

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057886.D
 Acq On : 19 Feb 2024 17:21
 Operator : MD/SY
 Sample : VSTD200
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 20 01:19:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:16:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	271322	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	267099	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	144242	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	406314	189.887	ug/L	0.00
7) Chloroethane-d5	1.875	69	304804	186.108	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	740388	188.573	ug/L	0.00
21) 2-Butanone-d5	4.608	46	216050	191.943	ug/L	0.00
24) Chloroform-d	5.049	84	691165	183.282	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.688	65	439159	183.824	ug/L	0.00
32) Benzene-d6	5.714	84	1372503	175.021	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	447841	180.145	ug/L	0.00
41) Toluene-d8	7.891	98	1256531	177.295	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	227666	188.177	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	381921	382.792	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	643324	197.213	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	478901	177.866	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	534144	216.618	ug/L	99
3) Chloromethane	1.515	50	532758	227.576	ug/L	99
5) Vinyl chloride	1.599	62	543561	223.161	ug/L	99
6) Bromomethane	1.820	94	181388	134.373	ug/L	99
8) Chloroethane	1.898	64	309251	215.022	ug/L	100
9) Trichlorofluoromethane	2.116	101	660878	198.522	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	384340	195.772	ug/L	99
12) 1,1-Dichloroethene	2.563	96	360364	200.961	ug/L	99
13) Acetone	2.611	43	510171	339.907	ug/L	99
14) Carbon disulfide	2.775	76	1181985	211.578	ug/L	100
15) Methyl Acetate	2.930	43	411789	206.008	ug/L	99
16) Methylene chloride	3.029	84	422036	202.638	ug/L	99
17) trans-1,2-Dichloroethene	3.335	96	372187	203.166	ug/L	100
18) Methyl tert-butyl Ether	3.348	73	1302665	203.002	ug/L	100
19) 1,1-Dichloroethane	3.853	63	768412	208.270	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	424868	201.003	ug/L	98
22) 2-Butanone	4.682	43	678457	414.769	ug/L	97
23) Bromochloromethane	4.959	128	206788	200.646	ug/L	97
25) Chloroform	5.074	83	761020	202.699	ug/L	99
27) 1,2-Dichloroethane	5.778	62	626496	201.327	ug/L	98
29) Cyclohexane	5.377	56	716929	204.298	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	652671	190.702	ug/L	100
31) Carbon tetrachloride	5.512	117	568325	190.401	ug/L	99
33) Benzene	5.762	78	1653414	195.578	ug/L	100
34) Trichloroethene	6.531	95	431022	190.496	ug/L	99
35) Methylcyclohexane	6.753	83	714616	196.405	ug/L	100
37) 1,2-Dichloropropane	6.778	63	461731	197.541	ug/L	100
38) Bromodichloromethane	7.097	83	580195	200.221	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	769539	204.764	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	1276401	439.314	ug/L	100
42) Toluene	7.962	91	1744992	197.255	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	726907	210.695	ug/L	99

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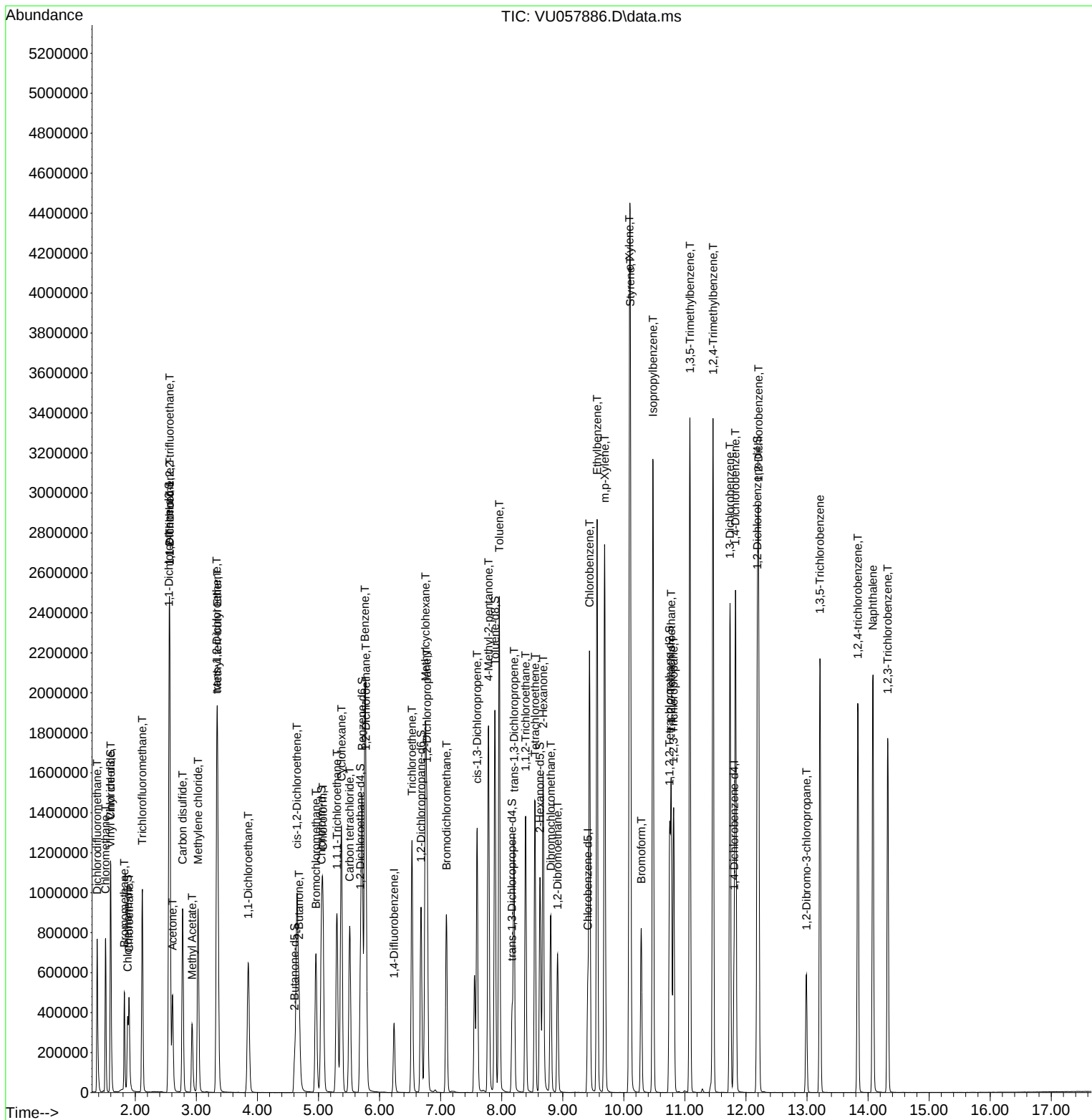
Instrument :
 MSVOA_U
 ClientSampleId :

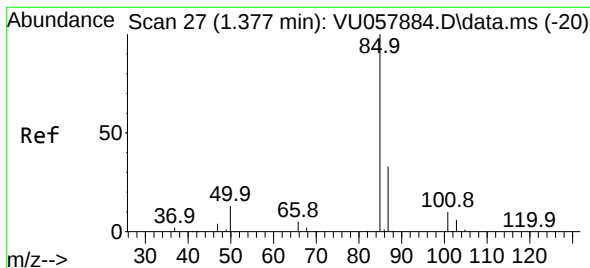
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 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:16:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	418310	196.358	ug/L	98
46) Tetrachloroethene	8.547	164	299504	191.143	ug/L	96
48) 2-Hexanone	8.679	43	1046129	417.364	ug/L	98
49) Dibromochloromethane	8.804	129	449908	209.836	ug/L	99
50) 1,2-Dibromoethane	8.917	107	450695	198.195	ug/L	100
51) Chlorobenzene	9.441	112	1114148	199.197	ug/L	99
52) Ethylbenzene	9.563	91	2018278	201.169	ug/L	99
53) m,p-Xylene	9.688	106	746174	203.297	ug/L	99
54) o-Xylene	10.093	106	739307	205.775	ug/L	99
55) Styrene	10.109	104	1314248	217.837	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	756794	216.999	ug/L	99
59) Bromoform	10.286	173	352731	211.979	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	592551	195.782	ug/L	99
61) Isopropylbenzene	10.479	105	2037316	194.442	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	1815475	204.872	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	1838903	206.855	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	910353	199.556	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	917312	195.718	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	885615	193.058	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	157950	208.602	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	627621	197.914	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	542977	201.508	ug/L	99
71) Naphthalene	14.080	128	1561125	216.753	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	495898	196.547	ug/L	98

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

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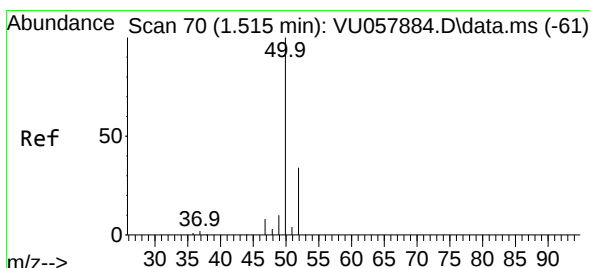
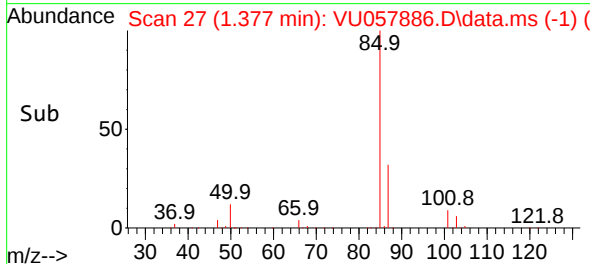
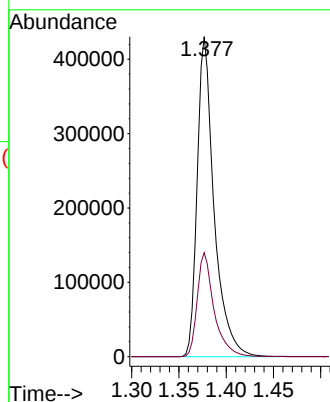
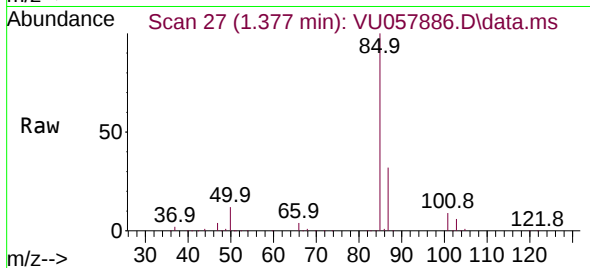




#2
 Dichlorodifluoromethane
 Concen: 216.618 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU057886.D
 Acq: 19 Feb 2024 17:21

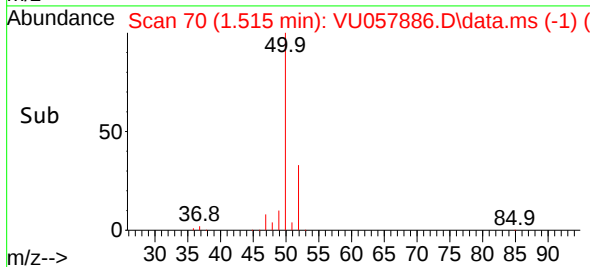
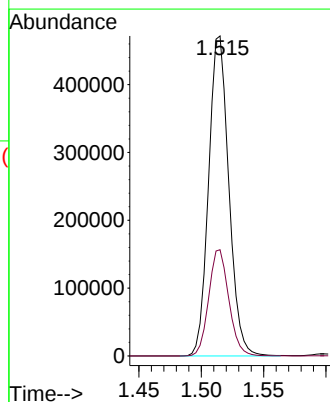
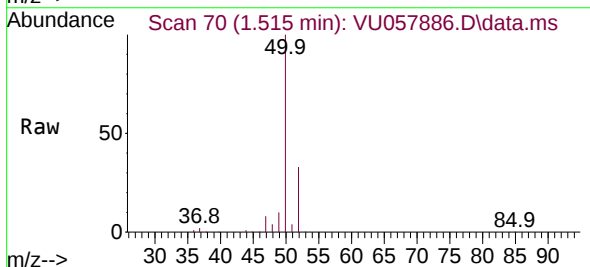
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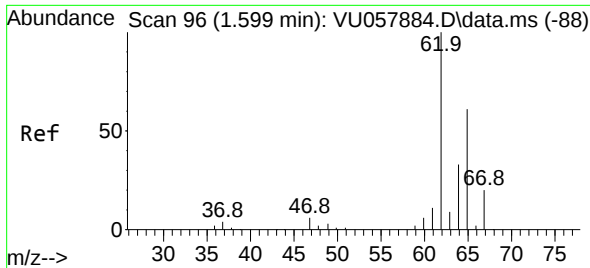
Tgt Ion: 85 Resp: 534144
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.2 39.2



#3
 Chloromethane
 Concen: 227.576 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057886.D
 Acq: 19 Feb 2024 17:21

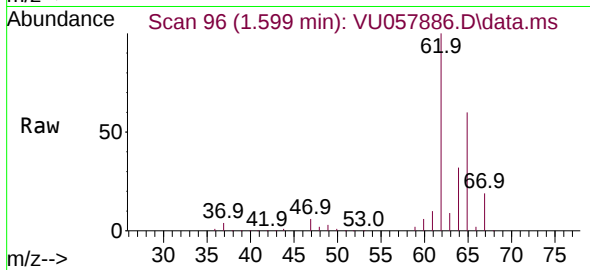
Tgt Ion: 50 Resp: 532758
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.8 44.2



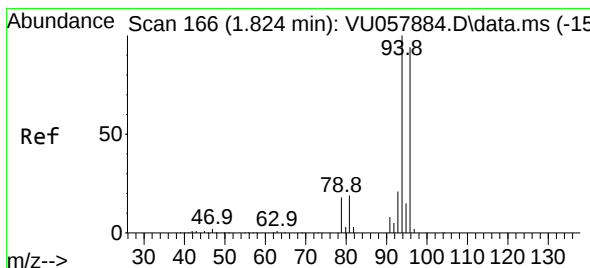
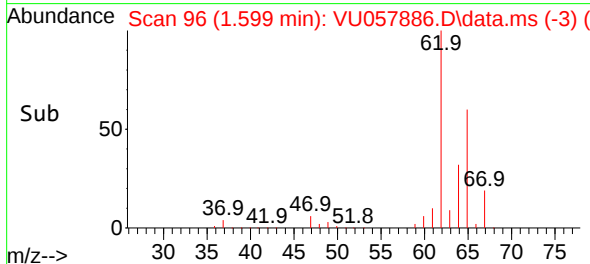
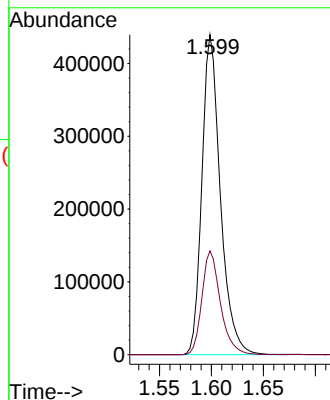


#5
 Vinyl chloride
 Concen: 223.161 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU057886.D
 Acq: 19 Feb 2024 17:21

Instrument :
 MSVOA_U
 ClientSampleId :

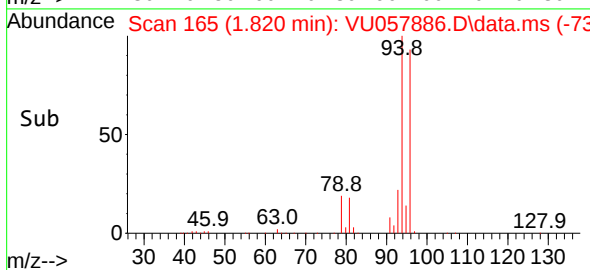
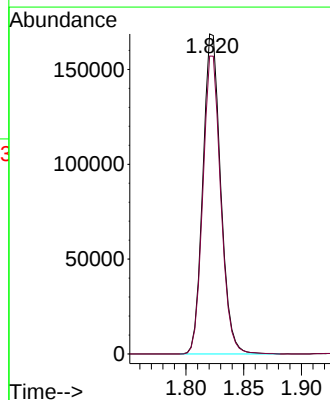
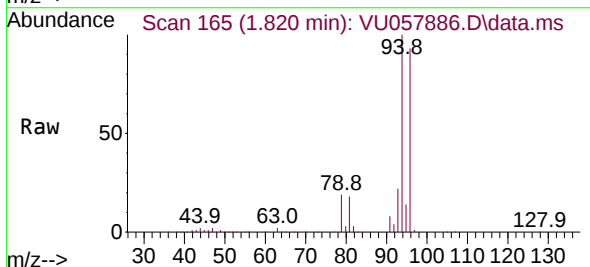


