

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055120.D
 Acq On : 06 Sep 2023 02:13
 Operator : MD/SY
 Sample : 04250-23
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 05:26:52 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	194927	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	197058	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	110084	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	80844	8.849	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	177.000%#
7) Chloroethane-d5	1.907	69	42622	4.030	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	2.560	65	22572	4.336	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.800%
20) 2-Butanone-d5	4.631	46	154391	58.235	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.480%
24) Chloroform-d	5.062	84	111710	4.608	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.701	65	59187	4.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.724	84	221417	4.552	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.688	67	71495	4.621	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.897	98	194703	4.345	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
43) trans-1,3-Dichloroprop...	8.180	79	18889	4.433	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.631	63	90250	52.177	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.360%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	55613	5.111	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	73842	4.596	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.599	50	43354	3.760	ug/L #	44
5) Vinyl chloride	1.599	62	6175675	507.646	ug/L	95
12) 1,1-Dichloroethene	2.576	96	30352	3.368	ug/L	90
17) Methyl tert-butyl Ether	3.361	73	8768	0.371	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	48428	5.297	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	18663208	1667.519	ug/L	78
25) Chloroform	5.087	83	18883	0.918	ug/L	93
27) 1,2-Dichloroethane	5.798	62	9473	0.754	ug/L	97
33) Benzene	5.772	78	36203	0.863	ug/L	100
34) Trichloroethene	6.544	95	15819744	1357.237	ug/L	95
35) Methylcyclohexane	6.544	83	786594	48.098	ug/L #	4
37) 1,2-Dichloropropane	6.688	63	8685	0.761	ug/L #	91
45) 1,1,2-Trichloroethane	8.399	97	25931	3.372	ug/L	99
47) Tetrachloroethene	8.553	164	3561	0.442	ug/L #	75
48) 2-Hexanone	8.685	43	15298	2.999	ug/L #	97
49) Dibromochloromethane	8.553	129	4336	0.516	ug/L #	9
51) Chlorobenzene	9.444	112	485158	16.384	ug/L	99
61) 1,2,3-Trichloropropane	11.743	75	31895	4.366	ug/L #	49
64) 1,3-Dichlorobenzene	11.746	146	96940	3.934	ug/L	95

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QLast Update : Wed Sep 06 05:03:37 2023
Response via : Initial Calibration

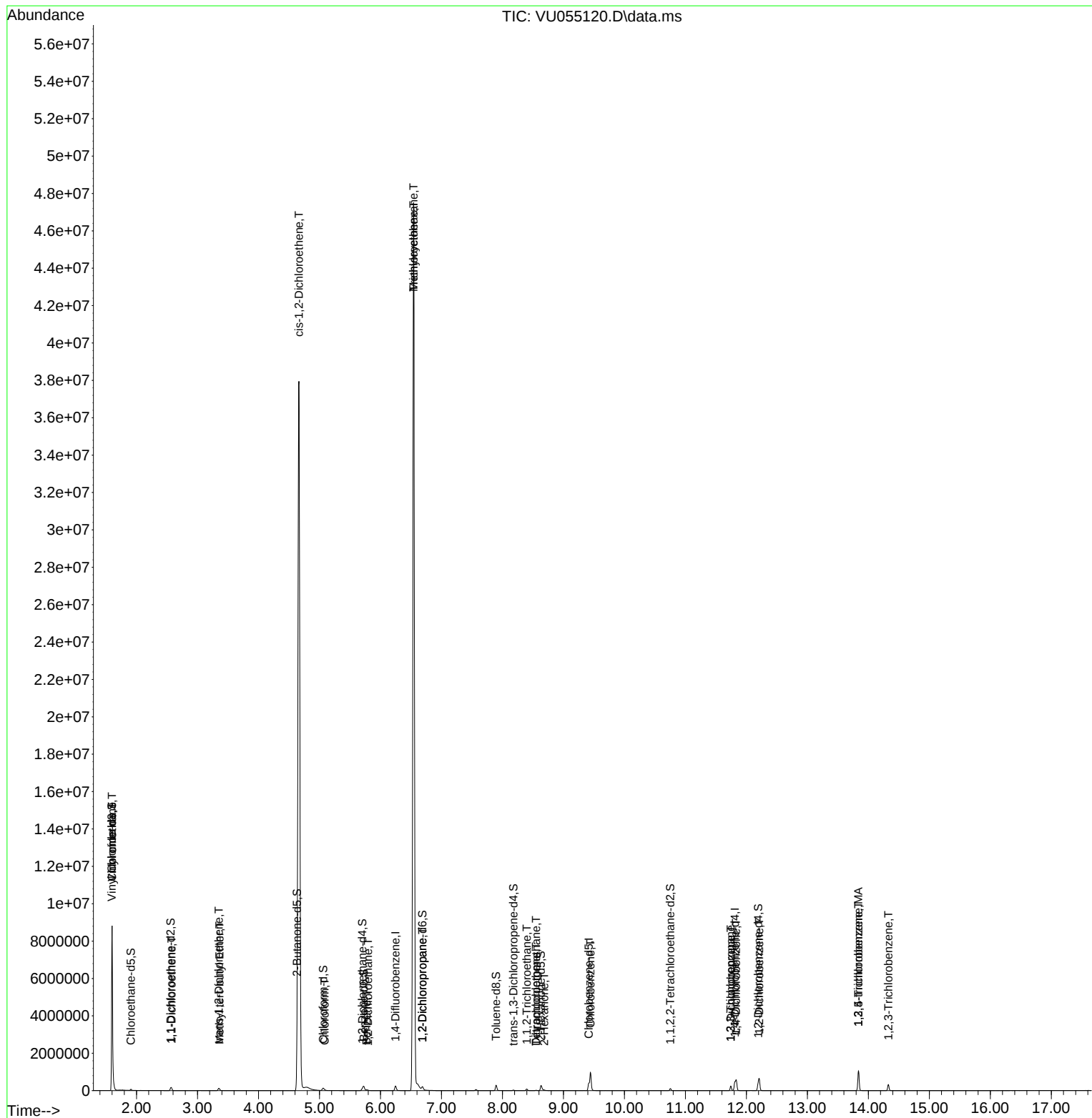
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.833	146	204251	8.316	ug/L	99
67) 1,2-Dichlorobenzene	12.212	146	221319	9.579	ug/L	98
69) 1,3,5-Trichlorobenzene	13.839	180	291851	15.672	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	291851	16.713	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	94060	6.206	ug/L	100

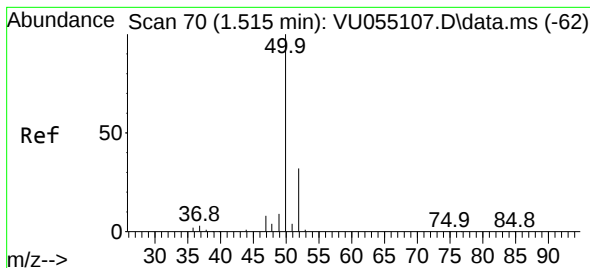
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.760 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.084 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

Instrument :

