

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055121.D
 Acq On : 06 Sep 2023 02:38
 Operator : MD/SY
 Sample : 04267-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 05:27:13 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)

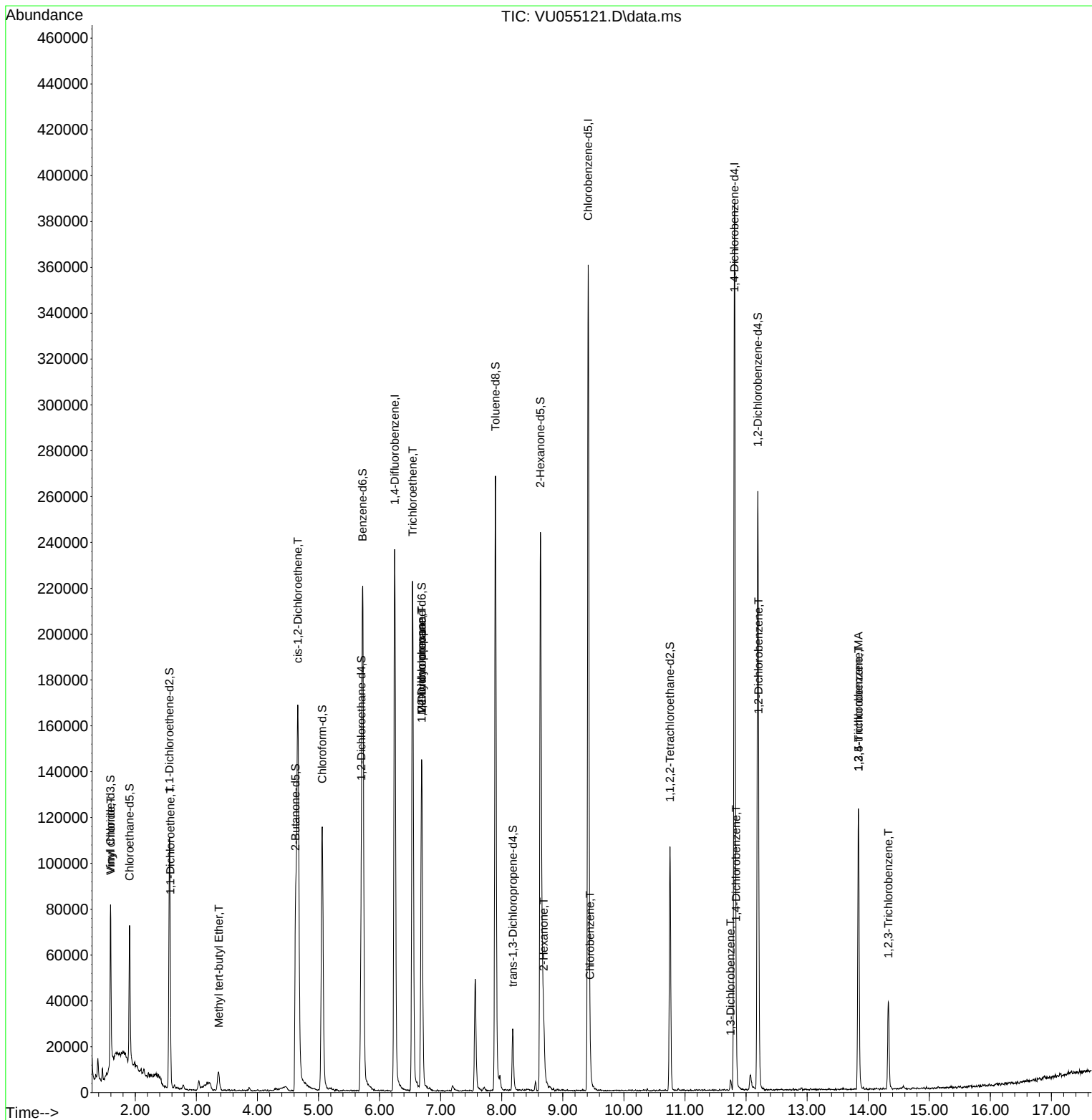
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	193895	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	195455	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	100034	5.000	ug/L	0.00

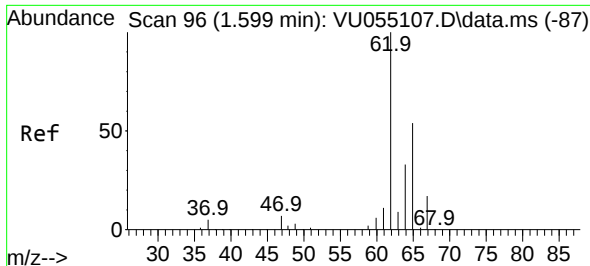
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	33884	3.729	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.600%
7) Chloroethane-d5	1.907	69	41001	3.898	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.560	65	21422	4.137	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	4.624	46	131247	49.769	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.540%
24) Chloroform-d	5.058	84	106490	4.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.701	65	56047	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.724	84	201746	4.182	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.689	67	67395	4.392	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.897	98	177109	3.985	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.184	79	15324	3.626	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.600%
46) 2-Hexanone-d5	8.634	63	80206	46.750	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.500%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	50995	4.725	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	66457	4.551	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%

