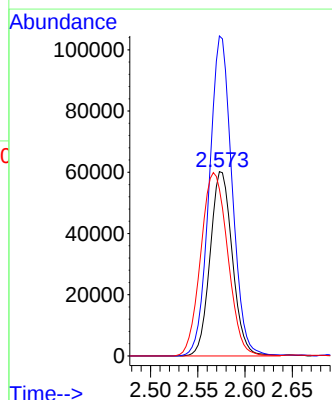
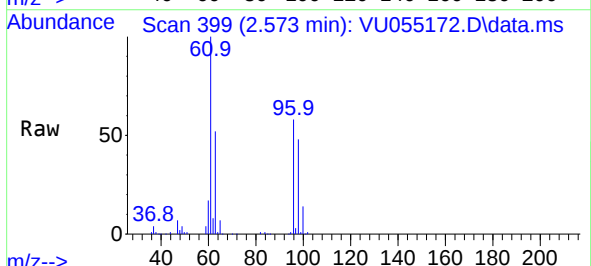


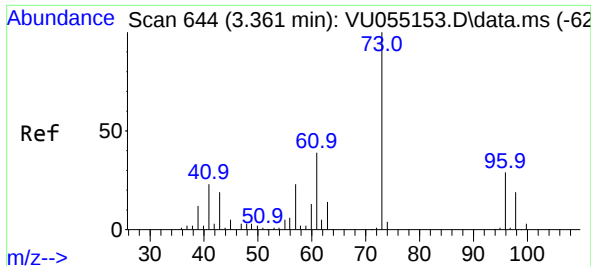
Tgt Ion:101 Resp: 5843
Ion Ratio Lower Upper
101 100
103 67.5 51.9 77.9



#12
1,1-Dichloroethene
Concen: 13.009 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

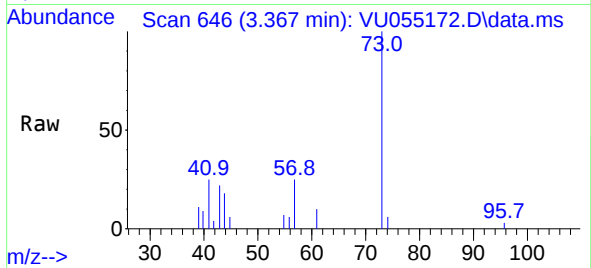
Tgt Ion: 96 Resp: 98650
Ion Ratio Lower Upper
96 100
61 173.7 120.8 224.4
63 90.5 94.5 175.5#



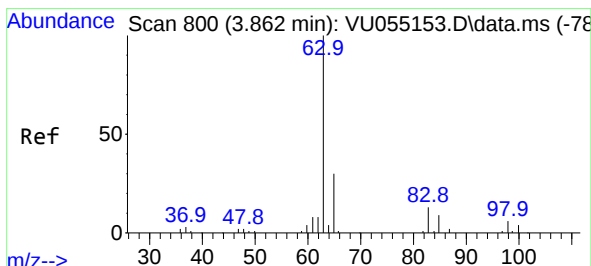
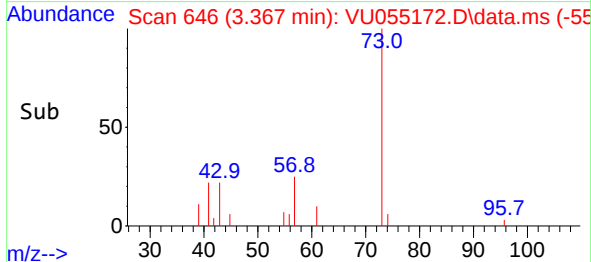
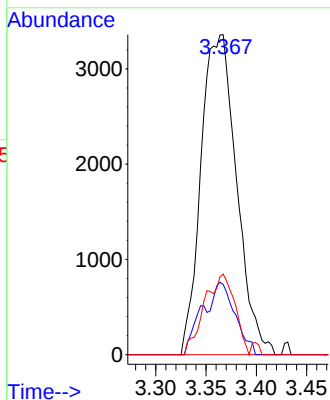


#17
Methyl tert-butyl Ether
Concen: 0.415 ug/L
RT: 3.367 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Instrument :
MSVOA_U
ClientSampleId :

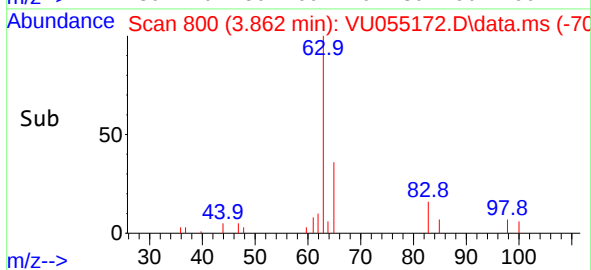
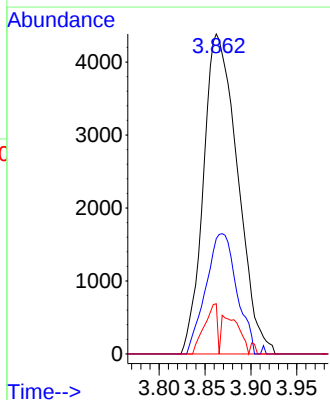
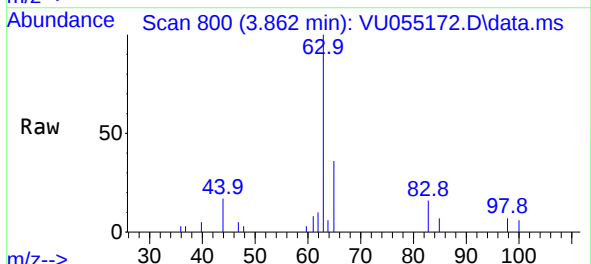