MSVOA_U

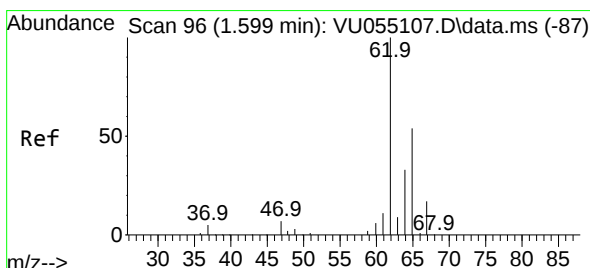
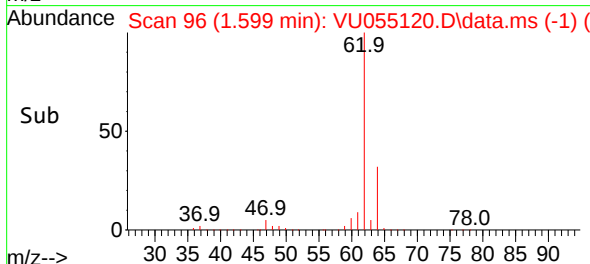
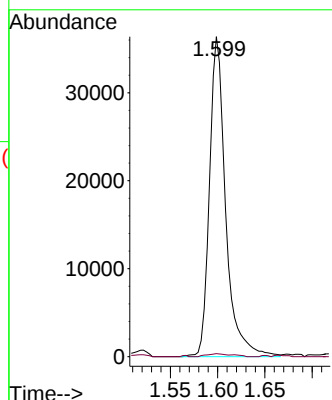
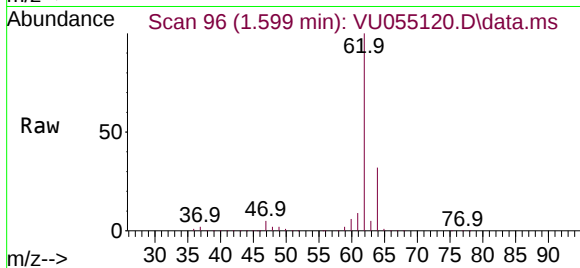
ClientSampleId :

Tgt Ion: 50 Resp: 43354

Ion Ratio Lower Upper

50 100

52 1.0 22.5 41.7#



#5

Vinyl chloride

Concen: 507.646 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU055120.D

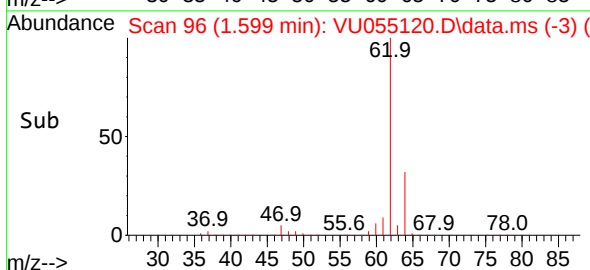
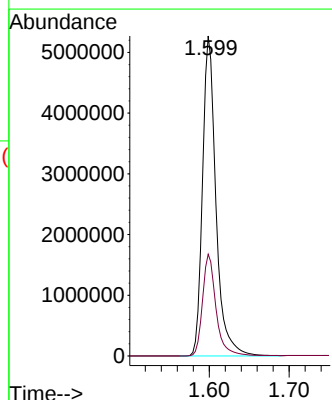
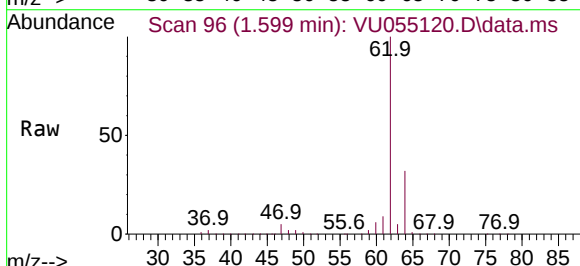
Acq: 06 Sep 2023 02:13

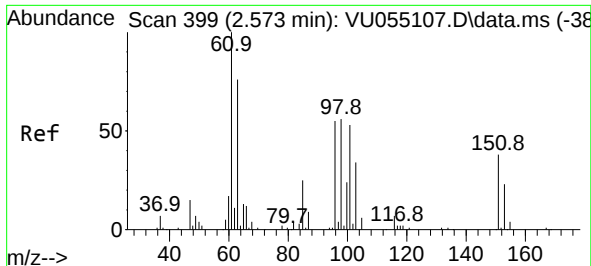
Tgt Ion: 62 Resp: 6175675

Ion Ratio Lower Upper

62 100

64 31.8 24.2 45.0





#12

1,1-Dichloroethene

Concen: 3.368 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

Instrument :

MSVOA_U

ClientSampleId :

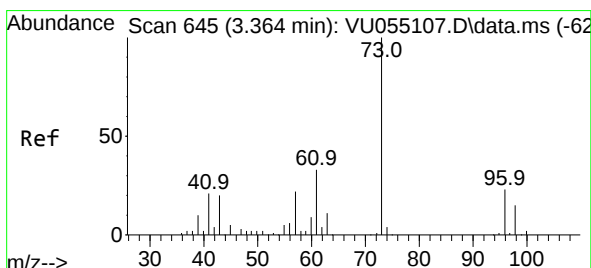
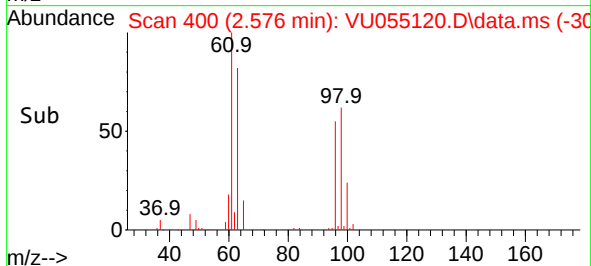
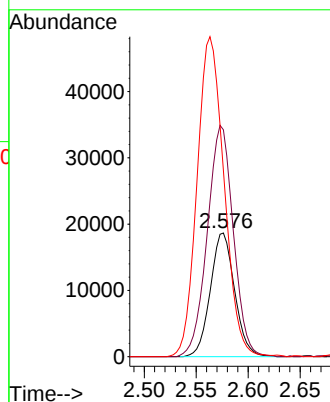
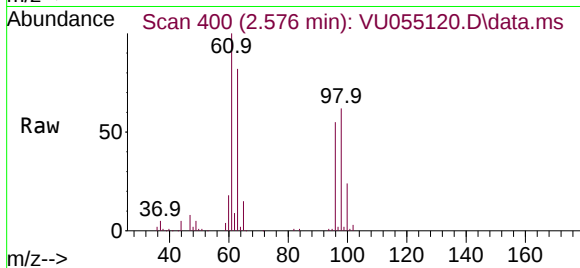
Tgt Ion: 96 Resp: 30352

Ion Ratio Lower Upper

96 100

61 183.3 120.8 224.4

63 150.5 94.5 175.5



#17

Methyl tert-butyl Ether

Concen: 0.371 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.003 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

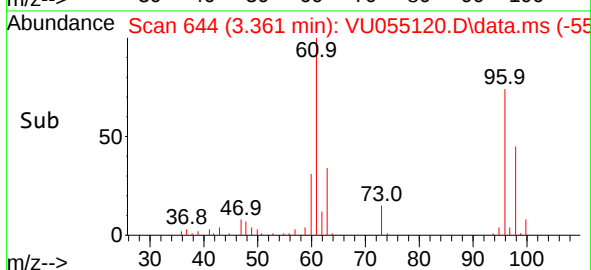
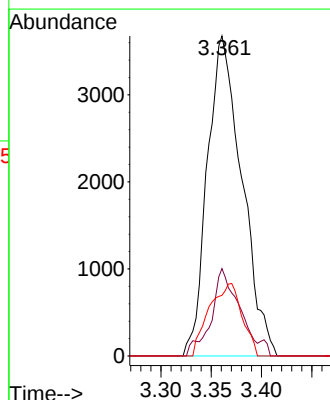
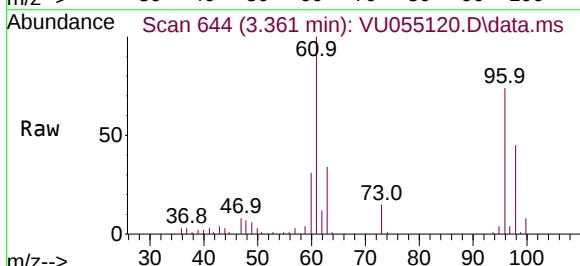
Tgt Ion: 73 Resp: 8768