Target Compounds				Qvalue		
5) Vinyl chloride	1.599	62	16266	1.344	ug/L #	57
12) 1,1-Dichloroethene	2.573	96	1635	0.182	ug/L #	1
17) Methyl tert-butyl Ether	3.367	73	8572	0.365	ug/L #	92
22) cis-1,2-Dichloroethene	4.663	96	76236	6.848	ug/L	99
34) Trichloroethene	6.541	95	76933	6.655	ug/L	97
35) Methylcyclohexane	6.689	83	14270	0.880	ug/L #	19
37) 1,2-Dichloropropane	6.692	63	7332	0.647	ug/L #	88
48) 2-Hexanone	8.688	43	18957	3.746	ug/L #	78
51) Chlorobenzene	9.447	112	3928	0.134	ug/L #	79
64) 1,3-Dichlorobenzene	11.746	146	2237	0.100	ug/L #	81
65) 1,4-Dichlorobenzene	11.836	146	5884	0.264	ug/L	90
67) 1,2-Dichlorobenzene	12.206	146	6239	0.297	ug/L	91
69) 1,3,5-Trichlorobenzene	13.843	180	35443	2.094	ug/L	99
70) 1,2,4-trichlorobenzene	13.843	180	35443	2.234	ug/L	98
72) 1,2,3-Trichlorobenzene	14.331	180	12016	0.872	ug/L	98

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

Quant Time: Sep 06 05:27:13 2023
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Response via : Initial Calibration

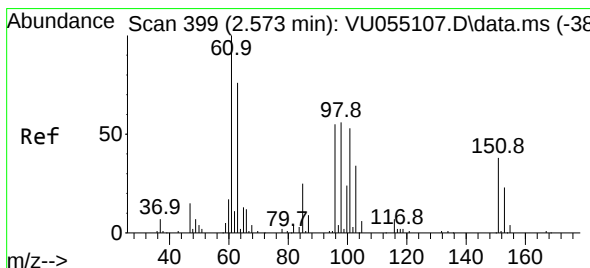
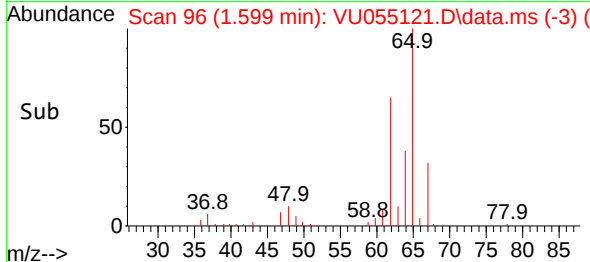
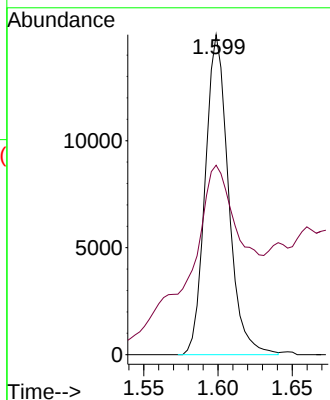
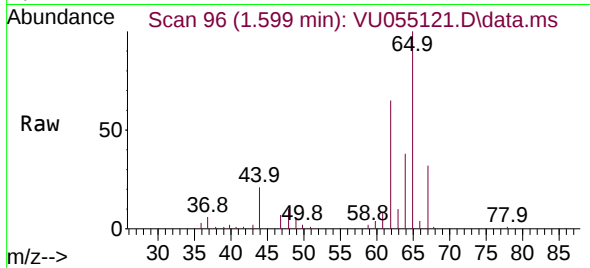




#5
 Vinyl chloride
 Concen: 1.344 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU055121.D
 Acq: 06 Sep 2023 02:38

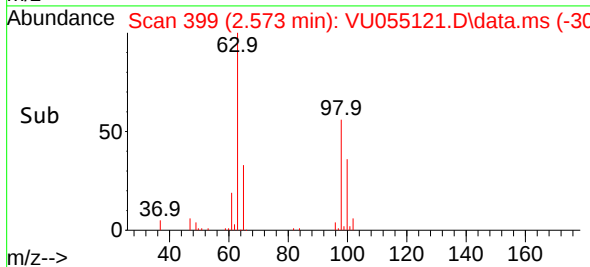
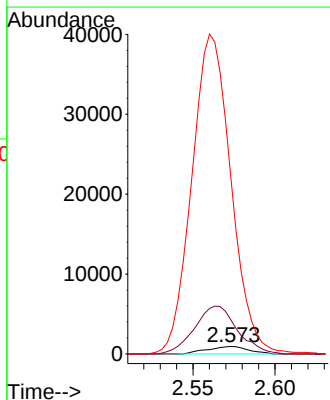
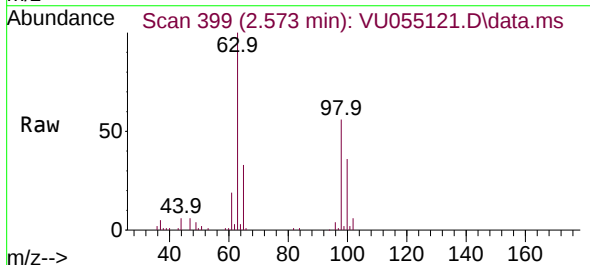
Instrument :
 MSVOA_U
 ClientSampleId :

