

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051424\
 Data File : VU058894.D
 Acq On : 14 May 2024 18:28
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 01:10:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 15 00:49:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	155558	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	155684	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	81024	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	43377	4.604	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.000%
7) Chloroethane-d5	1.911	69	40850	4.796	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.563	65	18118	4.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	4.628	46	137372	56.074	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.140%
24) Chloroform-d	5.055	84	98562	5.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.695	65	47888	4.897	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.721	84	179472	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.685	67	60353	5.069	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.891	98	157366	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.174	79	21175	5.182	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.627	63	107281	54.708	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.420%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	52487	5.104	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	59872	4.913	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	56240	4.942	ug/L	97
3) Chloromethane	1.518	50	67472	5.091	ug/L	100
5) Vinyl chloride	1.602	62	72763	5.125	ug/L	100
6) Bromomethane	1.856	94	43565	4.926	ug/L	98
8) Chloroethane	1.933	64	45310	5.022	ug/L	97
9) Trichlorofluoromethane	2.136	101	89371	4.908	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	52662	4.773	ug/L	99
12) 1,1-Dichloroethene	2.576	96	49326	5.090	ug/L	98
13) Acetone	2.647	43	88320	52.160	ug/L	97
14) Carbon disulfide	2.792	76	145982	4.754	ug/L	100
15) Methyl Acetate	2.956	43	19894	4.727	ug/L	96
16) Methylene chloride	3.039	84	77609	5.903	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	127166	5.048	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	51996	5.096	ug/L	100
19) 1,1-Dichloroethane	3.862	63	110849	5.197	ug/L	98
21) 2-Butanone	4.708	43	145943	53.739	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	64441	5.485	ug/L	98
23) Bromochloromethane	4.968	128	25623	4.939	ug/L	94
25) Chloroform	5.078	83	114542	5.139	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051424\
 Data File : VU058894.D
 Acq On : 14 May 2024 18:28
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

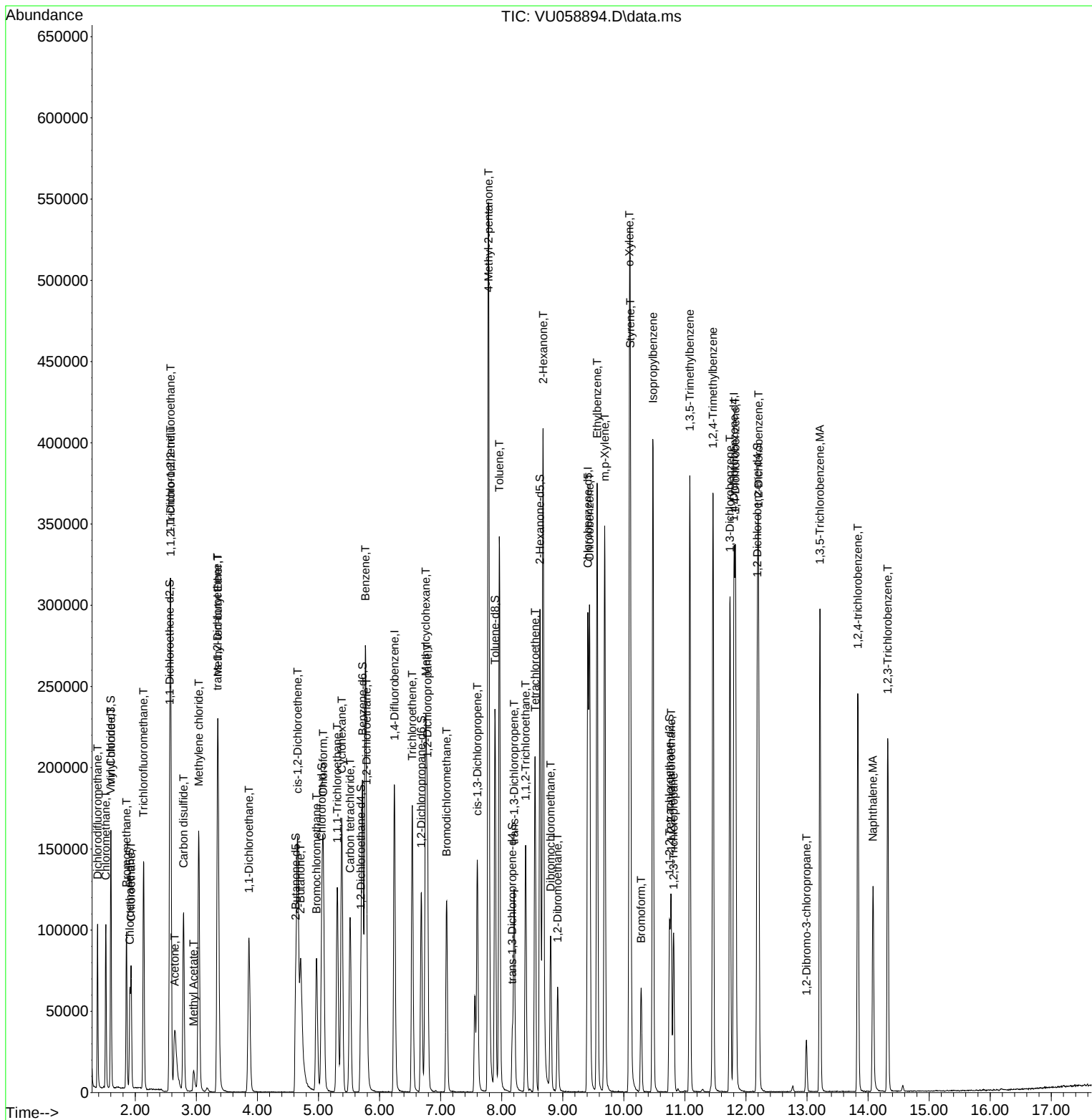
Instrument :
 MSVOA_U
 ClientSampleId :

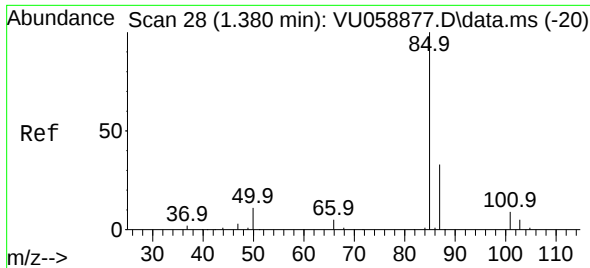
Quant Time: May 15 01:10:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 15 00:49:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	70590	5.184	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	89785	5.158	ug/L	99
30) Cyclohexane	5.383	56	81211	4.934	ug/L	97
31) Carbon tetrachloride	5.518	117	73722	5.077	ug/L	99
33) Benzene	5.769	78	239429	5.232	ug/L	100
34) Trichloroethene	6.537	95	62984	5.203	ug/L	98
35) Methylcyclohexane	6.756	83	83885	4.857	ug/L	97
37) 1,2-Dichloropropane	6.785	63	67775	5.218	ug/L	100
38) Bromodichloromethane	7.100	83	79294	5.093	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	89998	5.084	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	365056	54.373	ug/L	99
42) Toluene	7.962	91	256010	5.364	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	73941	5.119	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	47776	5.228	ug/L	98
47) Tetrachloroethene	8.547	164	45759	5.306	ug/L	98
48) 2-Hexanone	8.679	43	265629	54.901	ug/L	100
49) Dibromochloromethane	8.801	129	49488	5.136	ug/L	98
50) 1,2-Dibromoethane	8.917	107	42740	5.293	ug/L	97
51) Chlorobenzene	9.441	112	156113	5.133	ug/L	99
52) Ethylbenzene	9.563	91	262043	5.085	ug/L	99
53) m,p-Xylene	9.688	106	96257	5.104	ug/L	97
54) o-Xylene	10.094	106	94745	5.137	ug/L	99
55) Styrene	10.110	104	165472	5.333	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	60005	5.180	ug/L	99
59) Bromoform	10.283	173	29358	4.959	ug/L	97
60) Isopropylbenzene	10.479	105	257800	4.970	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	41668	4.994	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	204261	4.941	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	206113	5.028	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	121894	4.830	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	122668	4.870	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	117717	4.990	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	8163	4.864	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	89327	4.720	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	73890	4.731	ug/L	99
71) Naphthalene	14.081	128	111603	4.742	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	67096	4.896	ug/L	98

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

Quant Time: May 15 01:10:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed May 15 00:49:30 2024
Response via : Initial Calibration

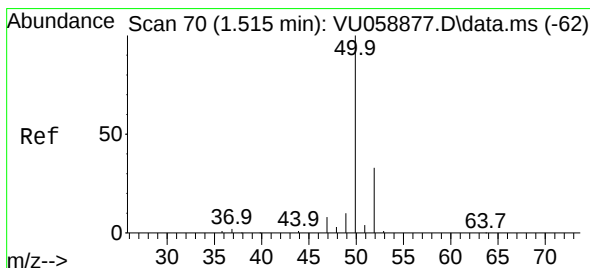
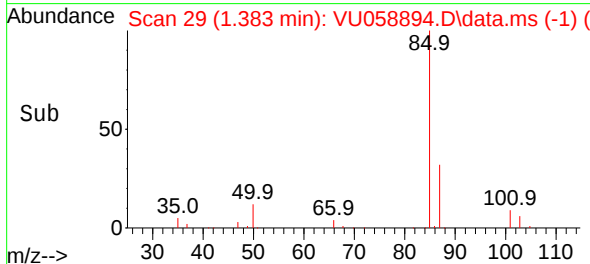
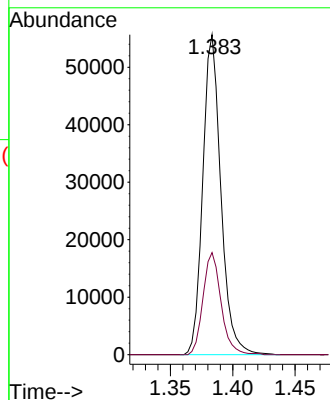
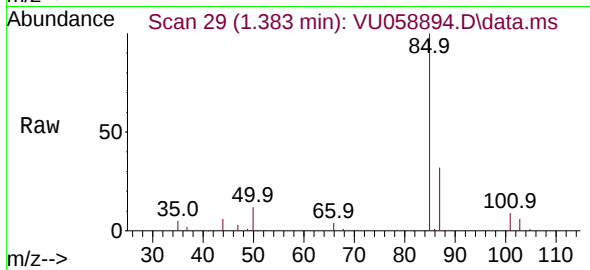




#2
 Dichlorodifluoromethane
 Concen: 4.942 ug/L
 RT: 1.383 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VU058894.D
 Acq: 14 May 2024 18:28

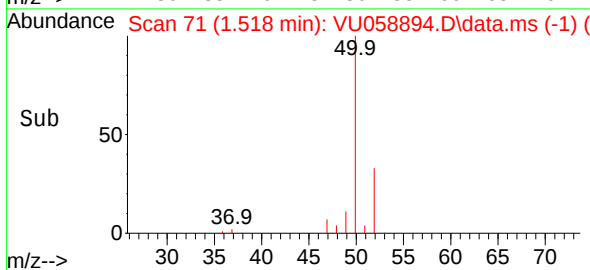
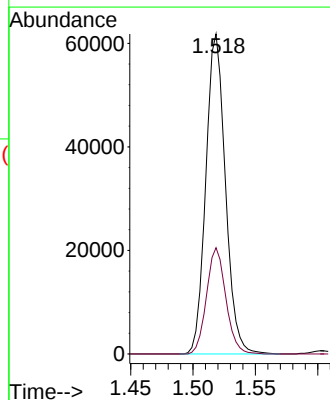
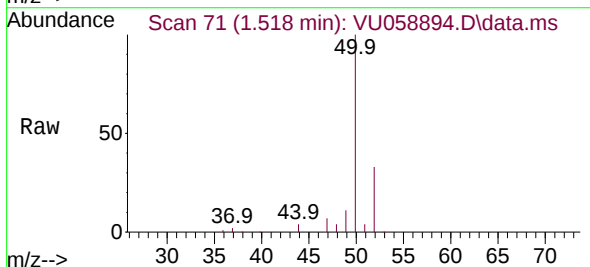
Instrument :
 MSVOA_U
 ClientSampleId :

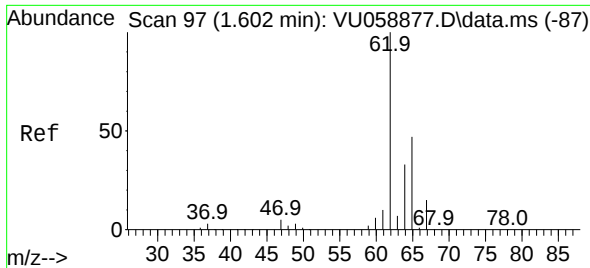
Tgt Ion: 85 Resp: 56240
 Ion Ratio Lower Upper
 85 100
 87 31.8 26.6 40.0



#3
 Chloromethane
 Concen: 5.091 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU058894.D
 Acq: 14 May 2024 18:28

Tgt Ion: 50 Resp: 67472
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.2 43.0

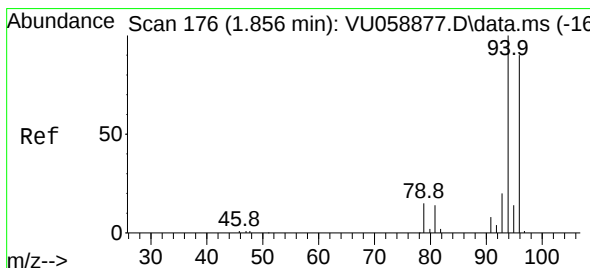
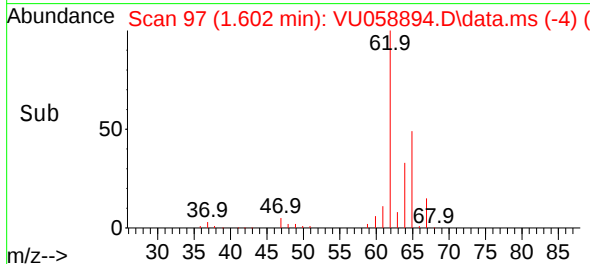
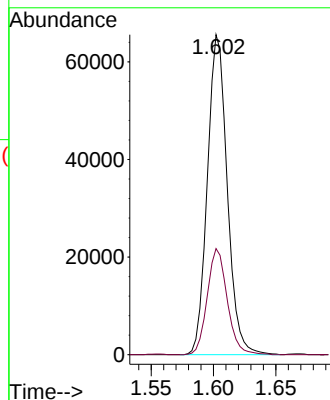
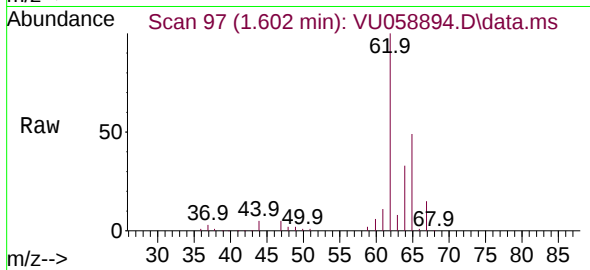




#5
 Vinyl chloride
 Concen: 5.125 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU058894.D
 Acq: 14 May 2024 18:28

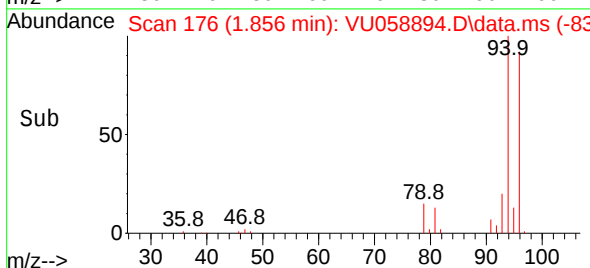
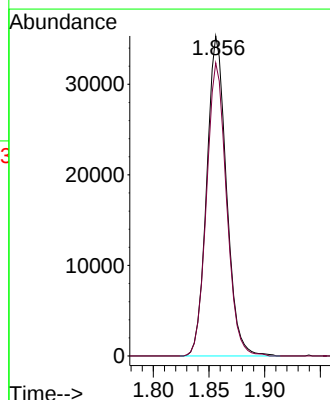
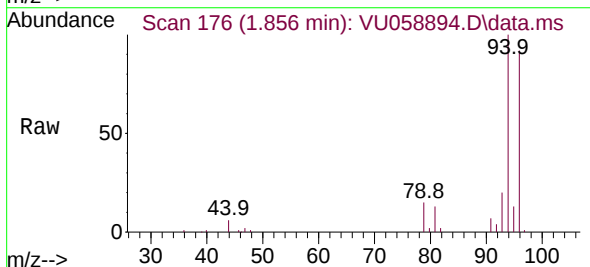
Instrument :
 MSVOA_U
 ClientSampleId :