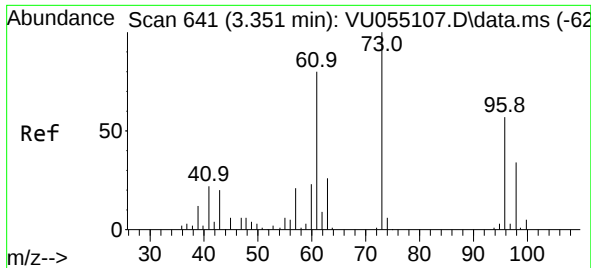
Ion Ratio Lower Upper

73 100

43 22.0 16.2 24.2

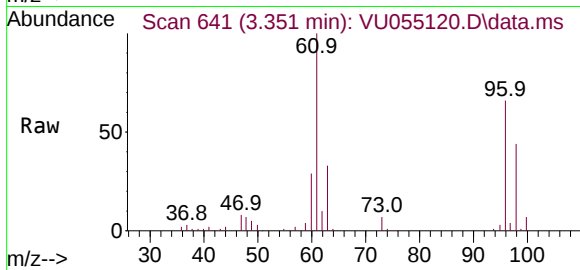
57 21.5 17.4 26.2





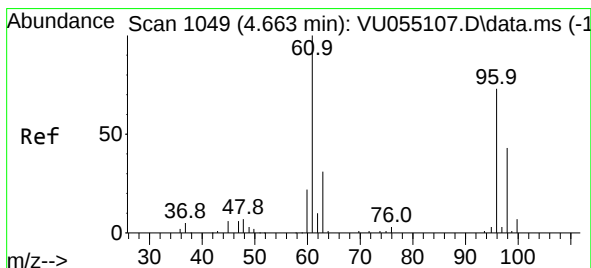
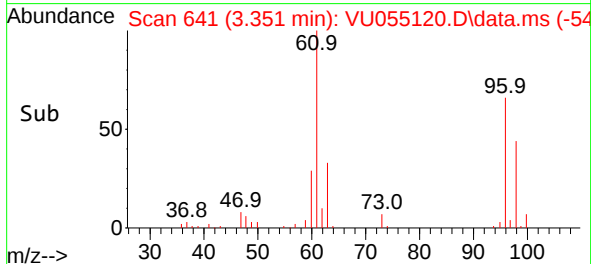
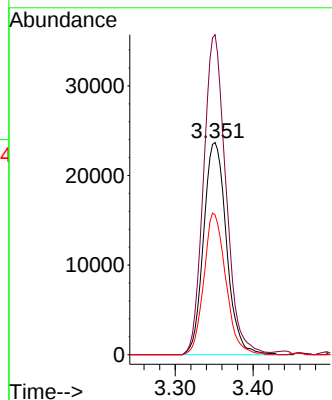
#18
trans-1,2-Dichloroethene
Concen: 5.297 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 48428

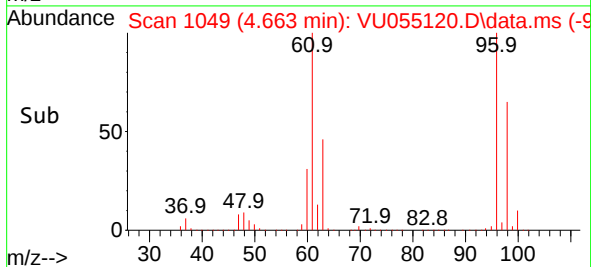
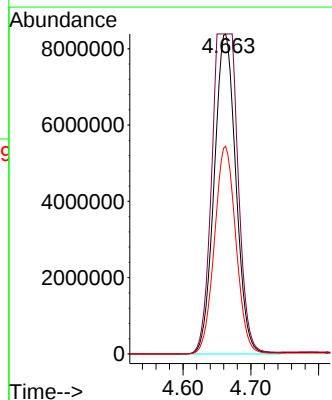
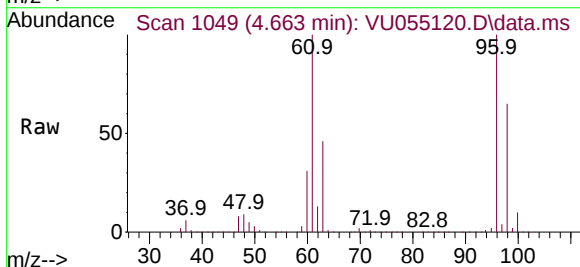
Ion	Ratio	Lower	Upper
96	100		
61	150.8	108.1	200.9
98	65.9	45.4	84.4

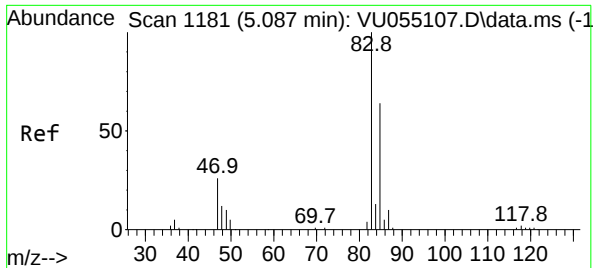


#22
cis-1,2-Dichloroethene
Concen: 1667.519 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 96 Resp:18663208

Ion	Ratio	Lower	Upper
96	100		
61	100.0	97.2	180.4
98	64.9	46.1	85.7

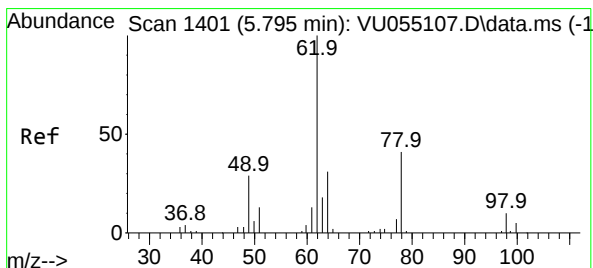
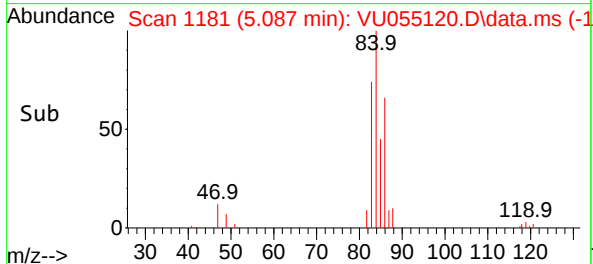
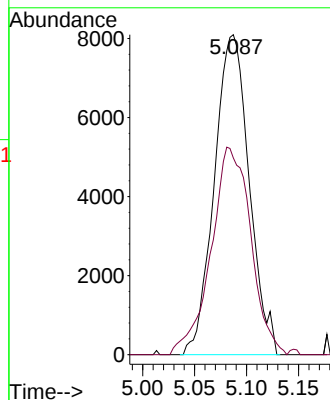
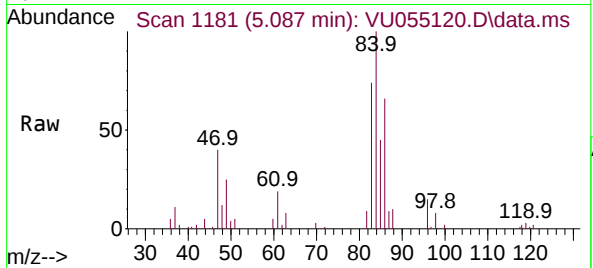




#25
Chloroform
Concen: 0.918 ug/L
RT: 5.087 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