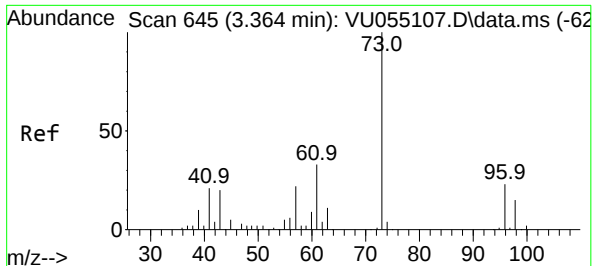
Tgt Ion: 62 Resp: 16266
 Ion Ratio Lower Upper
 62 100
 64 59.2 24.2 45.0#



#12
 1,1-Dichloroethene
 Concen: 0.182 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU055121.D
 Acq: 06 Sep 2023 02:38

Tgt Ion: 96 Resp: 1635
 Ion Ratio Lower Upper
 96 100
 61 461.8 120.8 224.4#
 63 2390.6 94.5 175.5#





#17

Methyl tert-butyl Ether

Concen: 0.365 ug/L

RT: 3.367 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU055121.D

Acq: 06 Sep 2023 02:38

Instrument :

MSVOA_U

ClientSampleId :

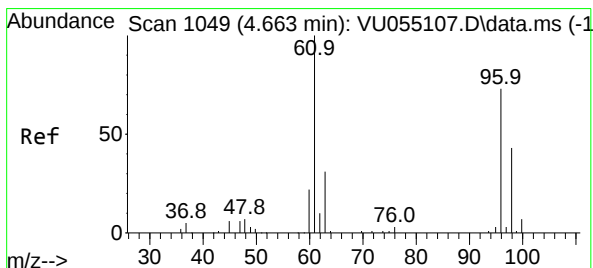
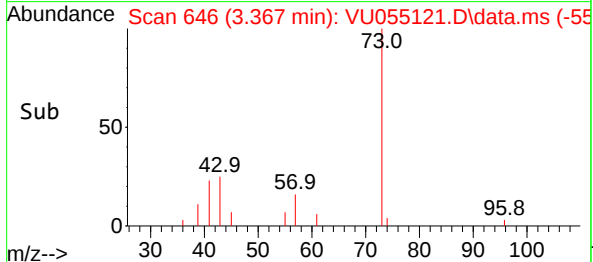
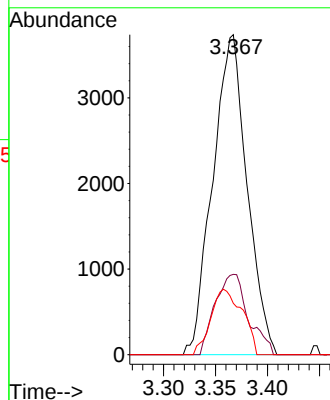
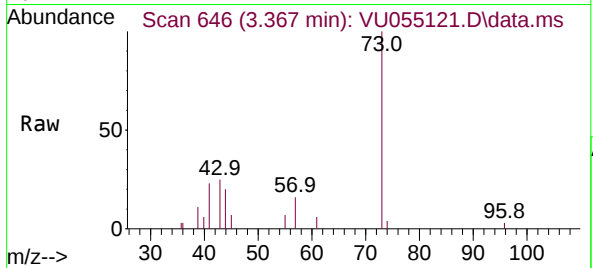
Tgt Ion: 73 Resp: 8572

Ion Ratio Lower Upper

73 100

43 24.4 16.2 24.2#

57 18.8 17.4 26.2



#22

cis-1,2-Dichloroethene

Concen: 6.848 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055121.D

Acq: 06 Sep 2023 02:38

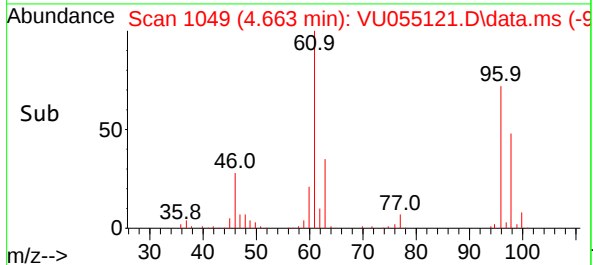
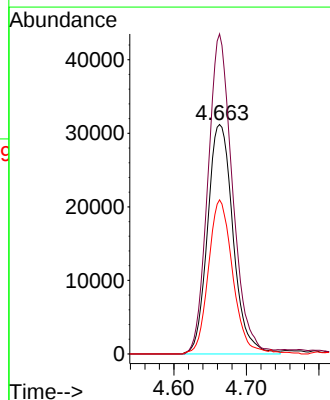
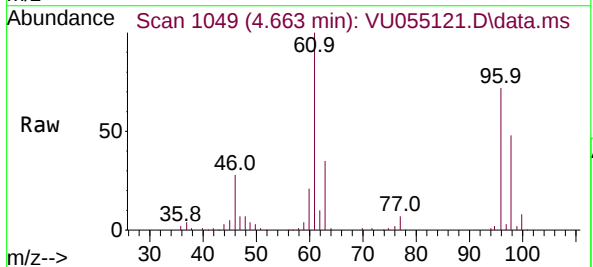
Tgt Ion: 96 Resp: 76236