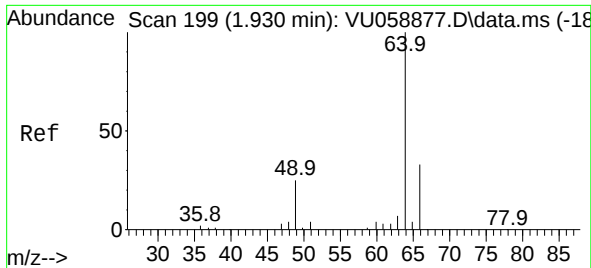
Tgt Ion: 62 Resp: 72763
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.1 42.9



#6
 Bromomethane
 Concen: 4.926 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU058894.D
 Acq: 14 May 2024 18:28

Tgt Ion: 94 Resp: 43565
 Ion Ratio Lower Upper
 94 100
 96 91.6 62.9 116.9

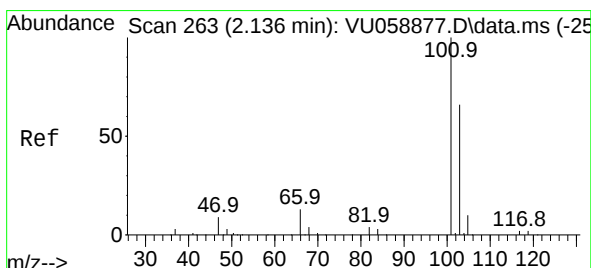
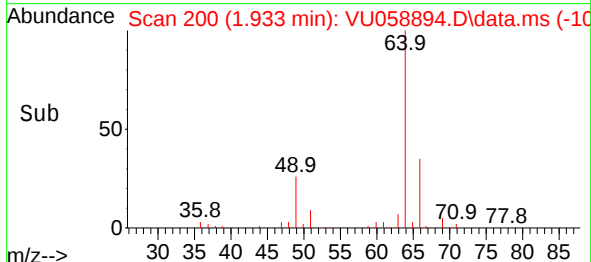
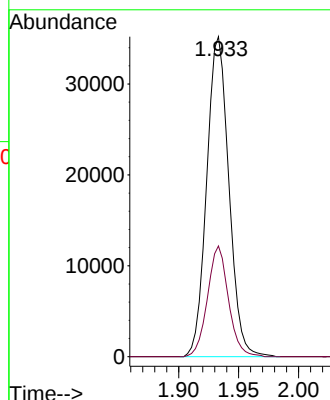
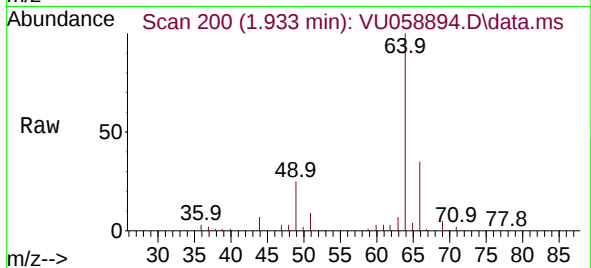




#8
Chloroethane
Concen: 5.022 ug/L
RT: 1.933 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

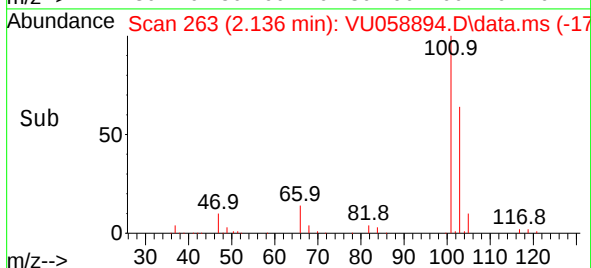
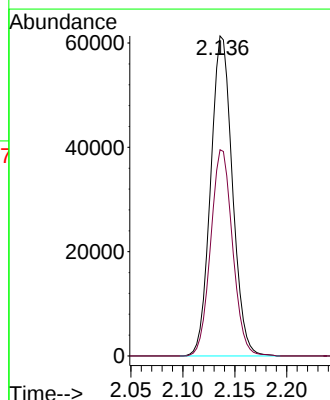
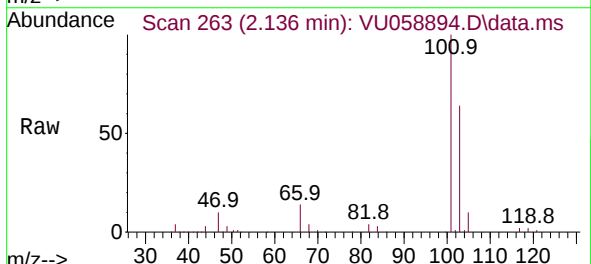
Instrument :
MSVOA_U
ClientSampleId :

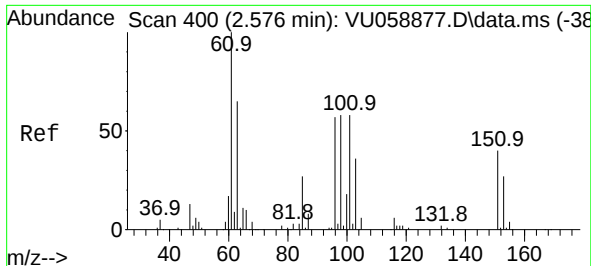
Tgt Ion: 64 Resp: 45310
Ion Ratio Lower Upper
64 100
66 34.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.908 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion:101 Resp: 89371
Ion Ratio Lower Upper
101 100
103 64.8 52.6 79.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.773 ug/L

RT: 2.579 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

ClientSampleId :

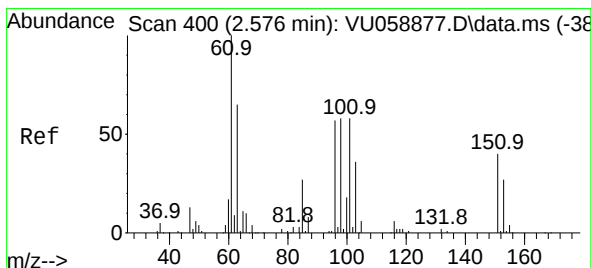
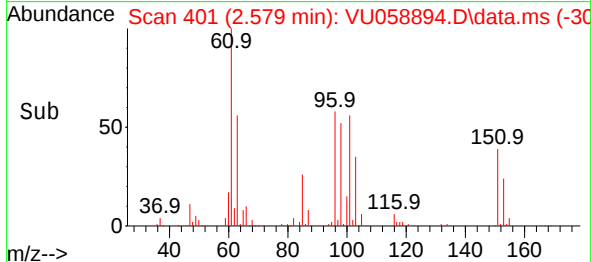
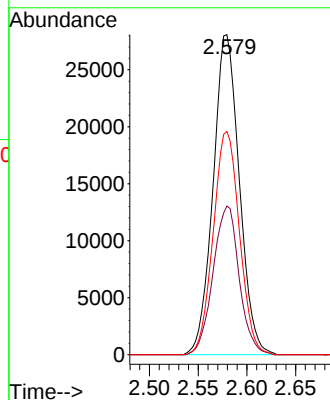
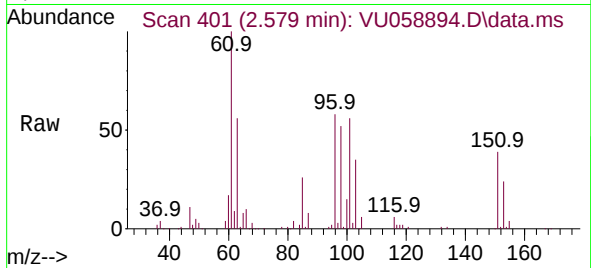
Tgt Ion:101 Resp: 52662

Ion Ratio Lower Upper

101 100

85 46.2 36.2 54.4

151 69.8 55.5 83.3



#12

1,1-Dichloroethene

Concen: 5.090 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

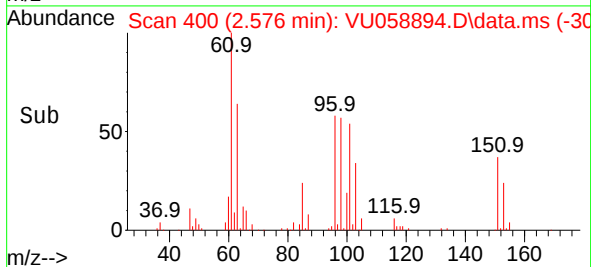
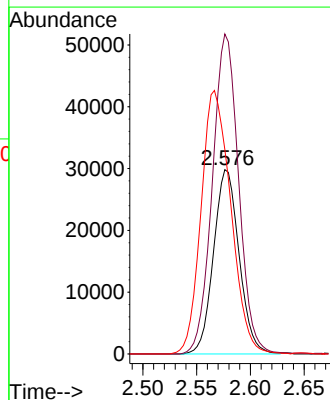
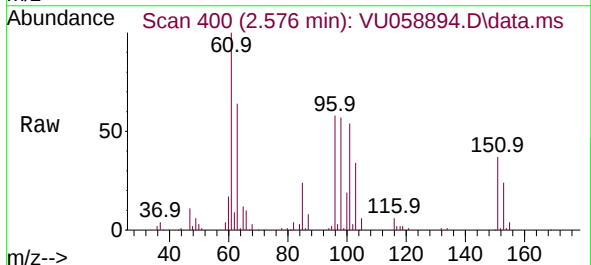
Tgt Ion: 96 Resp: 49326

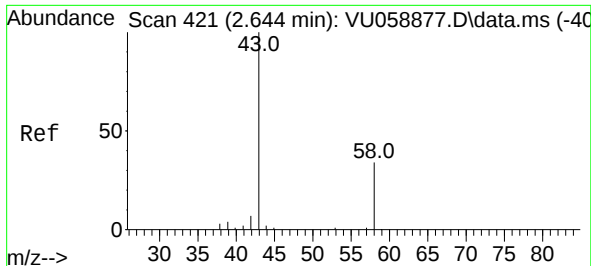
Ion Ratio Lower Upper

96 100

61 173.7 122.9 228.3

63 111.0 80.4 149.4





#13

Acetone

Concen: 52.160 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

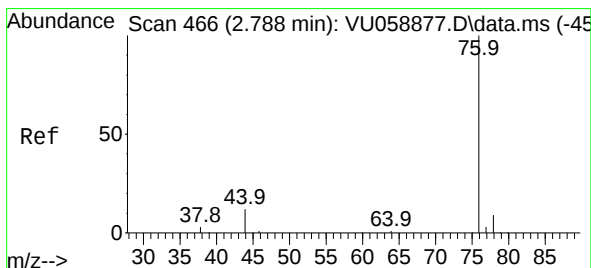
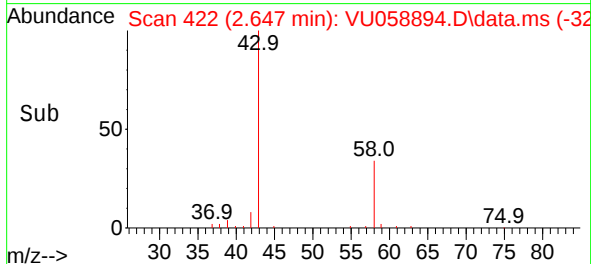
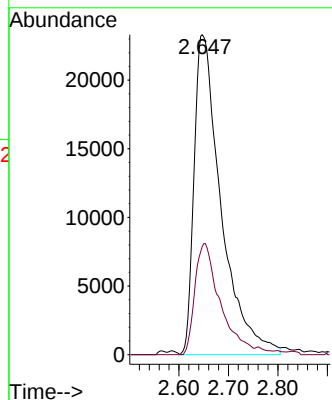
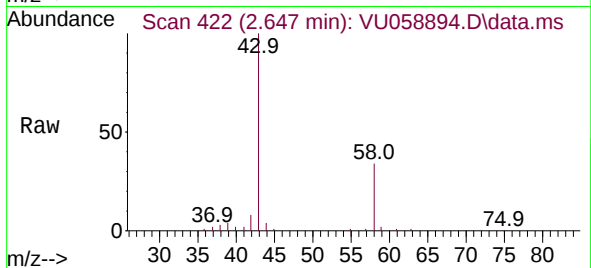
ClientSampleId :

Tgt Ion: 43 Resp: 88320

Ion Ratio Lower Upper

43 100

58 32.5 0.0 68.0



#14

Carbon disulfide

Concen: 4.754 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU058894.D

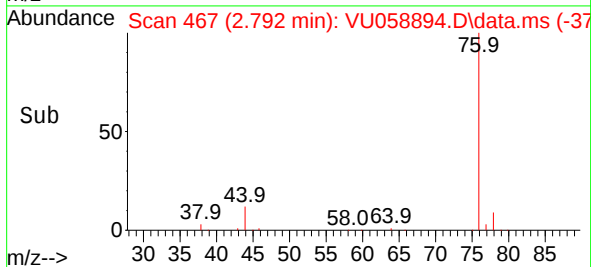
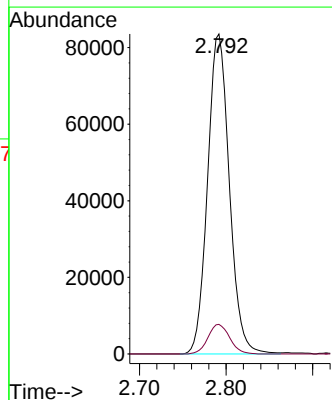
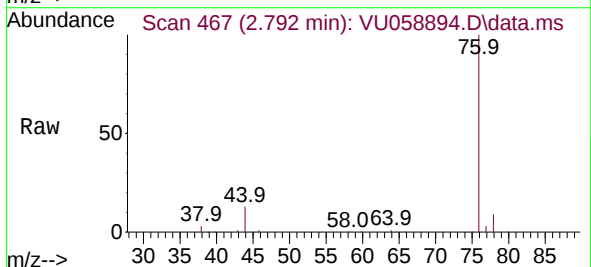
Acq: 14 May 2024 18:28

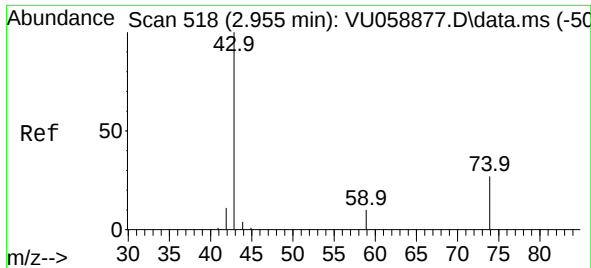
Tgt Ion: 76 Resp: 145982

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 4.727 ug/L

RT: 2.956 min Scan# 518

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

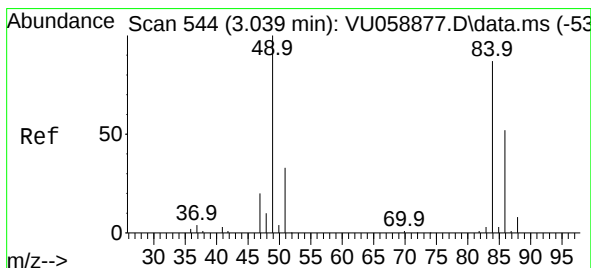
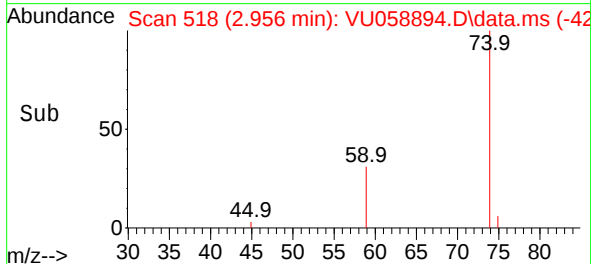
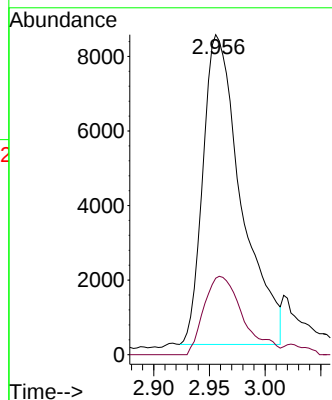
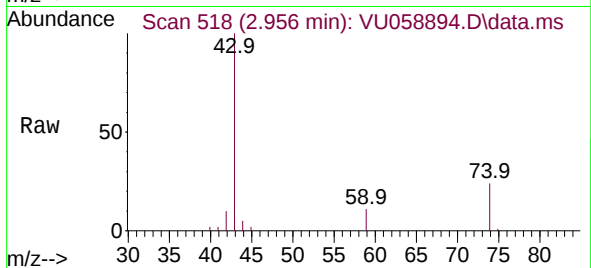
ClientSampleId :