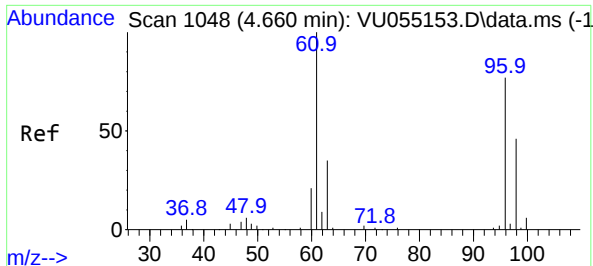
Tgt Ion: 73 Resp: 8258
Ion Ratio Lower Upper
73 100
43 14.7 16.2 24.2#
57 21.5 17.4 26.2



#19
1,1-Dichloroethane
Concen: 0.683 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.003 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

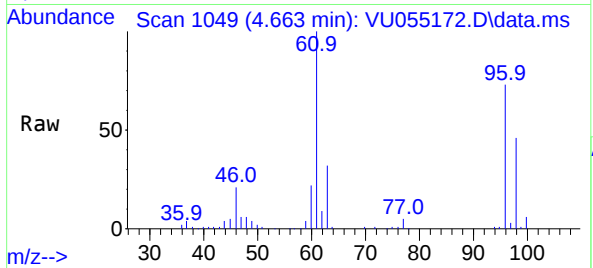
Tgt Ion: 63 Resp: 11355
Ion Ratio Lower Upper
63 100
65 34.0 22.2 41.2
83 14.8 10.6 19.8





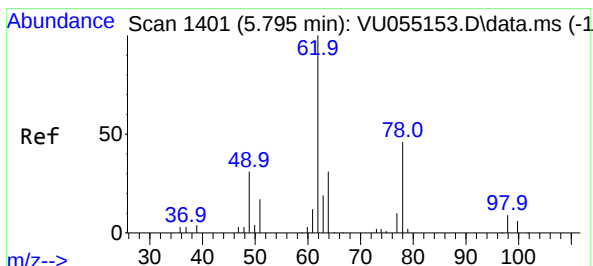
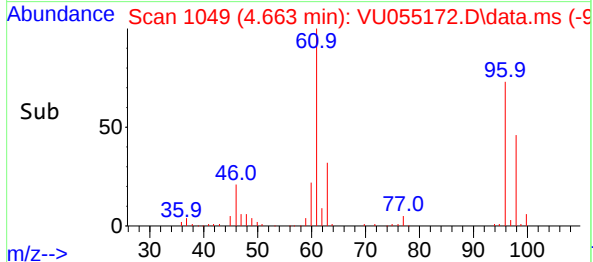
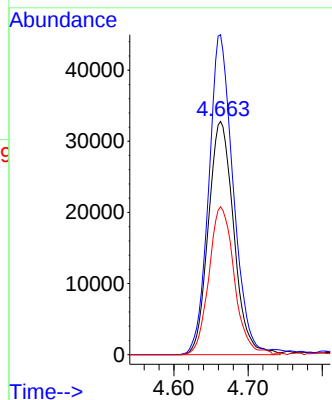
#22
 cis-1,2-Dichloroethene
 Concen: 8.272 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055172.D
 Acq: 07 Sep 2023 04:36

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 77908

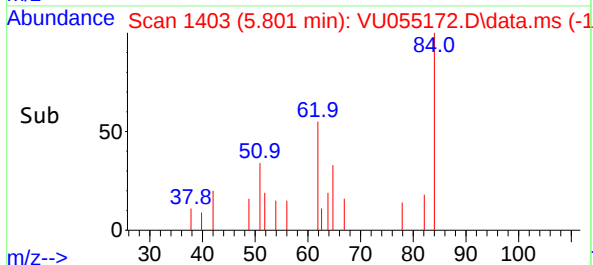
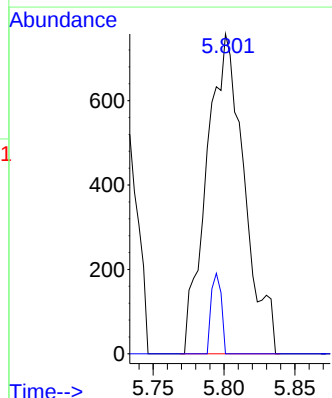
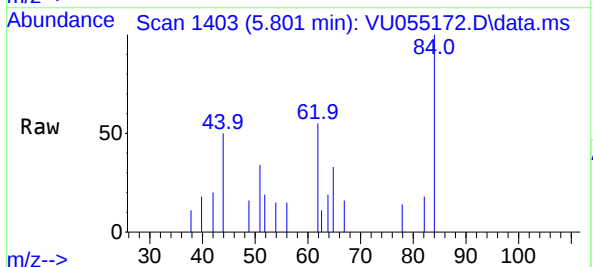
Ion	Ratio	Lower	Upper
96	100		
61	137.2	97.2	180.4
98	63.4	46.1	85.7