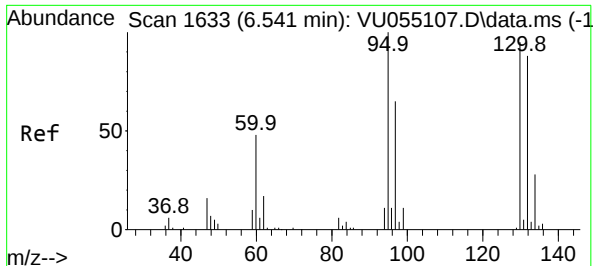
Ion Ratio Lower Upper

96 100

61 139.5 97.2 180.4

98 67.2 46.1 85.7

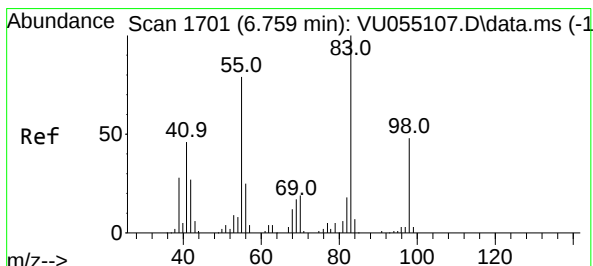
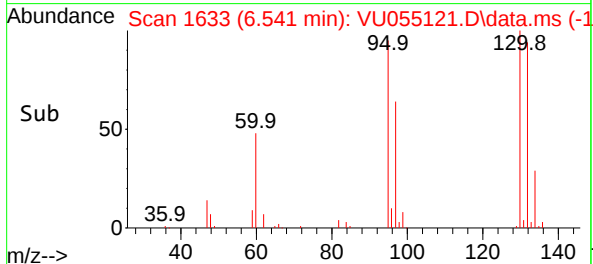
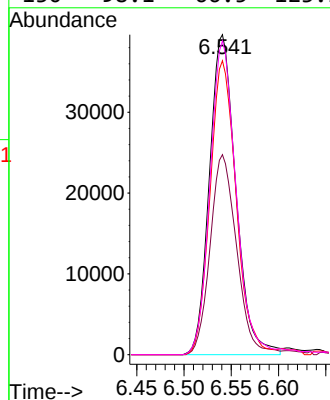
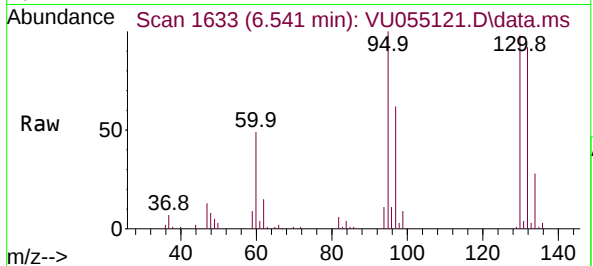




#34
Trichloroethene
Concen: 6.655 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

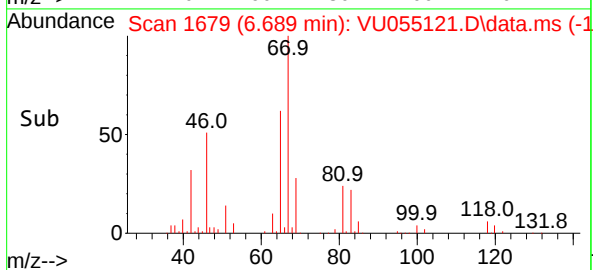
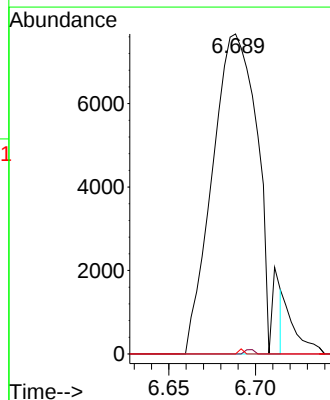
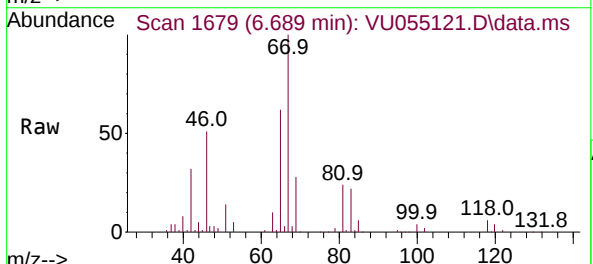
Instrument :
MSVOA_U
ClientSampleId :

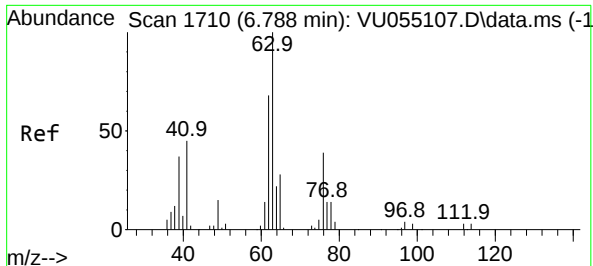
Tgt Ion: 95 Resp: 76933
Ion Ratio Lower Upper
95 100
97 62.5 44.7 83.1
132 91.8 66.6 123.6
130 98.1 66.5 123.5