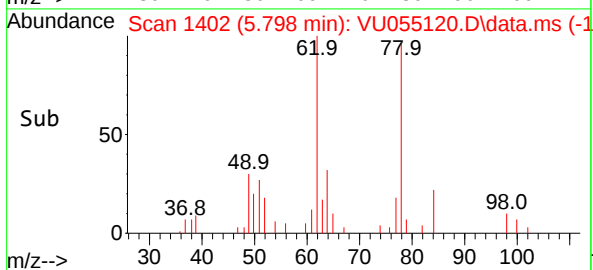
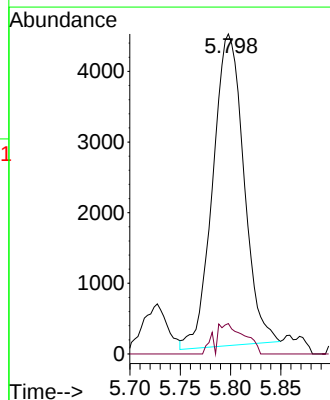
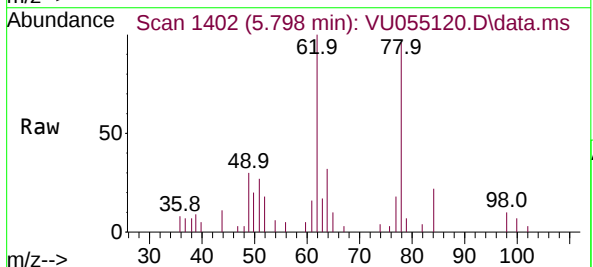
Instrument :
MSVOA_U
ClientSampleId :

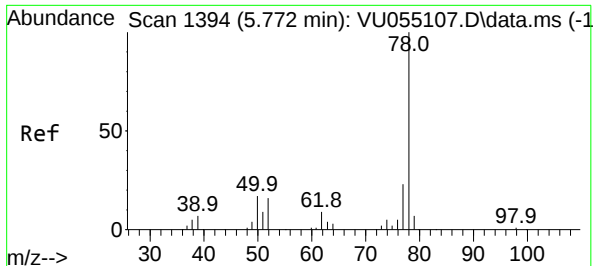
Tgt Ion: 83 Resp: 18883
Ion Ratio Lower Upper
83 100
85 61.5 47.2 87.6



#27
1,2-Dichloroethane
Concen: 0.754 ug/L
RT: 5.798 min Scan# 1402
Delta R.T. 0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 62 Resp: 9473
Ion Ratio Lower Upper
62 100
98 9.5 6.9 10.3

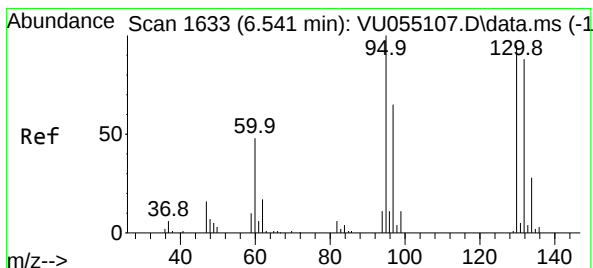
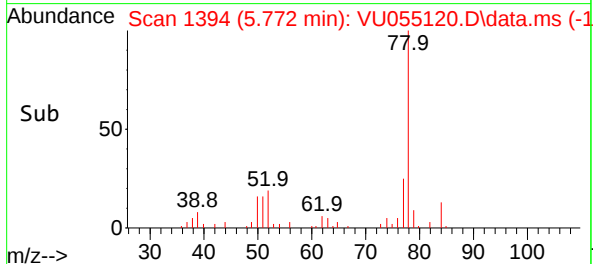
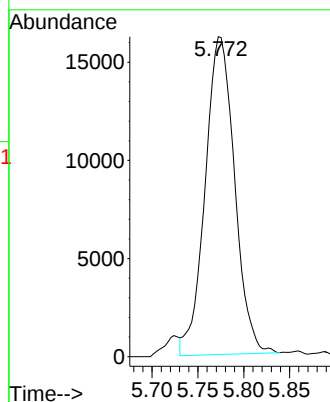
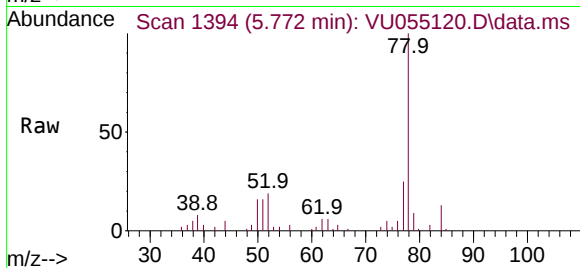




#33
Benzene
Concen: 0.863 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Instrument :
MSVOA_U
ClientSampleId :

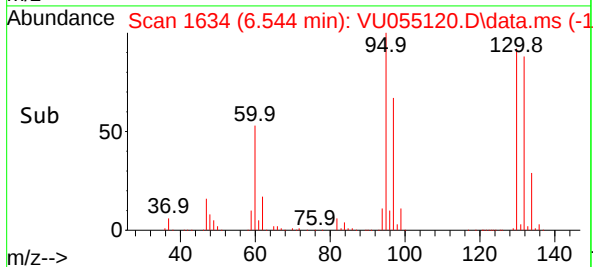
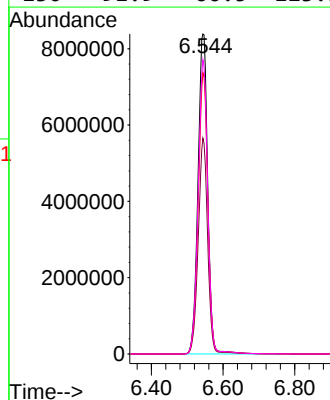
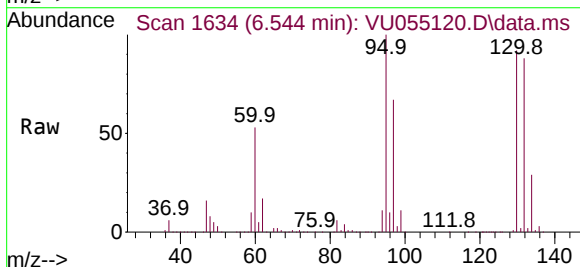
Tgt Ion: 78 Resp: 36203

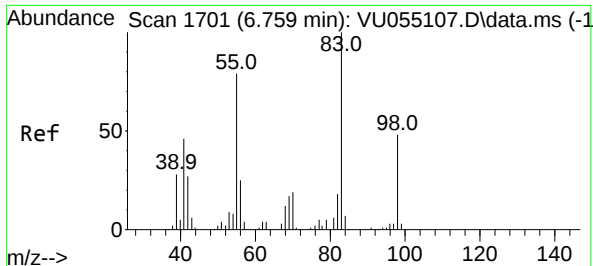


#34
Trichloroethene
Concen: 1357.237 ug/L
RT: 6.544 min Scan# 1634
Delta R.T. 0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 95 Resp:15819744

Ion	Ratio	Lower	Upper
95	100		
97	67.4	44.7	83.1
132	87.9	66.6	123.6
130	91.9	66.5	123.5