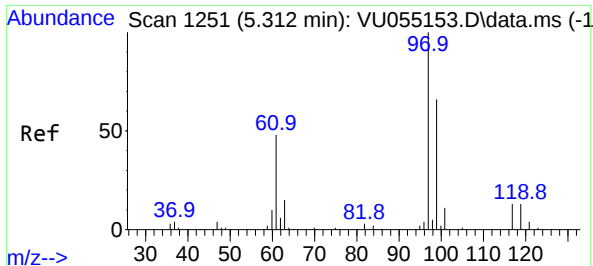


#27
 1,2-Dichloroethane
 Concen: 0.132 ug/L
 RT: 5.801 min Scan# 1403
 Delta R.T. 0.006 min
 Lab File: VU055172.D
 Acq: 07 Sep 2023 04:36

Tgt Ion: 62 Resp: 1396

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.9	10.3#



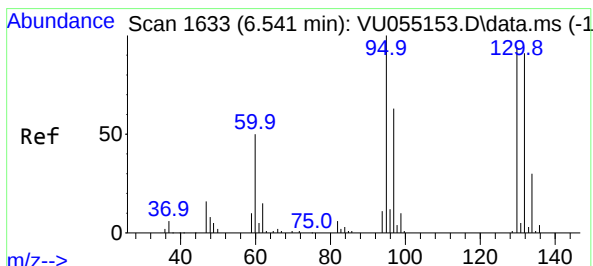
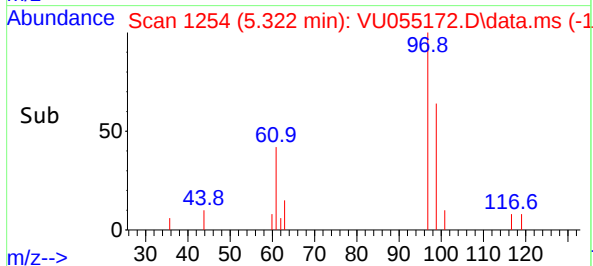
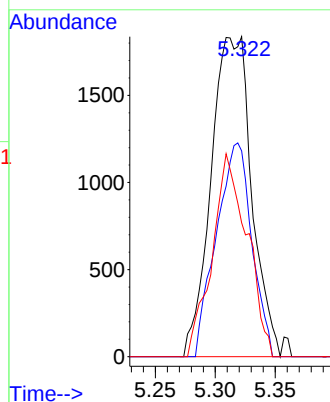
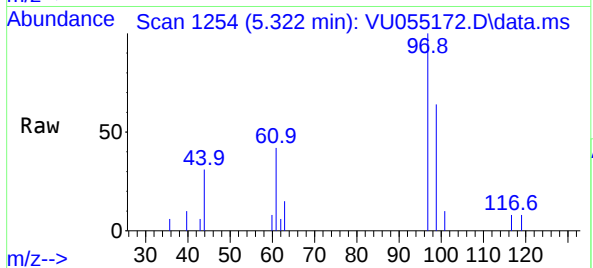


#29
1,1,1-Trichloroethane
Concen: 0.297 ug/L
RT: 5.322 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 4325

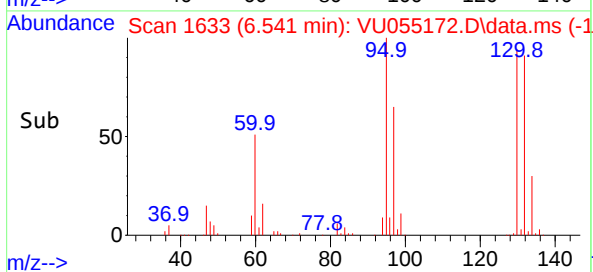
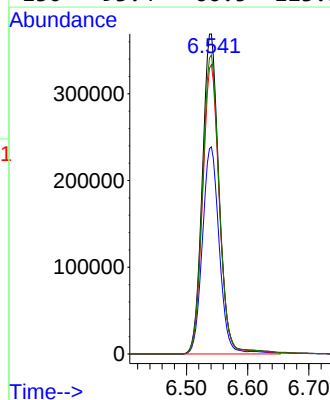
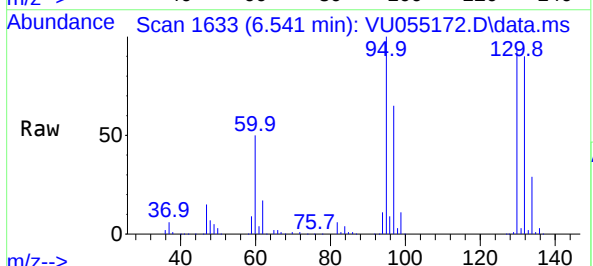
Ion	Ratio	Lower	Upper
97	100		
99	58.3	51.8	77.8
61	54.4	36.8	55.2