#35
Methylcyclohexane
Concen: 0.880 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

Tgt Ion: 83 Resp: 14270
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 0.0 35.3 52.9#

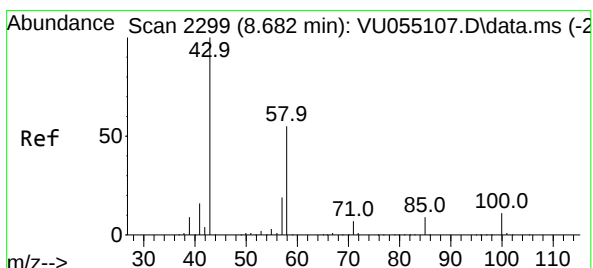
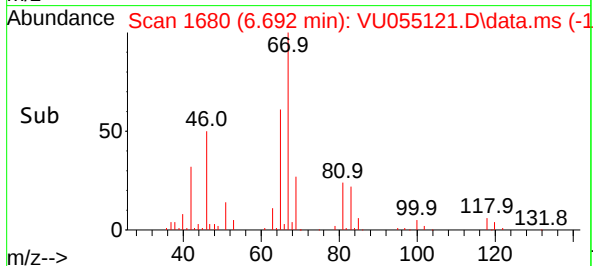
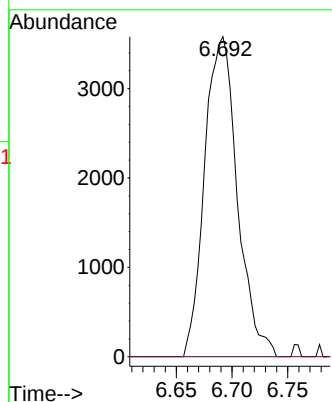
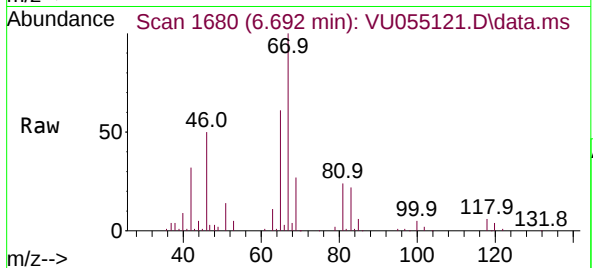




#37
1,2-Dichloropropane
Concen: 0.647 ug/L
RT: 6.692 min Scan# 11
Delta R.T. -0.096 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

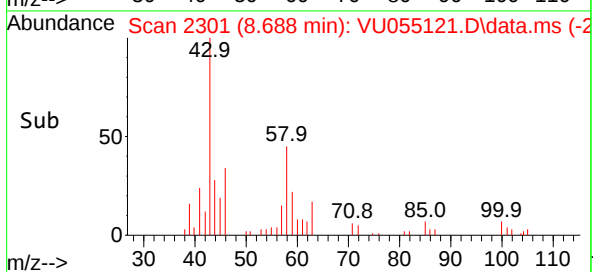
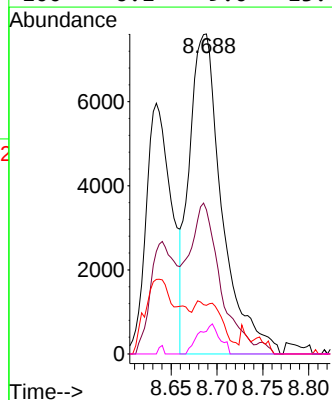
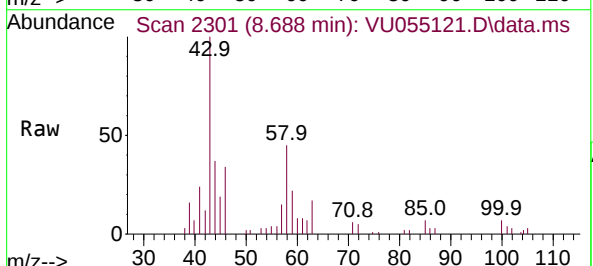
Instrument :
MSVOA_U
ClientSampleId :

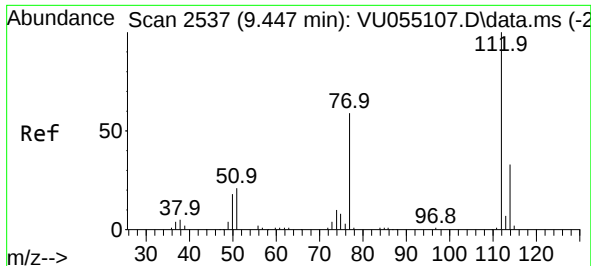
Tgt Ion: 63 Resp: 7332
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#48
2-Hexanone
Concen: 3.746 ug/L
RT: 8.688 min Scan# 2301
Delta R.T. 0.007 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