Tgt Ion: 43 Resp: 19894

Ion Ratio Lower Upper

43 100

74 25.8 19.2 28.8



#16

Methylene chloride

Concen: 5.903 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

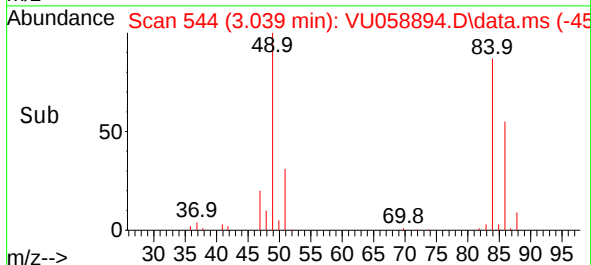
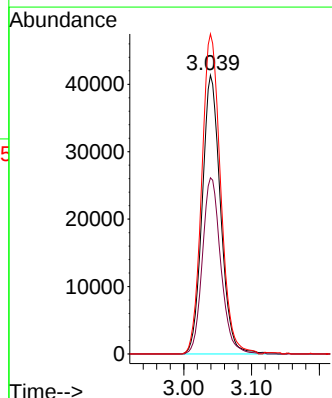
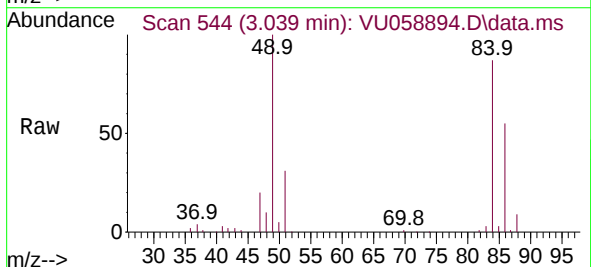
Tgt Ion: 84 Resp: 77609

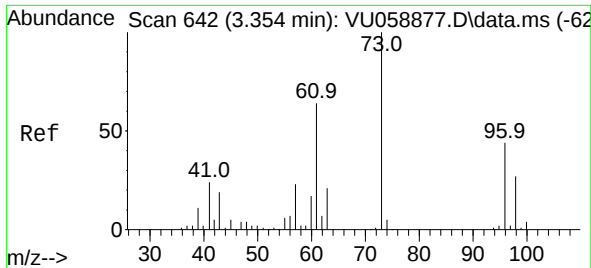
Ion Ratio Lower Upper

84 100

86 63.2 42.1 78.1

49 114.8 80.6 149.8

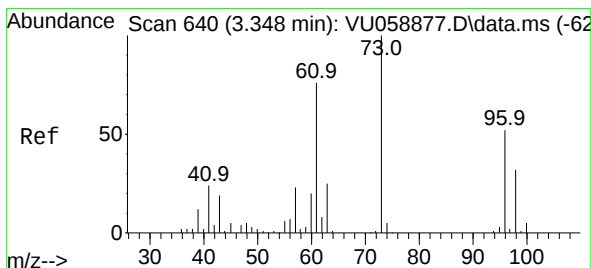
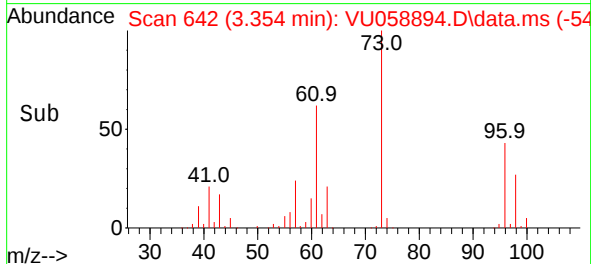
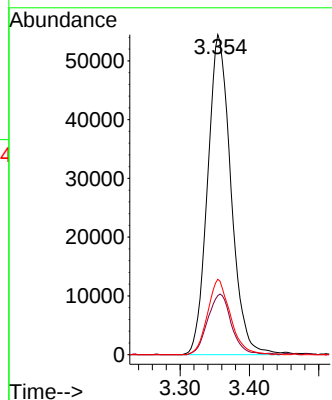
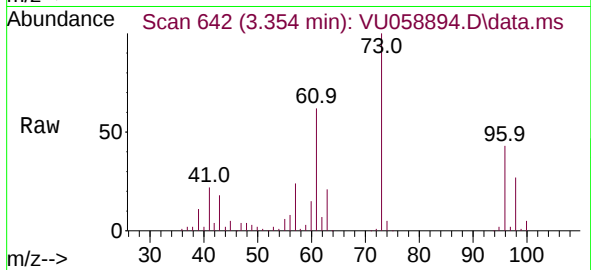




#17
Methyl tert-butyl Ether
Concen: 5.048 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

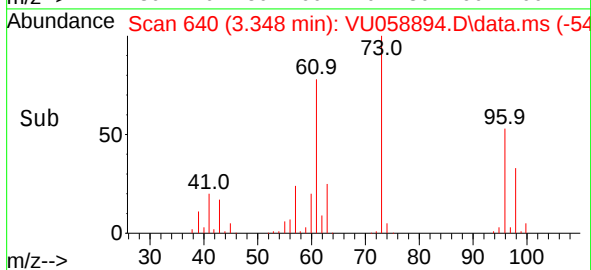
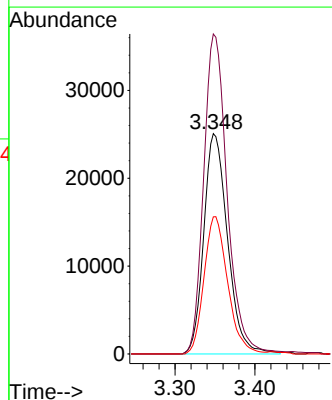
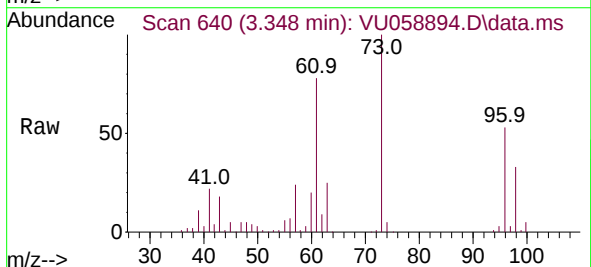
Instrument :
MSVOA_U
ClientSampleId :

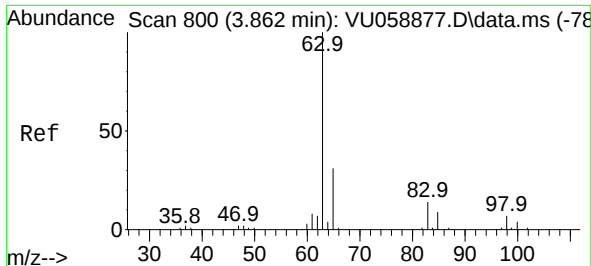
Tgt Ion: 73 Resp: 127166
Ion Ratio Lower Upper
73 100
43 19.2 14.9 22.3
57 23.1 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.096 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion: 96 Resp: 51996
Ion Ratio Lower Upper
96 100
61 145.3 101.8 189.0
98 62.3 43.3 80.5

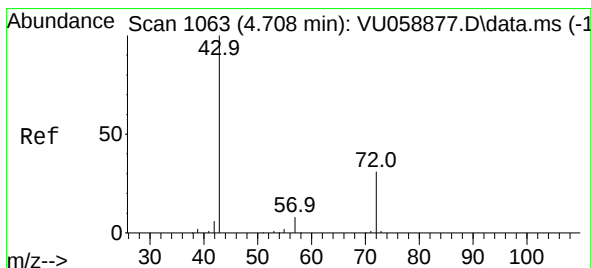
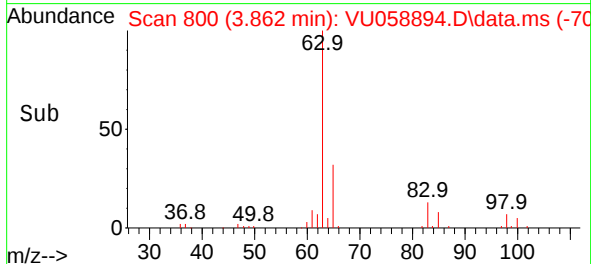
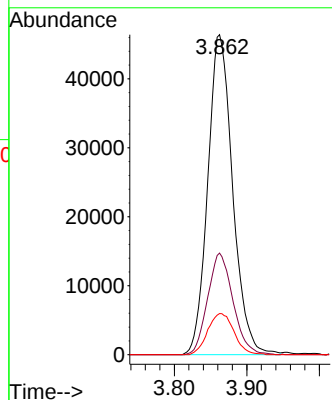
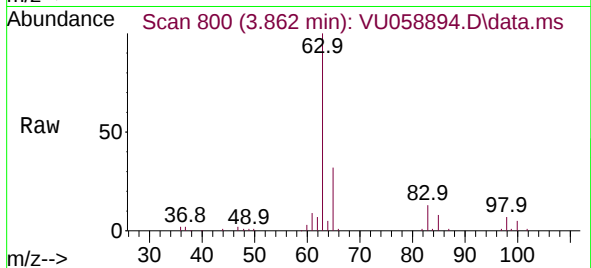




#19
1,1-Dichloroethane
Concen: 5.197 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

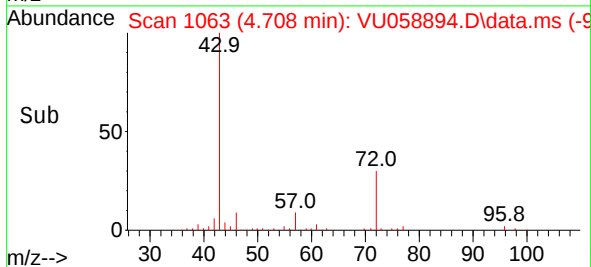
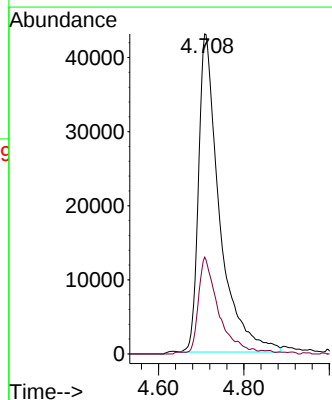
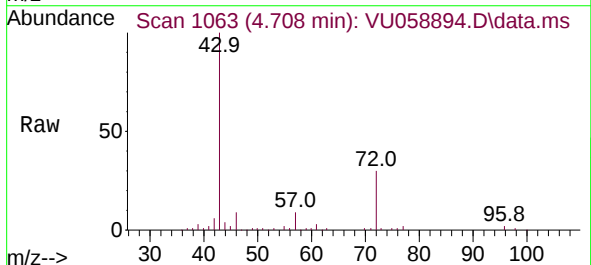
Instrument :
MSVOA_U
ClientSampleId :

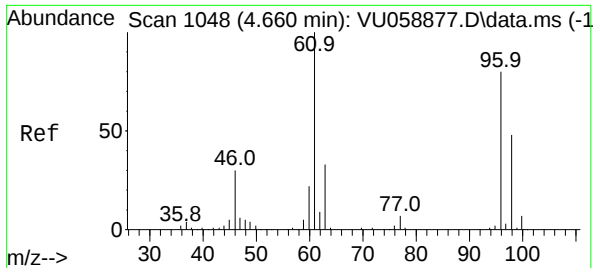
Tgt Ion: 63 Resp: 110849
Ion Ratio Lower Upper
63 100
65 31.7 21.8 40.6
83 12.9 9.9 18.5



#21
2-Butanone
Concen: 53.739 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion: 43 Resp: 145943
Ion Ratio Lower Upper
43 100
72 27.7 13.8 41.4

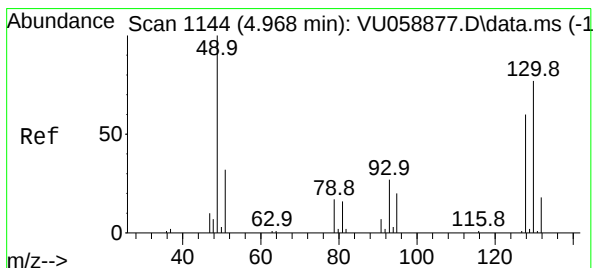
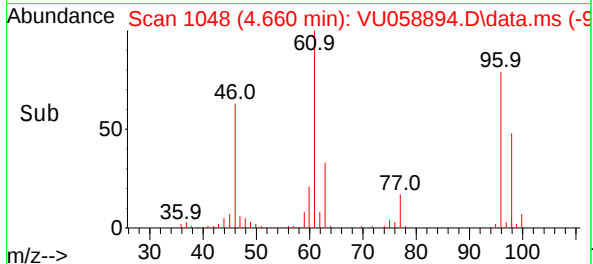
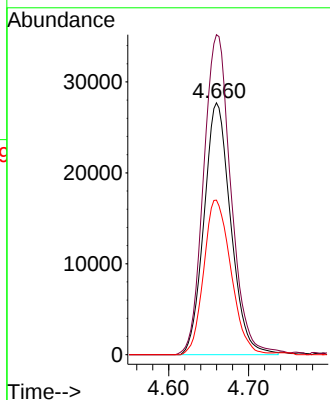
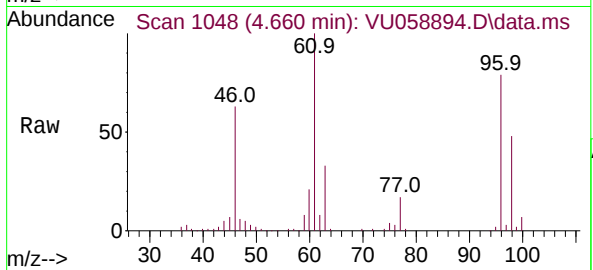




#22
 cis-1,2-Dichloroethene
 Concen: 5.485 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU058894.D
 Acq: 14 May 2024 18:28

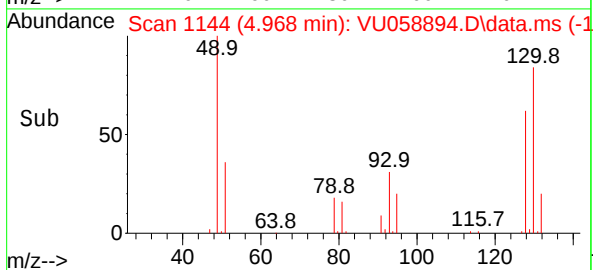
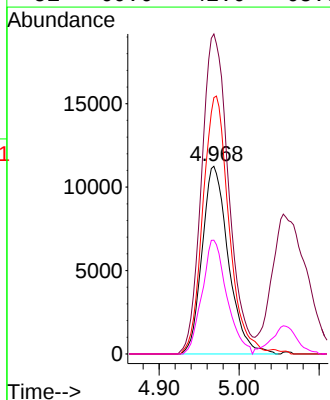
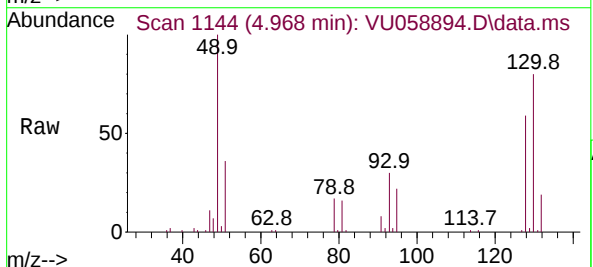
Instrument :
 MSVOA_U
 ClientSampleId :

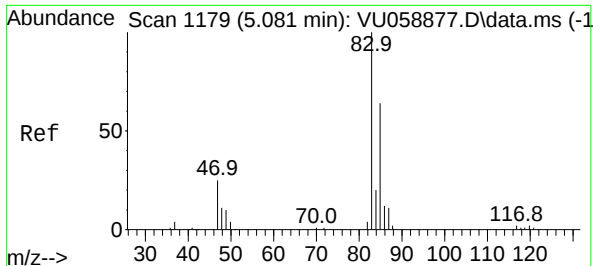
Tgt Ion: 96 Resp: 64441
 Ion Ratio Lower Upper
 96 100
 61 127.1 87.4 162.2
 98 61.4 42.3 78.5



#23
 Bromochloromethane
 Concen: 4.939 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU058894.D
 Acq: 14 May 2024 18:28

Tgt Ion:128 Resp: 25623
 Ion Ratio Lower Upper
 128 100
 49 170.4 117.0 217.4
 130 136.5 89.6 166.4
 51 60.6 42.0 63.0