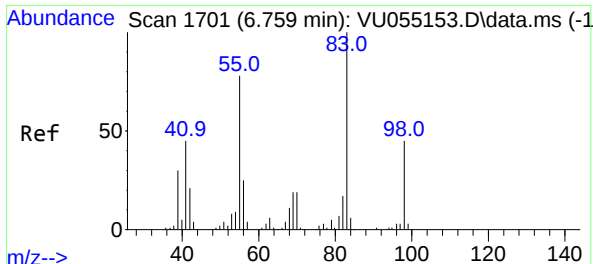


#34
Trichloroethene
Concen: 70.694 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Tgt Ion: 95 Resp: 704673

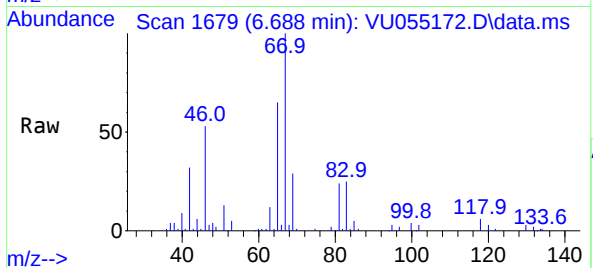
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.7	83.1
132	90.4	66.6	123.6
130	93.4	66.5	123.5



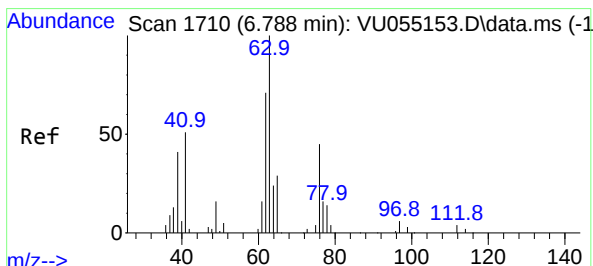
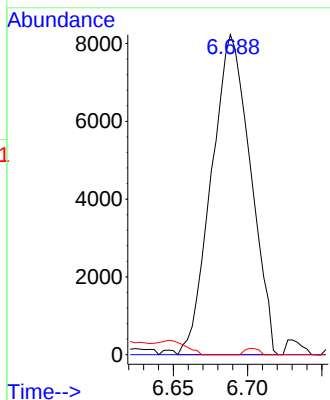
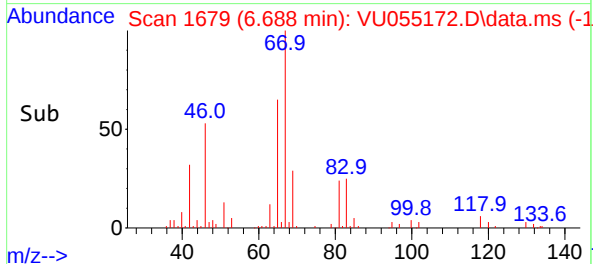


#35
Methylcyclohexane
Concen: 1.075 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

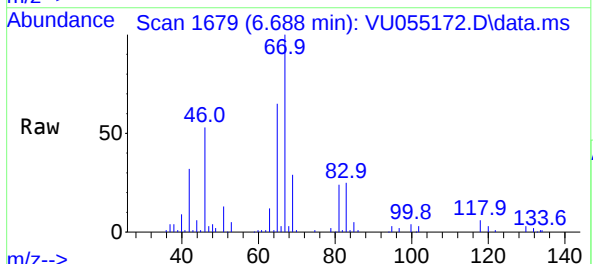
Instrument :
MSVOA_U
ClientSampleId :



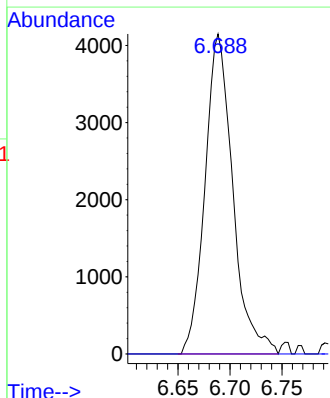
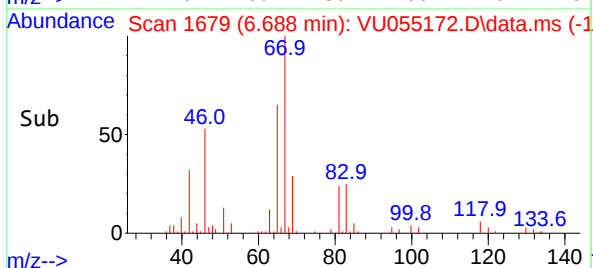
Tgt Ion: 83 Resp: 15038
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 0.0 35.3 52.9#

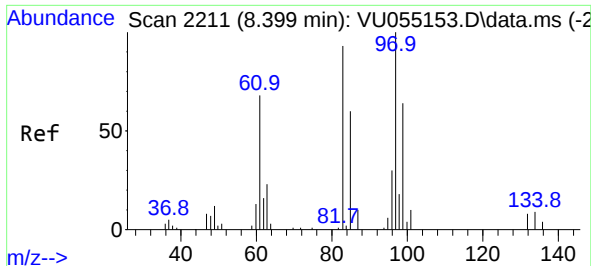


#37
1,2-Dichloropropane
Concen: 0.791 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36