Tgt Ion: 43 Resp: 18957
Ion Ratio Lower Upper
43 100
58 43.2 44.0 66.0#
57 1.2 16.2 24.2#
100 6.1 9.0 13.4#

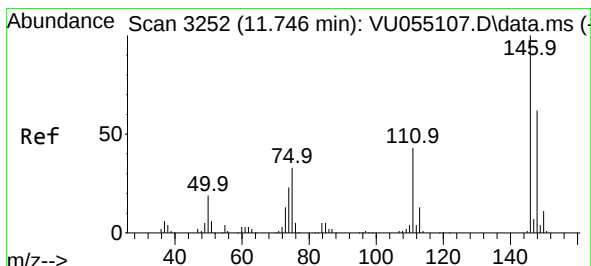
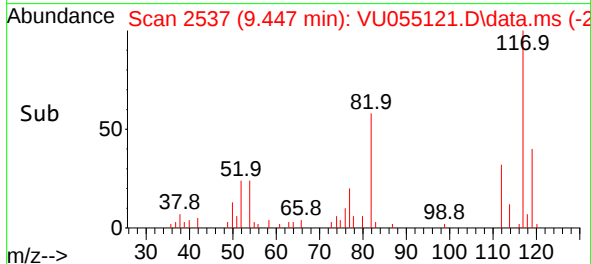
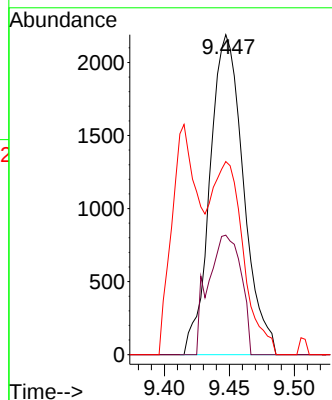
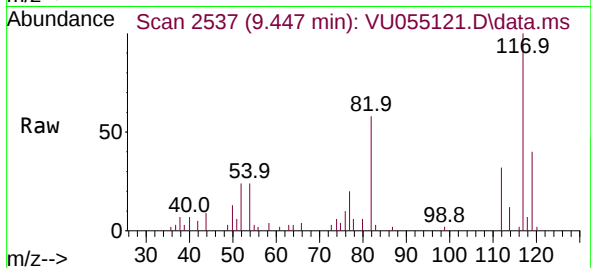




#51
Chlorobenzene
Concen: 0.134 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.000 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

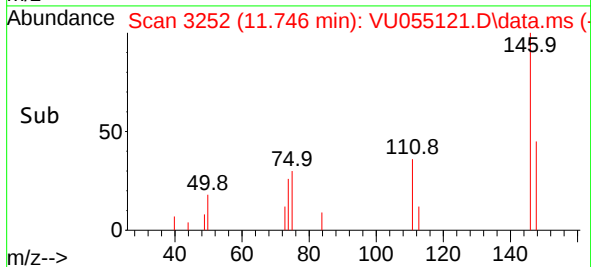
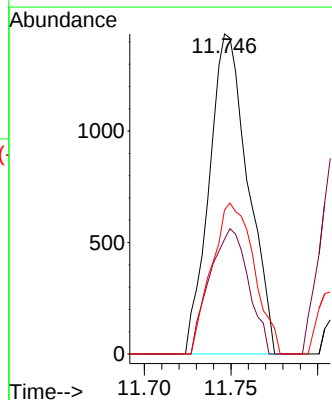
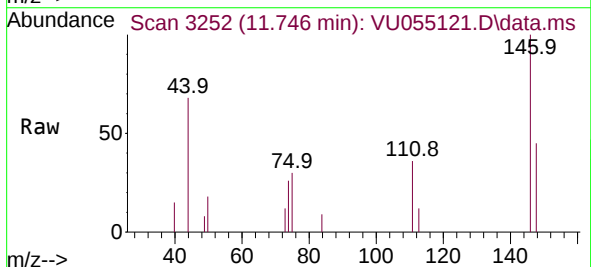
Instrument :
MSVOA_U
ClientSampleId :

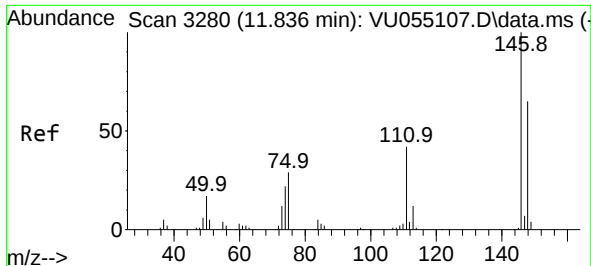
Tgt Ion:112 Resp: 3928
Ion Ratio Lower Upper
112 100
114 37.4 21.7 40.3
77 79.9 48.6 72.8#



#64
1,3-Dichlorobenzene
Concen: 0.100 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.000 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

Tgt Ion:146 Resp: 2237
Ion Ratio Lower Upper
146 100
111 35.9 30.0 55.6
148 45.0 45.2 84.0#