#25

Chloroform

Concen: 5.139 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

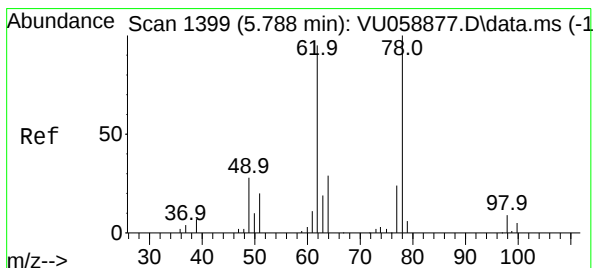
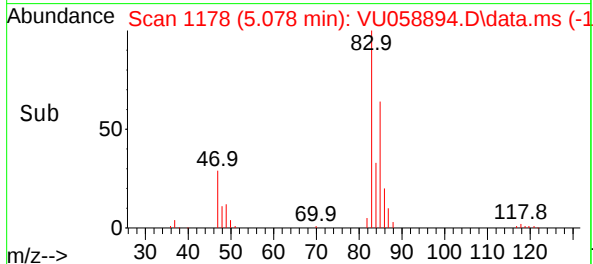
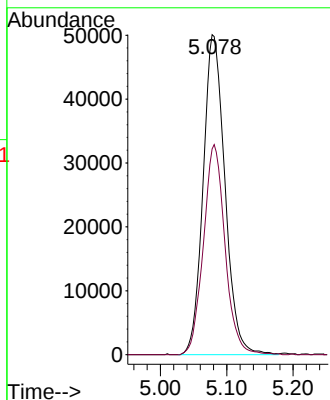
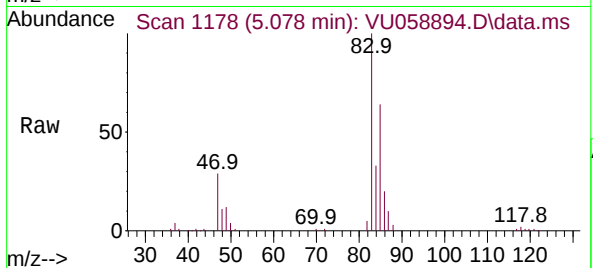
ClientSampleId :

Tgt Ion: 83 Resp: 114542

Ion Ratio Lower Upper

83 100

85 64.3 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.184 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU058894.D

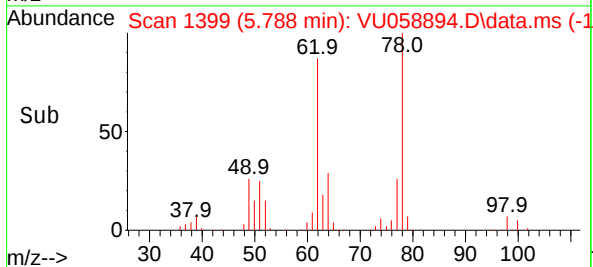
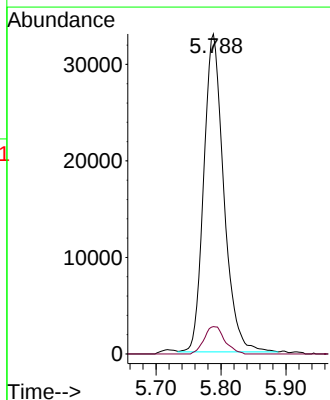
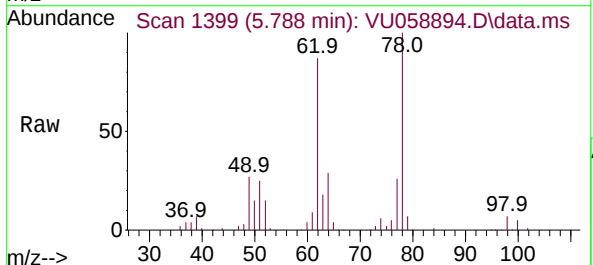
Acq: 14 May 2024 18:28

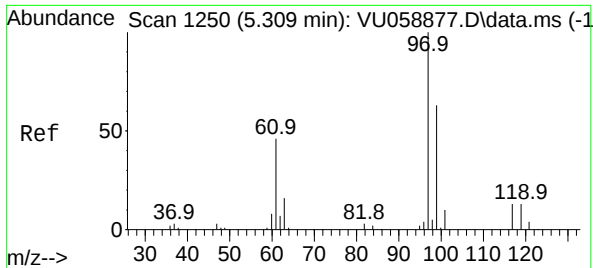
Tgt Ion: 62 Resp: 70590

Ion Ratio Lower Upper

62 100

98 8.5 7.5 11.3

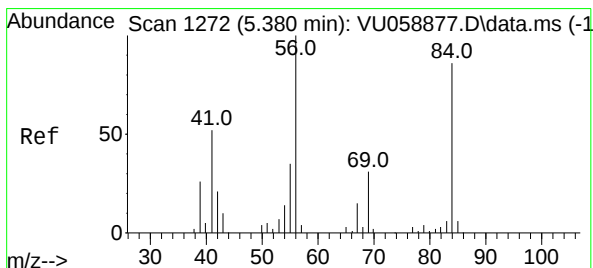
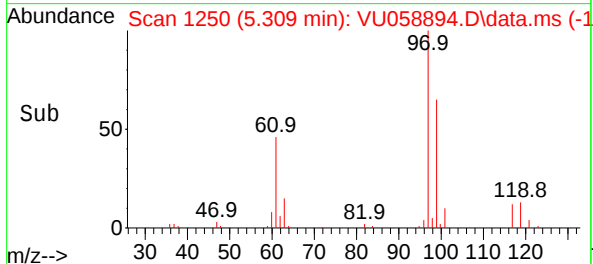
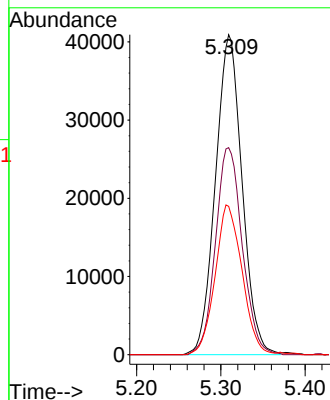
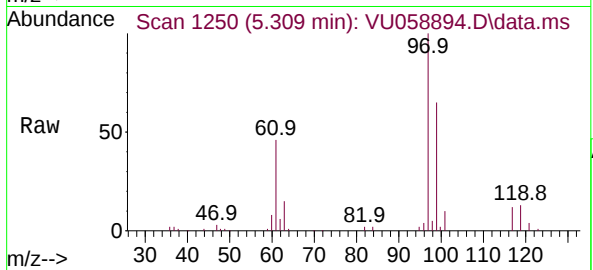




#29
1,1,1-Trichloroethane
Concen: 5.158 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

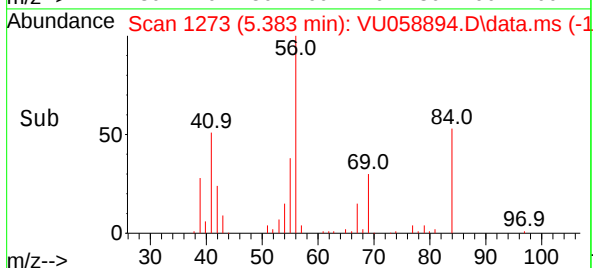
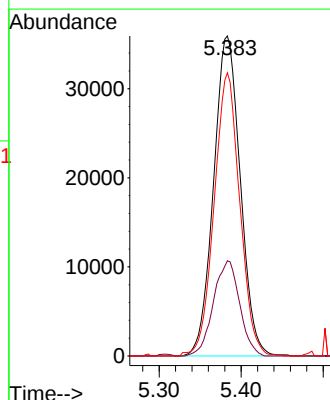
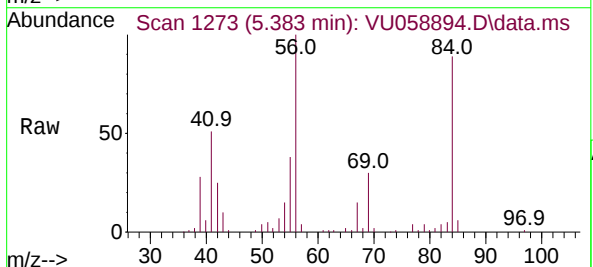
Instrument :
MSVOA_U
ClientSampleId :

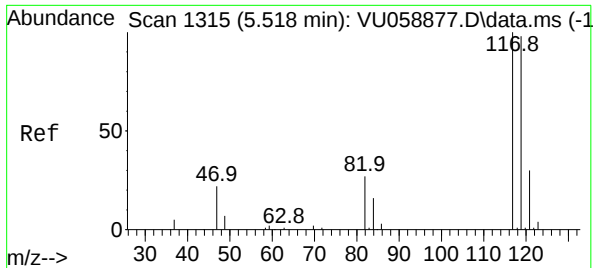
Tgt Ion: 97 Resp: 89785
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.6
61 47.3 37.4 56.2



#30
Cyclohexane
Concen: 4.934 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

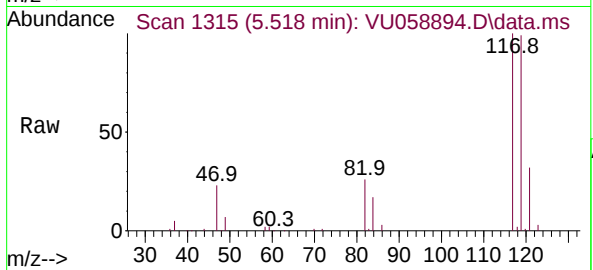
Tgt Ion: 56 Resp: 81211
Ion Ratio Lower Upper
56 100
69 29.2 24.8 37.2
84 84.9 69.8 104.8



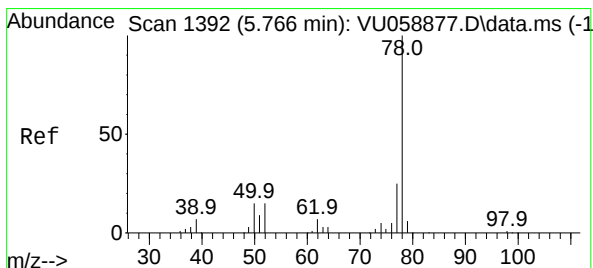
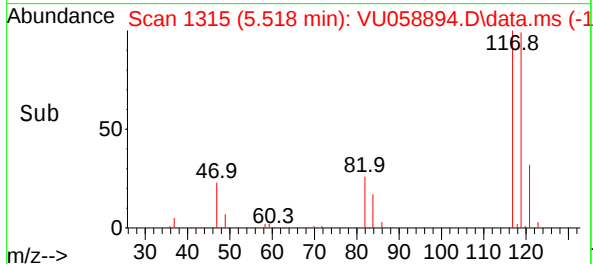
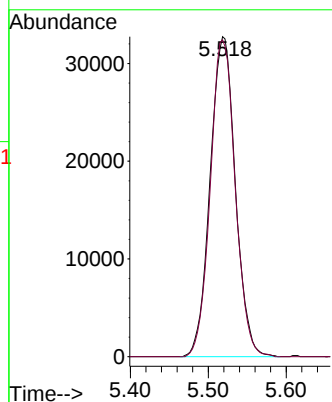


#31
Carbon tetrachloride
Concen: 5.077 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Instrument :
MSVOA_U
ClientSampleId :

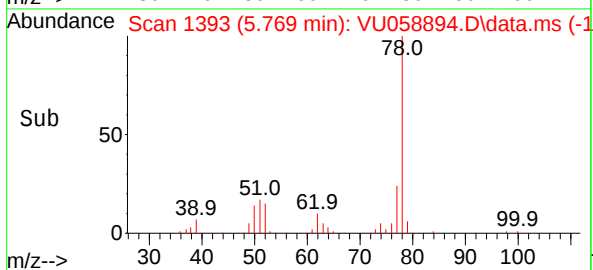
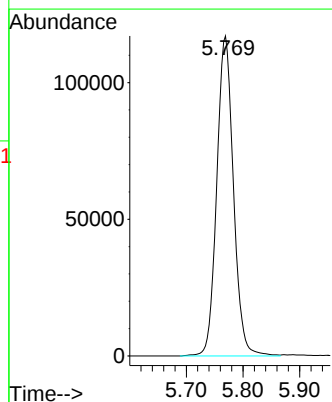
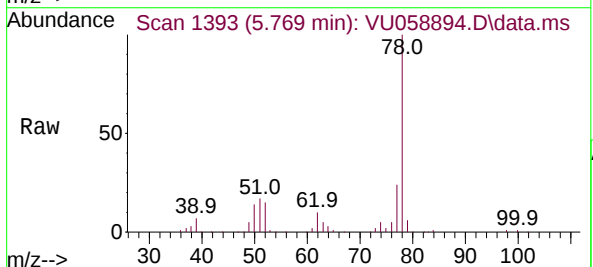


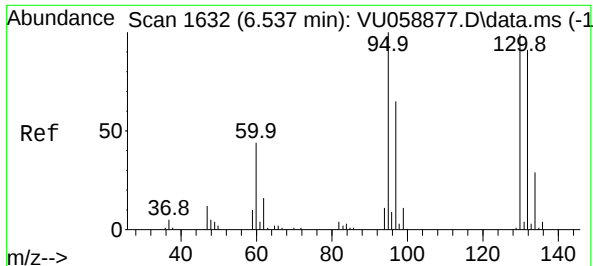
Tgt Ion:117 Resp: 73722
Ion Ratio Lower Upper
117 100
119 97.6 77.5 116.3



#33
Benzene
Concen: 5.232 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion: 78 Resp: 239429

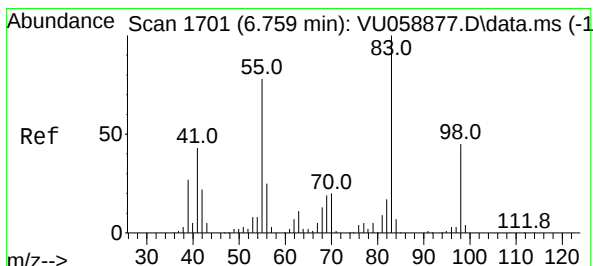
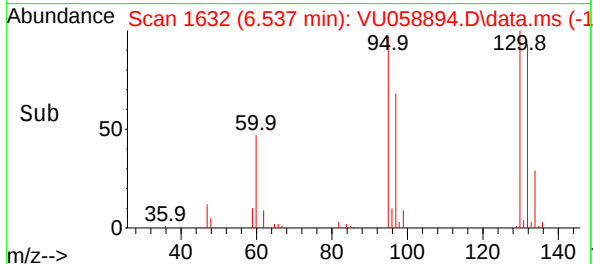
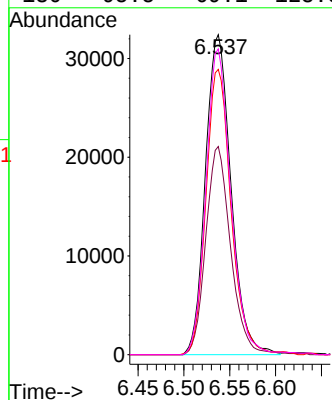
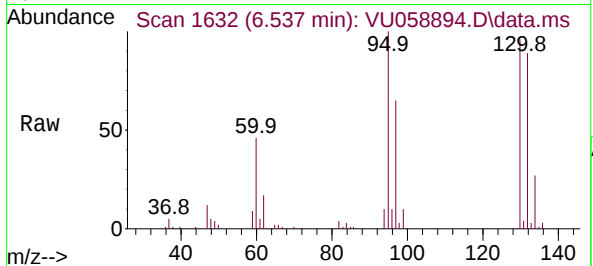




#34
Trichloroethene
Concen: 5.203 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

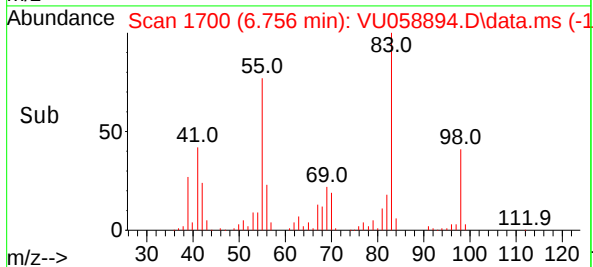
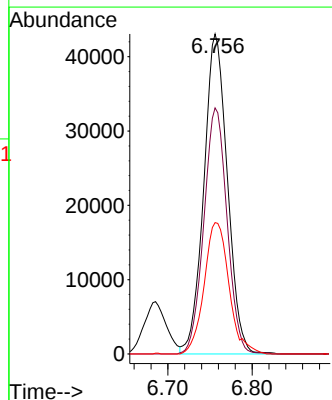
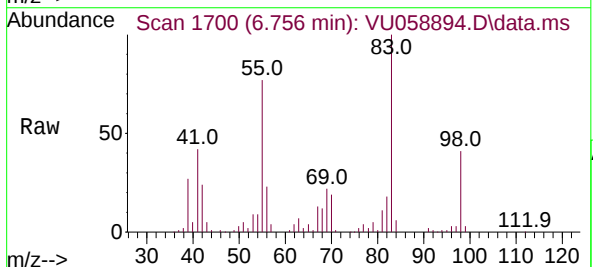
Instrument :
MSVOA_U
ClientSampleId :