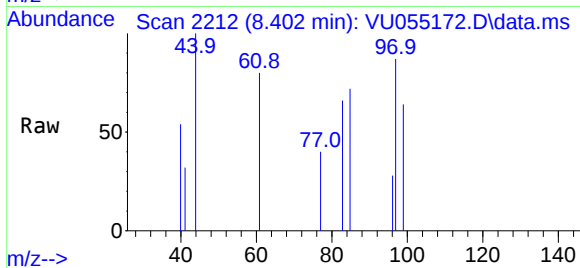
Tgt Ion: 63 Resp: 7720
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





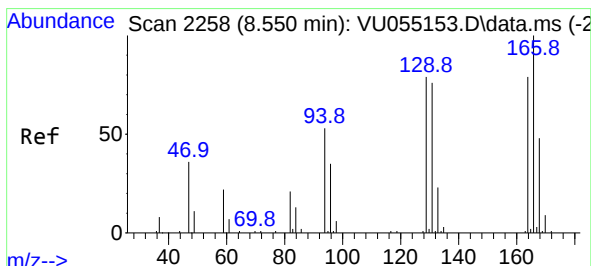
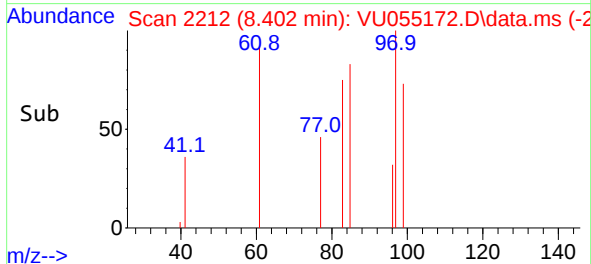
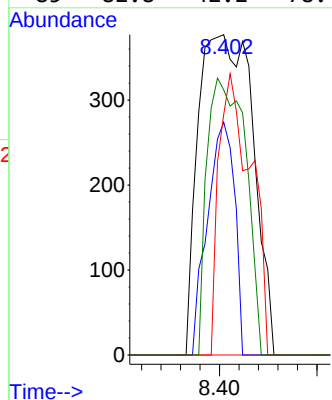
#45
1,1,2-Trichloroethane
Concen: 0.111 ug/L
RT: 8.402 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 732

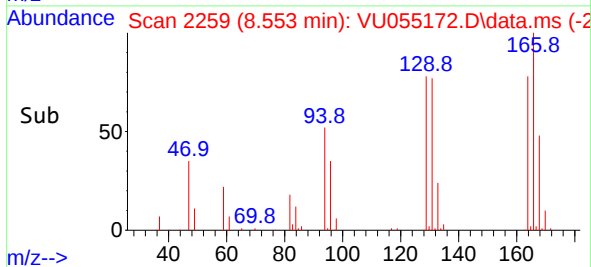
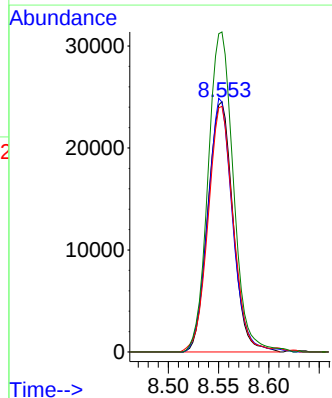
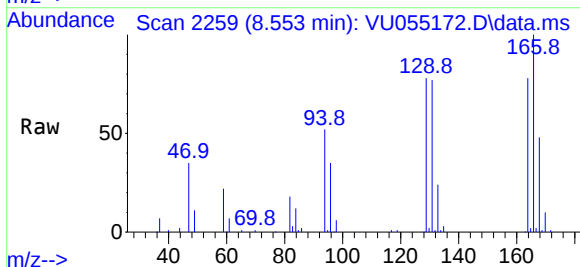
Ion	Ratio	Lower	Upper
97	100		
99	72.7	44.9	83.5
83	75.1	66.9	124.3
85	82.8	42.2	78.4

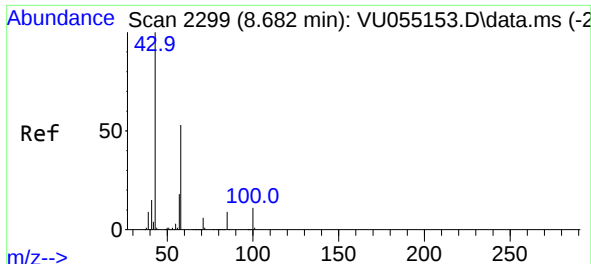


#47
Tetrachloroethene
Concen: 6.184 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.000 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Tgt Ion: 164 Resp: 42601

