

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055640.D
 Acq On : 03 Oct 2023 14:54
 Operator : MD/SY
 Sample : 04679-04DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 04:43:31 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)

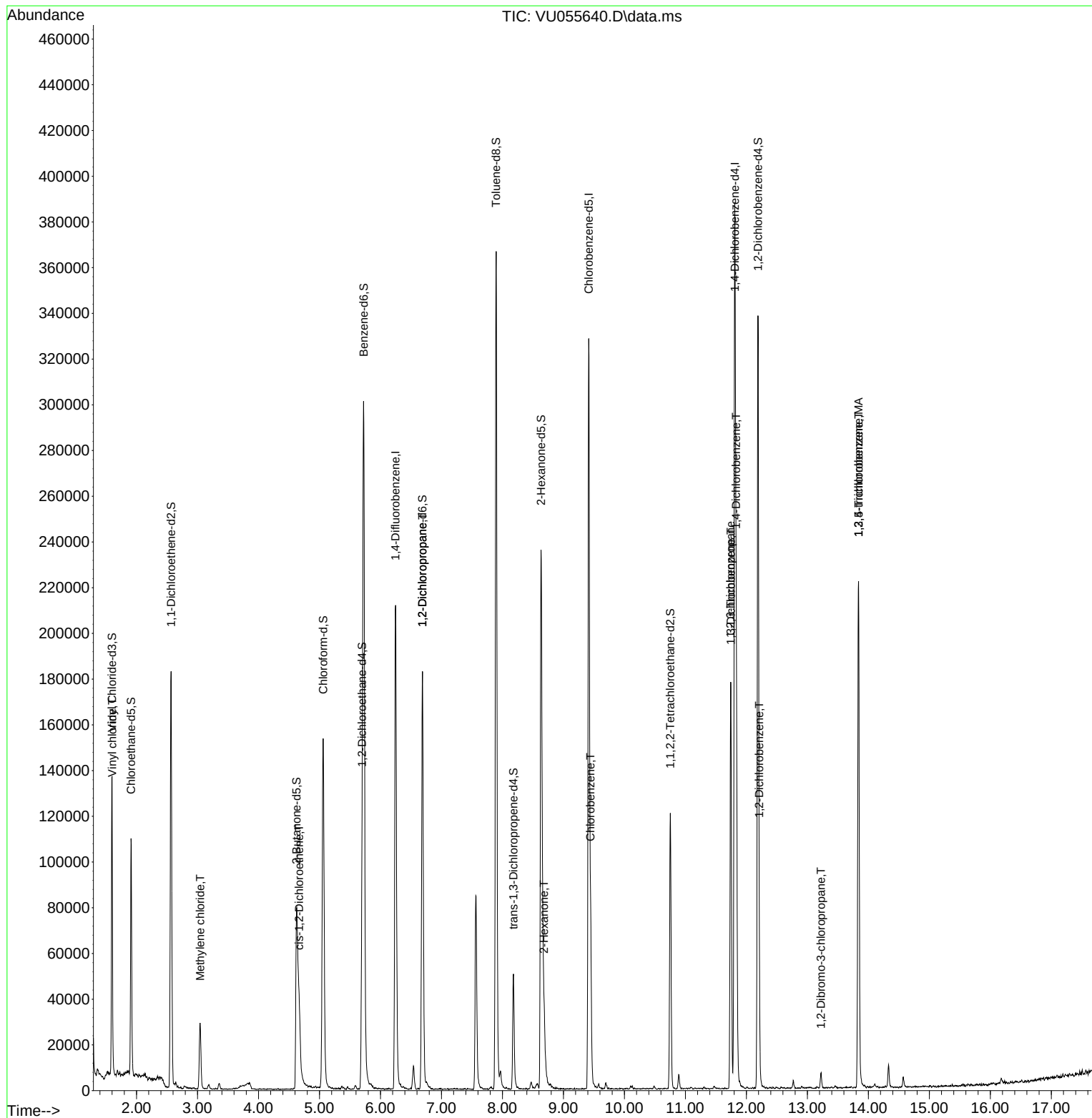
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	178093	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	180420	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	97762	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	90730	5.041	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 100.800%		
7) Chloroethane-d5	1.911	69	71051	4.479	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 89.600%		
11) 1,1-Dichloroethene-d2	2.566	65	33016	4.456	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 89.200%		
20) 2-Butanone-d5	4.624	46	128935	39.658	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	= 79.320%		
24) Chloroform-d	5.062	84	145654	4.474	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 89.400%		
26) 1,2-Dichloroethane-d4	5.698	65	67248	4.294	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 85.800%		
32) Benzene-d6	5.724	84	293615	4.653	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 93.000%		
36) 1,2-Dichloropropane-d6	6.689	67	88176	4.676	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 93.600%		
41) Toluene-d8	7.897	98	252270	4.386	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 87.800%		
43) trans-1,3-Dichloroprop...	8.180	79	30273	4.575	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 91.600%		
46) 2-Hexanone-d5	8.634	63	74947	37.237	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 74.480%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	61849	4.377	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 87.600%		
66) 1,2-Dichlorobenzene-d4	12.190	152	86846	4.401	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 88.000%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	2028	0.123	ug/L #	7
16) Methylene chloride	3.046	84	14421	0.967	ug/L	98
22) cis-1,2-Dichloroethene	4.666	96	11093	0.762	ug/L	85
37) 1,2-Dichloropropane	6.689	63	9705	0.715	ug/L #	90
48) 2-Hexanone	8.682	43	16888	3.537	ug/L #	82
51) Chlorobenzene	9.444	112	38206	1.077	ug/L	99
61) 1,2,3-Trichloropropane	11.743	75	22286	2.920	ug/L #	47
64) 1,3-Dichlorobenzene	11.746	146	71481	2.650	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	73798	2.737	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	7791	0.315	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.222	75	423	0.320	ug/L #	2
69) 1,3,5-Trichlorobenzene	13.839	180	69004	3.715	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	69004	4.872	ug/L	98