#65

1,4-Dichlorobenzene

Concen: 0.264 ug/L

RT: 11.836 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055121.D

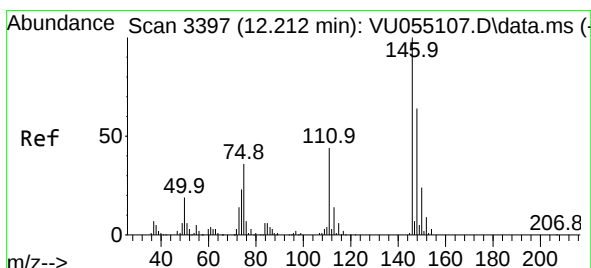
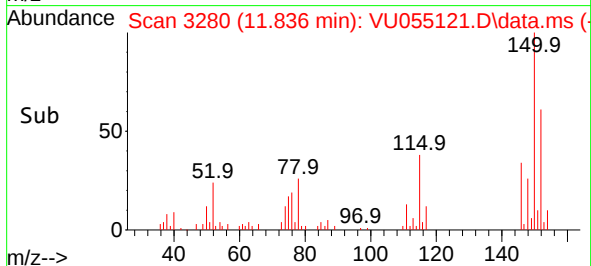
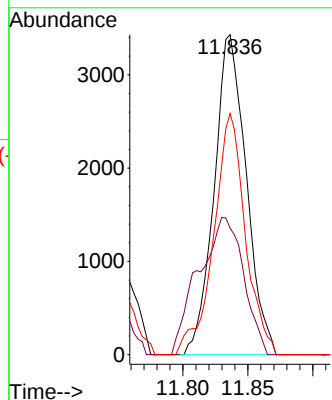
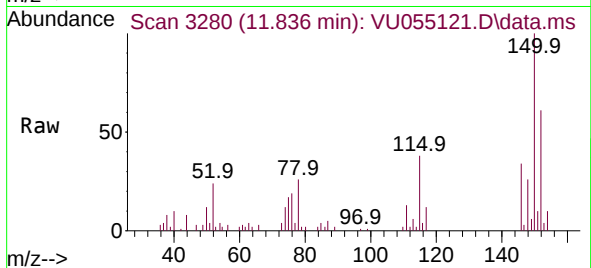
Acq: 06 Sep 2023 02:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	146	Resp:	5884
Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.1	52.1
148	75.3	43.8	81.3



#67

1,2-Dichlorobenzene

Concen: 0.297 ug/L

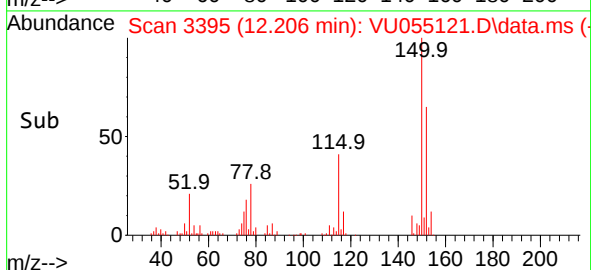
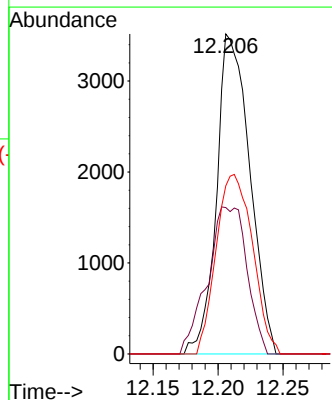
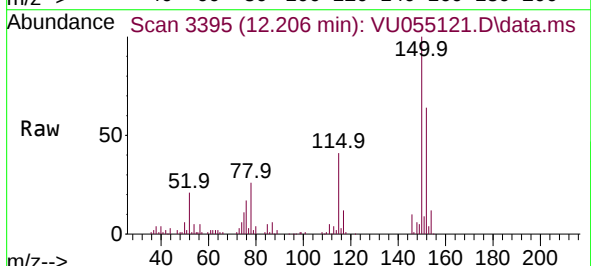
RT: 12.206 min Scan# 3395

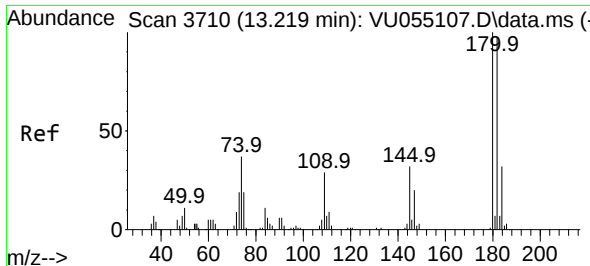
Delta R.T. -0.006 min

Lab File: VU055121.D

Acq: 06 Sep 2023 02:38

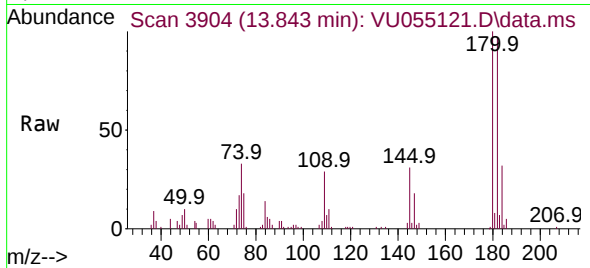
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Ion	Ratio	Lower	Upper
146	100		
111	45.8	35.6	53.4
148	52.6	51.3	76.9