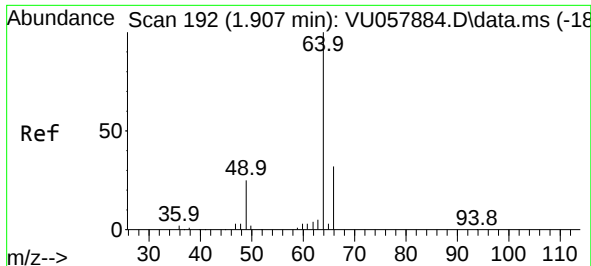
Tgt Ion: 62 Resp: 543561
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.1 42.9



#6
 Bromomethane
 Concen: 134.373 ug/L
 RT: 1.820 min Scan# 165
 Delta R.T. -0.003 min
 Lab File: VU057886.D
 Acq: 19 Feb 2024 17:21

Tgt Ion: 94 Resp: 181388
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.5 121.7





#8

Chloroethane

Concen: 215.022 ug/L

RT: 1.898 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

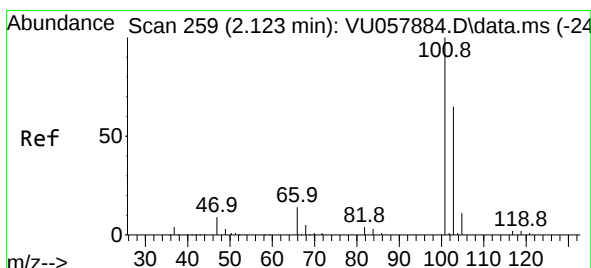
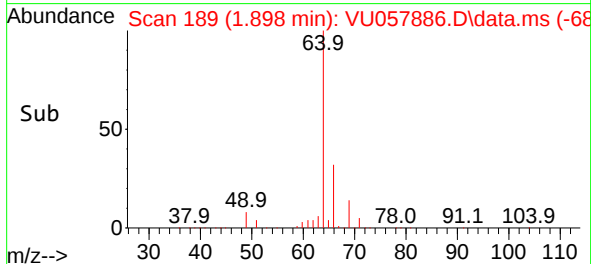
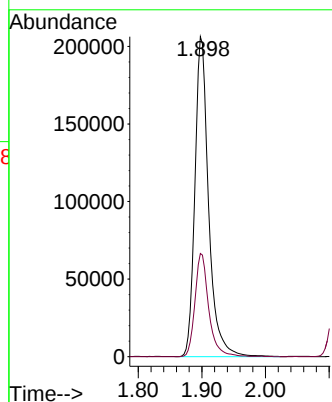
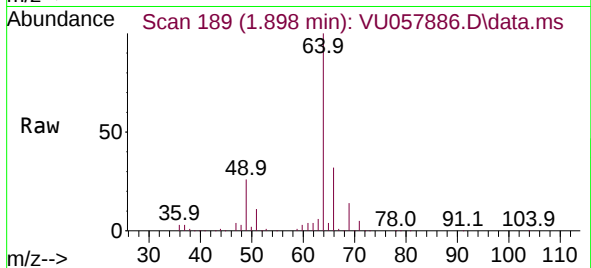
ClientSampleId :

Tgt Ion: 64 Resp: 309251

Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.9



#9

Trichlorofluoromethane

Concen: 198.522 ug/L

RT: 2.116 min Scan# 257

Delta R.T. -0.006 min

Lab File: VU057886.D

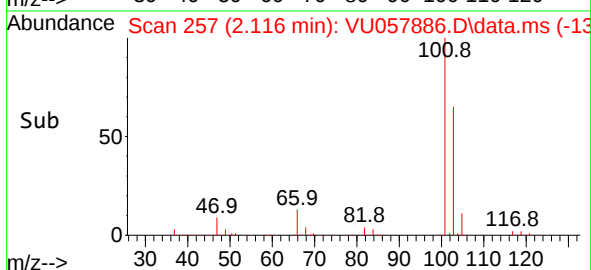
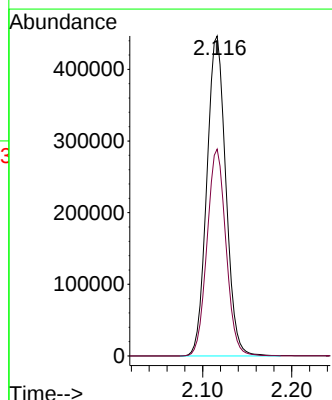
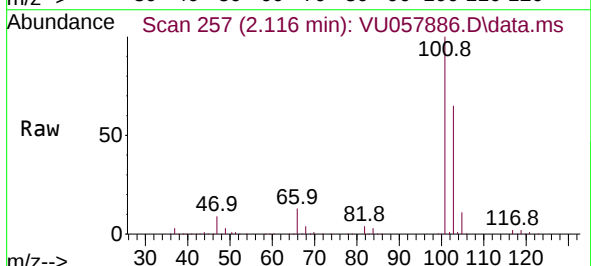
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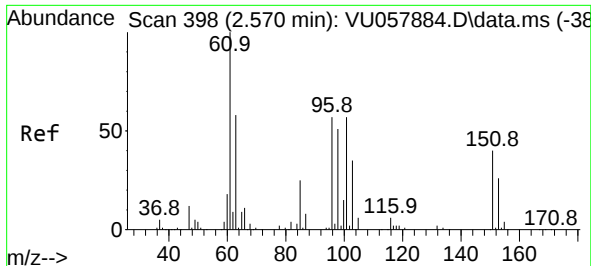
Tgt Ion:101 Resp: 660878

Ion Ratio Lower Upper

101 100

103 64.4 51.7 77.5

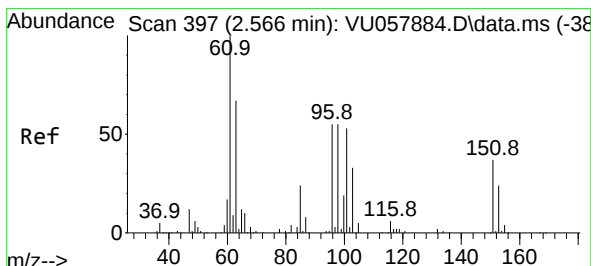
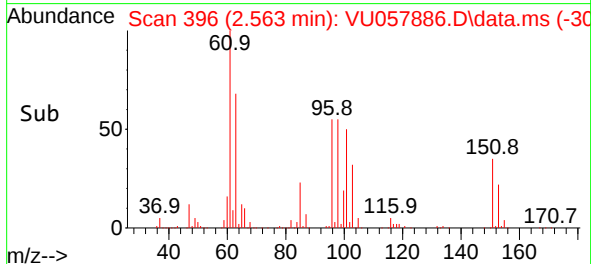
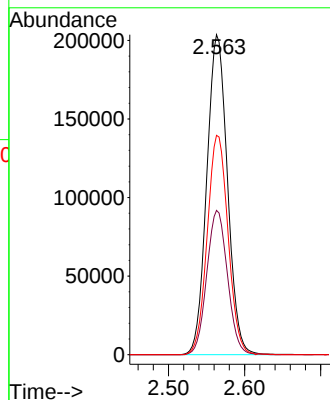
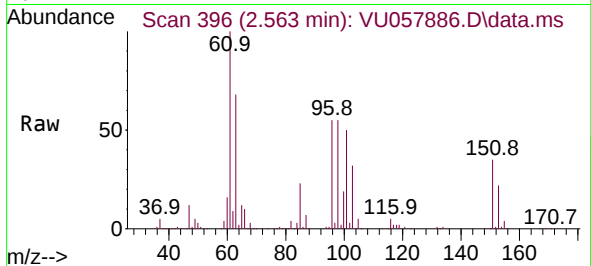




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 195.772 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.006 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

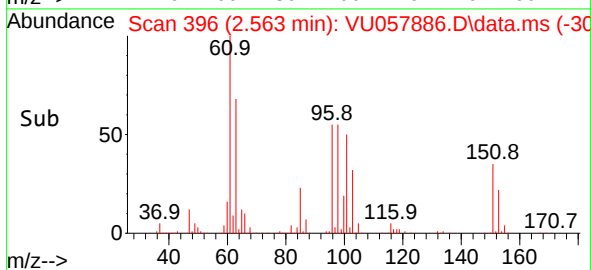
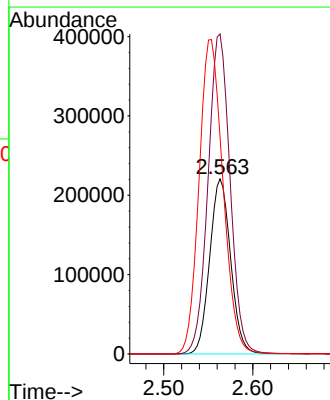
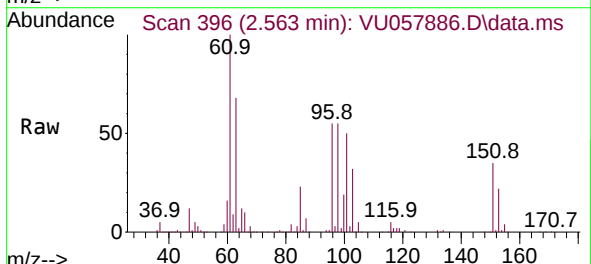
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MSVOA_U
ClientSampleId :

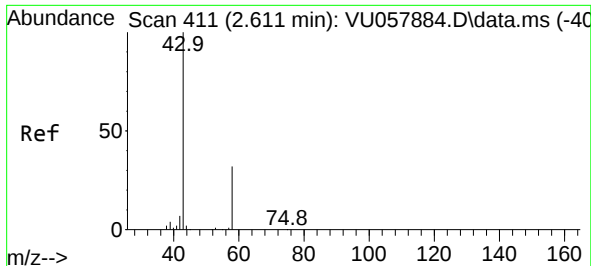
Tgt Ion:101 Resp: 384340
Ion Ratio Lower Upper
101 100
85 45.3 35.7 53.5
151 69.0 55.8 83.6



#12
1,1-Dichloroethene
Concen: 200.961 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.003 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion: 96 Resp: 360364
Ion Ratio Lower Upper
96 100
61 182.9 126.8 235.6
63 124.1 86.5 160.7





#13

Acetone

Concen: 339.907 ug/L

RT: 2.611 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

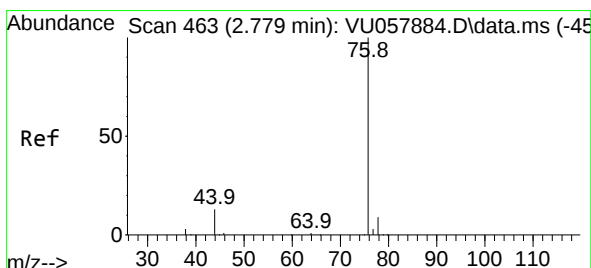
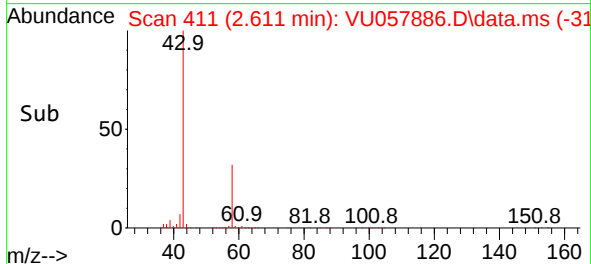
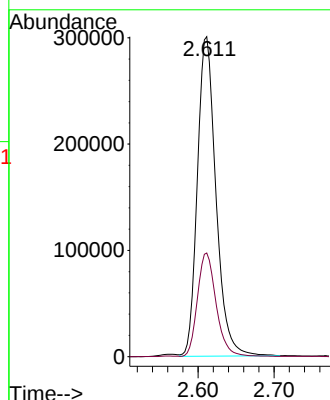
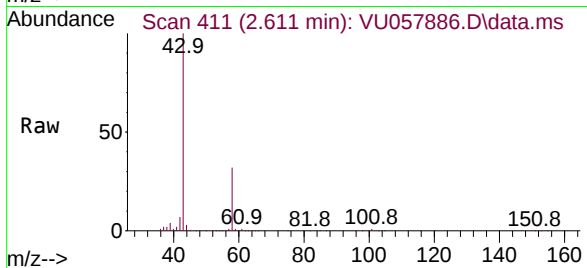
ClientSampleId :

Tgt Ion: 43 Resp: 510171

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.2



#14

Carbon disulfide

Concen: 211.578 ug/L

RT: 2.775 min Scan# 462

Delta R.T. -0.003 min

Lab File: VU057886.D

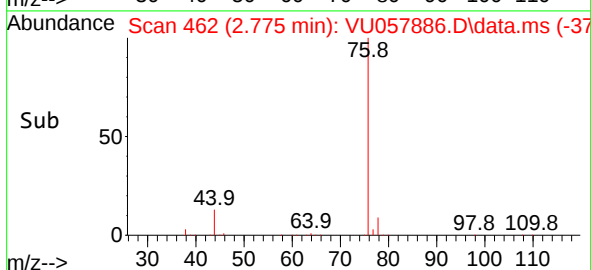
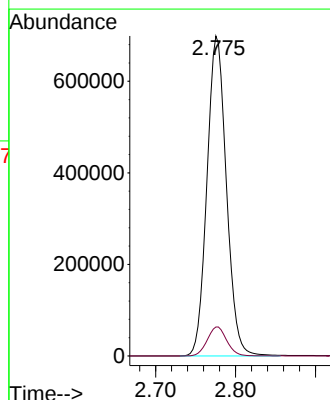
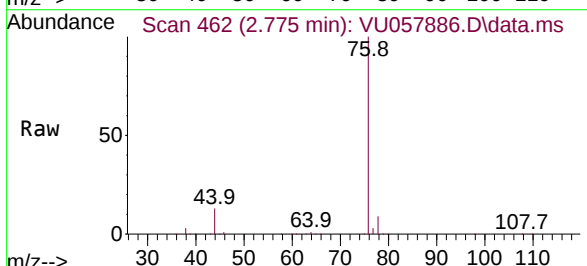
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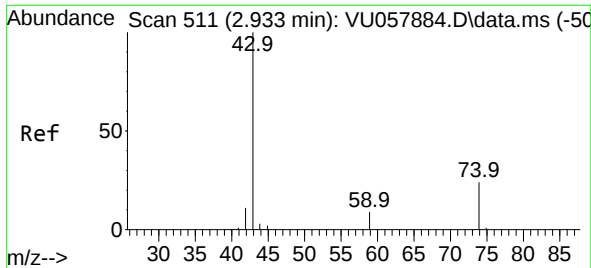
Tgt Ion: 76 Resp: 1181985

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

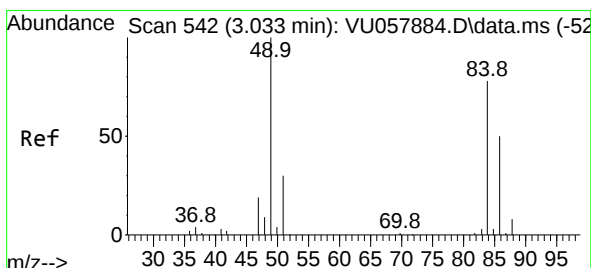
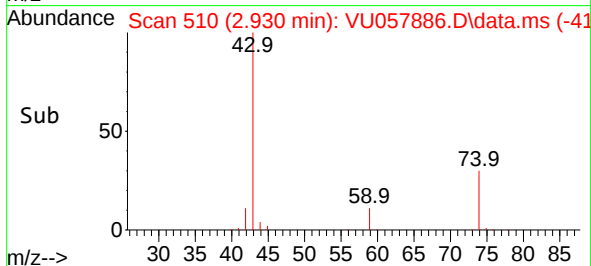
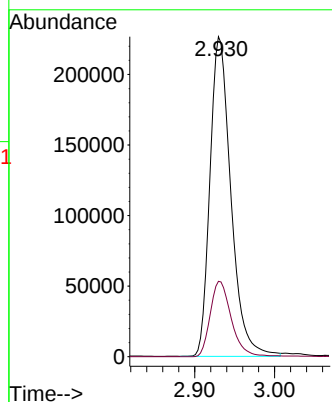
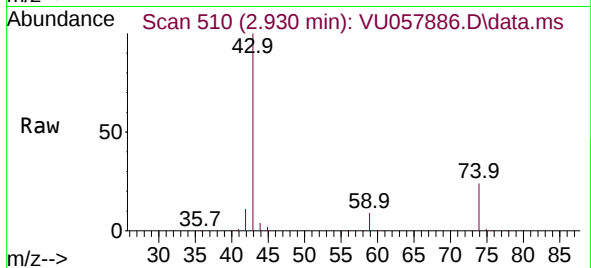