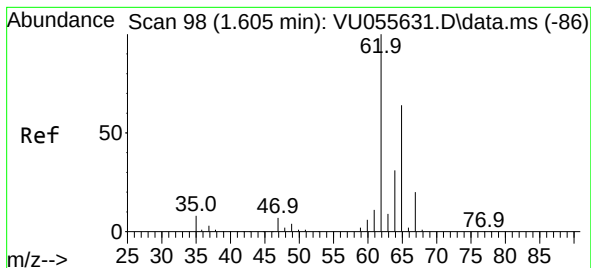
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.123 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

Instrument :

MSVOA_U

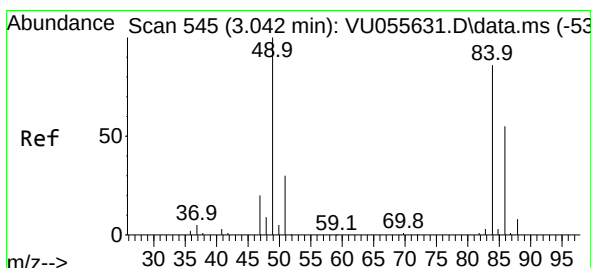
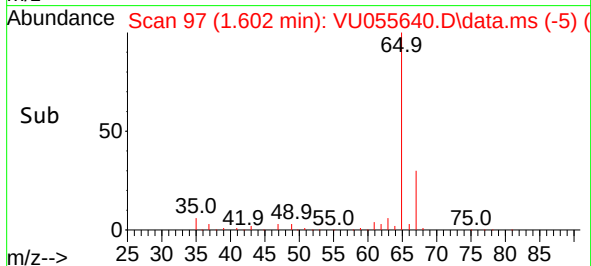
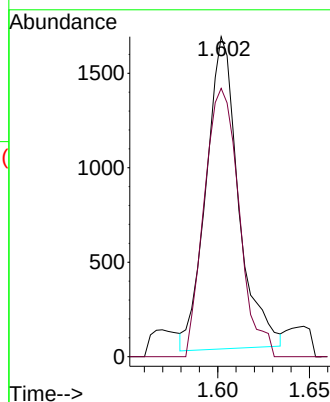
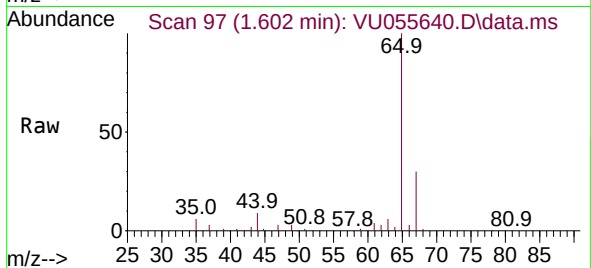
ClientSampleId :