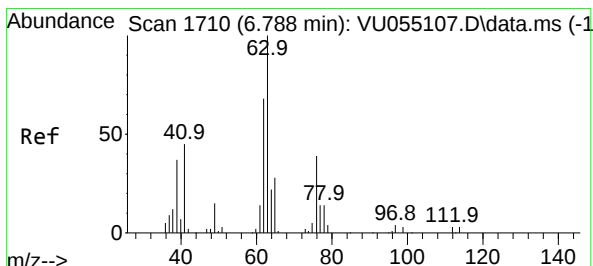
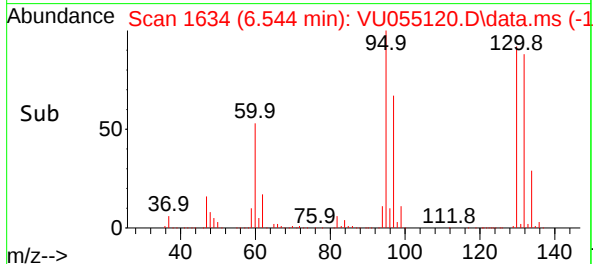
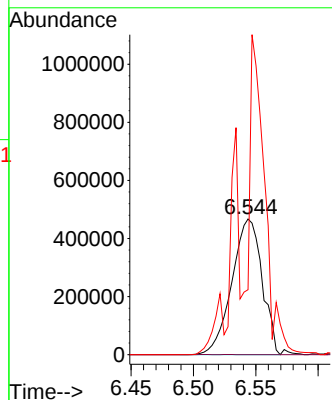
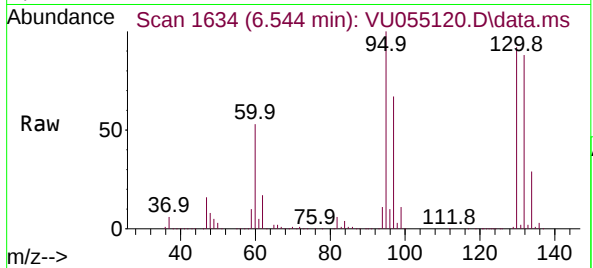




#35
Methylcyclohexane
Concen: 48.098 ug/L
RT: 6.544 min Scan# 1634
Delta R.T. -0.215 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

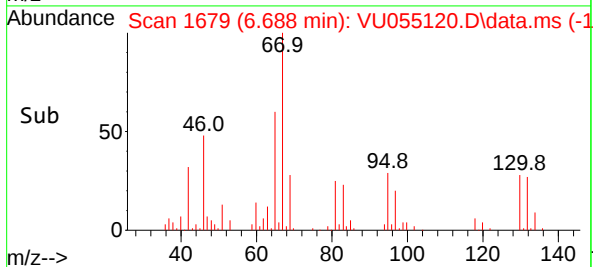
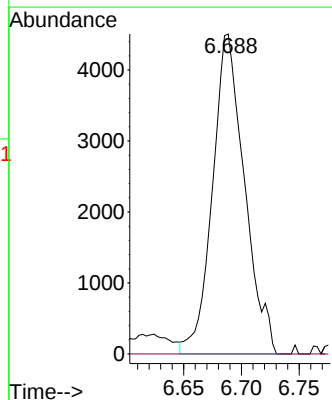
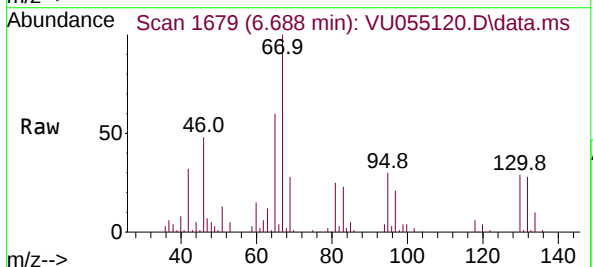
Instrument :
MSVOA_U
ClientSampleId :

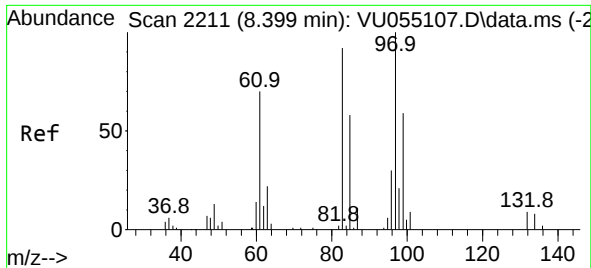
Tgt Ion: 83 Resp: 786594
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 115.5 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.761 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 63 Resp: 8685
Ion Ratio Lower Upper
63 100
112 1.0 3.2 4.8#

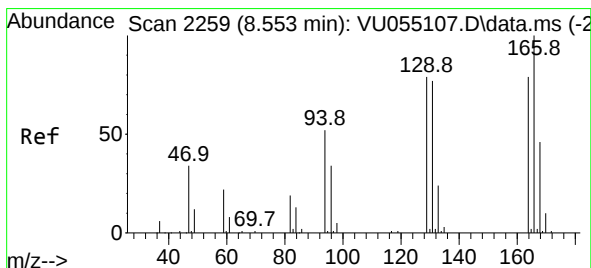
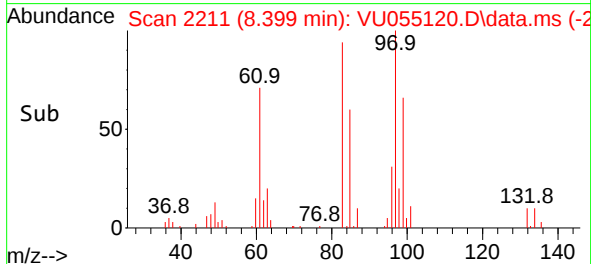
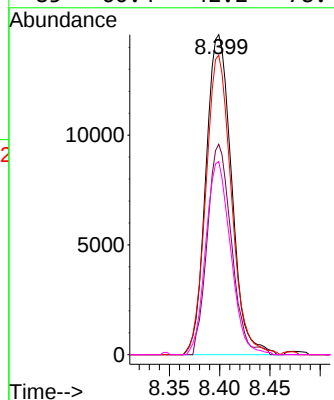
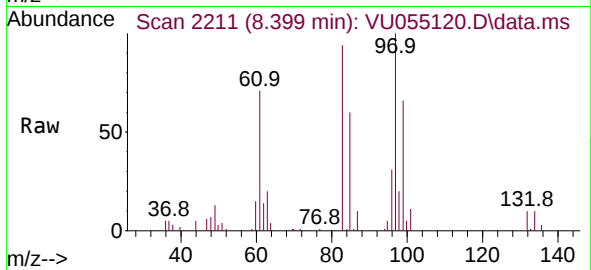




#45
1,1,2-Trichloroethane
Concen: 3.372 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

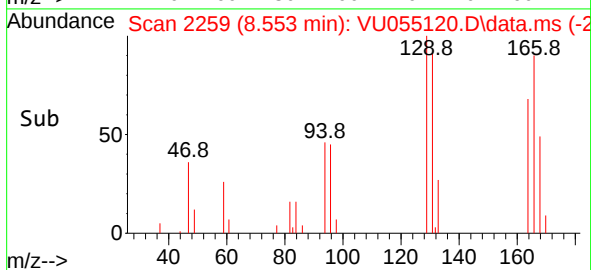
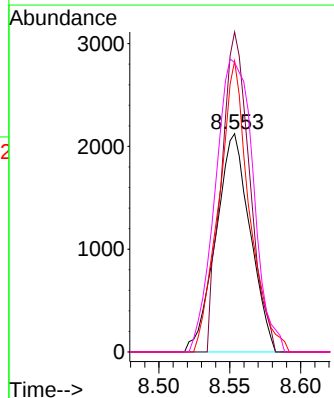
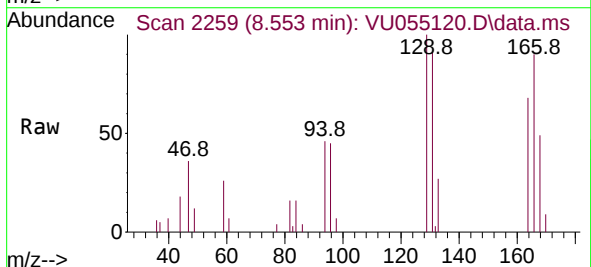
Instrument :
MSVOA_U
ClientSampleId :