#15
Methyl Acetate
Concen: 206.008 ug/L
RT: 2.930 min Scan# 511
Delta R.T. -0.003 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

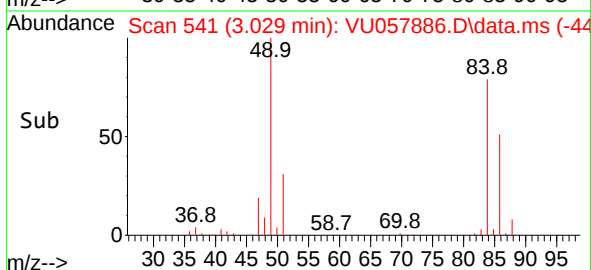
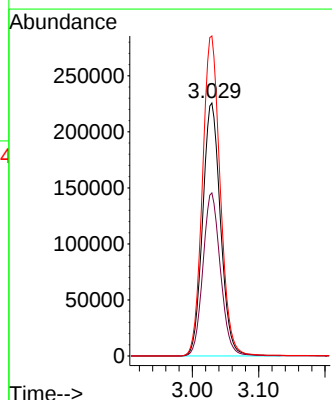
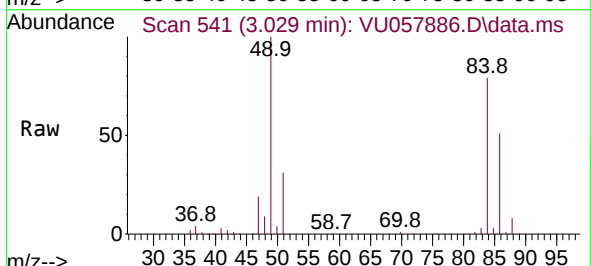
Instrument :
MSVOA_U
ClientSampleId :

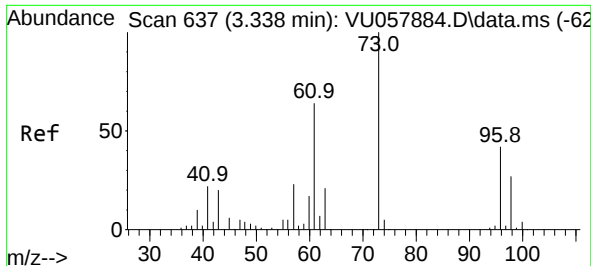
Tgt Ion: 43 Resp: 411789
Ion Ratio Lower Upper
43 100
74 23.8 18.6 27.8



#16
Methylene chloride
Concen: 202.638 ug/L
RT: 3.029 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion: 84 Resp: 422036
Ion Ratio Lower Upper
84 100
86 64.5 45.1 83.7
49 126.5 89.7 166.5

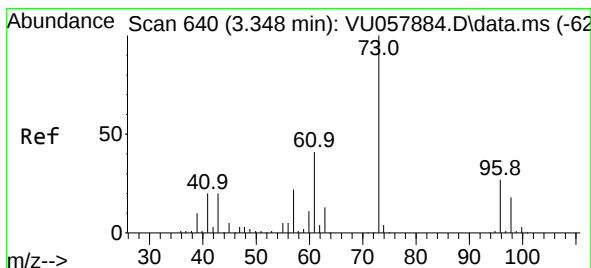
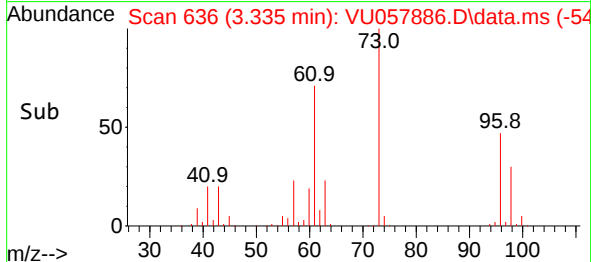
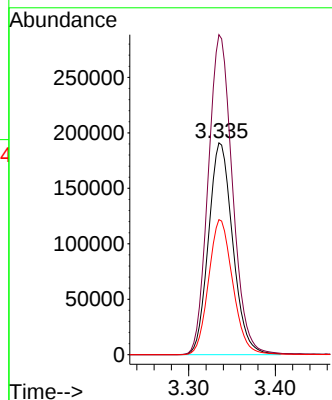
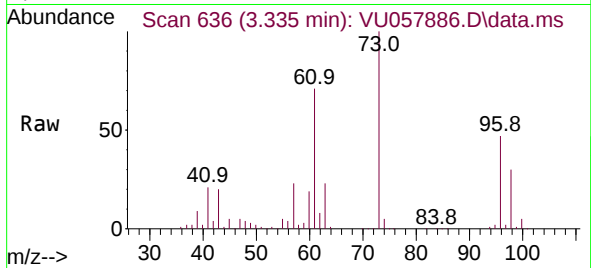




#17
trans-1,2-Dichloroethene
Concen: 203.166 ug/L
RT: 3.335 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

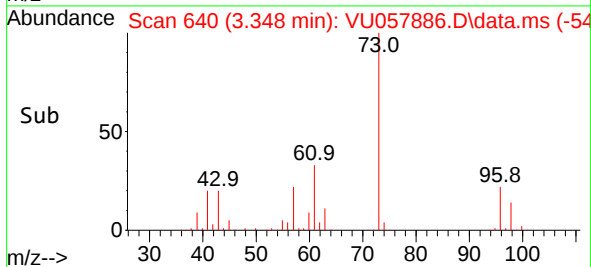
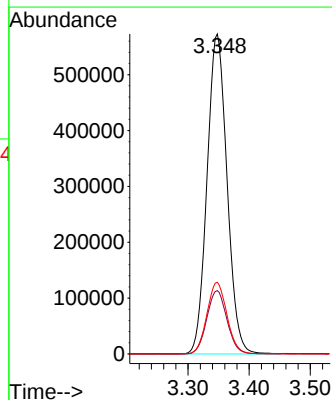
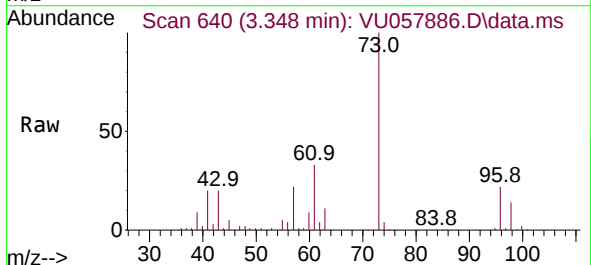
Instrument :
MSVOA_U
ClientSampleId :

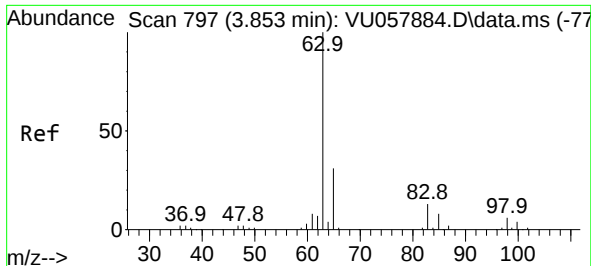
Tgt Ion: 96 Resp: 372187
Ion Ratio Lower Upper
96 100
61 151.1 106.3 197.3
98 63.7 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 203.002 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion: 73 Resp: 1302665
Ion Ratio Lower Upper
73 100
43 19.9 16.0 24.0
57 22.5 17.8 26.6





#19

1,1-Dichloroethane

Concen: 208.270 ug/L

RT: 3.853 min Scan# 797

Delta R.T. -0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

ClientSampleId :

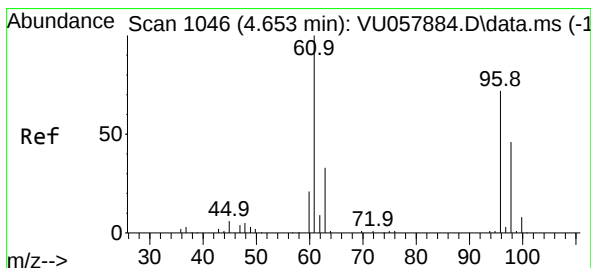
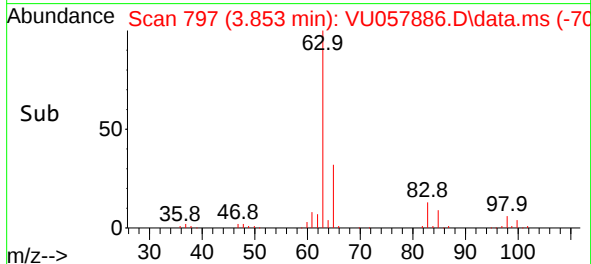
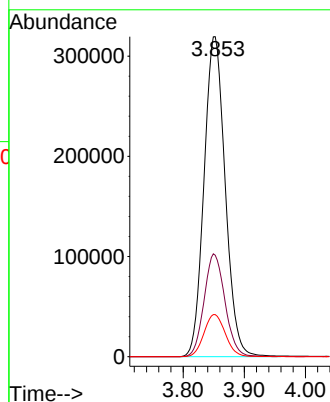
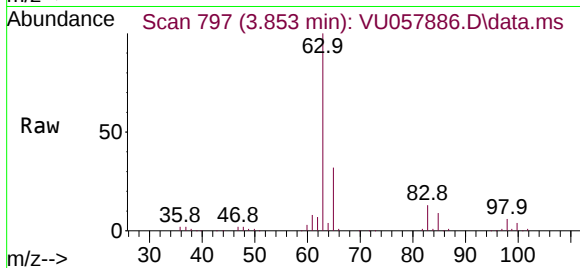
Tgt Ion: 63 Resp: 768412

Ion Ratio Lower Upper

63 100

65 31.7 21.7 40.3

83 13.2 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 201.003 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.003 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

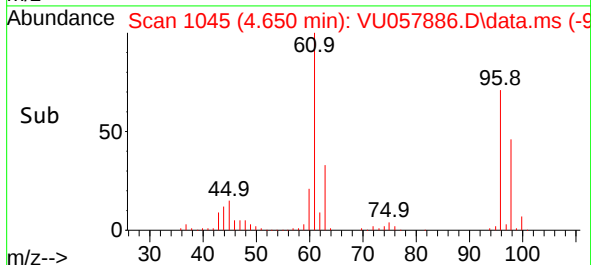
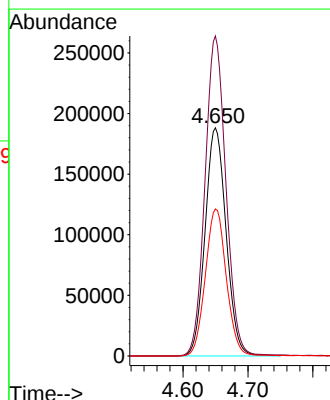
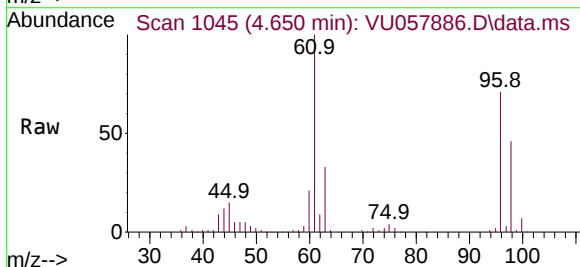
Tgt Ion: 96 Resp: 424868

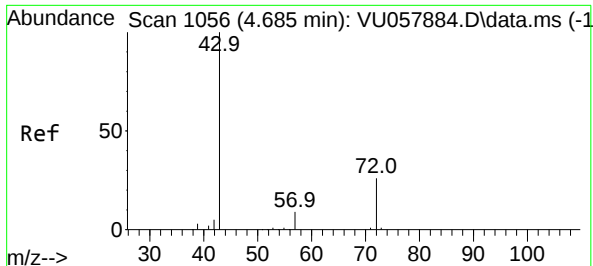
Ion Ratio Lower Upper

96 100

61 140.2 96.7 179.7

98 64.4 44.3 82.3





#22

2-Butanone

Concen: 414.769 ug/L

RT: 4.682 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

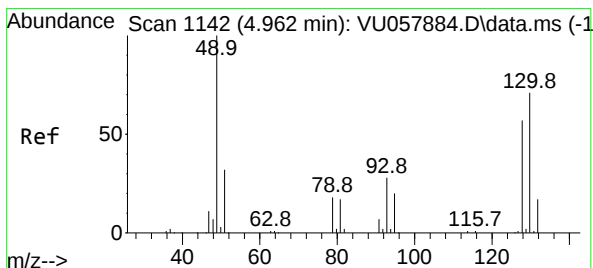
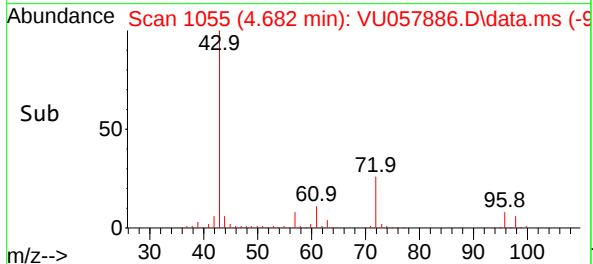
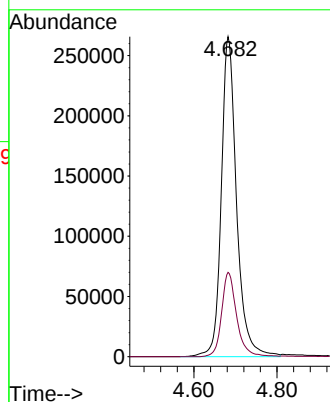
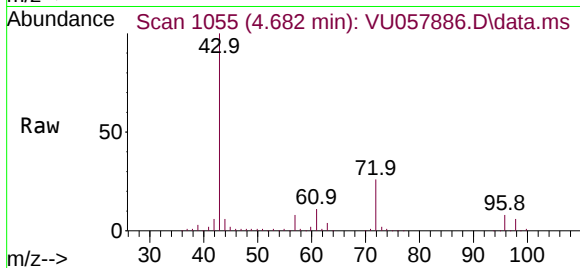
ClientSampleId :

Tgt Ion: 43 Resp: 678457

Ion Ratio Lower Upper

43 100

72 25.8 13.8 41.3



#23

Bromochloromethane

Concen: 200.646 ug/L

RT: 4.959 min Scan# 1141

Delta R.T. -0.003 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Tgt Ion:128 Resp: 206788

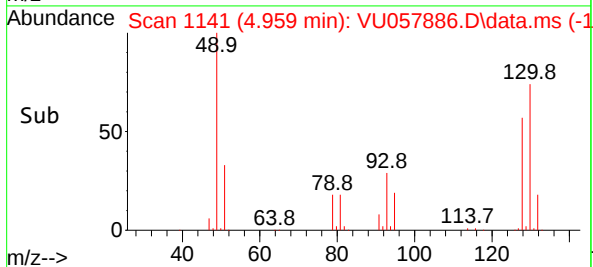
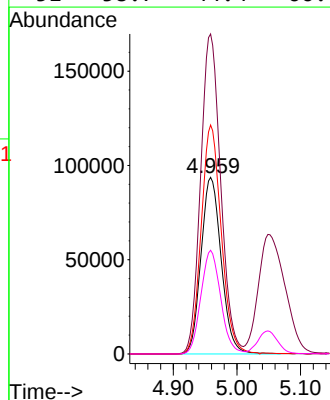
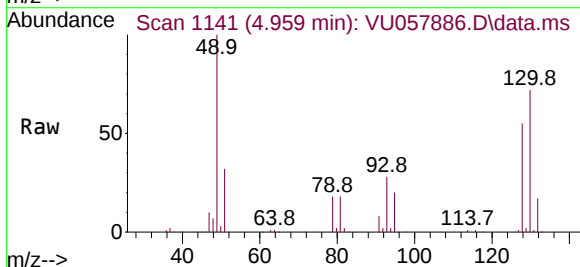
Ion Ratio Lower Upper