Tgt Ion: 62 Resp: 2028

Ion Ratio Lower Upper

62 100

64 83.8 22.3 41.5#



#16

Methylene chloride

Concen: 0.967 ug/L

RT: 3.046 min Scan# 546

Delta R.T. 0.003 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

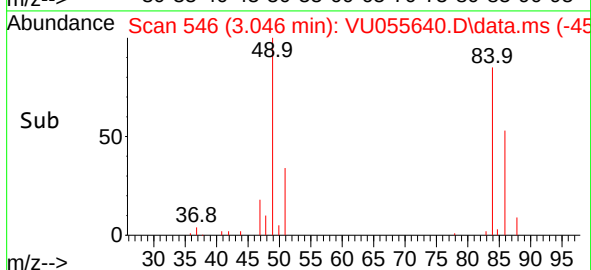
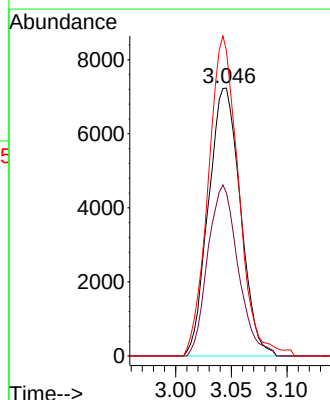
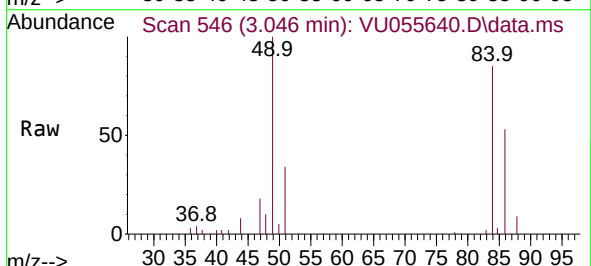
Tgt Ion: 84 Resp: 14421

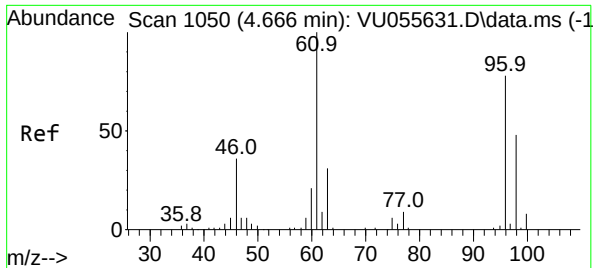
Ion Ratio Lower Upper

84 100

86 60.9 44.9 83.3

49 114.0 78.8 146.3

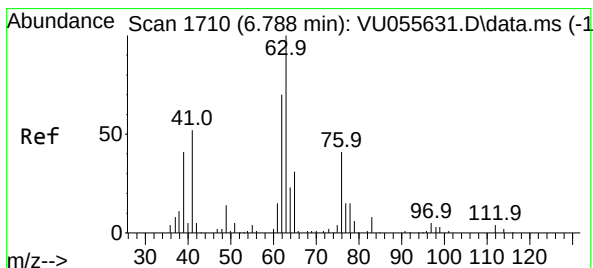
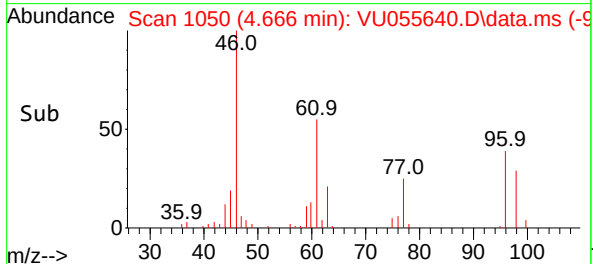
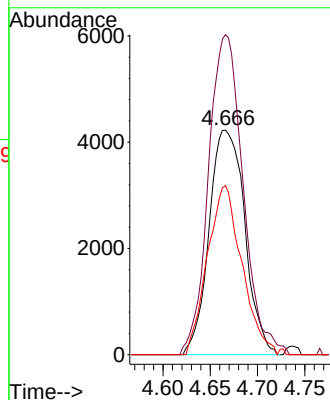
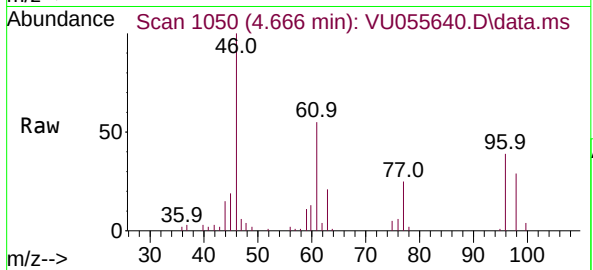




#22
 cis-1,2-Dichloroethene
 Concen: 0.762 ug/L
 RT: 4.666 min Scan# 11093
 Delta R.T. 0.000 min
 Lab File: VU055640.D
 Acq: 03 Oct 2023 14:54