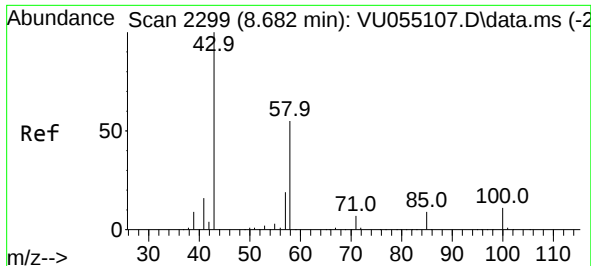
Tgt Ion:	97	Resp:	25931
Ion	Ratio	Lower	Upper
97	100		
99	65.8	44.9	83.5
83	93.6	66.9	124.3
85	60.4	42.2	78.4



#47
Tetrachloroethene
Concen: 0.442 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

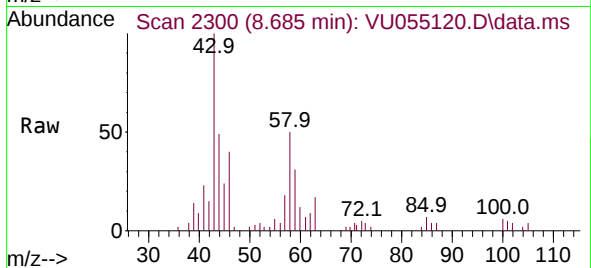
Tgt Ion:	164	Resp:	3561
Ion	Ratio	Lower	Upper
164	100		
129	146.6	69.2	128.6#
131	133.3	68.8	127.8#
166	132.6	92.3	171.5



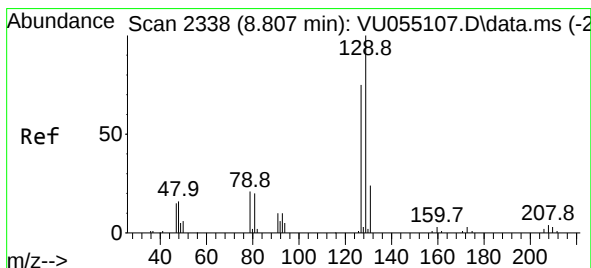
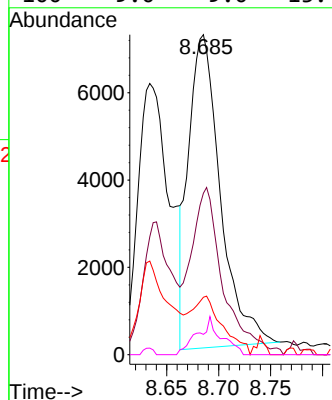
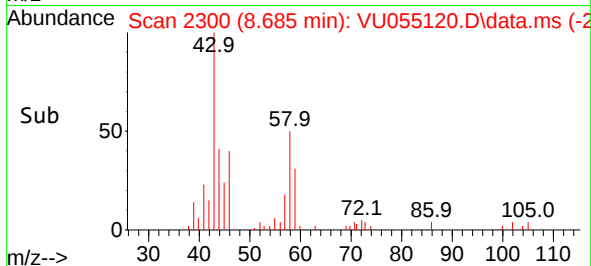


#48
2-Hexanone
Concen: 2.999 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Instrument :
MSVOA_U
ClientSampleId :

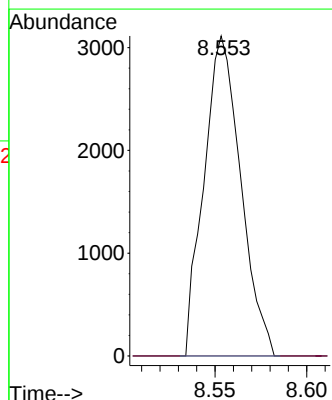
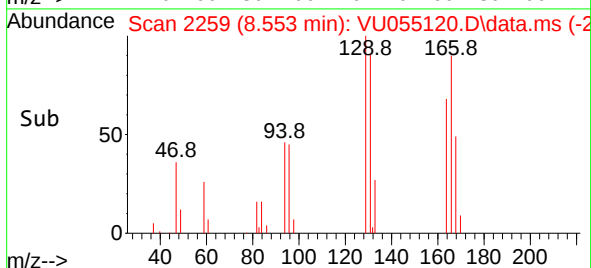
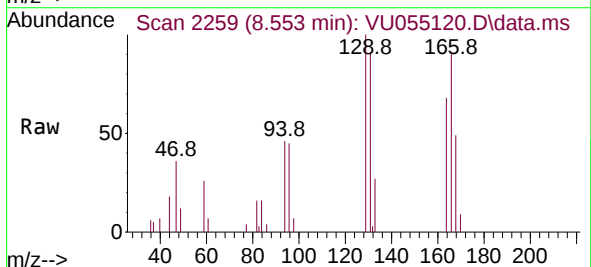


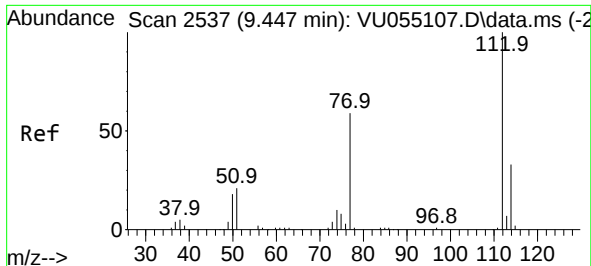
Tgt Ion: 43 Resp: 15298
Ion Ratio Lower Upper
43 100
58 54.1 44.0 66.0
57 17.5 16.2 24.2
100 9.0 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.516 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 129 Resp: 4336
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#





#51

Chlorobenzene

Concen: 16.384 ug/L

RT: 9.444 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

Instrument :

MSVOA_U

ClientSampleId :

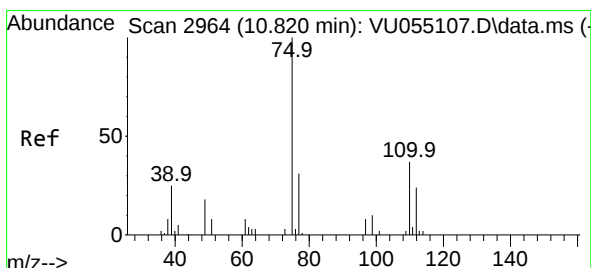
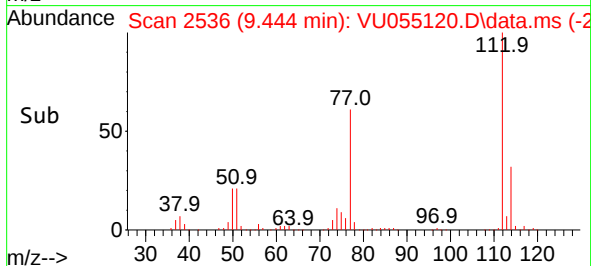
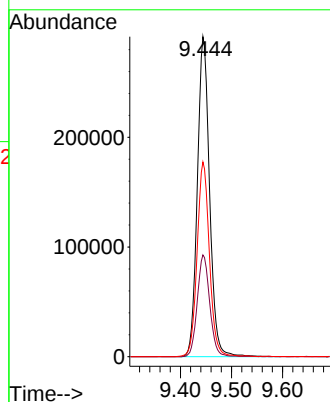
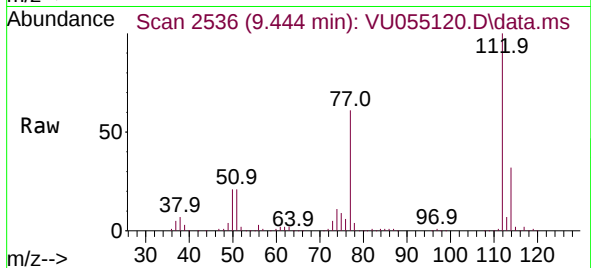
Tgt Ion:112 Resp: 485158