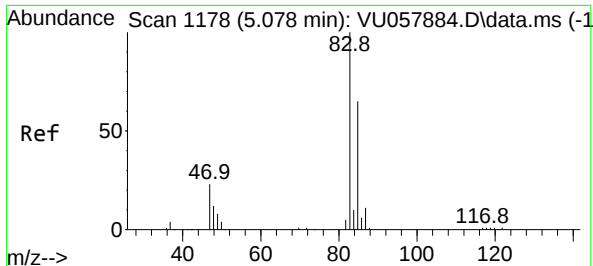
128 100

49 181.2 124.0 230.4

130 129.7 87.8 163.0

51 58.7 44.4 66.6





#25

Chloroform

Concen: 202.699 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

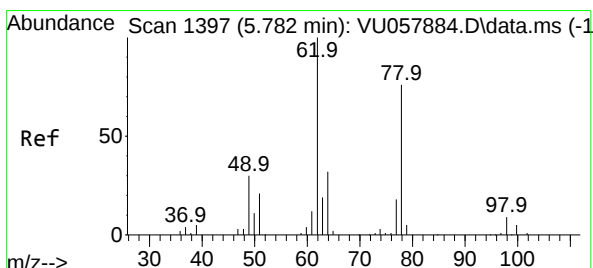
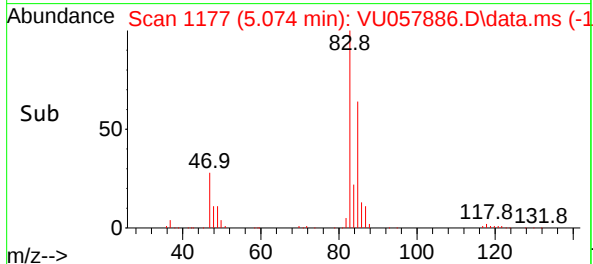
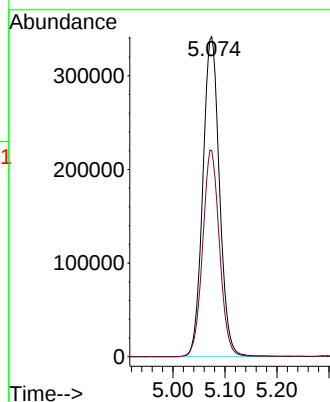
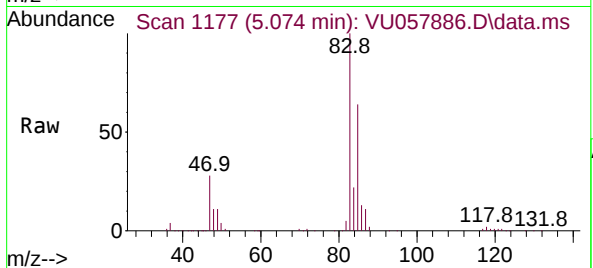
ClientSampleId :

Tgt Ion: 83 Resp: 761020

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6



#27

1,2-Dichloroethane

Concen: 201.327 ug/L

RT: 5.778 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU057886.D

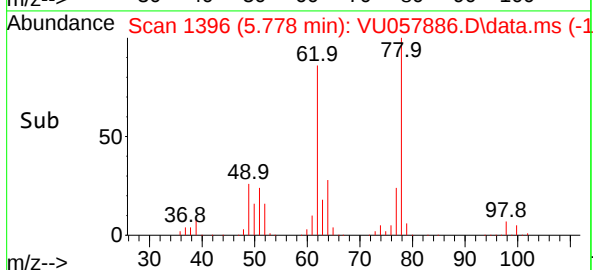
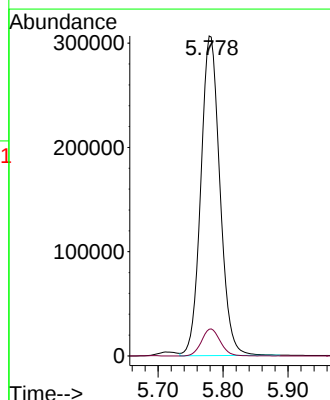
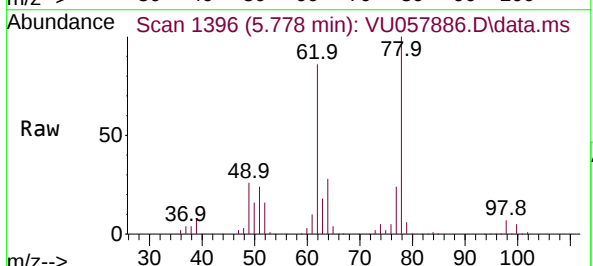
Acq: 19 Feb 2024 17:21

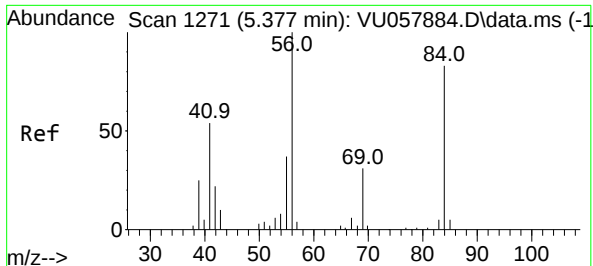
Tgt Ion: 62 Resp: 626496

Ion Ratio Lower Upper

62 100

98 8.3 7.1 10.7





#29

Cyclohexane

Concen: 204.298 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

ClientSampleId :

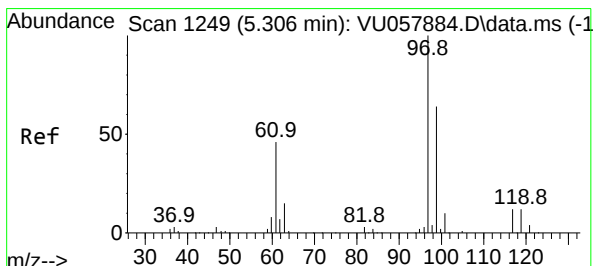
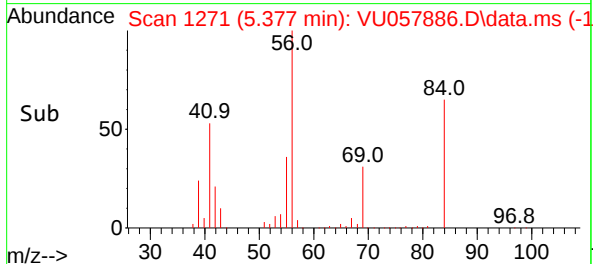
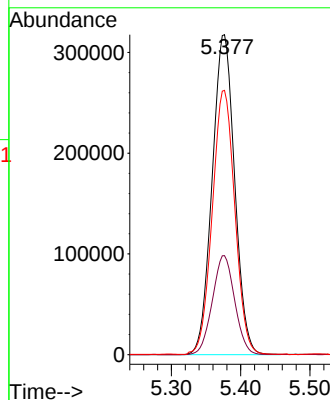
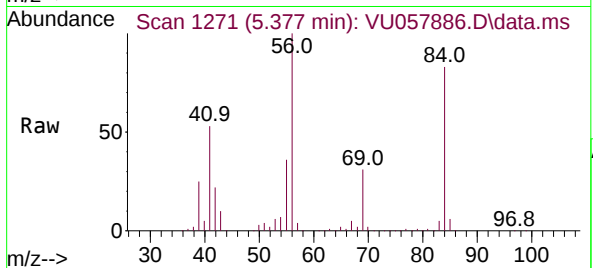
Tgt Ion: 56 Resp: 716929

Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 82.9 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 190.702 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.003 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

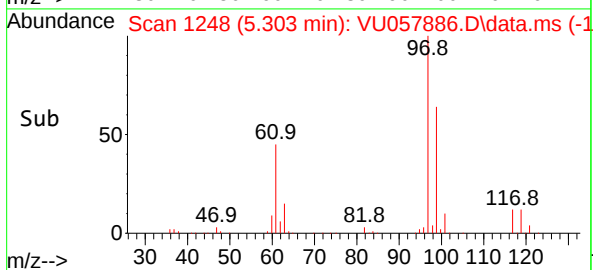
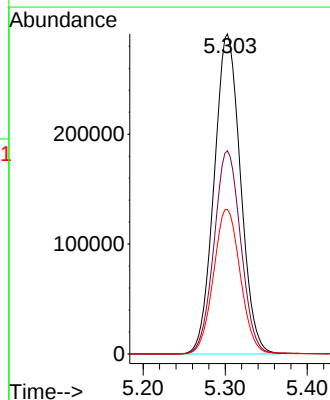
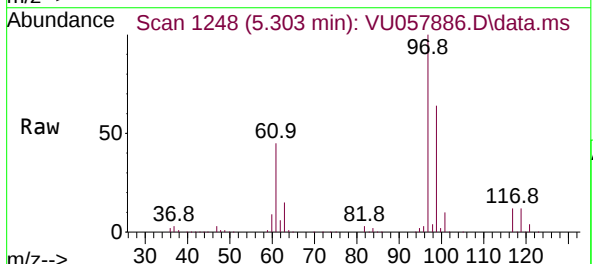
Tgt Ion: 97 Resp: 652671

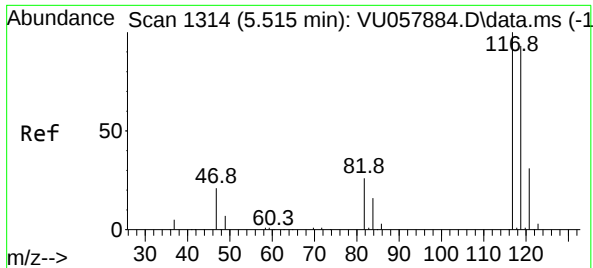
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 46.2 36.8 55.2

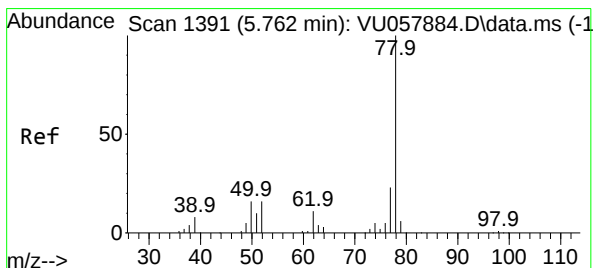
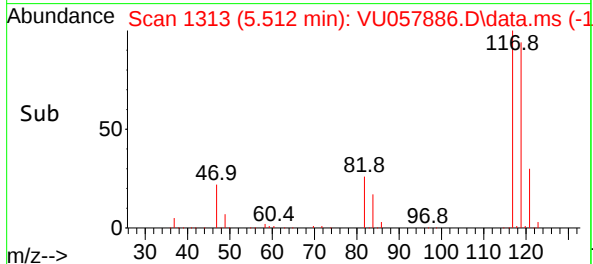
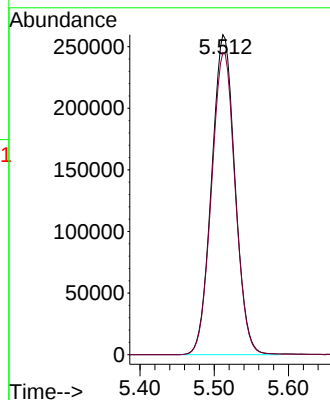
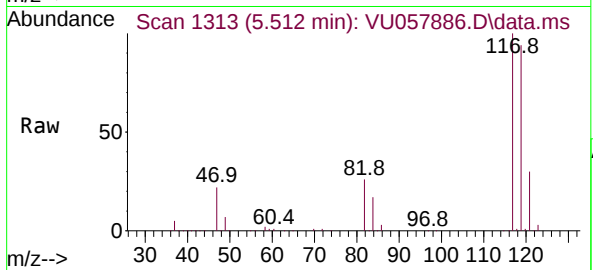




#31
Carbon tetrachloride
Concen: 190.401 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

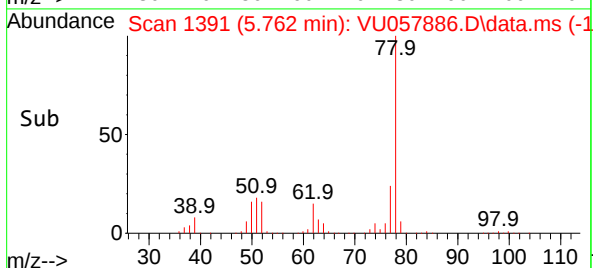
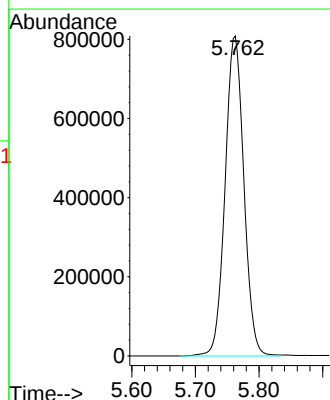
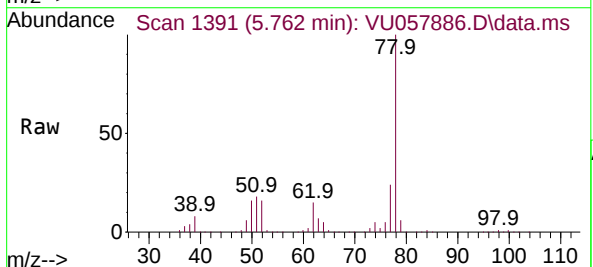
Instrument :
MSVOA_U
ClientSampleId :

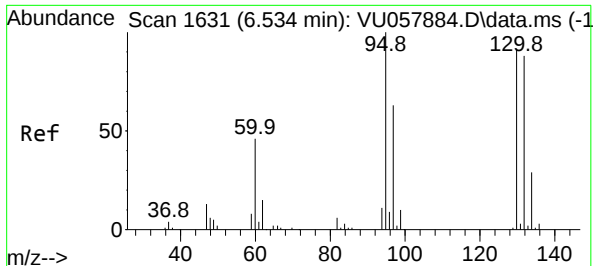
Tgt Ion:117 Resp: 568325
Ion Ratio Lower Upper
117 100
119 95.6 75.9 113.9



#33
Benzene
Concen: 195.578 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion: 78 Resp: 1653414

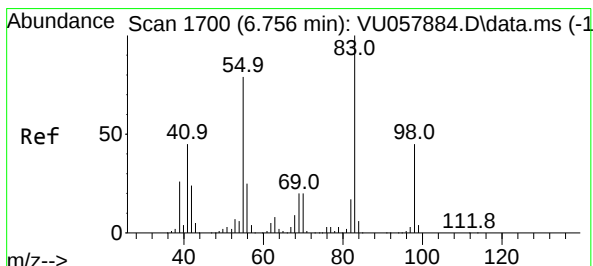
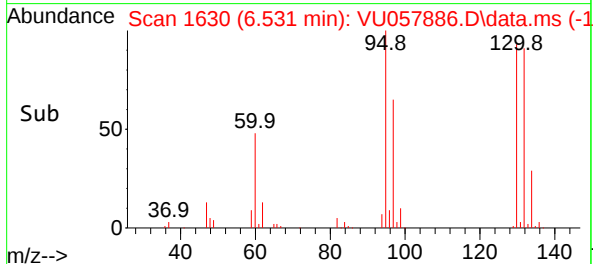
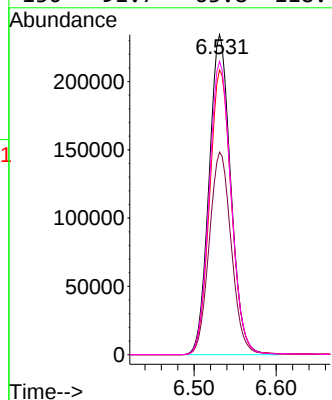
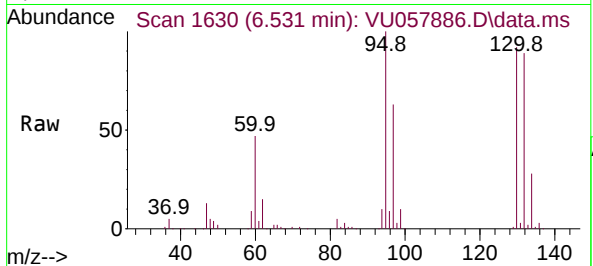




#34
Trichloroethene
Concen: 190.496 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

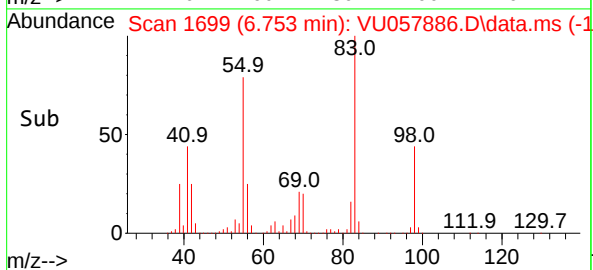
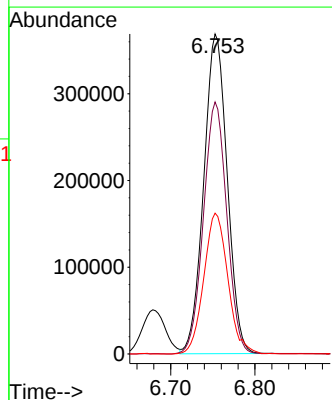
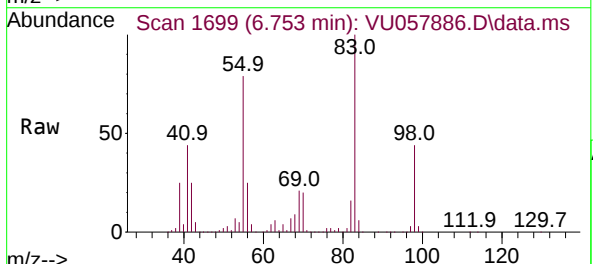
Instrument :
MSVOA_U
ClientSampleId :