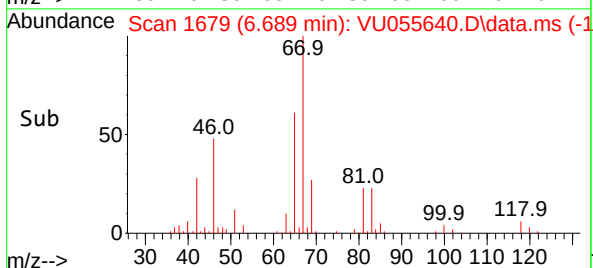
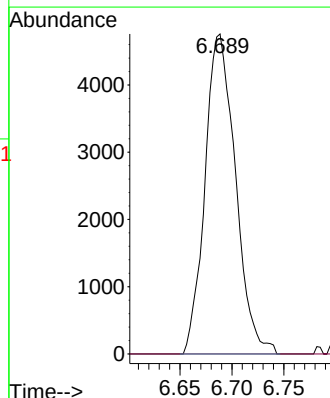
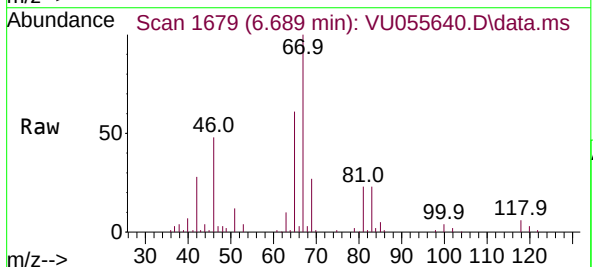
Instrument :
 MSVOA_U
 ClientSampleId :

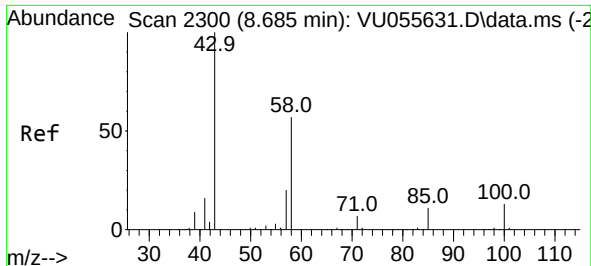
Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.5	87.8	163.2
98	75.3	44.4	82.4



#37
 1,2-Dichloropropane
 Concen: 0.715 ug/L
 RT: 6.689 min Scan# 1679
 Delta R.T. -0.100 min
 Lab File: VU055640.D
 Acq: 03 Oct 2023 14:54

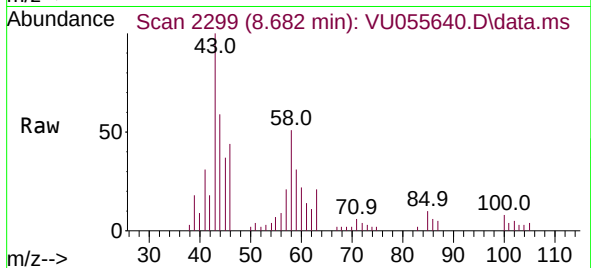
Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.4	3.0	4.6#



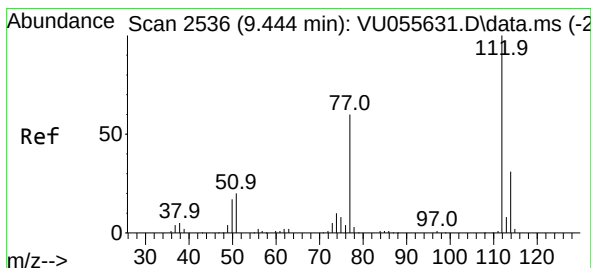
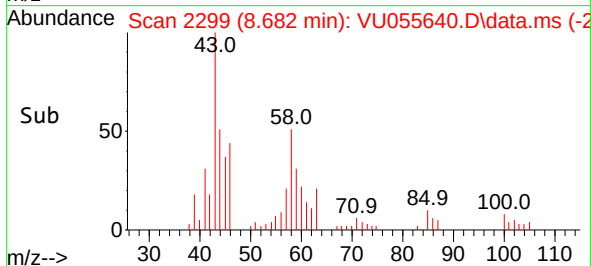
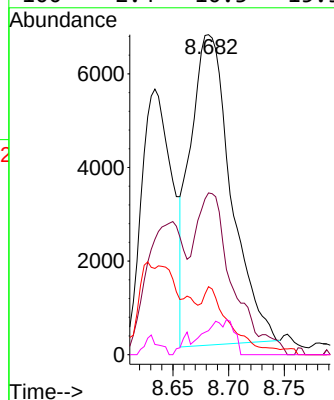


