

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051159.D
 Acq On : 06 Oct 2022 04:37
 Operator : JC/MD
 Sample : N4853-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 06 06:34:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	458741	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	451394	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	219955	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	168048	36.146	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.300%
7) Chloroethane-d5	1.893	69	147546	34.165	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.320%#
11) 1,1-Dichloroethene-d2	2.562	63	289004	42.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.160%
21) 2-Butanone-d5	4.620	46	264599	87.751	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.750%
24) Chloroform-d	5.060	84	330010	44.059	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.120%
26) 1,2-Dichloroethane-d4	5.700	65	205900	44.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.820%
32) Benzene-d6	5.723	84	663243	50.175	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.360%
36) 1,2-Dichloropropane-d6	6.687	67	222492	51.871	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.740%
41) Toluene-d8	7.896	98	591099	48.400	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.179	79	76848	37.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.120%
47) 2-Hexanone-d5	8.632	63	141931	81.949	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.950%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	351154	46.843	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.680%
66) 1,2-Dichlorobenzene-d4	12.192	152	214224	45.591	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	173282	45.046	ug/L	100
3) Chloromethane	1.520	50	236707	52.081	ug/L	100
5) Vinyl chloride	1.604	62	234958	48.711	ug/L	99
6) Bromomethane	1.832	94	113614	28.436	ug/L	98
8) Chloroethane	1.916	64	147899	41.757	ug/L	100
9) Trichlorofluoromethane	2.128	101	266025	41.017	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	153067	43.707	ug/L	99
12) 1,1-Dichloroethene	2.575	96	158618	48.487	ug/L	89
13) Acetone	2.623	43	206973	85.957	ug/L	99
14) Carbon disulfide	2.787	76	454107	46.959	ug/L	98
15) Methyl Acetate	2.948	43	82218	18.703	ug/L	94
16) Methylene chloride	3.041	84	220285	46.907	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	169494	48.701	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	571273	54.014	ug/L	99
19) 1,1-Dichloroethane	3.864	63	351612	53.186	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	202626	52.144	ug/L	96
22) 2-Butanone	4.700	43	331295	99.584	ug/L	98
23) Bromochloromethane	4.970	128	108923	51.158	ug/L	98
25) Chloroform	5.086	83	363265	50.517	ug/L	98

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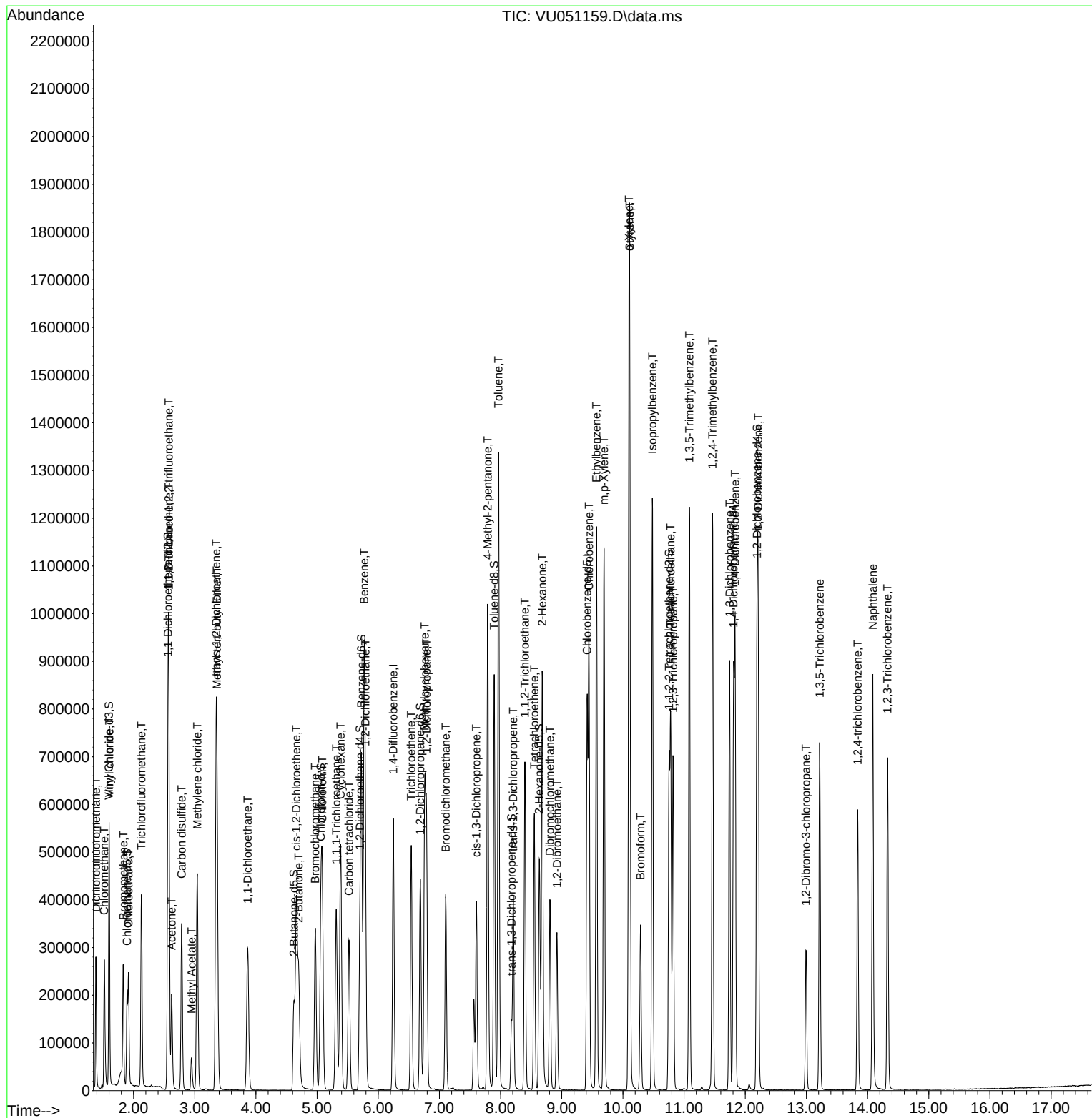
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	278649	50.586	ug/L	99
29) Cyclohexane	5.385	56	253530	57.683	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	274199	51.796	ug/L	99
31) Carbon tetrachloride	5.520	117	220268	50.996	ug/L	100
33) Benzene	5.771	78	813737	59.131	ug/L	100
34) Trichloroethene	6.539	95	179669	50.407	ug/L	99
35) Methylcyclohexane	6.761	83	242730	50.034	ug/L	97
37) 1,2-Dichloropropane	6.787	63	218033	58.835	ug/L	100
38) Bromodichloromethane	7.102	83	267834	54.156	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	240144	45.756	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	634604	118.246	ug/L	99
42) Toluene	7.967	91	984623	67.266	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	225248	42.447	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	215694	53.734	ug/L	99
46) Tetrachloroethene	8.552	164	126805	46.944	ug/L	98
48) 2-Hexanone	8.681	43	527492	108.211	ug/L	99
49) Dibromochloromethane	8.809	129	208438	49.389	ug/L	97
50) 1,2-Dibromoethane	8.922	107	221310	50.851	ug/L	100
51) Chlorobenzene	9.446	112	508483	51.082	ug/L	100
52) Ethylbenzene	9.568	91	822875	52.703	ug/L	100
53) m,p-Xylene	9.693	106	322338	54.900	ug/L	97
54) o-Xylene	10.099	106	321061	54.708	ug/L	98
55) Styrene	10.111	104	545909	53.821	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	396429	55.802	ug/L	99
59) Bromoform	10.288	173	156550	48.373	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	300944	51.992	ug/L	98
61) Isopropylbenzene	10.481	105	783171	54.811	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	652524	55.848	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	654083	55.856	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	363030	49.284	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	363595	49.380	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	386872	51.119	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	76619	45.360	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	228372	45.719	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	182855	44.741	ug/L	100
71) Naphthalene	14.086	128	695863	47.571	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	214613	47.059	ug/L	100