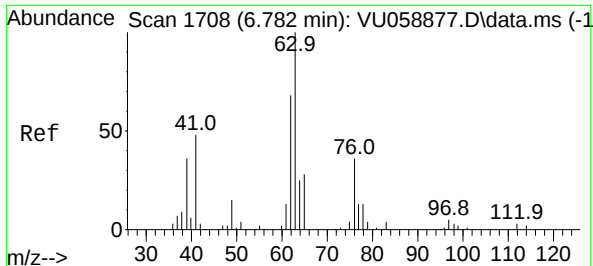
Tgt Ion: 95 Resp: 62984
Ion Ratio Lower Upper
95 100
97 65.0 45.3 84.1
132 89.1 64.0 119.0
130 95.5 69.1 128.3



#35
Methylcyclohexane
Concen: 4.857 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion: 83 Resp: 83885
Ion Ratio Lower Upper
83 100
55 75.6 62.7 94.1
98 43.2 35.4 53.0

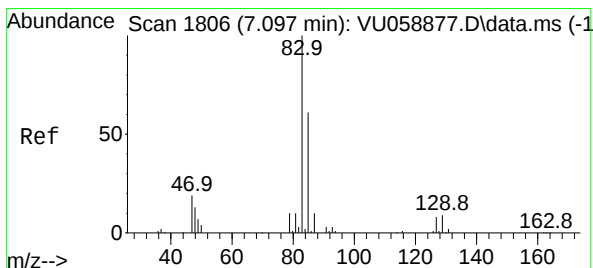
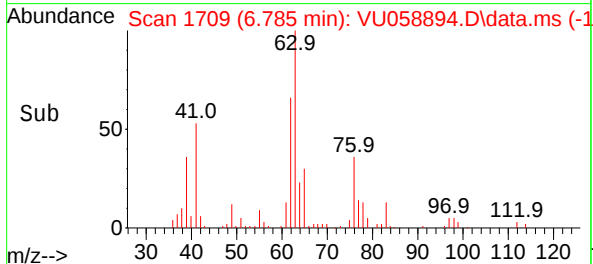
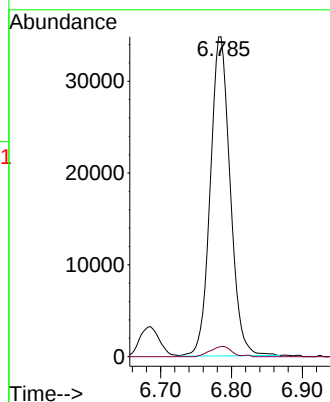
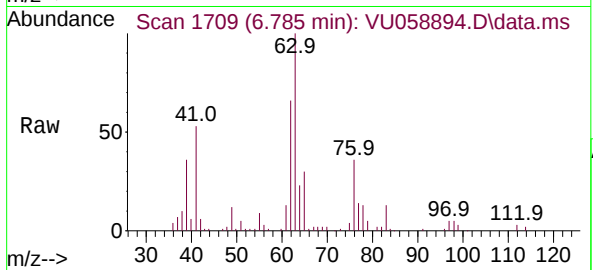




#37
1,2-Dichloropropane
Concen: 5.218 ug/L
RT: 6.785 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

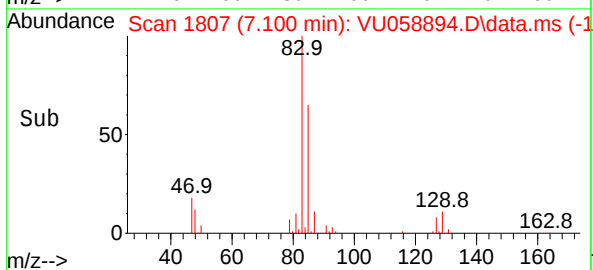
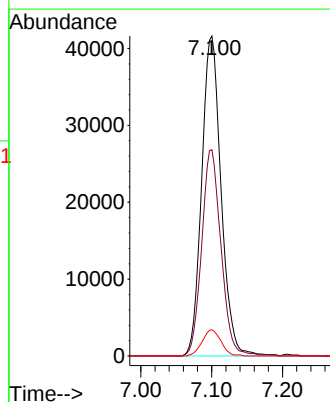
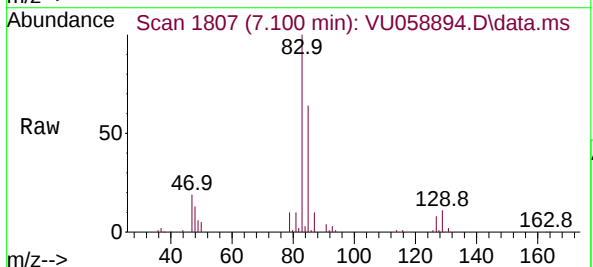
Instrument :
MSVOA_U
ClientSampleId :

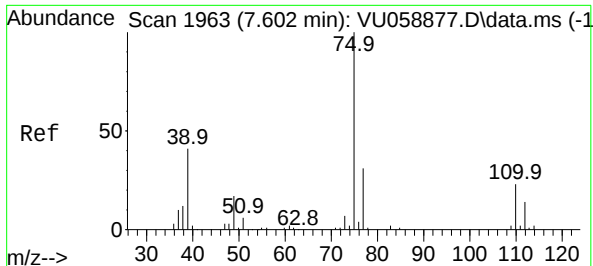
Tgt Ion: 63 Resp: 67775
Ion Ratio Lower Upper
63 100
112 3.4 2.6 3.8



#38
Bromodichloromethane
Concen: 5.093 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion: 83 Resp: 79294
Ion Ratio Lower Upper
83 100
85 64.5 42.7 79.3
127 8.2 6.1 9.1

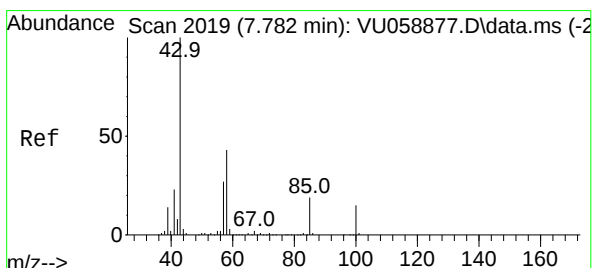
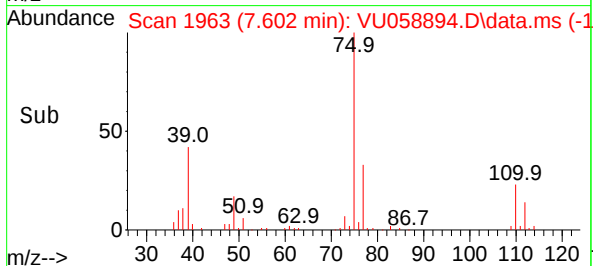
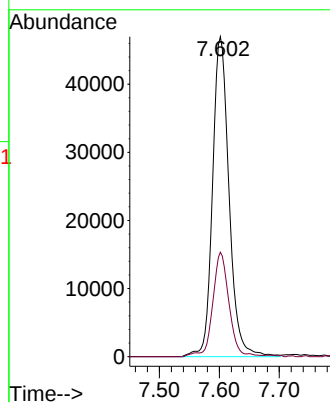
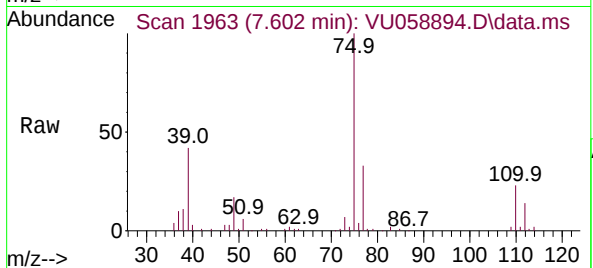




#39
 cis-1,3-Dichloropropene
 Concen: 5.084 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU058894.D
 Acq: 14 May 2024 18:28

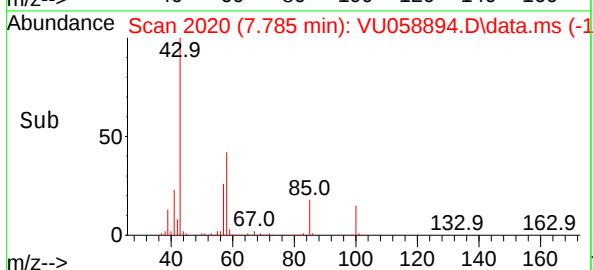
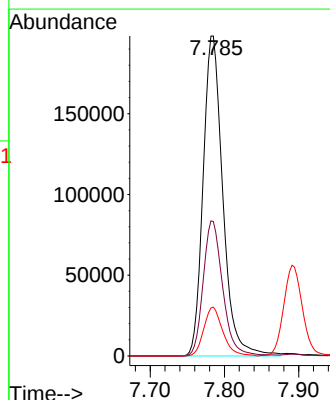
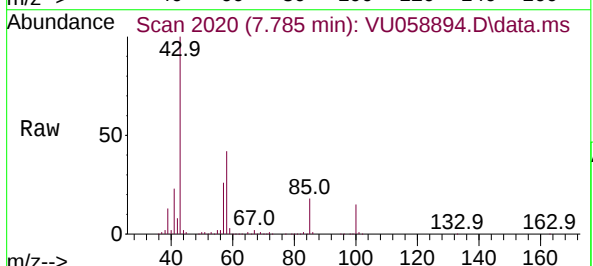
Instrument :
 MSVOA_U
 ClientSampleId :

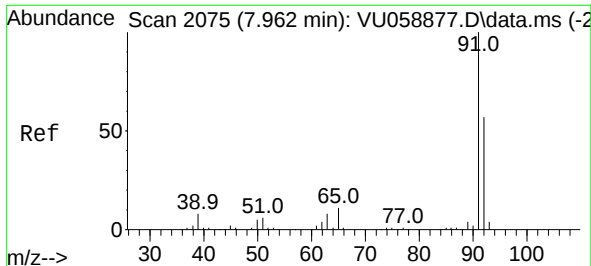
Tgt Ion: 75 Resp: 89998
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 54.373 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.003 min
 Lab File: VU058894.D
 Acq: 14 May 2024 18:28

Tgt Ion: 43 Resp: 365056
 Ion Ratio Lower Upper
 43 100
 58 41.9 34.0 51.0
 100 14.7 12.1 18.1





#42

Toluene

Concen: 5.364 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

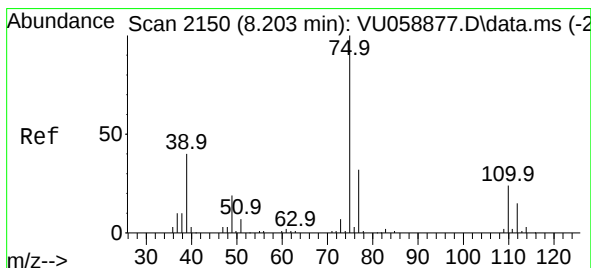
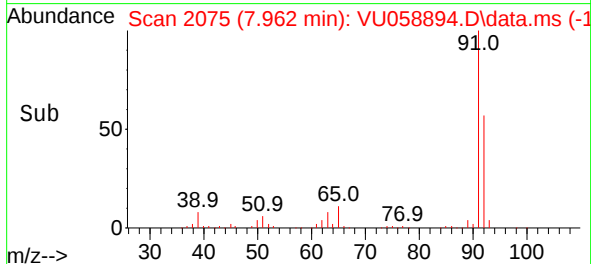
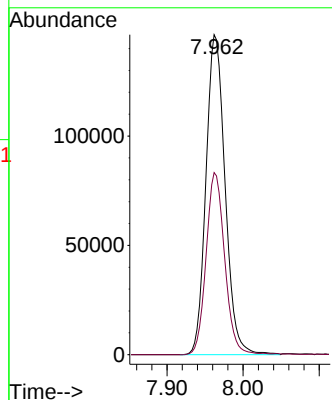
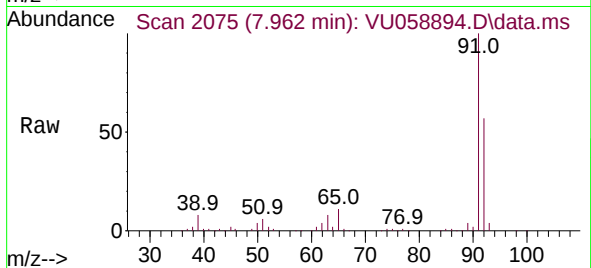
ClientSampleId :

Tgt Ion: 91 Resp: 256010

Ion Ratio Lower Upper

91 100

92 56.9 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 5.119 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU058894.D

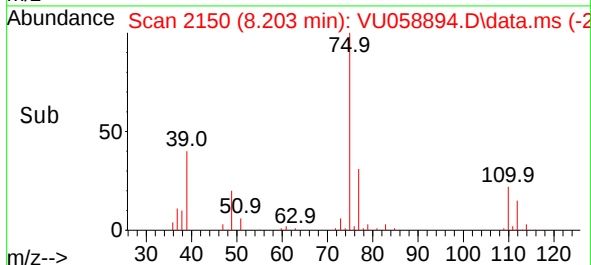
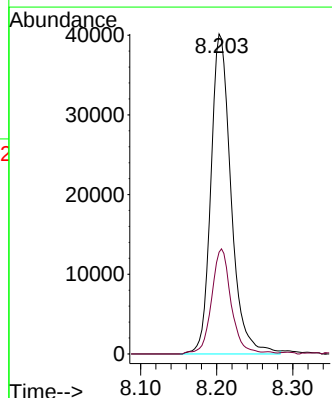
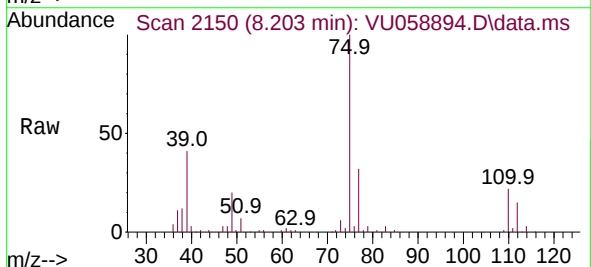
Acq: 14 May 2024 18:28

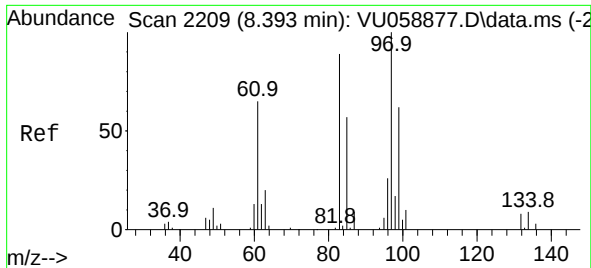
Tgt Ion: 75 Resp: 73941

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0

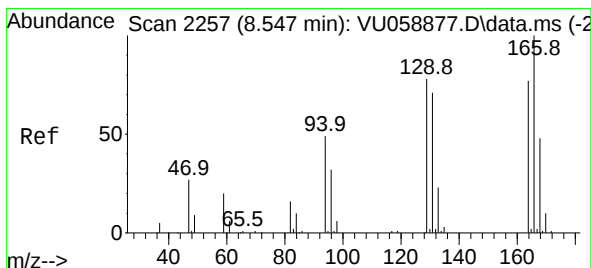
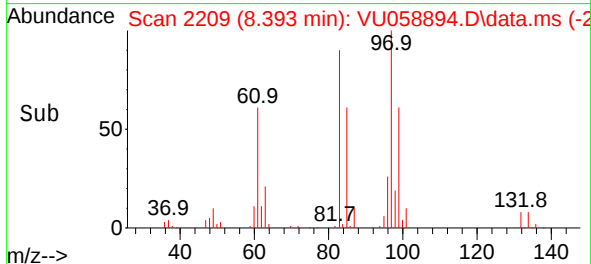
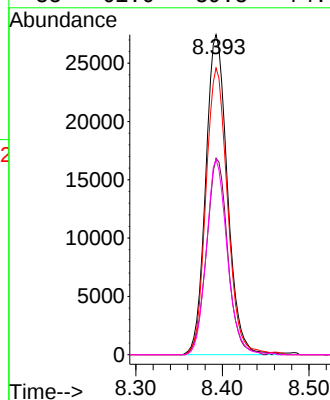
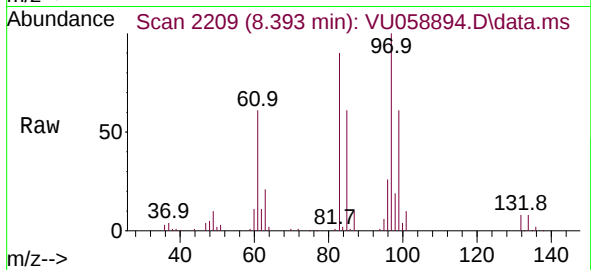




#45
1,1,2-Trichloroethane
Concen: 5.228 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