#48
2-Hexanone
Concen: 3.537 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055640.D
Acq: 03 Oct 2023 14:54

Instrument :
MSVOA_U
ClientSampleId :

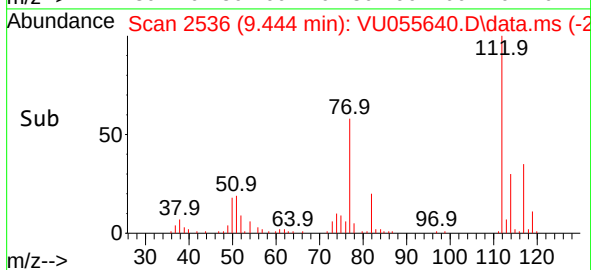
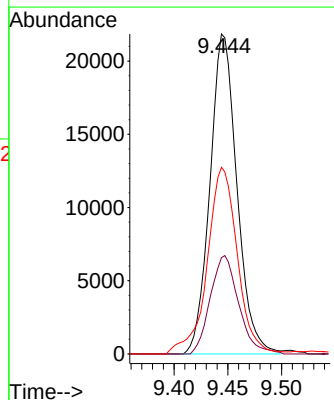
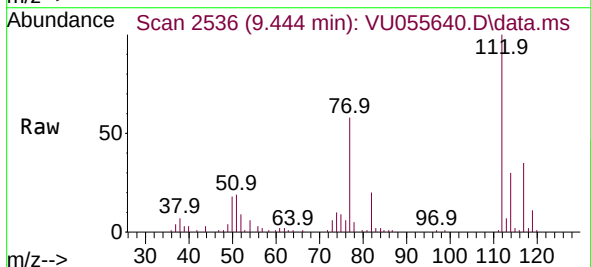


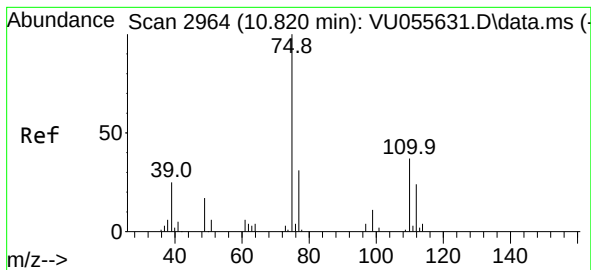
Tgt Ion:	43	Resp:	16888
Ion	Ratio	Lower	Upper
43	100		
58	48.7	48.5	72.7
57	12.3	17.0	25.4#
100	2.4	10.3	15.5#



#51
Chlorobenzene
Concen: 1.077 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055640.D
Acq: 03 Oct 2023 14:54

Tgt Ion:	112	Resp:	38206
Ion	Ratio	Lower	Upper
112	100		
114	30.1	22.0	40.8
77	58.3	46.9	70.3





#61

1,2,3-Trichloropropane

Concen: 2.920 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.923 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

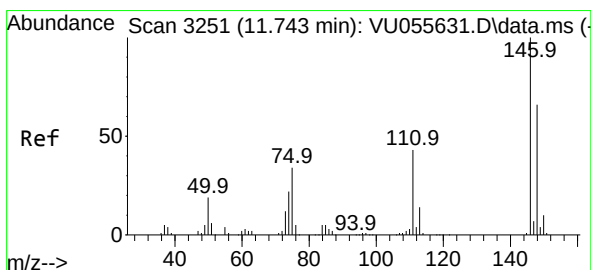
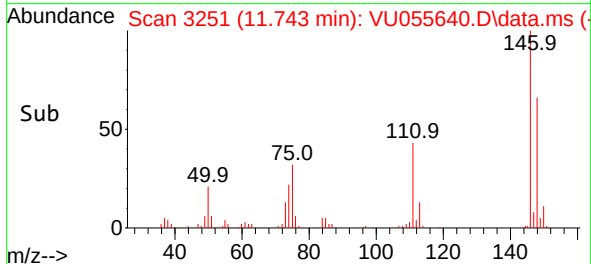
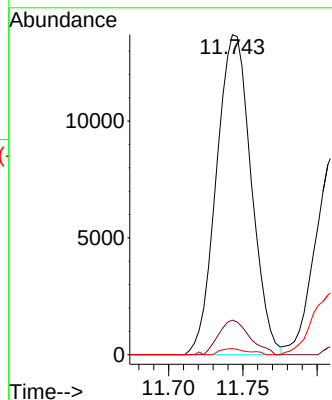
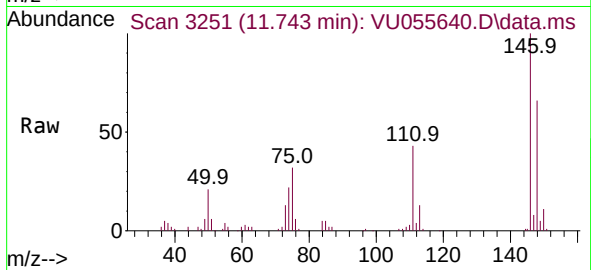
Tgt Ion: 75 Resp: 22286