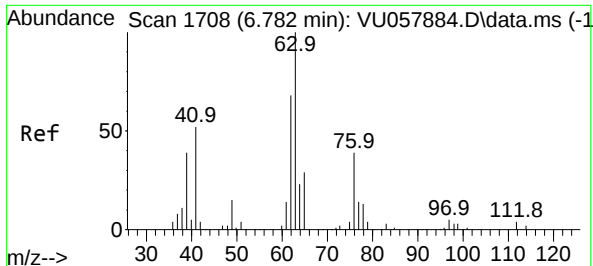
Tgt Ion: 95 Resp: 431022
Ion Ratio Lower Upper
95 100
97 63.3 44.2 82.2
132 89.0 61.4 114.0
130 91.7 63.8 118.4



#35
Methylcyclohexane
Concen: 196.405 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion: 83 Resp: 714616
Ion Ratio Lower Upper
83 100
55 78.5 62.7 94.1
98 45.2 36.3 54.5

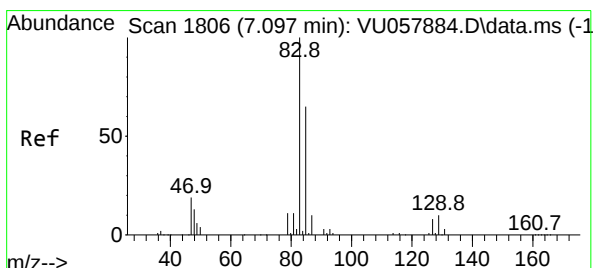
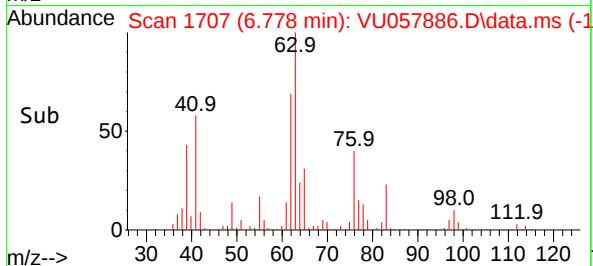
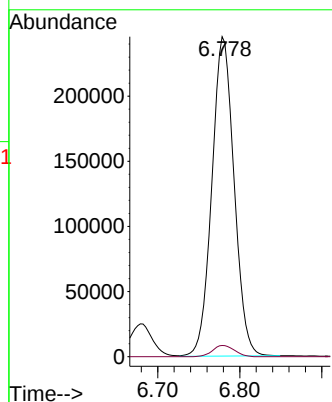
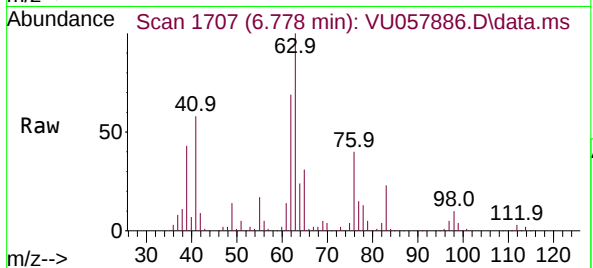




#37
1,2-Dichloropropane
Concen: 197.541 ug/L
RT: 6.778 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

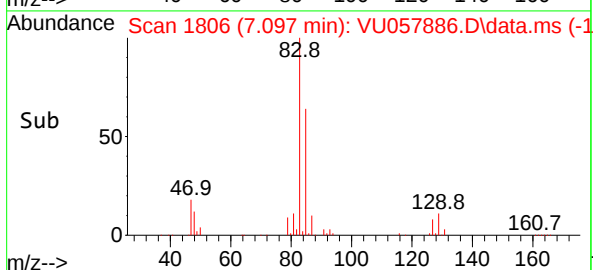
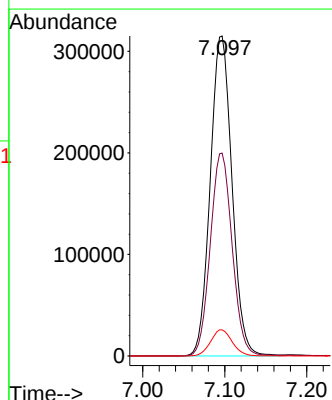
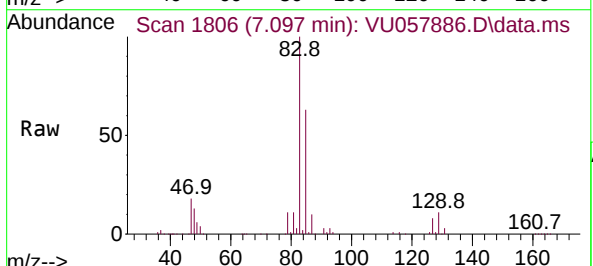
Instrument :
MSVOA_U
ClientSampleId :

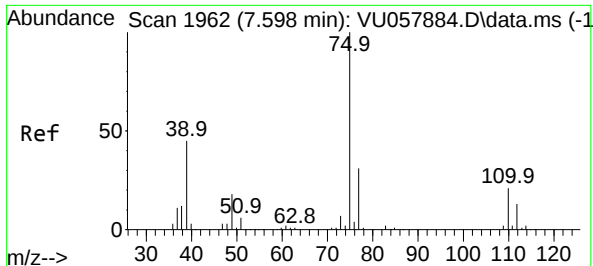
Tgt Ion: 63 Resp: 461731
Ion Ratio Lower Upper
63 100
112 3.5 2.9 4.3



#38
Bromodichloromethane
Concen: 200.221 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion: 83 Resp: 580195
Ion Ratio Lower Upper
83 100
85 63.4 45.4 84.4
127 8.2 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 204.764 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

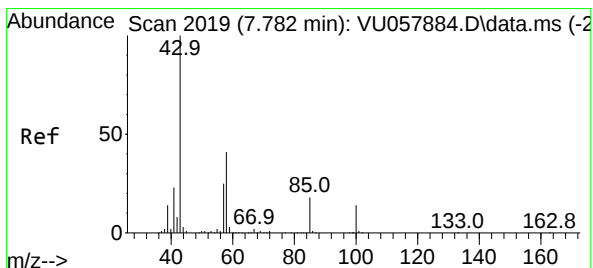
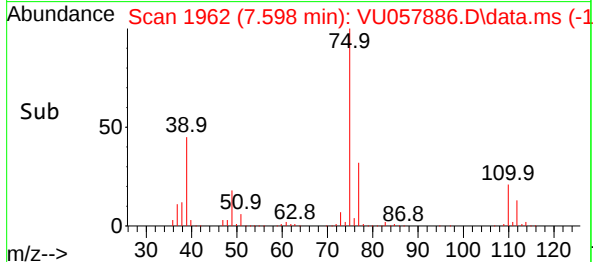
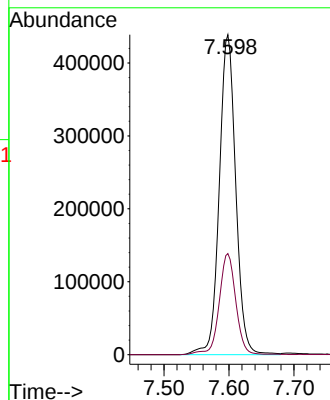
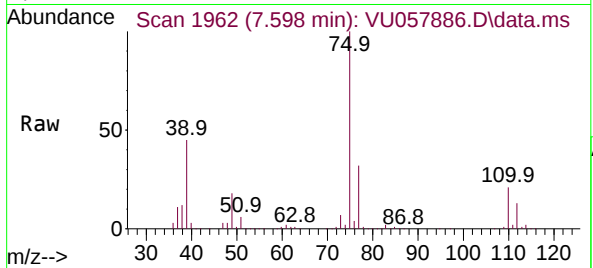
ClientSampleId :

Tgt Ion: 75 Resp: 769539

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 439.314 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.003 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

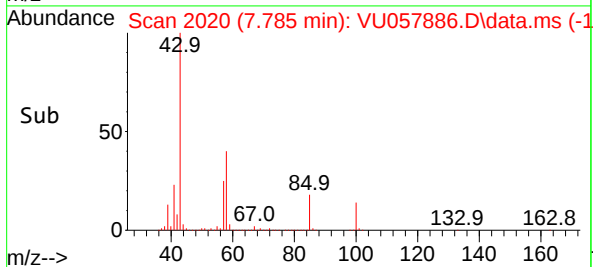
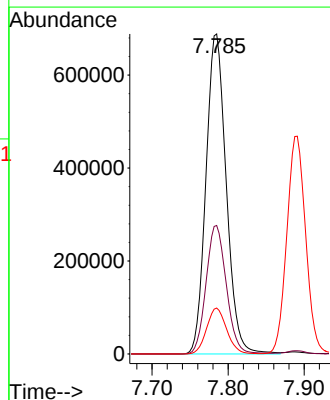
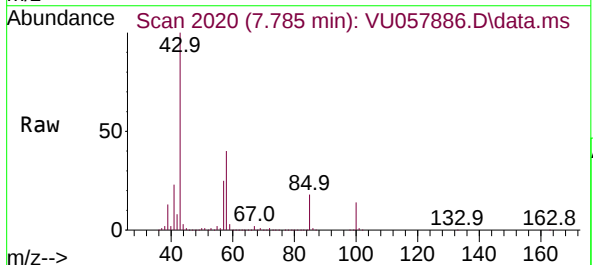
Tgt Ion: 43 Resp: 1276401

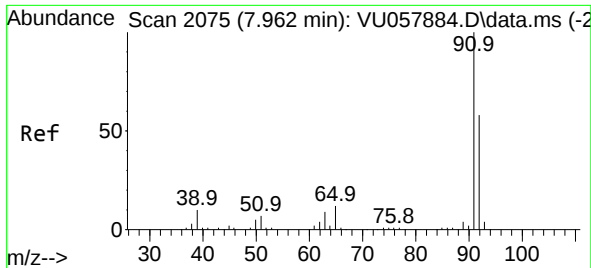
Ion Ratio Lower Upper

43 100

58 40.2 32.3 48.5

100 14.2 11.4 17.0





#42

Toluene

Concen: 197.255 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

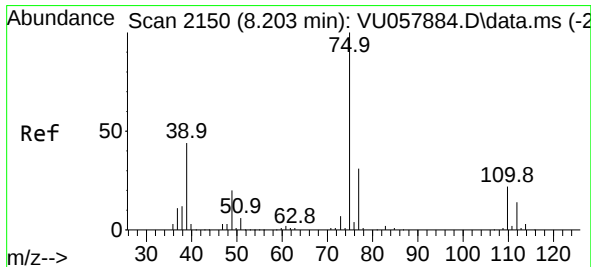
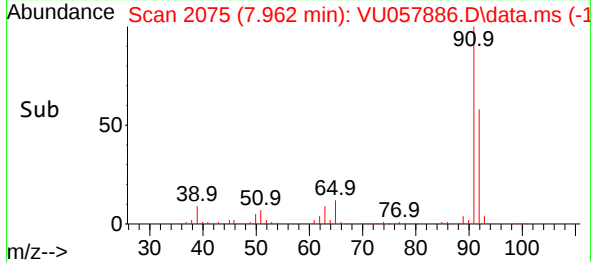
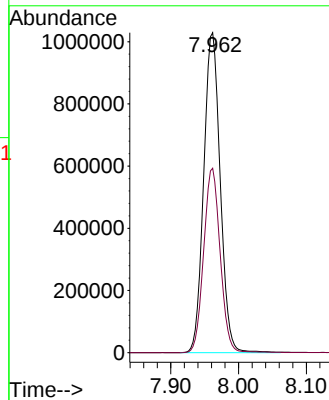
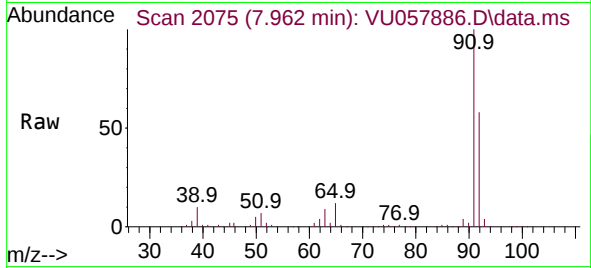
ClientSampleId :

Tgt Ion: 91 Resp: 1744992

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 210.695 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057886.D

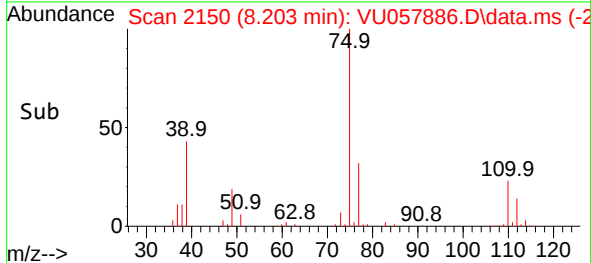
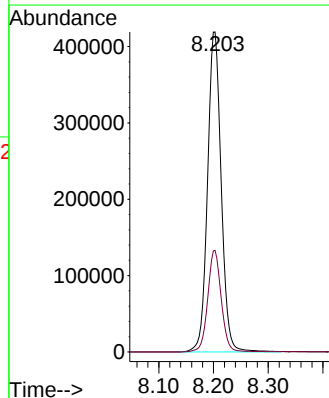
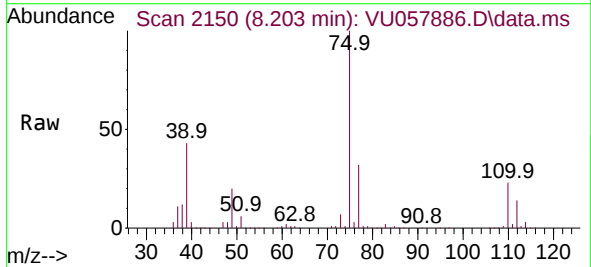
Acq: 19 Feb 2024 17:21

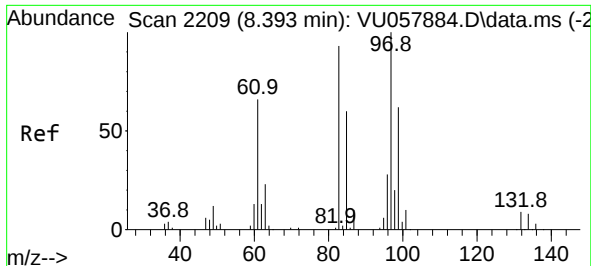
Tgt Ion: 75 Resp: 726907

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4

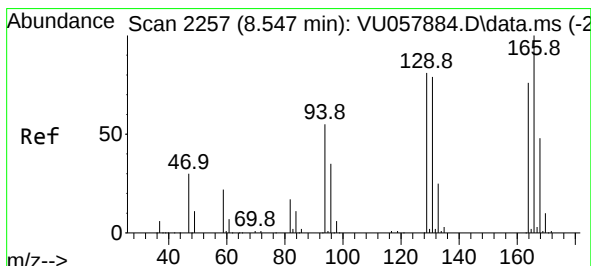
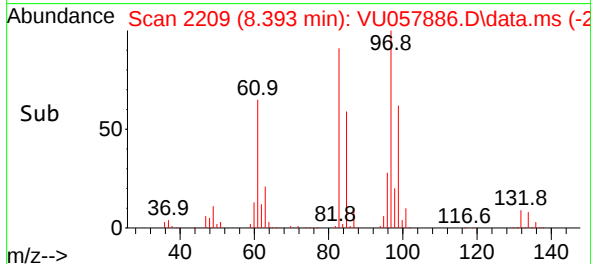
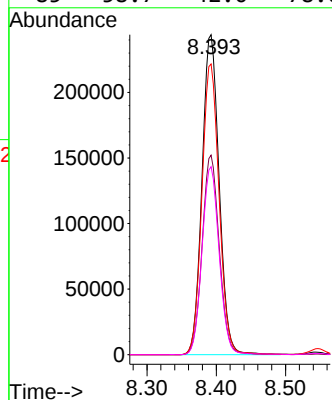
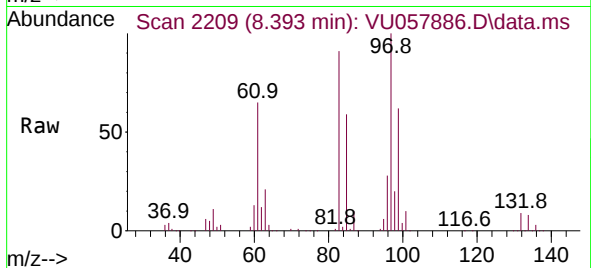