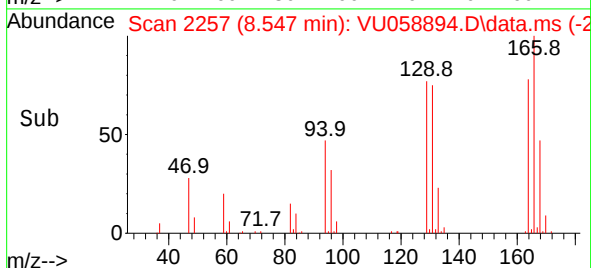
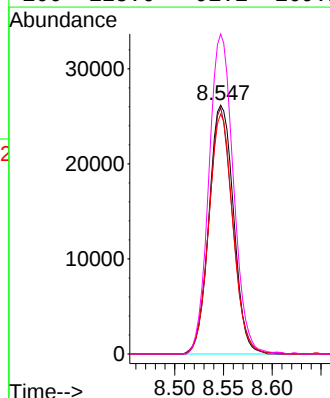
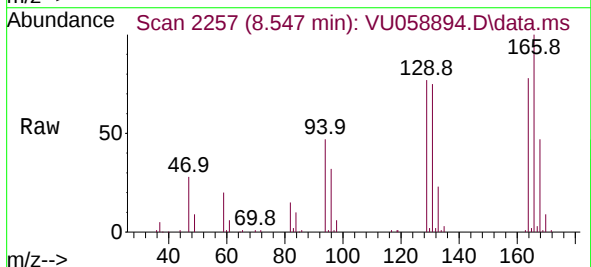
Instrument :
MSVOA_U
ClientSampleId :

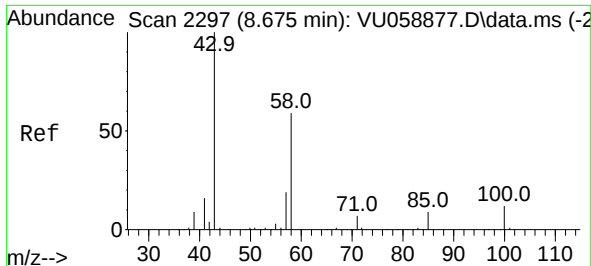
Tgt Ion:	97	Resp:	47776
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.3	80.3
83	89.6	62.3	115.7
85	61.0	39.8	74.0



#47
Tetrachloroethene
Concen: 5.306 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion:	164	Resp:	45759
Ion	Ratio	Lower	Upper
164	100		
129	99.0	70.8	131.4
131	96.5	64.8	120.3
166	128.6	91.1	169.1





#48

2-Hexanone

Concen: 54.901 ug/L

RT: 8.679 min Scan# 2297

Delta R.T. 0.003 min

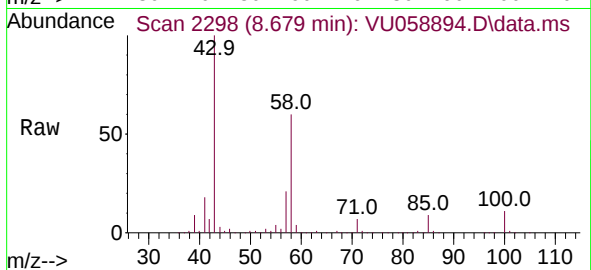
Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 265629

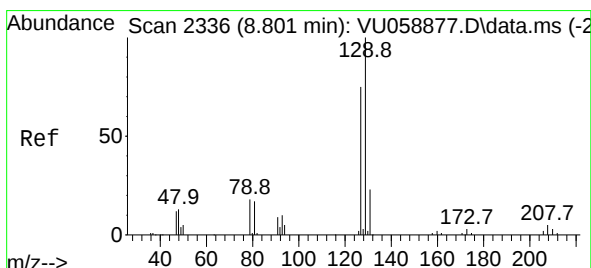
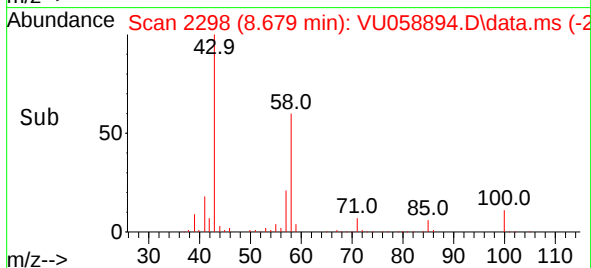
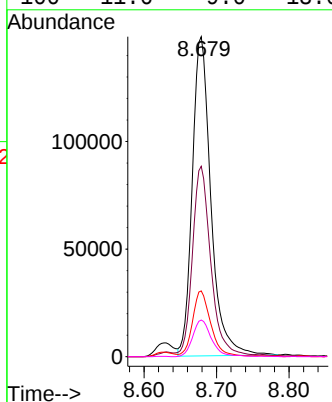
Ion Ratio Lower Upper

43 100

58 57.6 46.1 69.1

57 19.6 15.5 23.3

100 11.6 9.0 13.6



#49

Dibromochloromethane

Concen: 5.136 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU058894.D

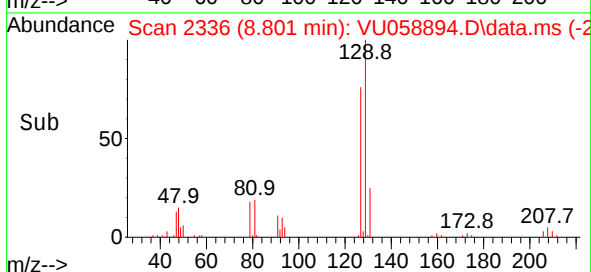
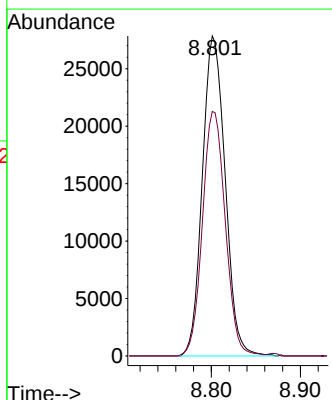
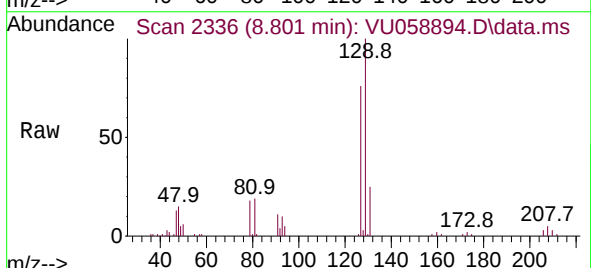
Acq: 14 May 2024 18:28

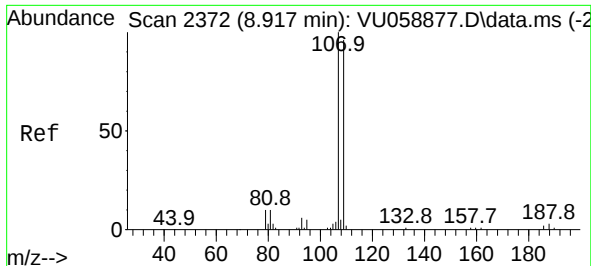
Tgt Ion: 129 Resp: 49488

Ion Ratio Lower Upper

129 100

127 76.4 52.5 97.5





#50

1,2-Dibromoethane

Concen: 5.293 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

ClientSampleId :

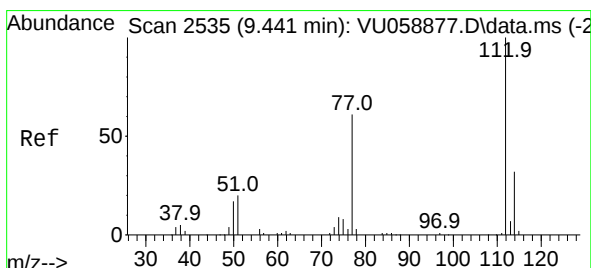
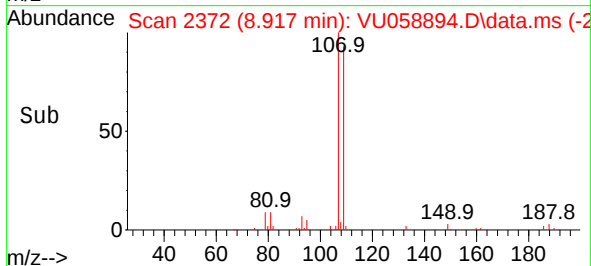
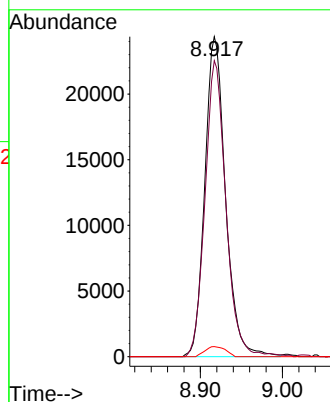
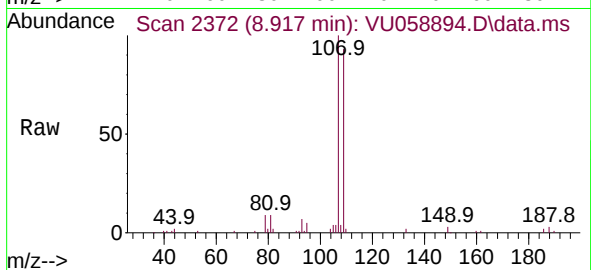
Tgt Ion:107 Resp: 42740

Ion Ratio Lower Upper

107 100

109 92.5 66.9 124.3

188 3.1 2.7 4.1



#51

Chlorobenzene

Concen: 5.133 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

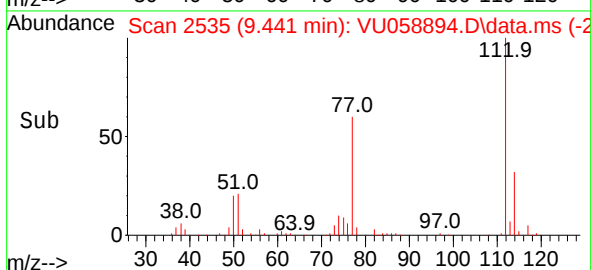
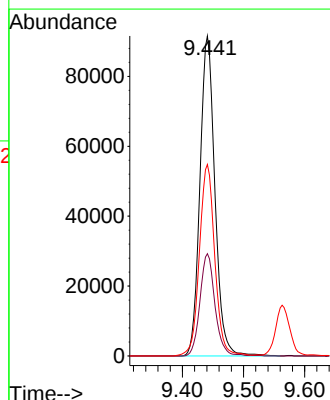
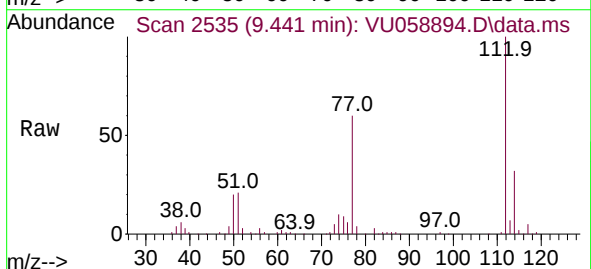
Tgt Ion:112 Resp: 156113

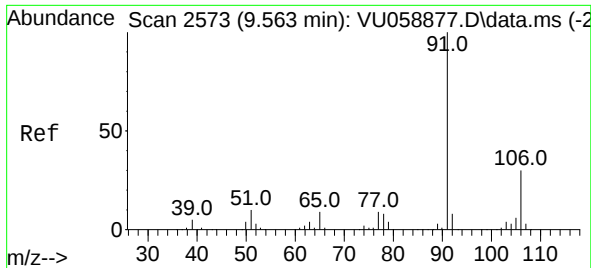
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 59.8 49.1 73.7

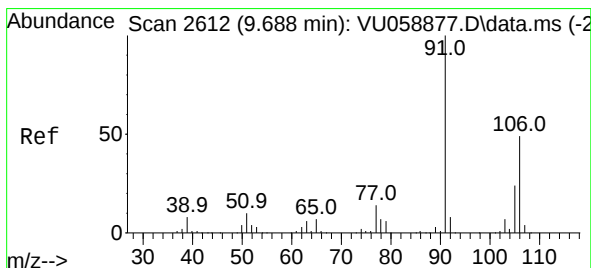
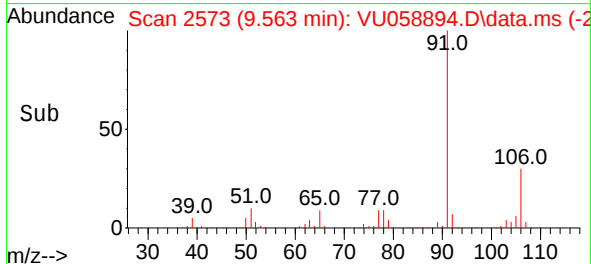
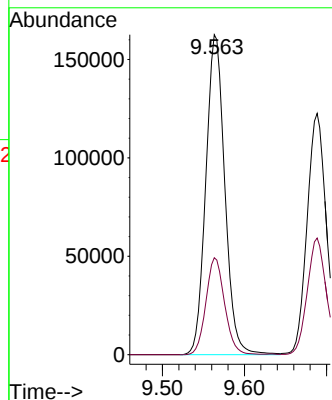
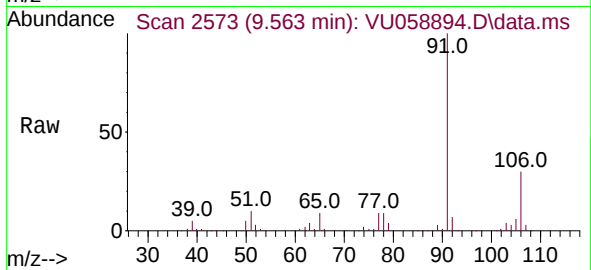




#52
Ethylbenzene
Concen: 5.085 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

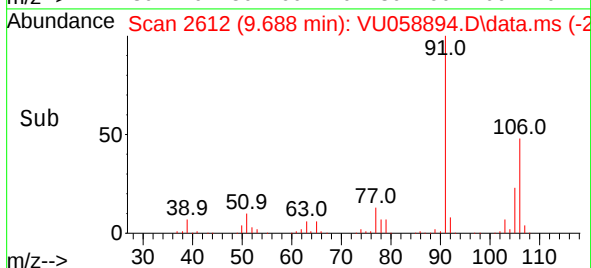
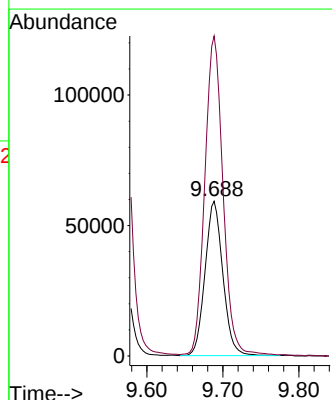
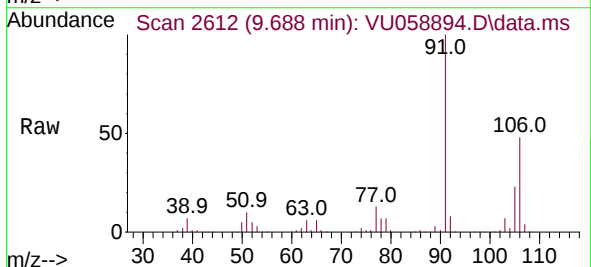
Instrument :
MSVOA_U
ClientSampleId :

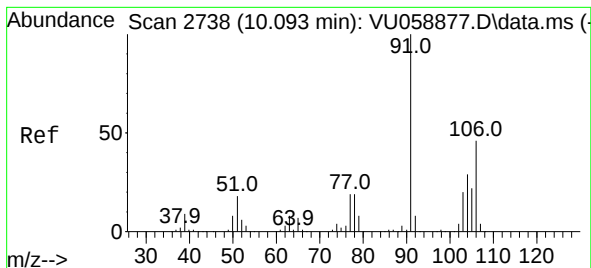
Tgt Ion: 91 Resp: 262043
Ion Ratio Lower Upper
91 100
106 30.3 20.9 38.7



#53
m,p-Xylene
Concen: 5.104 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion:106 Resp: 96257
Ion Ratio Lower Upper
106 100
91 206.8 142.0 263.8