Ion Ratio Lower Upper

75 100

110 9.6 30.6 45.8#

77 0.0 26.7 40.1#



#64

1,3-Dichlorobenzene

Concen: 2.650 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

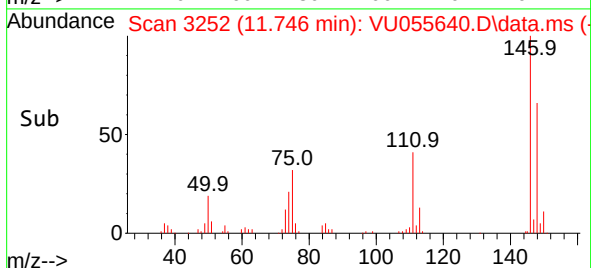
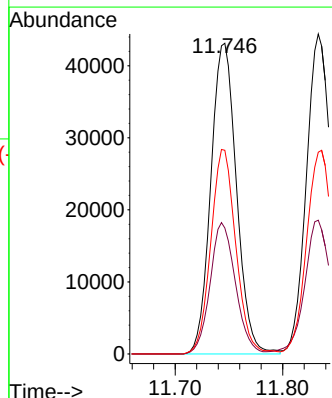
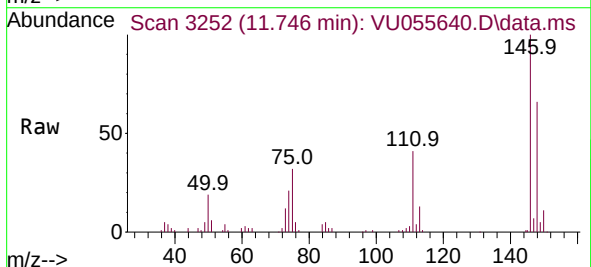
Tgt Ion:146 Resp: 71481

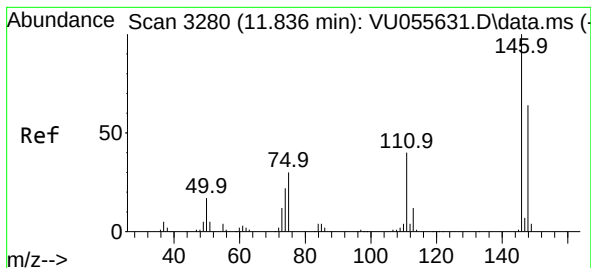
Ion Ratio Lower Upper

146 100

111 40.5 28.8 53.6

148 65.6 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 2.737 ug/L

RT: 11.833 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

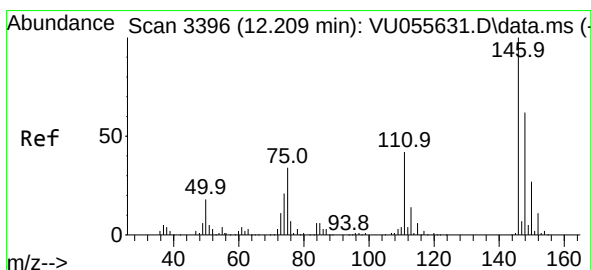
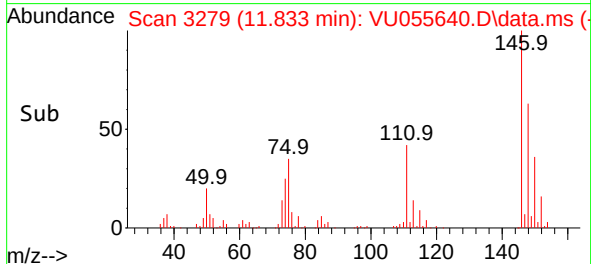
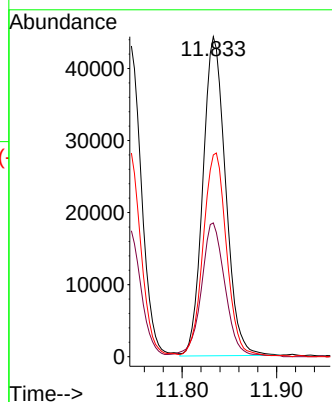
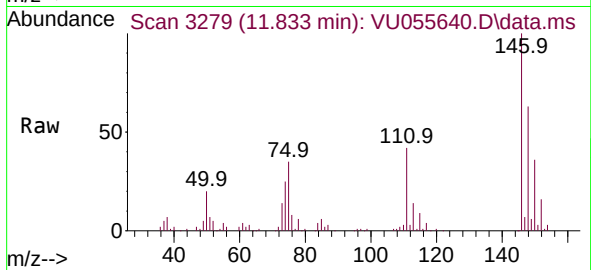
Tgt Ion:146 Resp: 73798