#45
1,1,2-Trichloroethane
Concen: 196.358 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

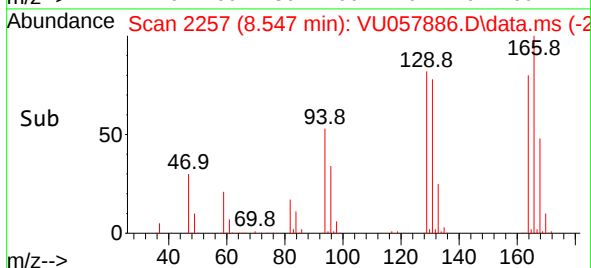
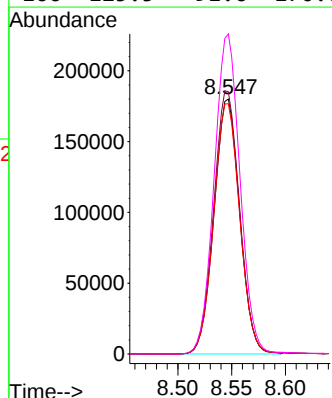
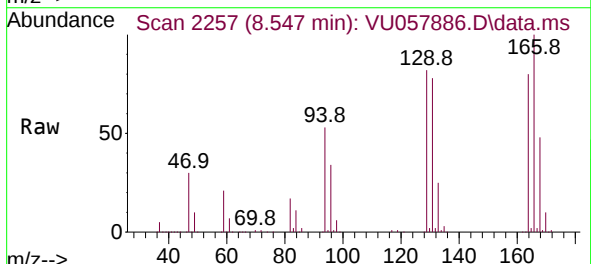
Instrument :
MSVOA_U
ClientSampleId :

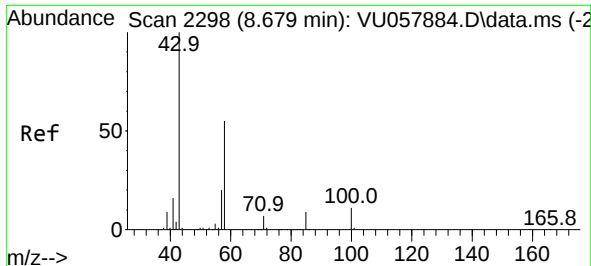
Tgt Ion:	97	Resp:	418310
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.0	80.0
83	90.9	65.0	120.6
85	58.7	42.0	78.0



#46
Tetrachloroethene
Concen: 191.143 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

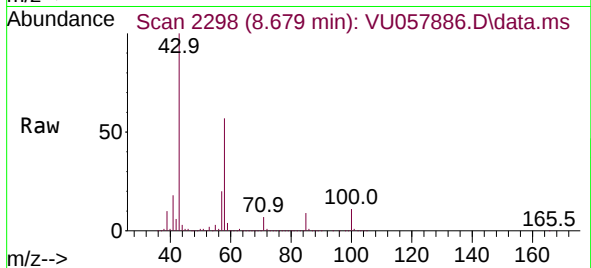
Tgt Ion:	164	Resp:	299504
Ion	Ratio	Lower	Upper
164	100		
129	102.8	74.1	137.7
131	98.2	72.0	133.6
166	125.5	91.6	170.0





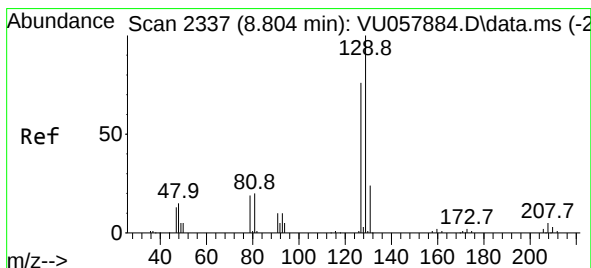
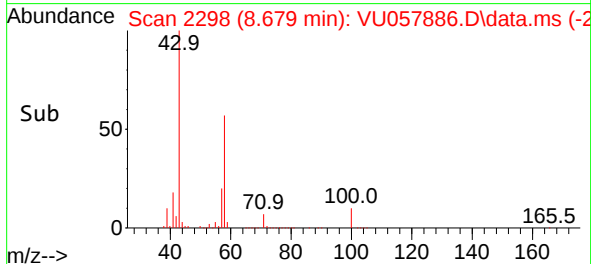
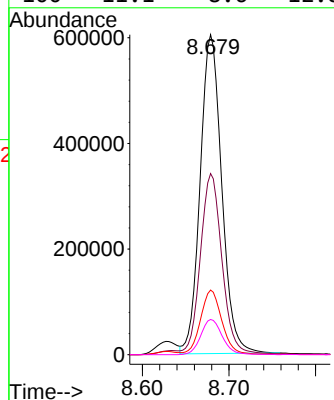
#48
2-Hexanone
Concen: 417.364 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 1046129

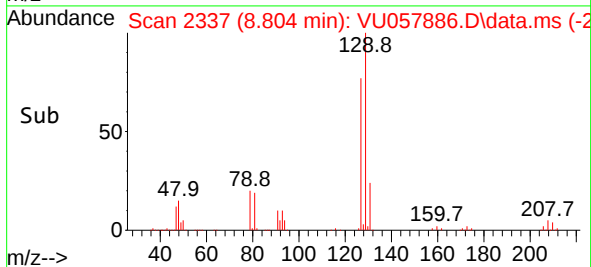
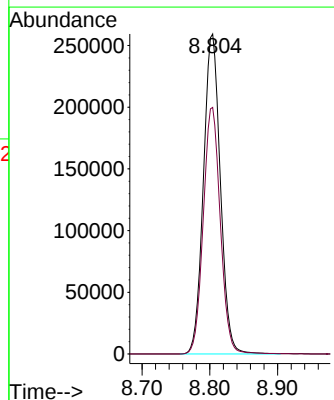
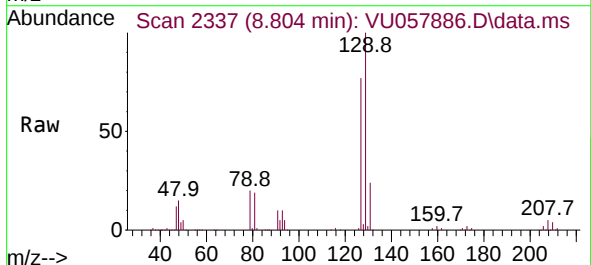
Ion	Ratio	Lower	Upper
43	100		
58	56.3	43.8	65.8
57	19.9	15.5	23.3
100	11.1	8.6	12.8

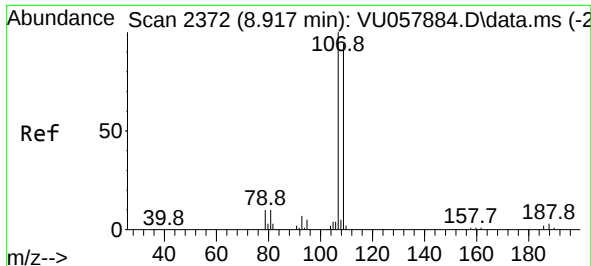


#49
Dibromochloromethane
Concen: 209.836 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion: 129 Resp: 449908

Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.3	99.1





#50

1,2-Dibromoethane

Concen: 198.195 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

ClientSampleId :

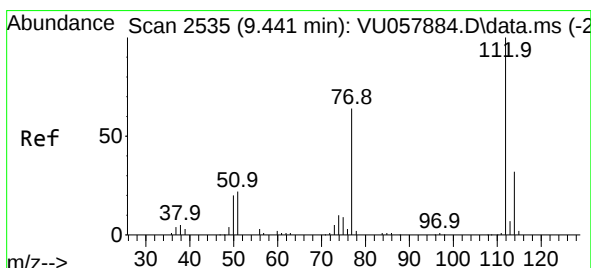
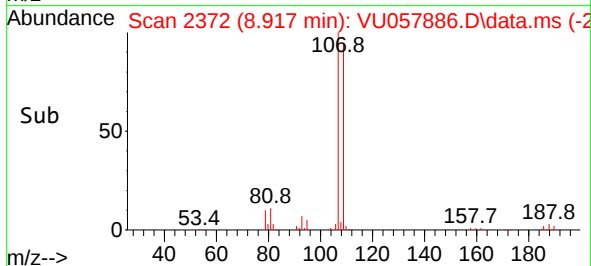
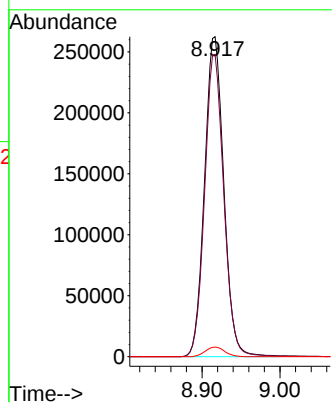
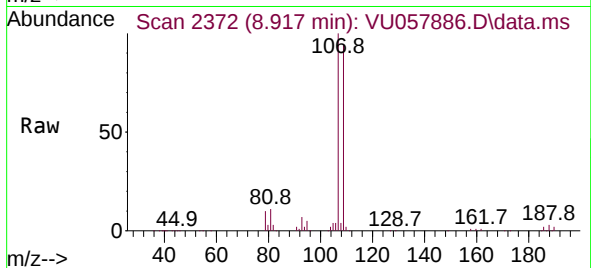
Tgt Ion:107 Resp: 450695

Ion Ratio Lower Upper

107 100

109 94.4 66.1 122.8

188 3.0 2.6 3.8



#51

Chlorobenzene

Concen: 199.197 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

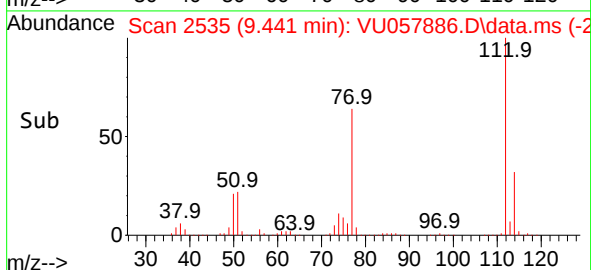
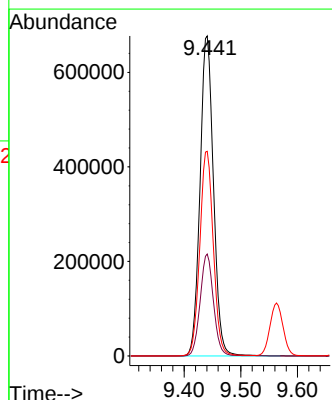
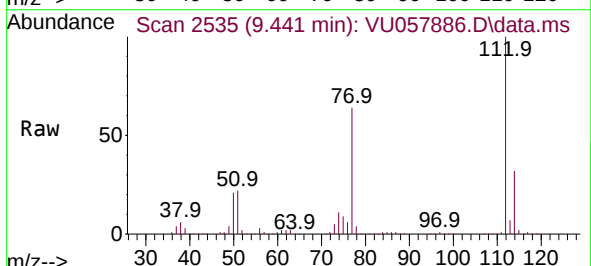
Tgt Ion:112 Resp: 1114148

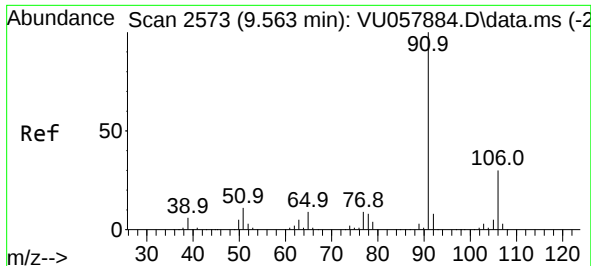
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.1

77 64.0 51.8 77.8

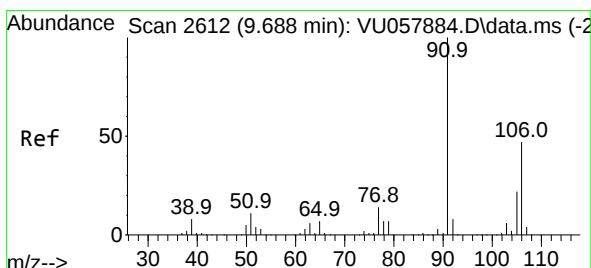
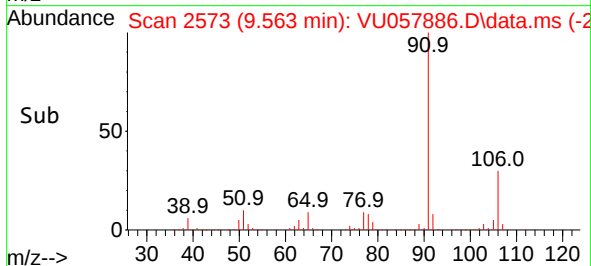
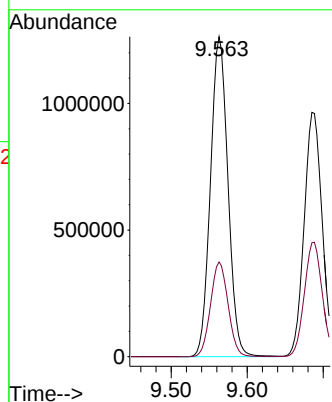
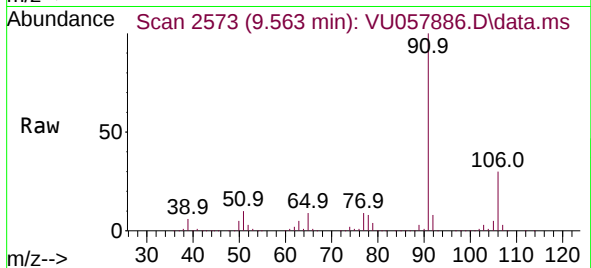




#52
Ethylbenzene
Concen: 201.169 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

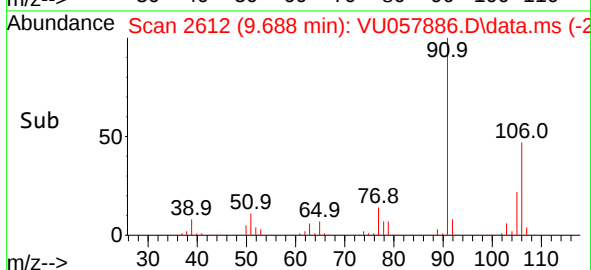
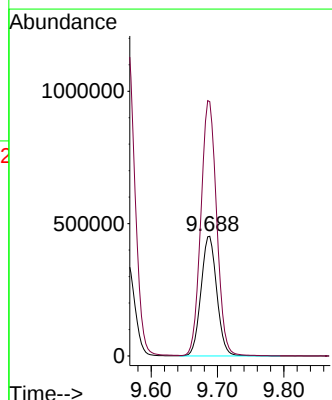
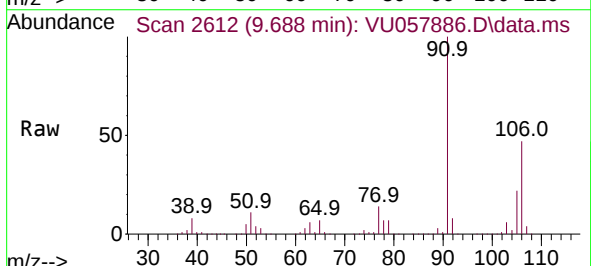
Instrument :
MSVOA_U
ClientSampleId :

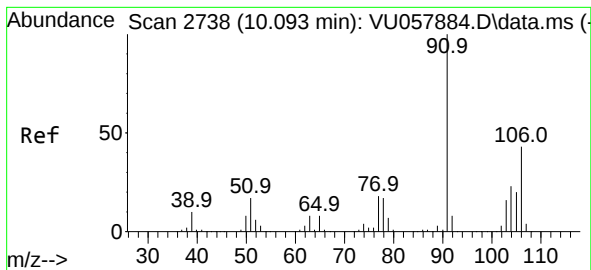
Tgt Ion: 91 Resp: 2018278
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1



#53
m,p-Xylene
Concen: 203.297 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion:106 Resp: 746174
Ion Ratio Lower Upper
106 100
91 212.5 150.2 279.0