#54

o-Xylene

Concen: 5.137 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

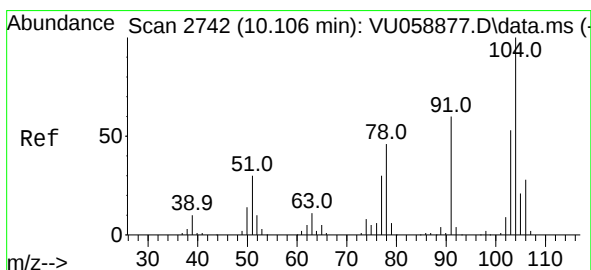
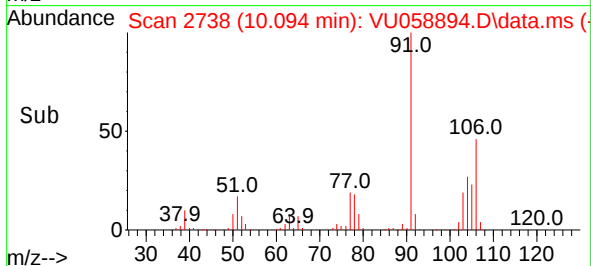
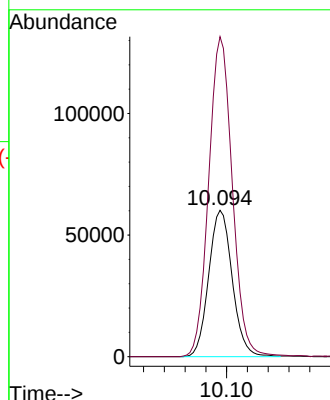
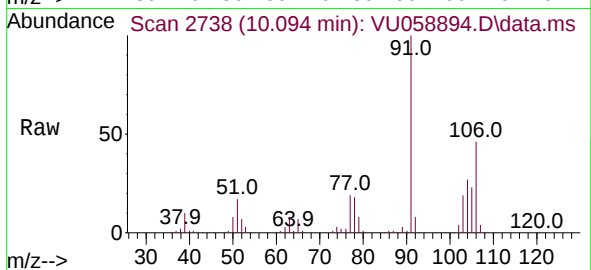
ClientSampleId :

Tgt Ion:106 Resp: 94745

Ion Ratio Lower Upper

106 100

91 218.5 151.6 281.6



#55

Styrene

Concen: 5.333 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU058894.D

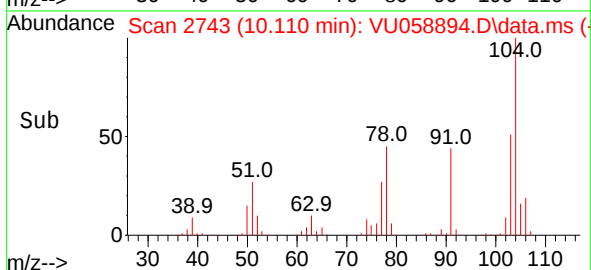
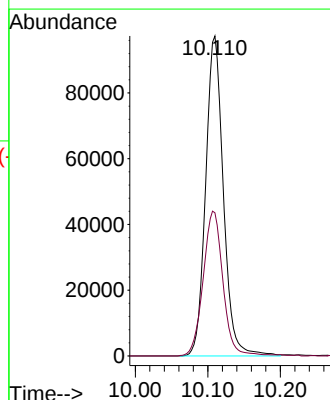
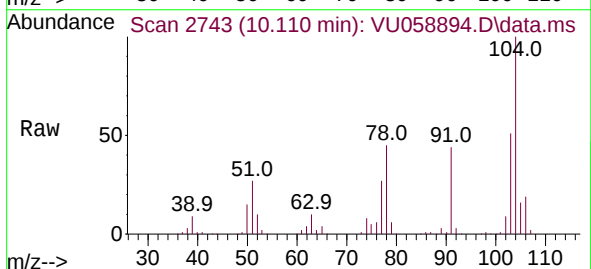
Acq: 14 May 2024 18:28

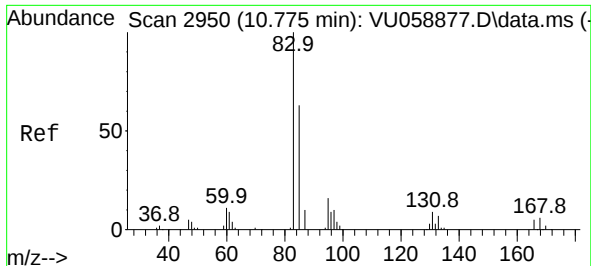
Tgt Ion:104 Resp: 165472

Ion Ratio Lower Upper

104 100

78 44.7 32.3 60.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.180 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058894.D

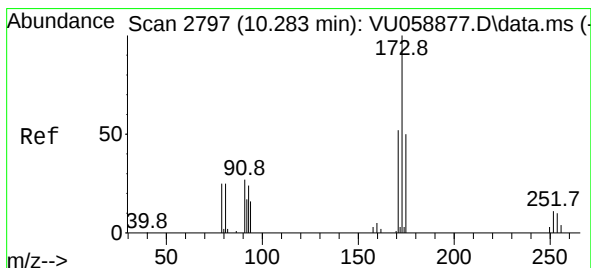
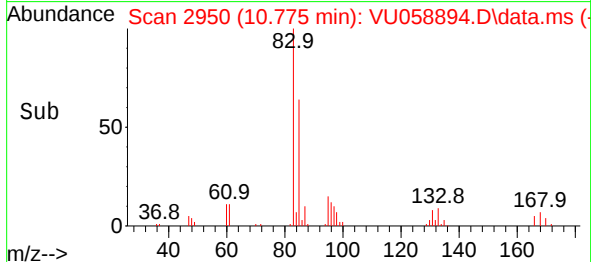
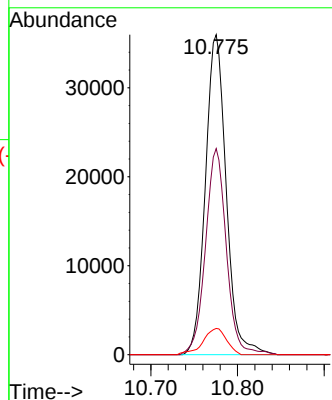
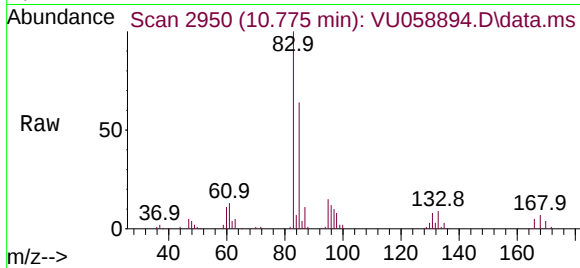
Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	60005
Ion Ratio	Lower	Upper	
83	100		
85	64.4	44.7	82.9
131	8.2	6.9	10.3



#59

Bromoform

Concen: 4.959 ug/L

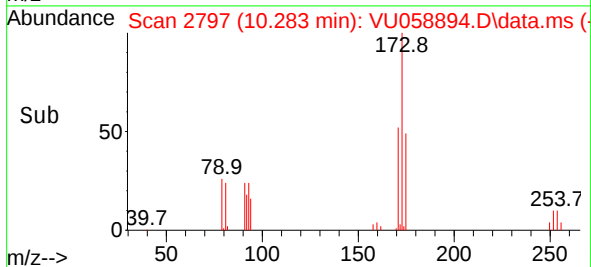
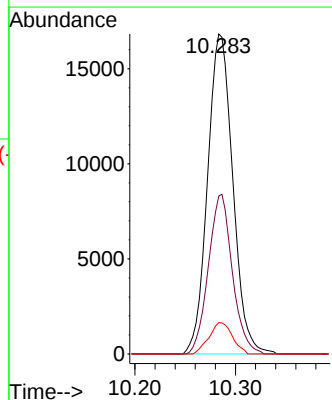
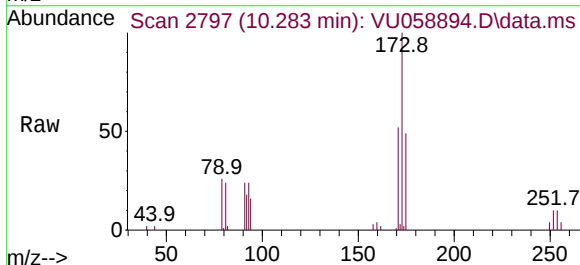
RT: 10.283 min Scan# 2797

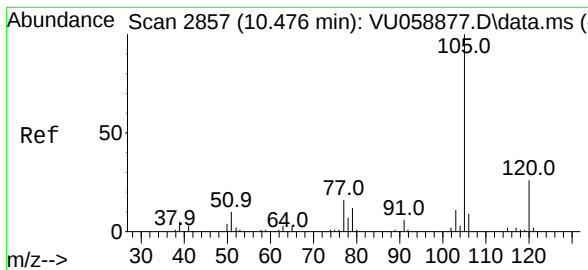
Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Tgt Ion:	173	Resp:	29358
Ion Ratio	Lower	Upper	
173	100		
175	47.3	39.4	59.2
254	9.0	7.4	11.2





#60

Isopropylbenzene

Concen: 4.970 ug/L

RT: 10.479 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

ClientSampleId :

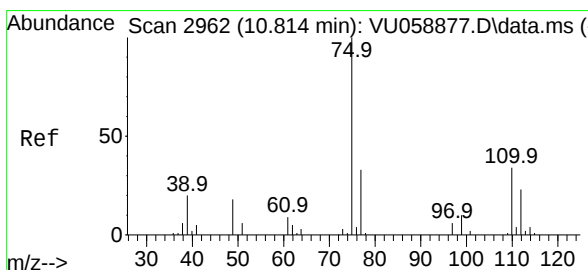
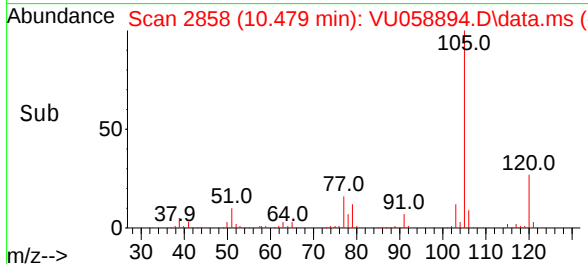
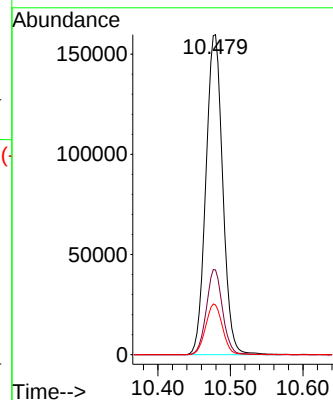
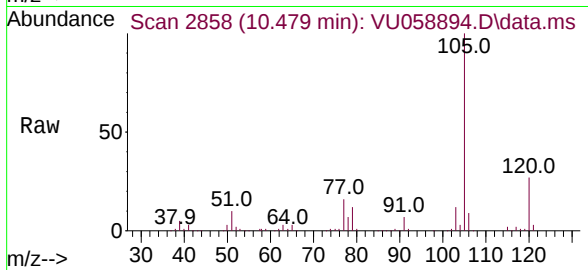
Tgt Ion:105 Resp: 257800

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 15.8 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 4.994 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

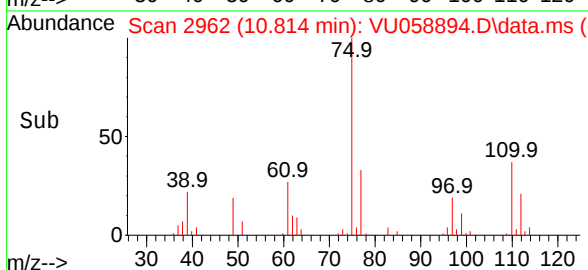
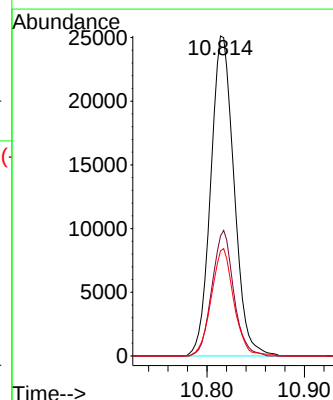
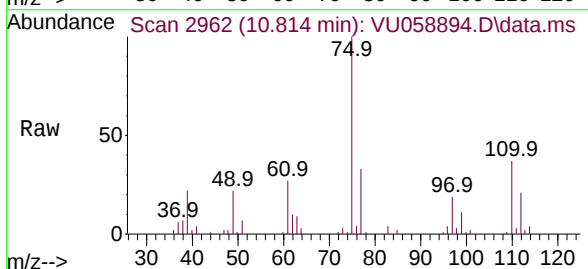
Tgt Ion: 75 Resp: 41668

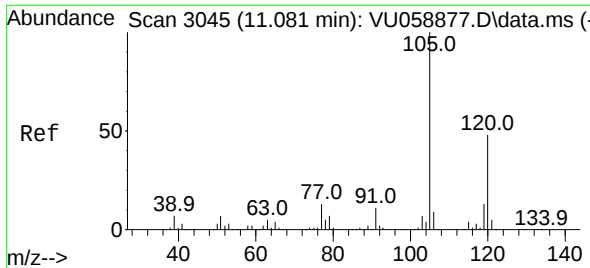
Ion Ratio Lower Upper

75 100

110 36.5 27.1 40.7

77 32.5 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 4.941 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

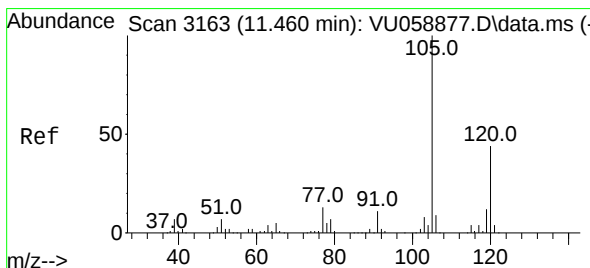
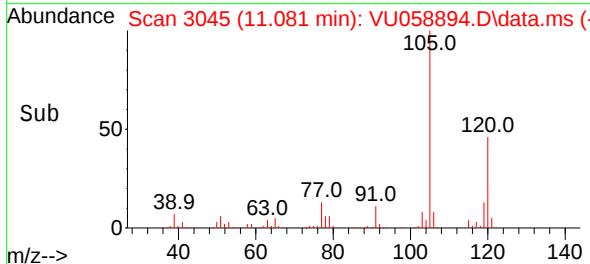
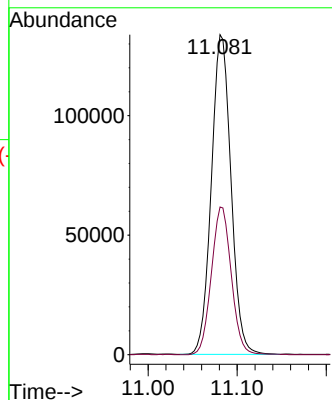
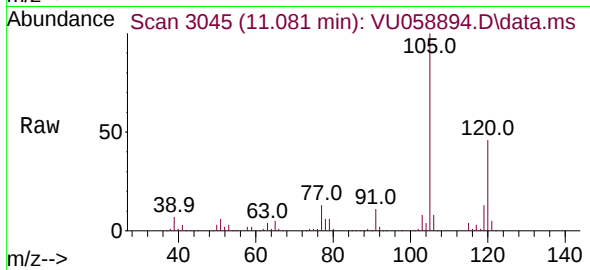
ClientSampleId :

Tgt Ion:105 Resp: 204261

Ion Ratio Lower Upper

105 100

120 46.9 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 5.028 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU058894.D

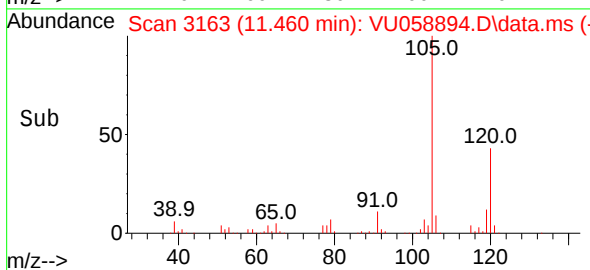
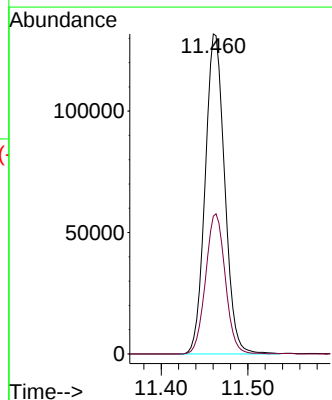
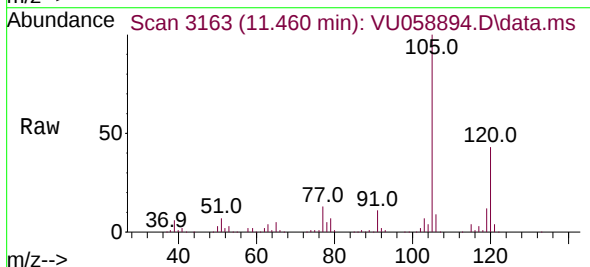
Acq: 14 May 2024 18:28