Ion Ratio Lower Upper

146 100

111 41.8 29.0 53.8

148 63.0 45.4 84.4



#67

1,2-Dichlorobenzene

Concen: 0.315 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

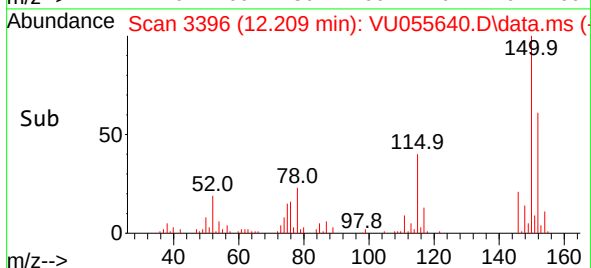
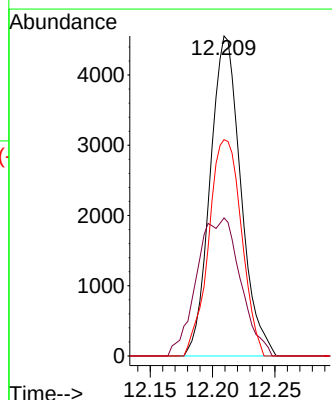
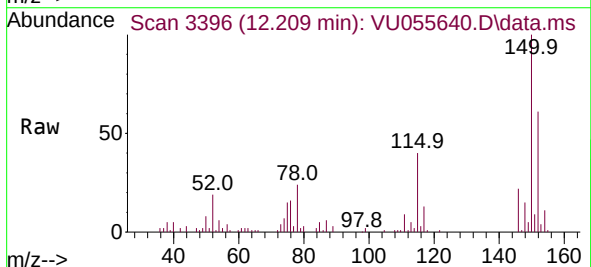
Tgt Ion:146 Resp: 7791