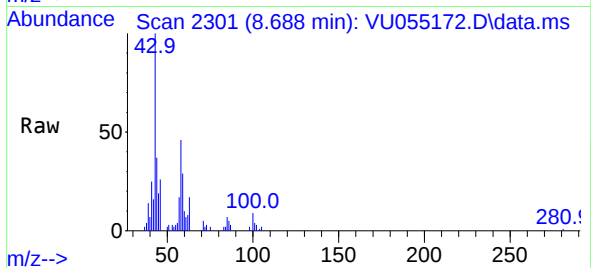
Ion	Ratio	Lower	Upper
164	100		
129	99.9	69.2	128.6
131	98.1	68.8	127.8
166	127.9	92.3	171.5



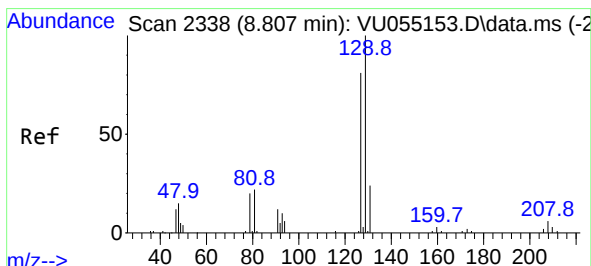
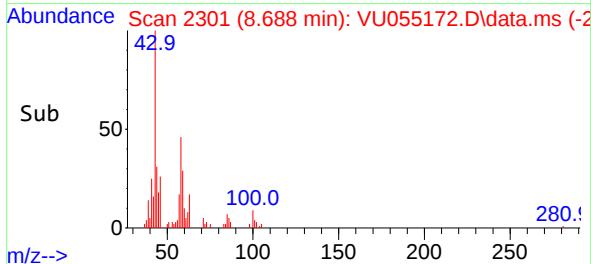
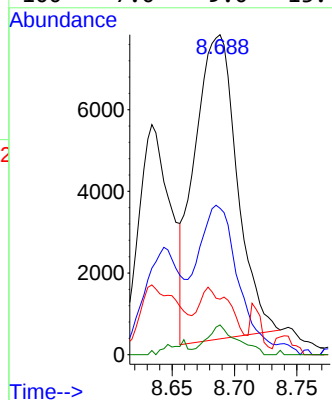


#48
2-Hexanone
Concen: 4.053 ug/L
RT: 8.688 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Instrument :
MSVOA_U
ClientSampleId :

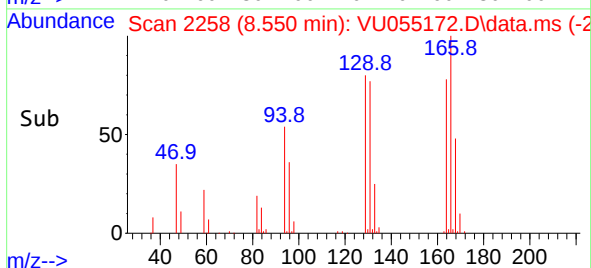
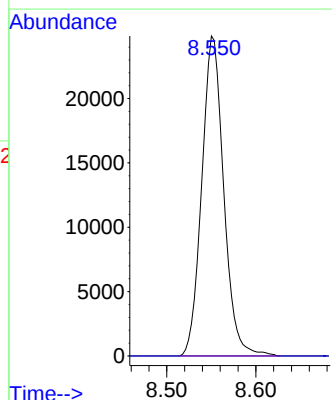
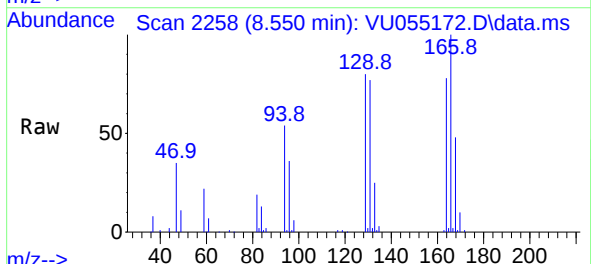


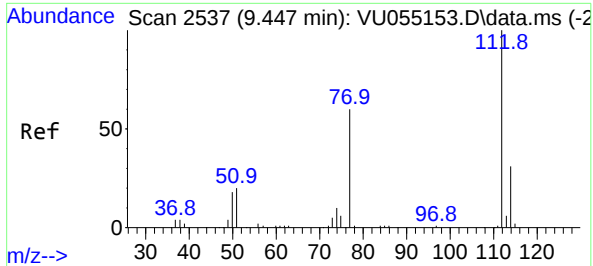
Tgt Ion: 43 Resp: 17685
Ion Ratio Lower Upper
43 100
58 41.9 44.0 66.0#
57 17.7 16.2 24.2
100 7.0 9.0 13.4#



#49
Dibromochloromethane
Concen: 5.925 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Tgt Ion: 129 Resp: 42542
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#