#54

o-Xylene

Concen: 205.775 ug/L

RT: 10.093 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

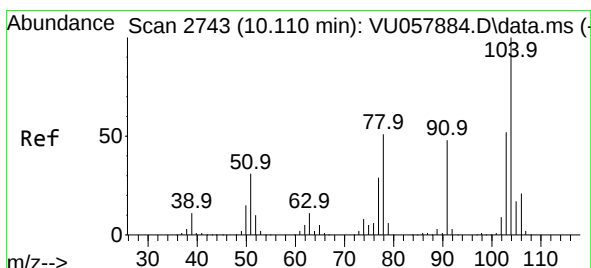
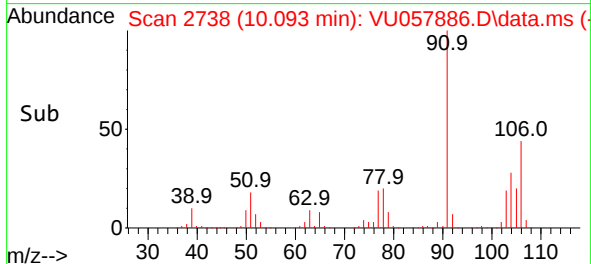
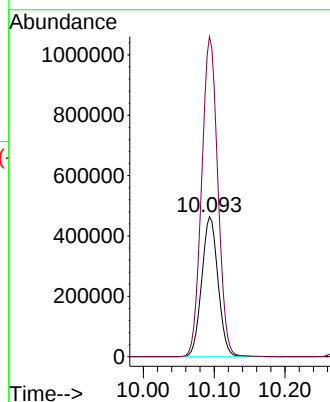
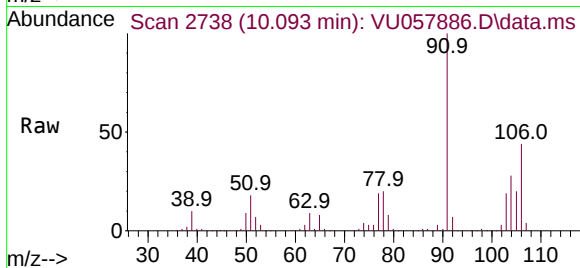
ClientSampleId :

Tgt Ion:106 Resp: 739307

Ion Ratio Lower Upper

106 100

91 228.6 161.3 299.5



#55

Styrene

Concen: 217.837 ug/L

RT: 10.109 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU057886.D

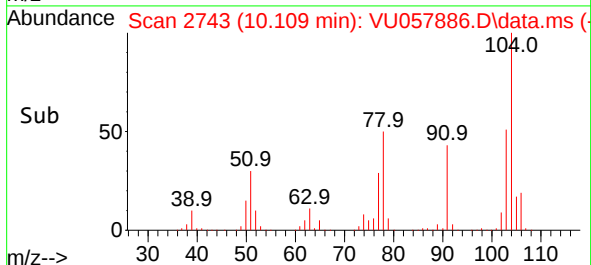
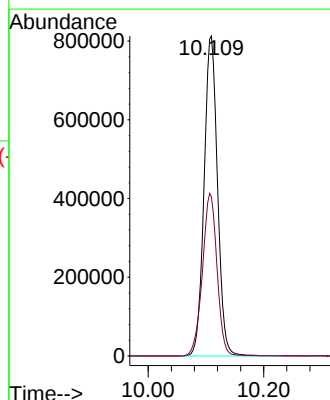
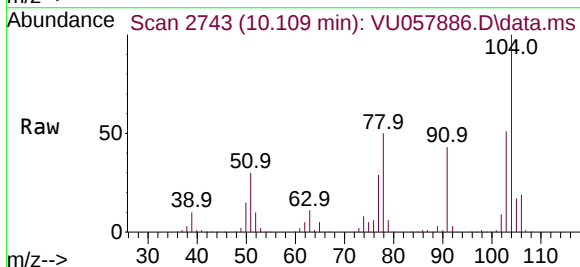
Acq: 19 Feb 2024 17:21

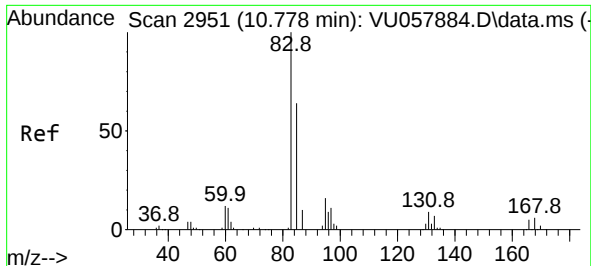
Tgt Ion:104 Resp: 1314248

Ion Ratio Lower Upper

104 100

78 49.7 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 216.999 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

ClientSampleId :

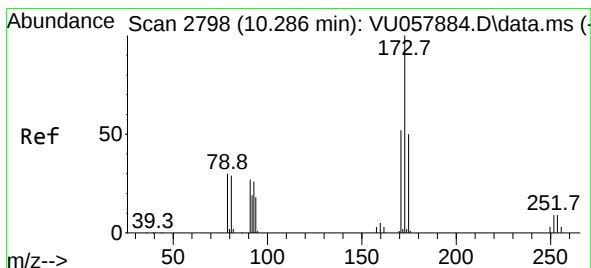
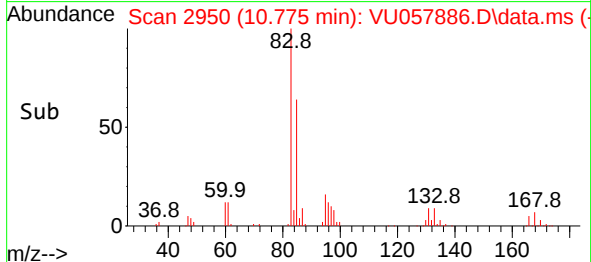
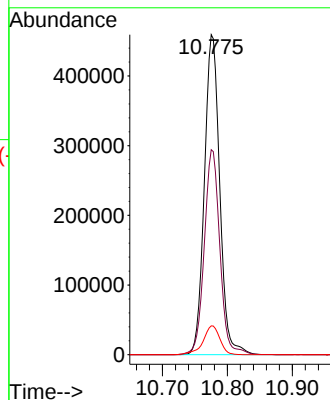
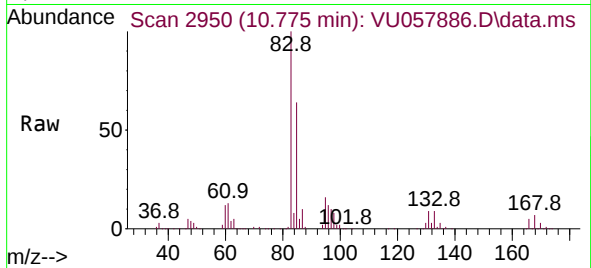
Tgt Ion: 83 Resp: 756794

Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

131 9.0 7.8 11.6



#59

Bromoform

Concen: 211.979 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

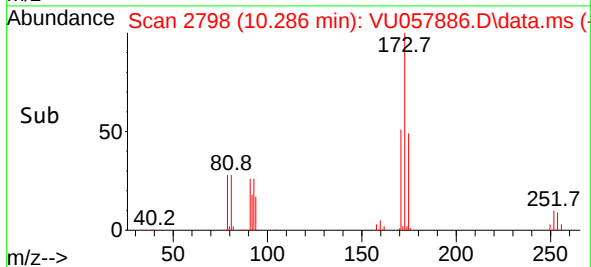
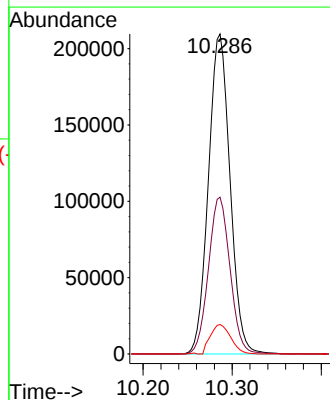
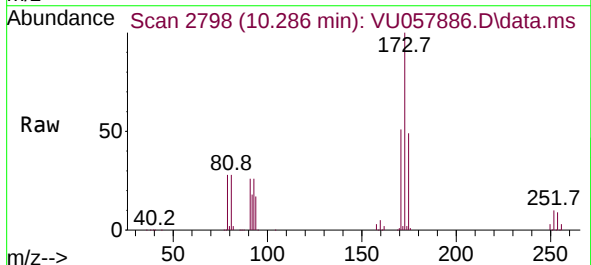
Tgt Ion:173 Resp: 352731

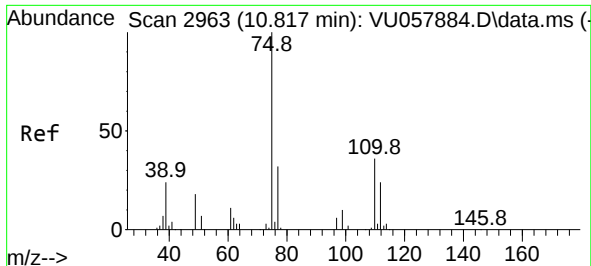
Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

254 8.7 1.0 1.6#

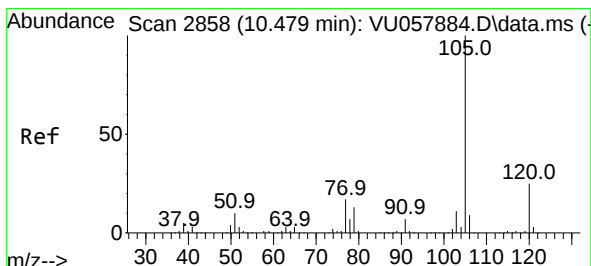
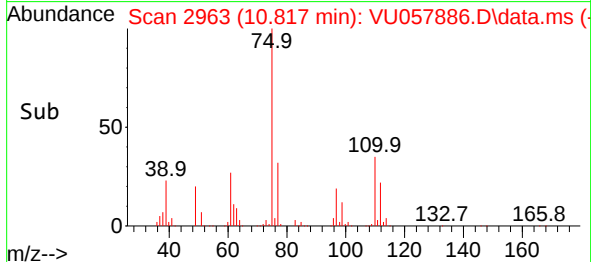
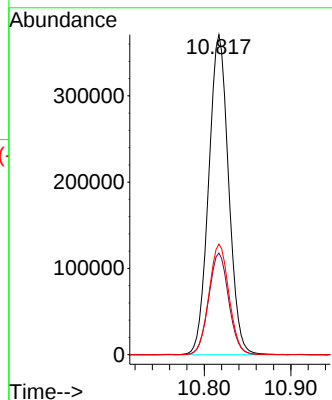
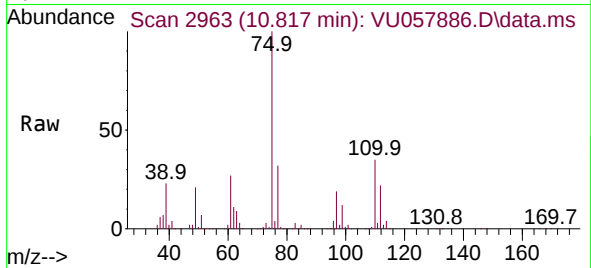




#60
1,2,3-Trichloropropane
Concen: 195.782 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

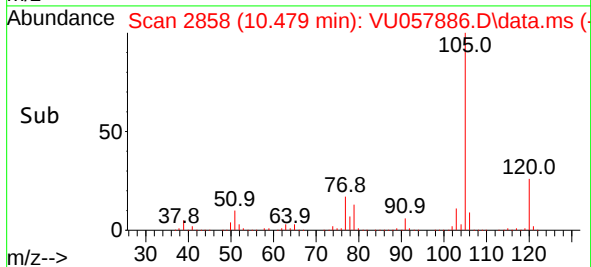
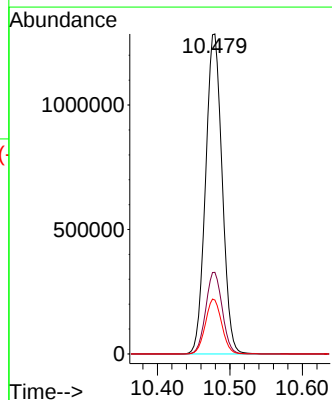
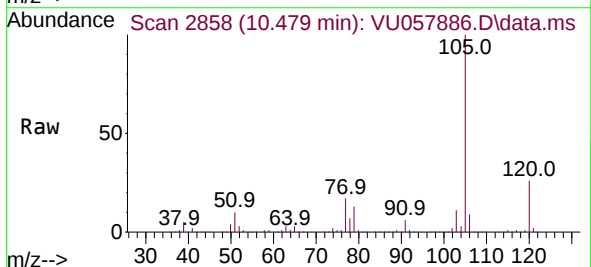
Instrument :
MSVOA_U
ClientSampleId :

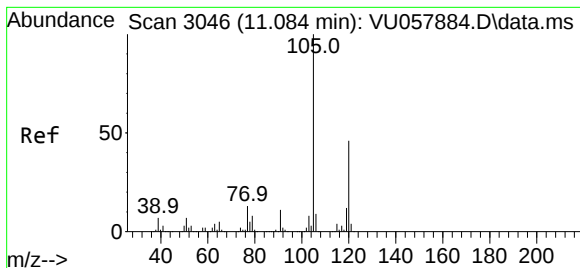
Tgt Ion: 75 Resp: 592551
Ion Ratio Lower Upper
75 100
77 32.0 25.9 38.9
110 34.8 28.3 42.5



#61
Isopropylbenzene
Concen: 194.442 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion: 105 Resp: 2037316
Ion Ratio Lower Upper
105 100
120 25.5 20.5 30.7
77 16.9 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 204.872 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

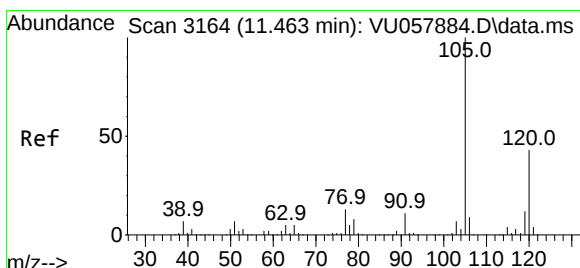
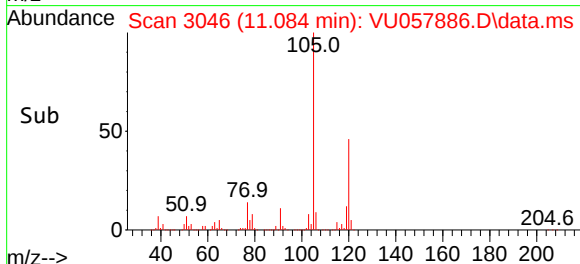
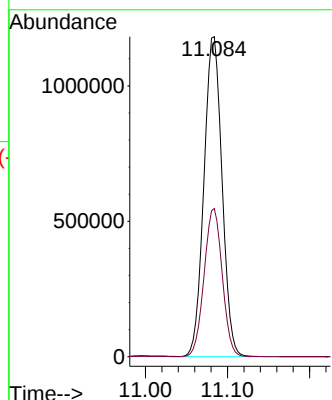
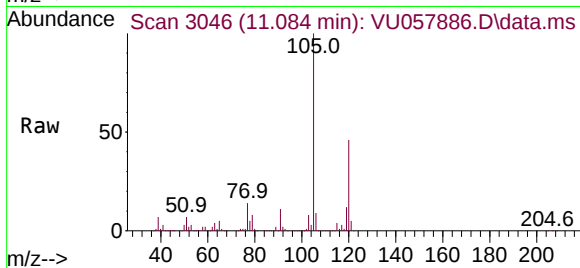
ClientSampleId :

Tgt Ion:105 Resp: 1815475

Ion Ratio Lower Upper

105 100

120 46.3 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 206.855 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057886.D

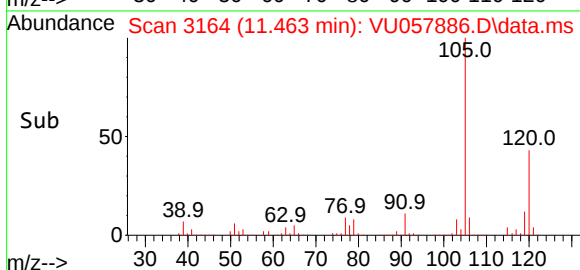
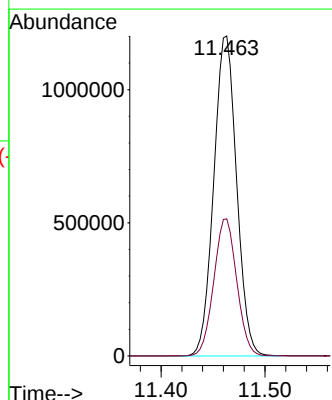
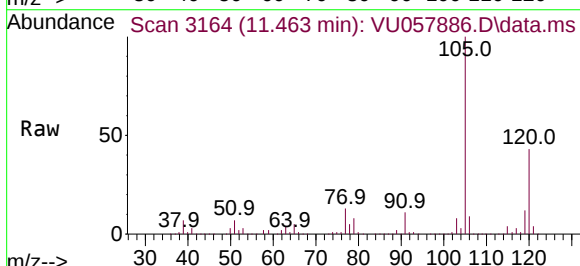
Acq: 19 Feb 2024 17:21