Ion Ratio Lower Upper

112 100

114 31.8 21.7 40.3

77 60.8 48.6 72.8



#61

1,2,3-Trichloropropane

Concen: 4.366 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.923 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

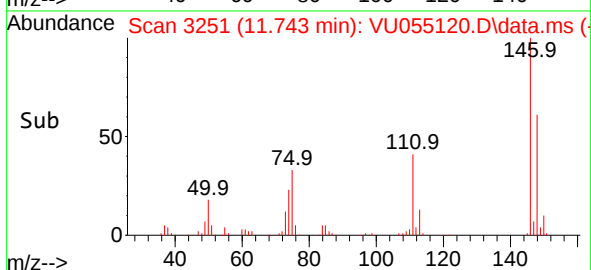
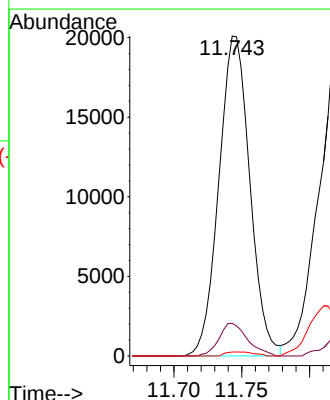
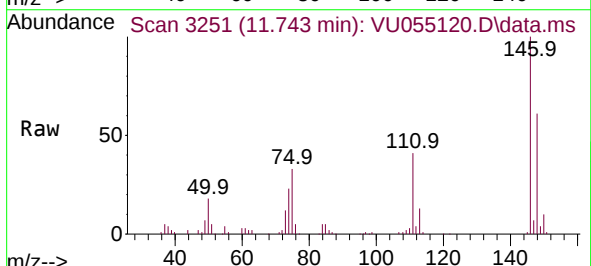
Tgt Ion: 75 Resp: 31895

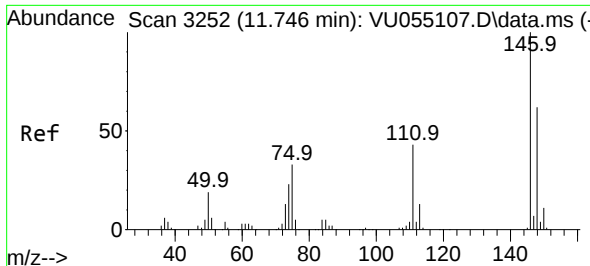
Ion Ratio Lower Upper

75 100

110 9.4 28.2 42.2#

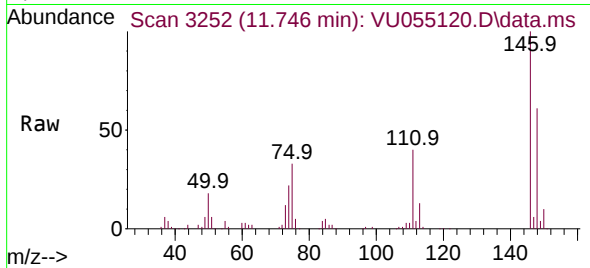
77 0.0 26.2 39.4#



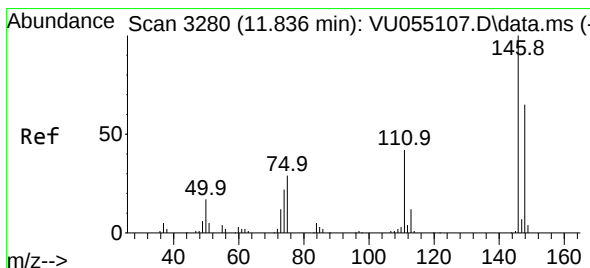
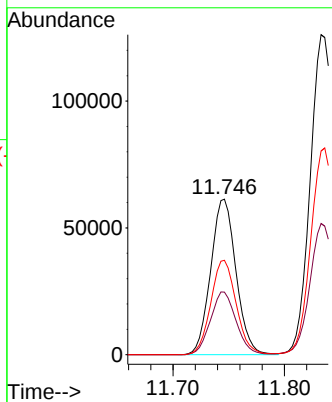
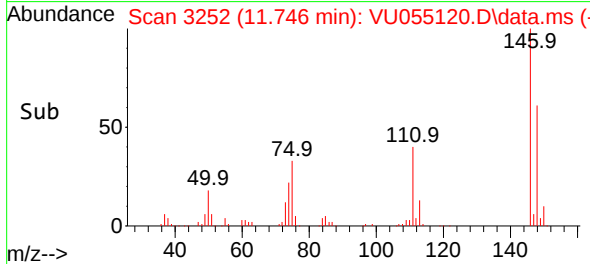


#64
1,3-Dichlorobenzene
Concen: 3.934 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

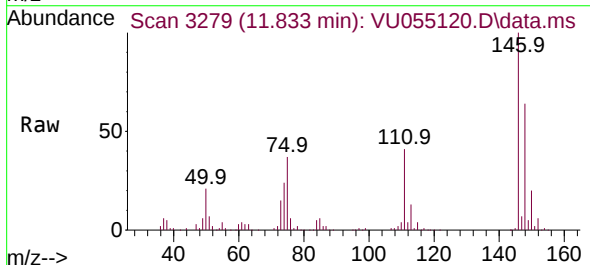
Instrument :
MSVOA_U
ClientSampleId :



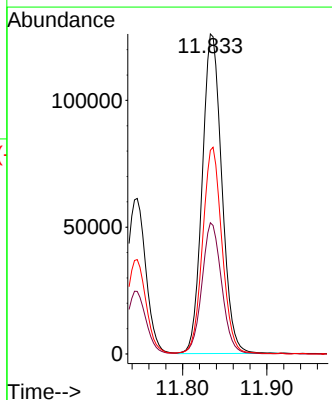
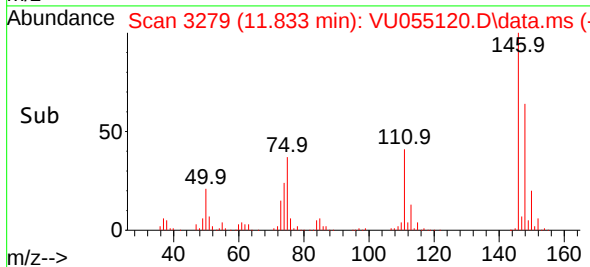
Tgt Ion:146 Resp: 96940
Ion Ratio Lower Upper
146 100
111 40.2 30.0 55.6
148 60.7 45.2 84.0

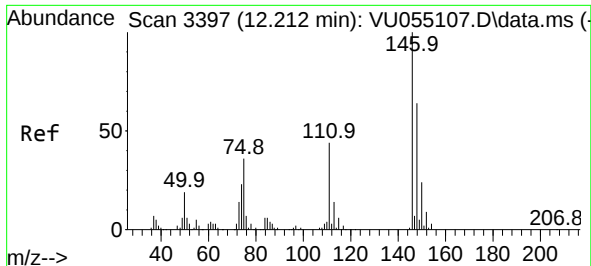


#65
1,4-Dichlorobenzene
Concen: 8.316 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13



Tgt Ion:146 Resp: 204251
Ion Ratio Lower Upper
146 100
111 41.0 28.1 52.1
148 63.7 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 9.579 ug/L