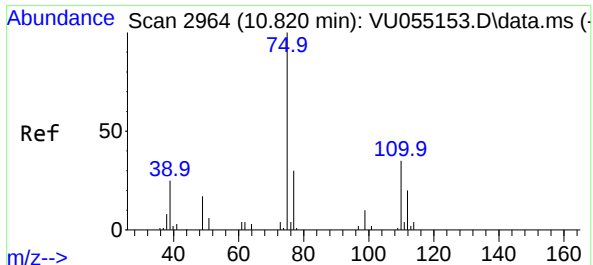
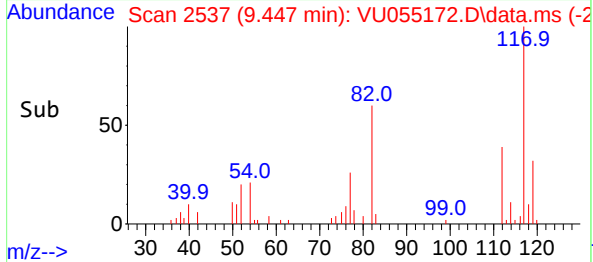
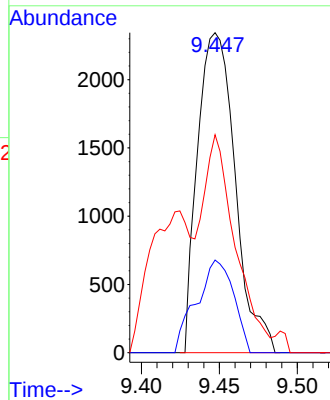
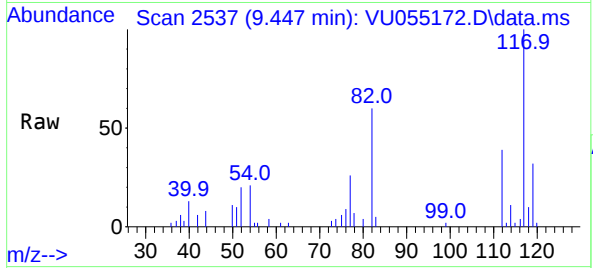




#51
Chlorobenzene
Concen: 0.156 ug/L
RT: 9.447 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

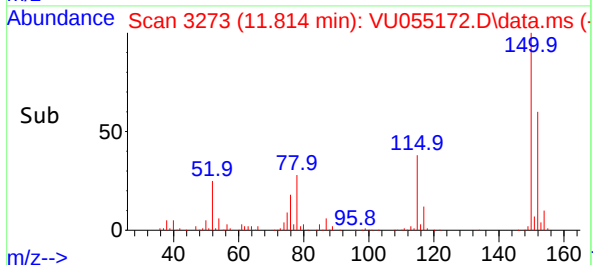
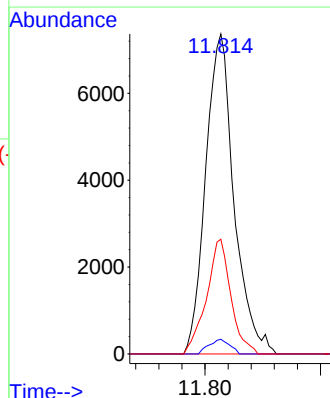
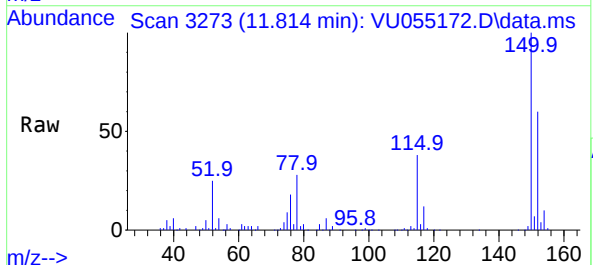
Instrument :
MSVOA_U
ClientSampleId :

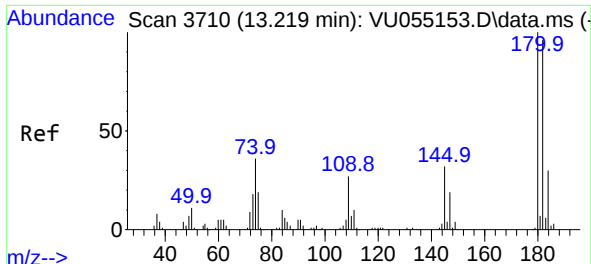
Tgt Ion:	112	Resp:	3945
Ion Ratio	Lower	Upper	
112	100		
114	29.0	21.7	40.3
77	68.1	48.6	72.8



#61
1,2,3-Trichloropropane
Concen: 2.274 ug/L
RT: 11.814 min Scan# 3273
Delta R.T. 0.994 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Tgt Ion:	75	Resp:	12559
Ion Ratio	Lower	Upper	
75	100		
110	3.3	28.2	42.2#
77	30.8	26.2	39.4