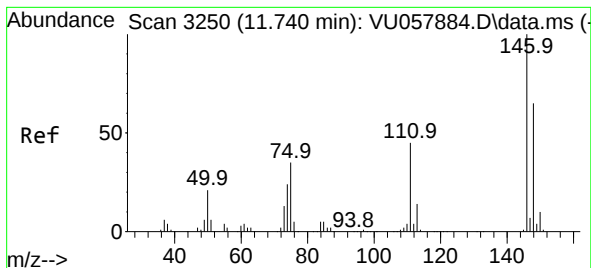
Tgt Ion:105 Resp: 1838903

Ion Ratio Lower Upper

105 100

120 43.0 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 199.556 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

ClientSampleId :

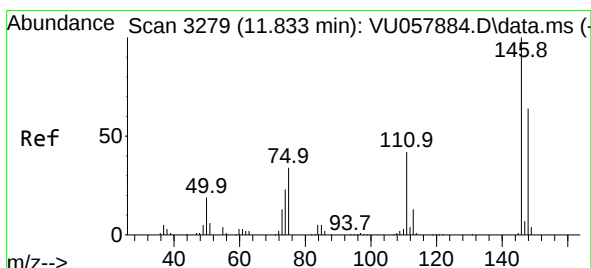
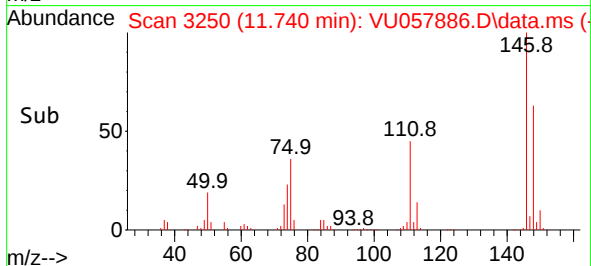
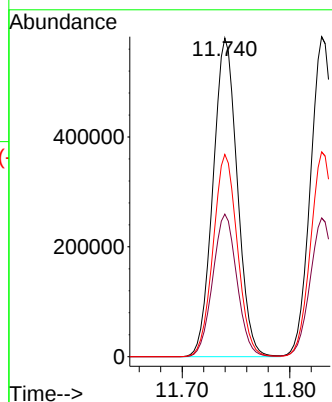
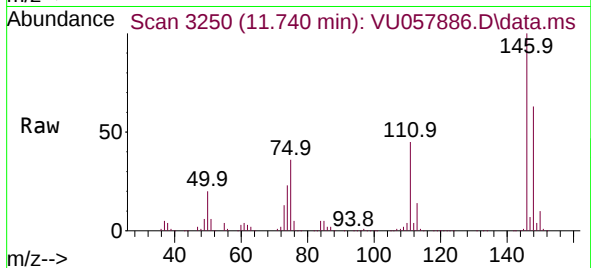
Tgt Ion:146 Resp: 910353

Ion Ratio Lower Upper

146 100

111 44.7 31.6 58.6

148 63.5 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 195.718 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.003 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

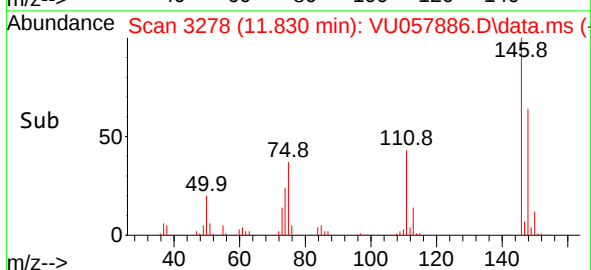
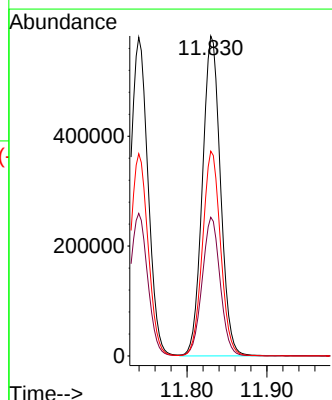
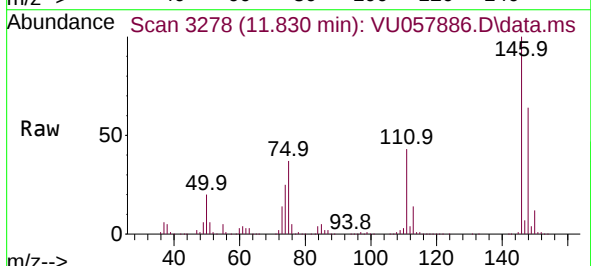
Tgt Ion:146 Resp: 917312

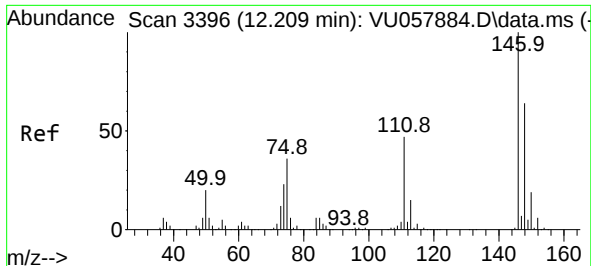
Ion Ratio Lower Upper

146 100

111 43.3 29.9 55.5

148 64.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 193.058 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

Instrument :

MSVOA_U

ClientSampleId :

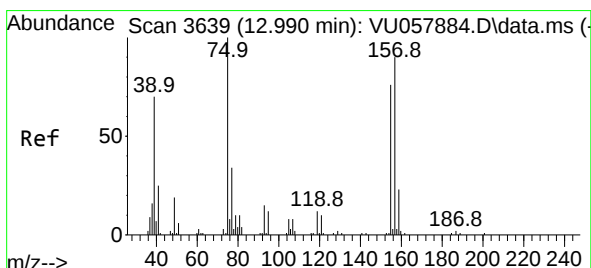
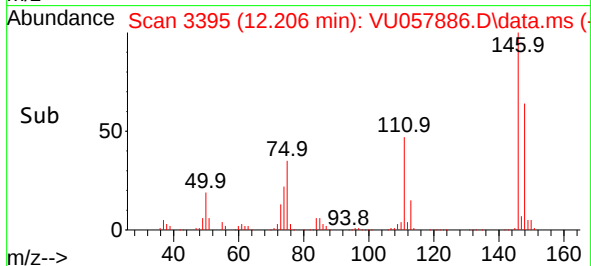
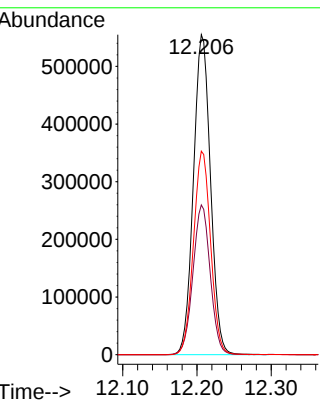
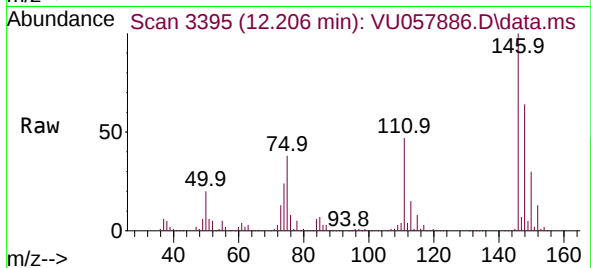
Tgt Ion:146 Resp: 885615

Ion Ratio Lower Upper

146 100

111 46.8 37.3 55.9

148 63.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 208.602 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057886.D

Acq: 19 Feb 2024 17:21

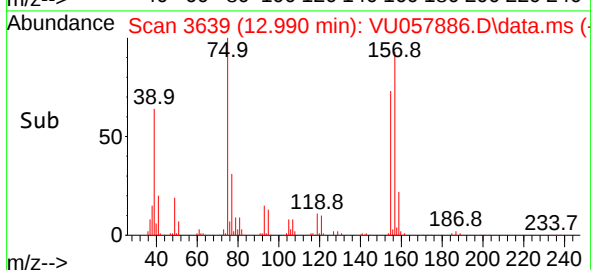
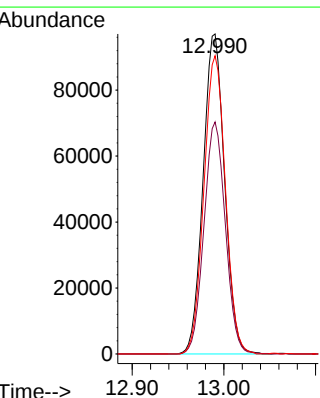
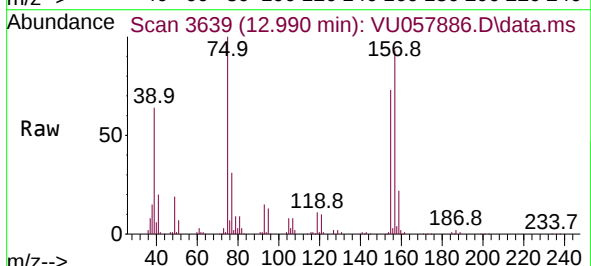
Tgt Ion: 75 Resp: 157950

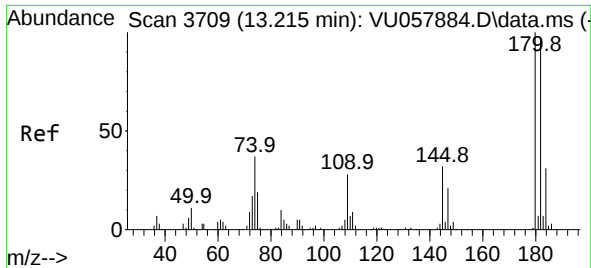
Ion Ratio Lower Upper

75 100

155 75.5 63.2 94.8

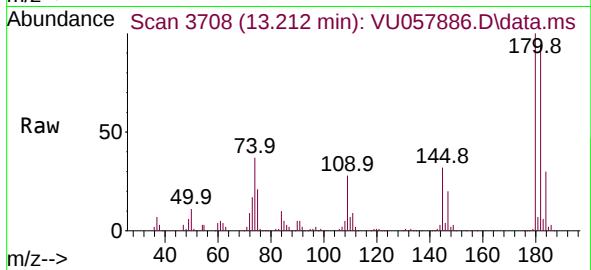
157 97.3 74.6 112.0



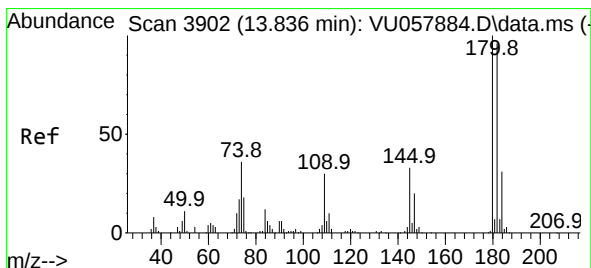
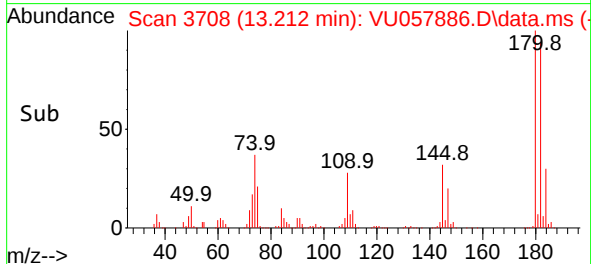
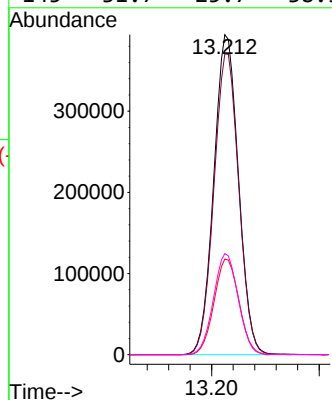


#69
 1,3,5-Trichlorobenzene
 Concen: 197.914 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU057886.D
 Acq: 19 Feb 2024 17:21

Instrument :
 MSVOA_U
 ClientSampleId :

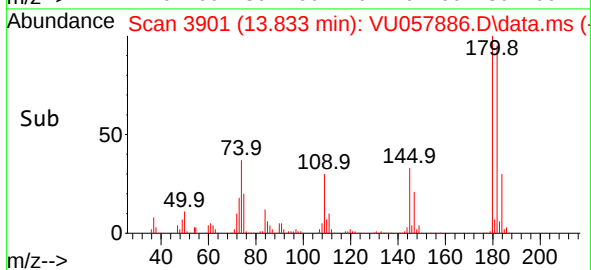
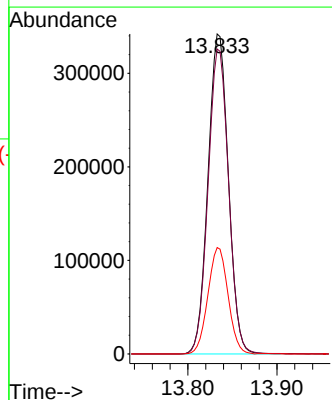
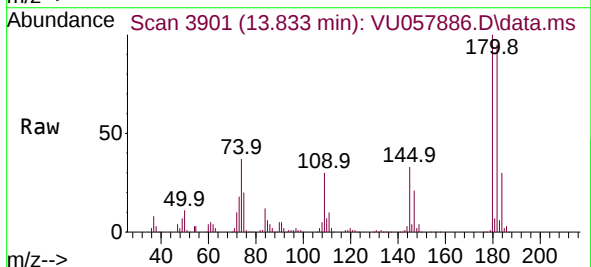


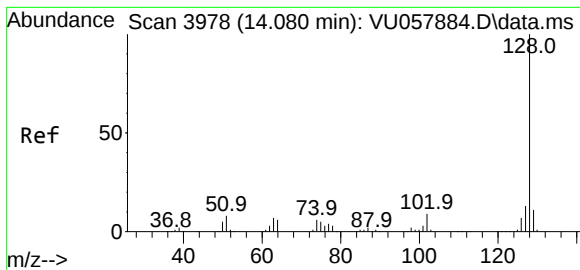
Tgt Ion:180 Resp: 627621
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.6 116.4
 184 30.2 24.1 36.1
 145 31.7 25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 201.508 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU057886.D
 Acq: 19 Feb 2024 17:21

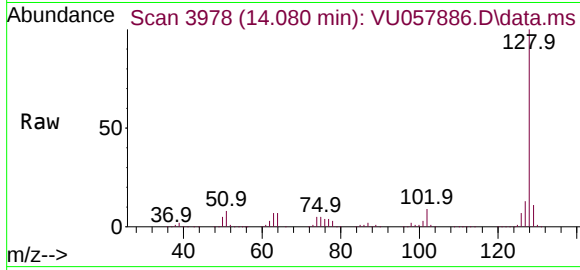
Tgt Ion:180 Resp: 542977
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.8 113.6
 145 32.9 25.9 38.9





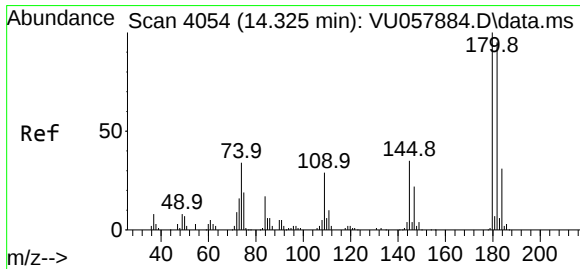
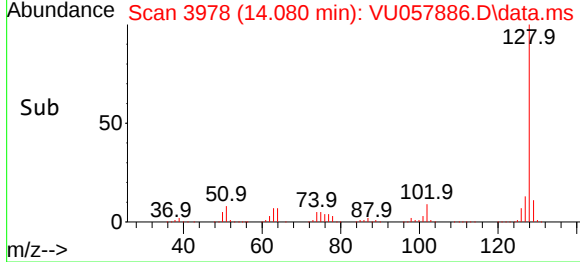
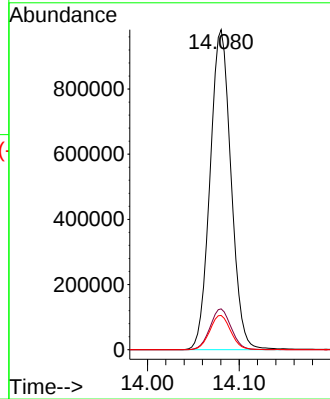
#71
Naphthalene
Concen: 216.753 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1561125

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 196.547 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU057886.D
Acq: 19 Feb 2024 17:21

Tgt Ion:180 Resp: 495898

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.4	113.2
145	35.1	27.8	41.8