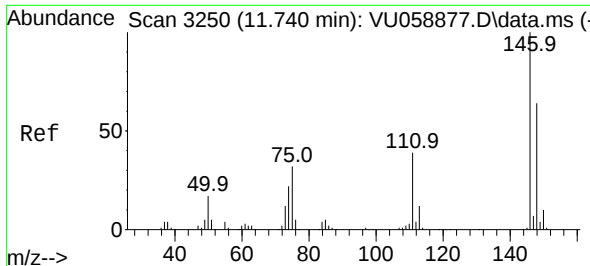
Tgt Ion:105 Resp: 206113

Ion Ratio Lower Upper

105 100

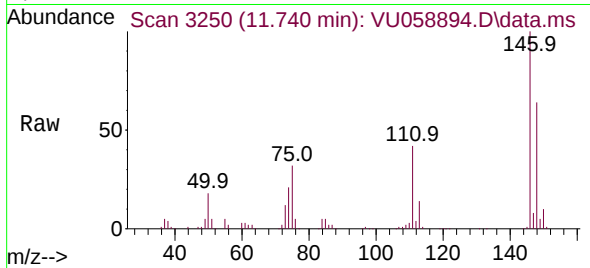
120 44.2 35.4 53.0



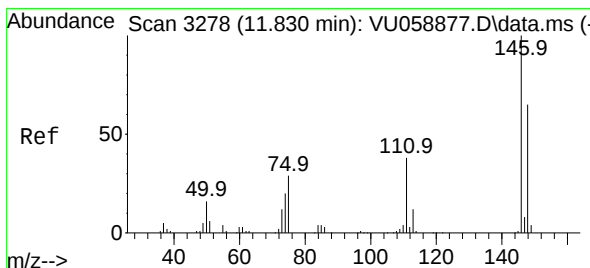
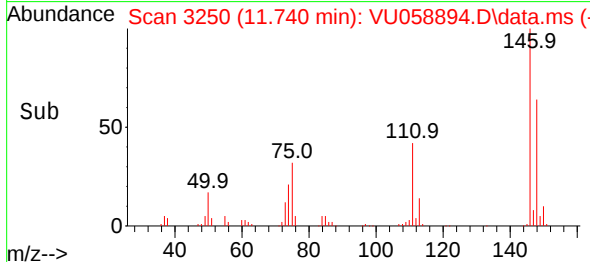
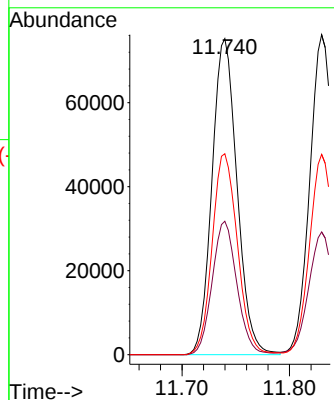


#64
1,3-Dichlorobenzene
Concen: 4.830 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Instrument :
MSVOA_U
ClientSampleId :

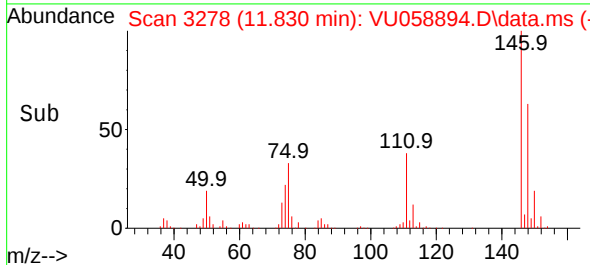
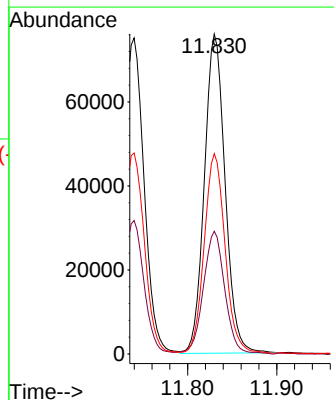
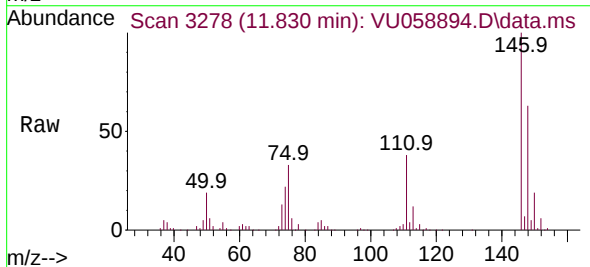


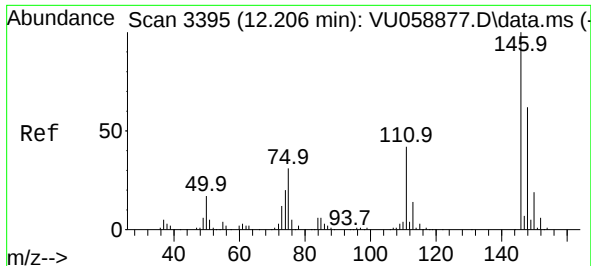
Tgt Ion:146 Resp: 121894
Ion Ratio Lower Upper
146 100
111 42.3 27.4 51.0
148 63.6 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 4.870 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion:146 Resp: 122668
Ion Ratio Lower Upper
146 100
111 38.3 26.9 50.1
148 62.6 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.990 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

ClientSampleId :

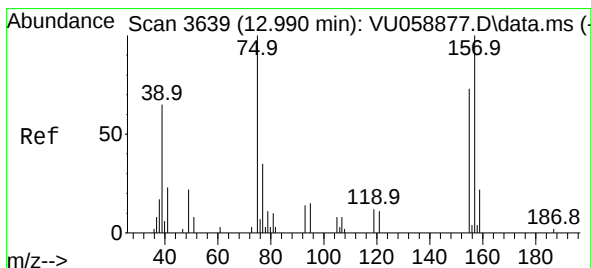
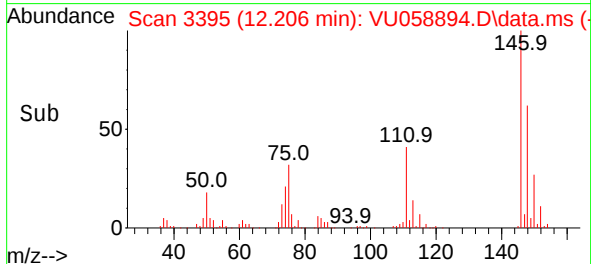
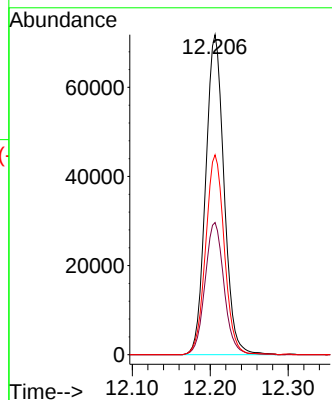
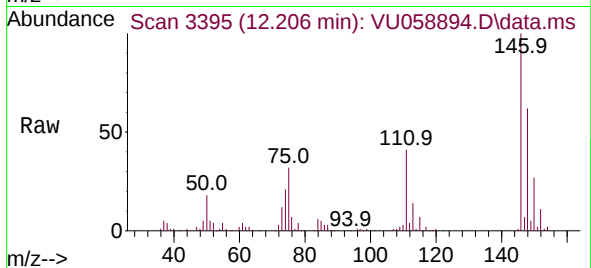
Tgt Ion:146 Resp: 117717

Ion Ratio Lower Upper

146 100

111 41.3 33.4 50.0

148 62.5 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 4.864 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

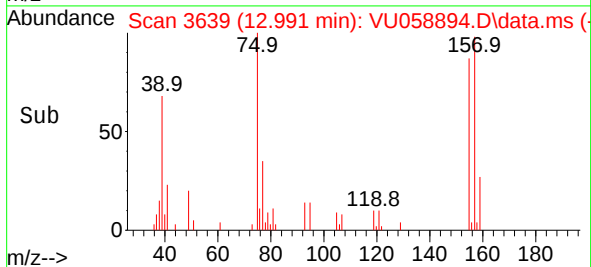
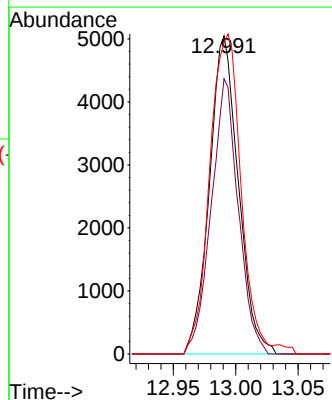
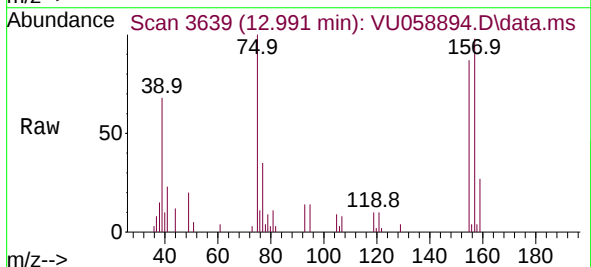
Tgt Ion: 75 Resp: 8163

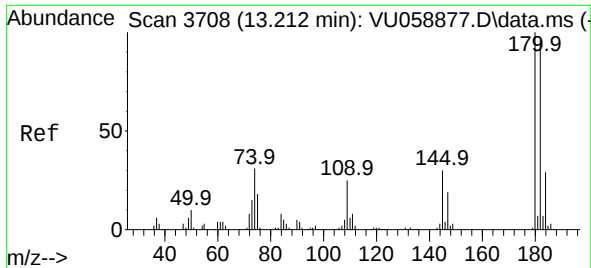
Ion Ratio Lower Upper

75 100

155 86.5 58.2 87.2

157 97.9 80.0 120.0





#69

1,3,5-Trichlorobenzene

Concen: 4.720 ug/L

RT: 13.212 min Scan# 3

Delta R.T. 0.000 min

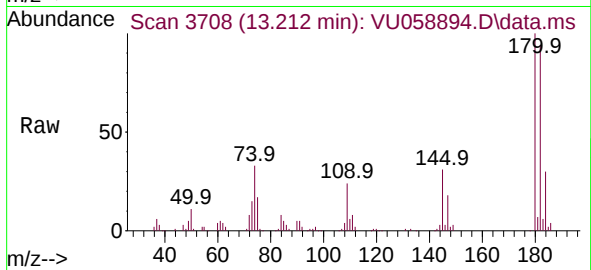
Lab File: VU058894.D

Acq: 14 May 2024 18:28

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 89327

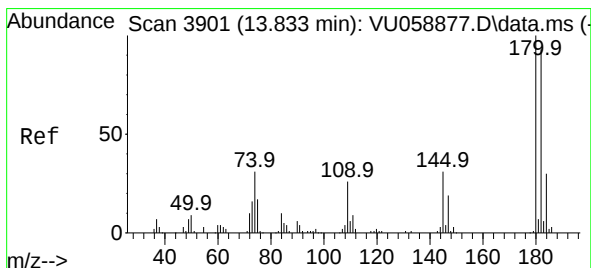
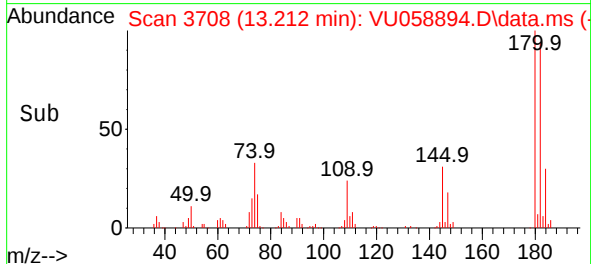
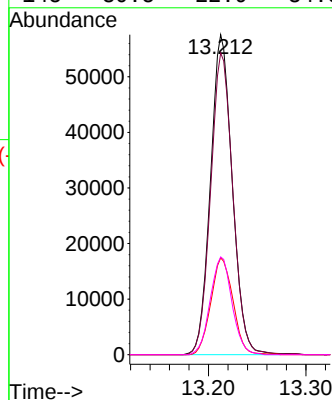
Ion Ratio Lower Upper

180 100

182 95.9 75.4 113.0

184 30.6 23.0 34.6

145 30.5 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 4.731 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058894.D

Acq: 14 May 2024 18:28

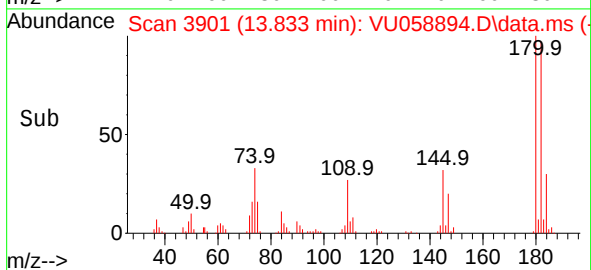
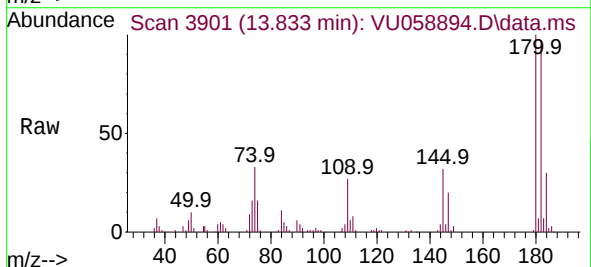
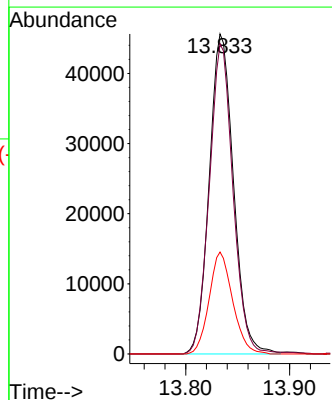
Tgt Ion:180 Resp: 73890

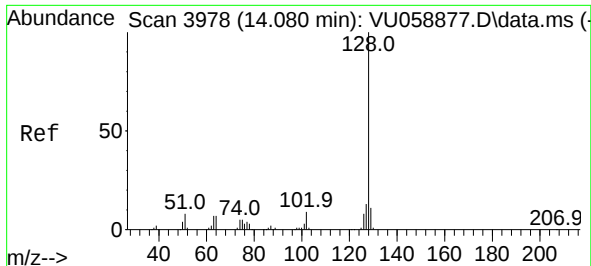
Ion Ratio Lower Upper

180 100

182 94.9 74.9 112.3

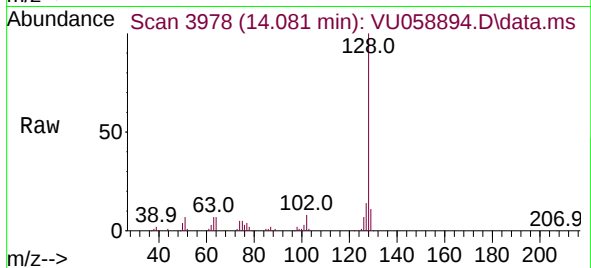
145 30.8 23.9 35.9



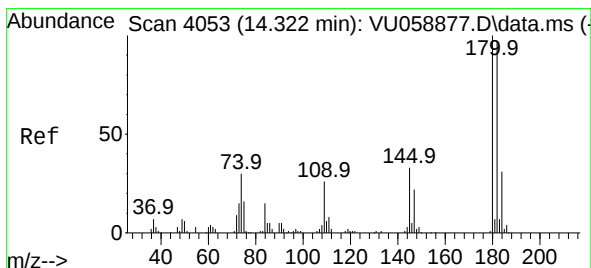
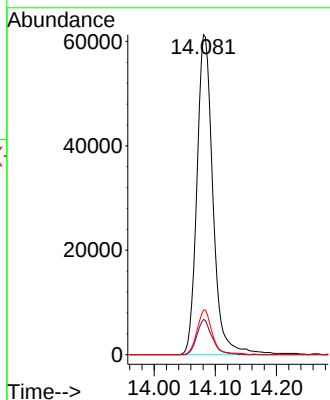
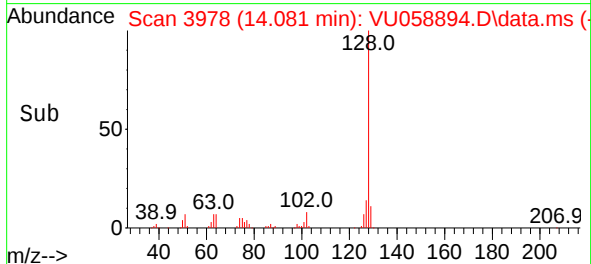


#71
Naphthalene
Concen: 4.742 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 111603
Ion Ratio Lower Upper
128 100
129 10.4 8.2 12.4
127 12.9 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.896 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU058894.D
Acq: 14 May 2024 18:28

Tgt Ion:180 Resp: 67096
Ion Ratio Lower Upper
180 100
182 93.7 77.0 115.6
145 32.2 26.2 39.4