RT: 12.212 min Scan# 31

Delta R.T. 0.000 min

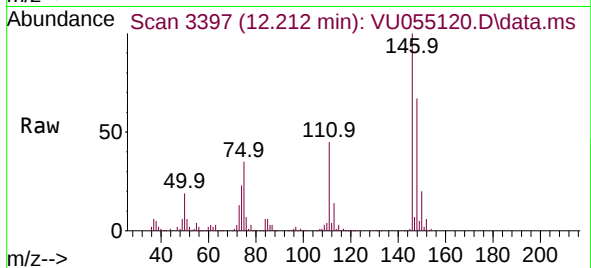
Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

Instrument :

MSVOA_U

ClientSampleId :



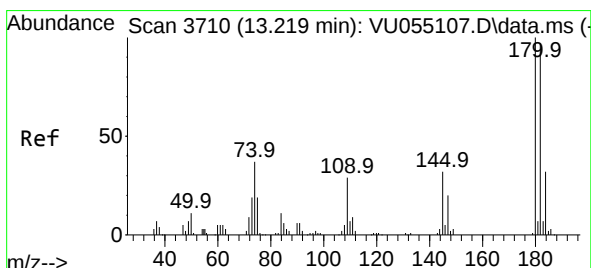
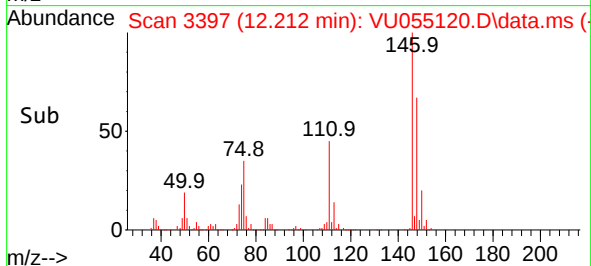
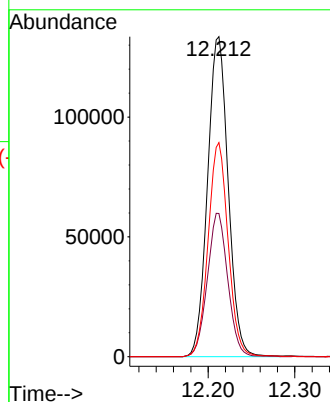
Tgt Ion:146 Resp: 221319

Ion Ratio Lower Upper

146 100

111 44.7 35.6 53.4

148 66.9 51.3 76.9



#69

1,3,5-Trichlorobenzene

Concen: 15.672 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.621 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

Tgt Ion:180 Resp: 291851

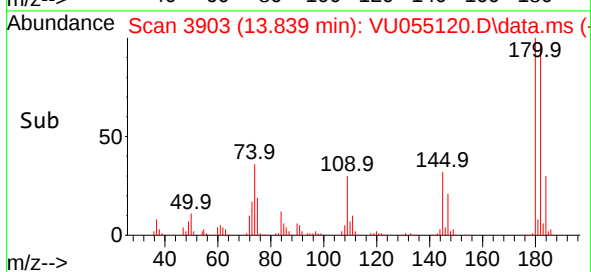
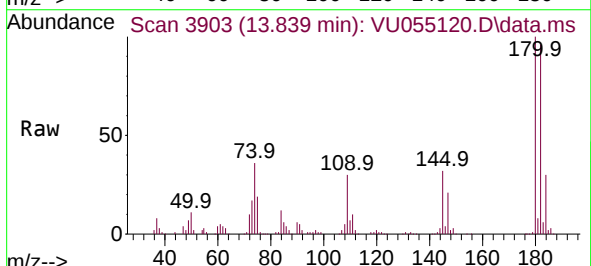
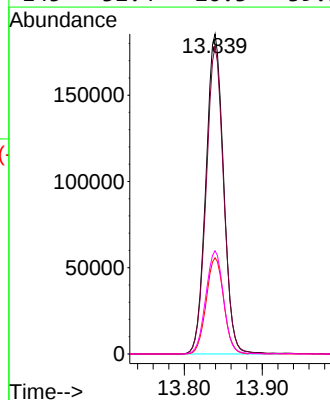
Ion Ratio Lower Upper

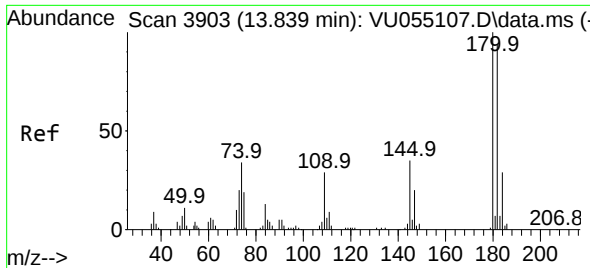
180 100

182 95.4 75.8 113.6

184 29.9 24.0 36.0

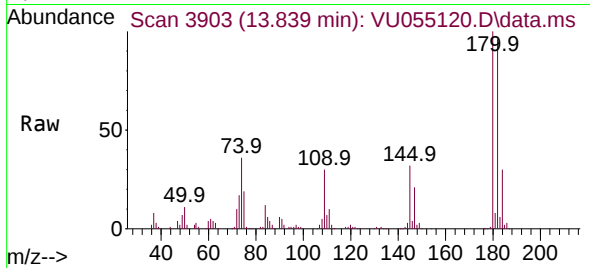
145 32.4 26.3 39.5



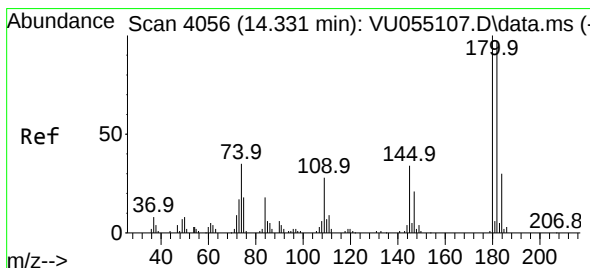
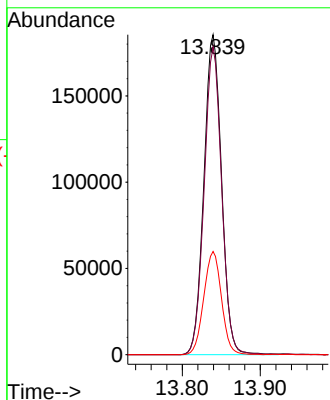
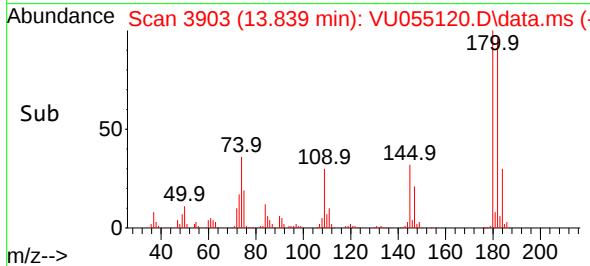


#70
1,2,4-trichlorobenzene
Concen: 16.713 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

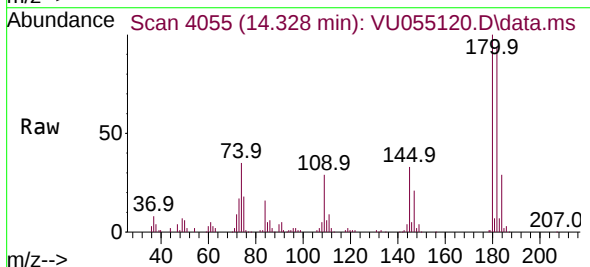
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 291851
Ion Ratio Lower Upper
180 100
182 95.4 73.6 110.4
145 32.4 25.8 38.8



#72
1,2,3-Trichlorobenzene
Concen: 6.206 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. -0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13



Tgt Ion:180 Resp: 94060
Ion Ratio Lower Upper
180 100
182 95.0 75.6 113.4
145 33.7 27.0 40.6