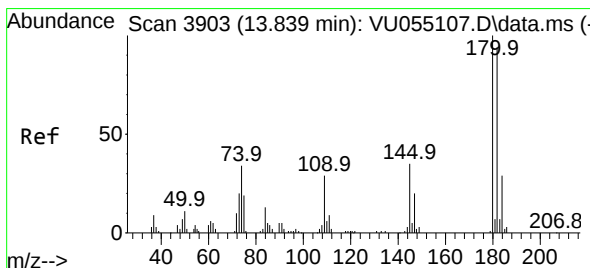
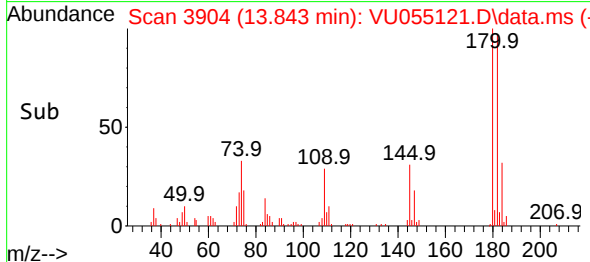
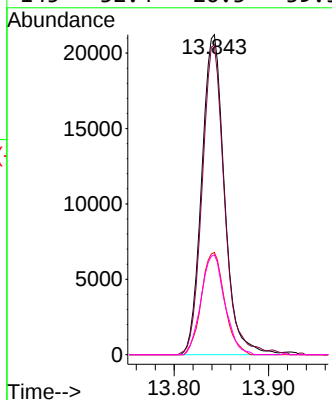


#69
 1,3,5-Trichlorobenzene
 Concen: 2.094 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.624 min
 Lab File: VU055121.D
 Acq: 06 Sep 2023 02:38

Instrument :
 MSVOA_U
 ClientSampleId :

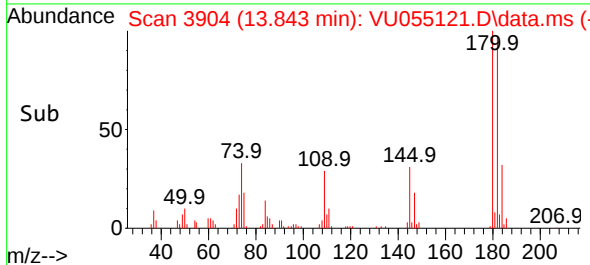
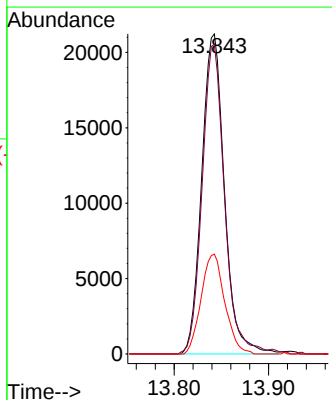
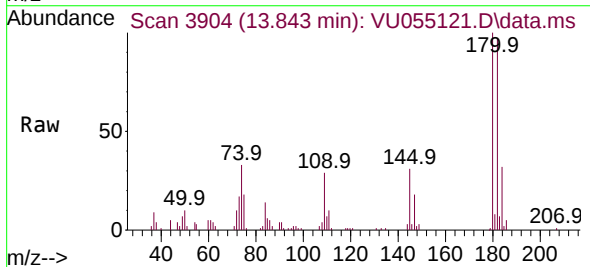


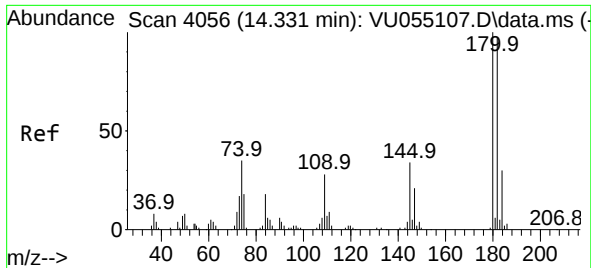
Tgt Ion:180 Resp: 35443
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.6
 184 32.6 24.0 36.0
 145 32.4 26.3 39.5



#70
 1,2,4-trichlorobenzene
 Concen: 2.234 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.003 min
 Lab File: VU055121.D
 Acq: 06 Sep 2023 02:38

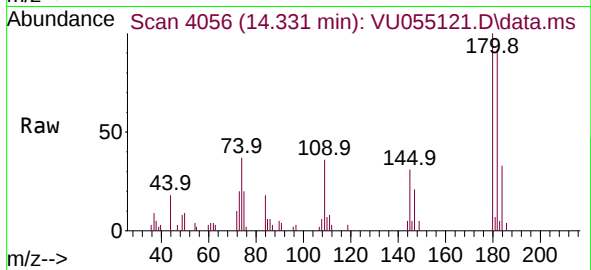
Tgt Ion:180 Resp: 35443
 Ion Ratio Lower Upper
 180 100
 182 94.7 73.6 110.4
 145 32.4 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 0.872 ug/L
 RT: 14.331 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VU055121.D
 Acq: 06 Sep 2023 02:38

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	12016
Ion Ratio	Lower	Upper	
180	100		
182	93.9	75.6	113.4
145	30.3	27.0	40.6