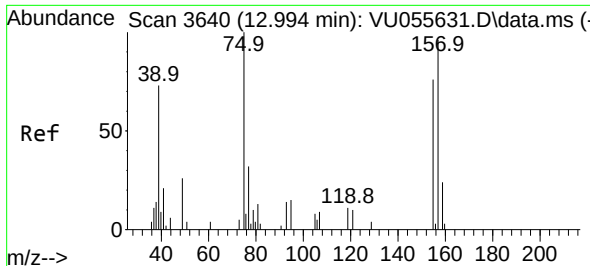
Ion Ratio Lower Upper

146 100

111 43.2 34.6 52.0

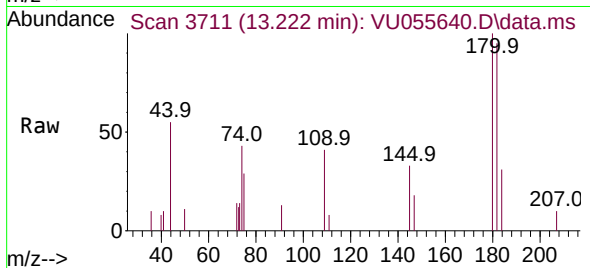
148 67.6 51.8 77.8



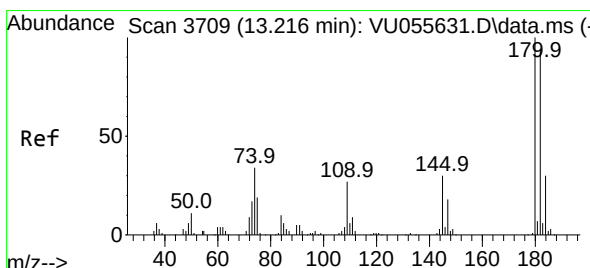
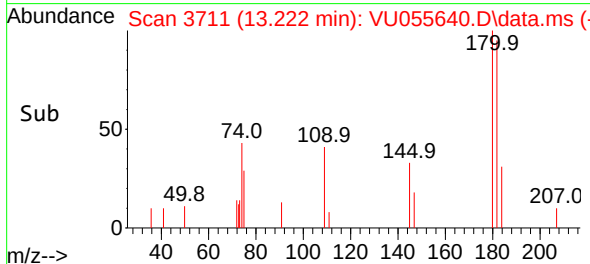
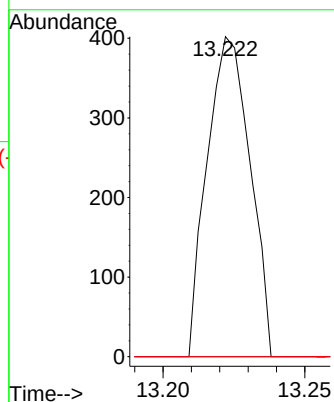


#68
1,2-Dibromo-3-chloropropane
Concen: 0.320 ug/L
RT: 13.222 min Scan# 31
Delta R.T. 0.228 min
Lab File: VU055640.D
Acq: 03 Oct 2023 14:54

Instrument :
MSVOA_U
ClientSampleId :

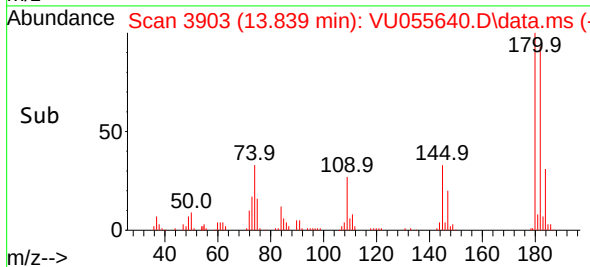
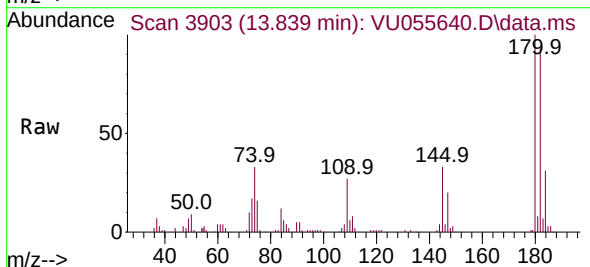
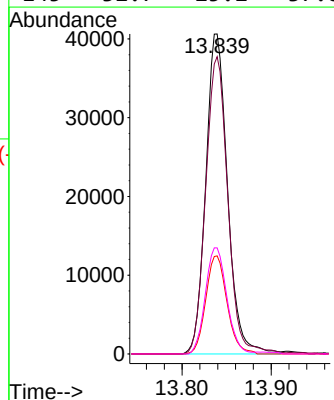


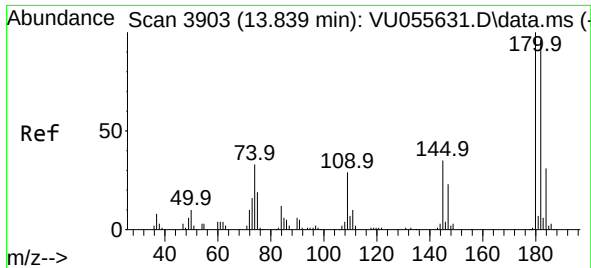
Tgt Ion: 75 Resp: 423
Ion Ratio Lower Upper
75 100
155 0.0 69.2 103.8#
157 0.0 81.9 122.9#



#69
1,3,5-Trichlorobenzene
Concen: 3.715 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.624 min
Lab File: VU055640.D
Acq: 03 Oct 2023 14:54

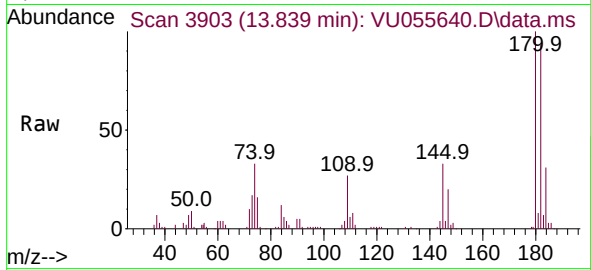
Tgt Ion:180 Resp: 69004
Ion Ratio Lower Upper
180 100
182 94.1 77.1 115.7
184 29.9 24.0 36.0
145 32.7 25.2 37.8





#70
1,2,4-trichlorobenzene
Concen: 4.872 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.000 min
Lab File: VU055640.D
Acq: 03 Oct 2023 14:54

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	180	Resp:	69004
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.4	114.6
145	32.7	25.4	38.0