#69

1,3,5-Trichlorobenzene

Concen: 1.332 ug/L

RT: 13.842 min Scan# 3904

Delta R.T. 0.624 min

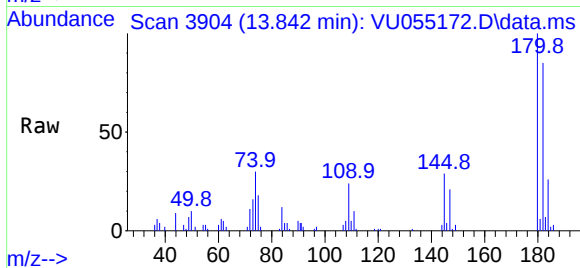
Lab File: VU055172.D

Acq: 07 Sep 2023 04:36

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 18756

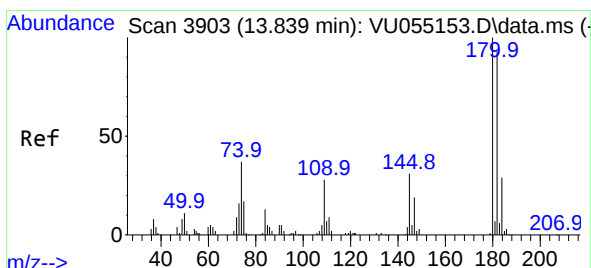
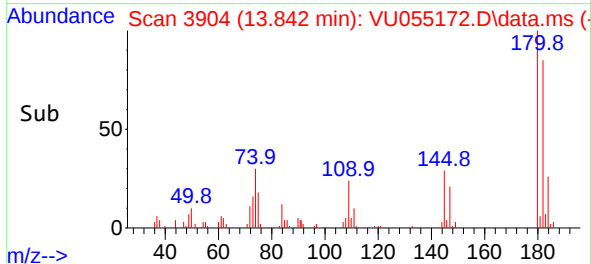
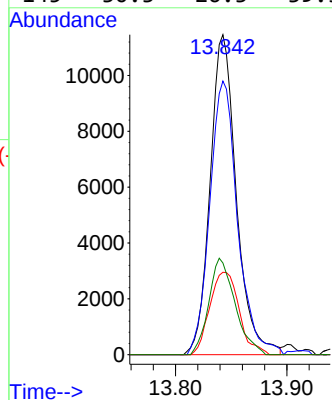
Ion Ratio Lower Upper

180 100

182 90.5 75.8 113.6

184 28.8 24.0 36.0

145 30.3 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 1.421 ug/L

RT: 13.842 min Scan# 3904

Delta R.T. 0.003 min

Lab File: VU055172.D

Acq: 07 Sep 2023 04:36

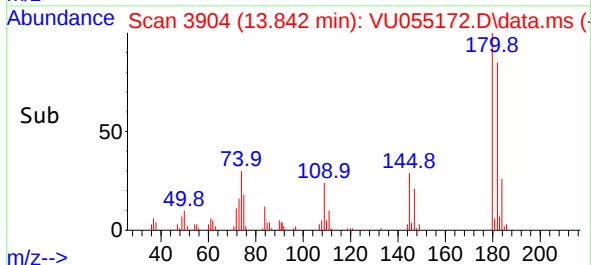
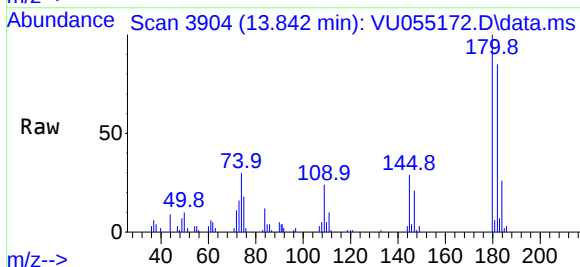
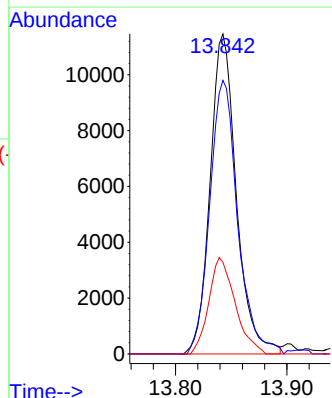
Tgt Ion:180 Resp: 18756

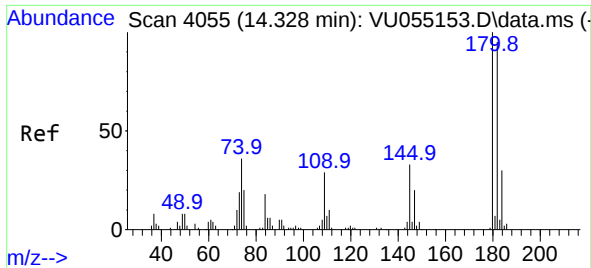
Ion Ratio Lower Upper

180 100

182 90.5 73.6 110.4

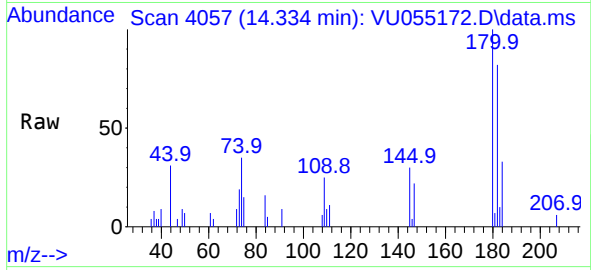
145 30.3 25.8 38.8





#72
1,2,3-Trichlorobenzene
Concen: 0.500 ug/L
RT: 14.334 min Scan# 4057
Delta R.T. 0.003 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	180	Resp:	5724
Ion	Ratio	Lower	Upper
180	100		
182	88.7	75.6	113.4
145	32.5	27.0	40.6