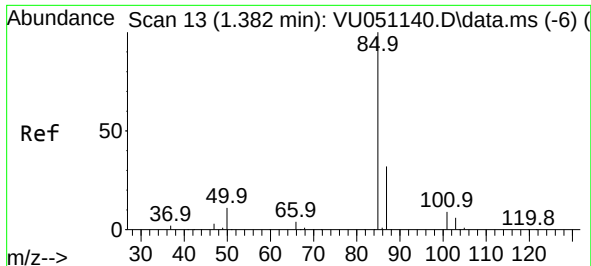
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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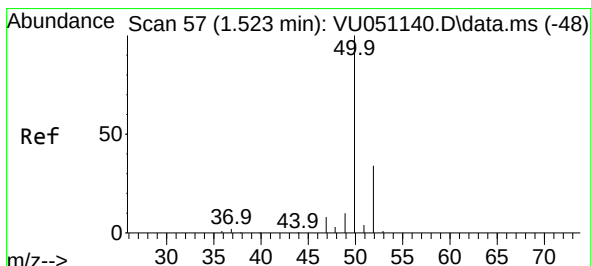
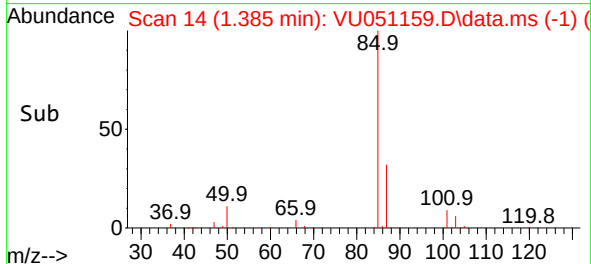
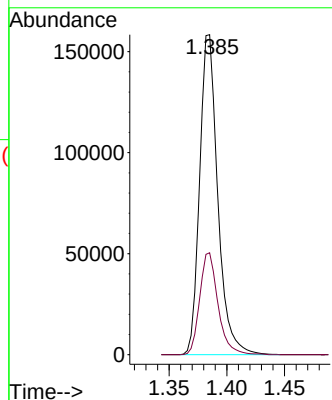
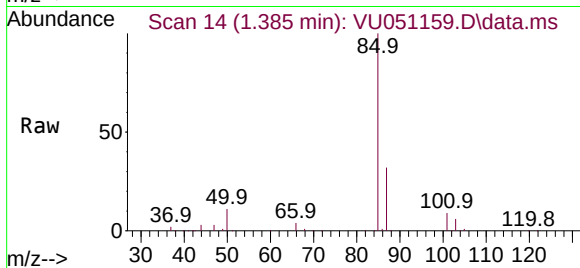




#2
 Dichlorodifluoromethane
 Concen: 45.046 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.003 min
 Lab File: VU051159.D
 Acq: 06 Oct 2022 04:37

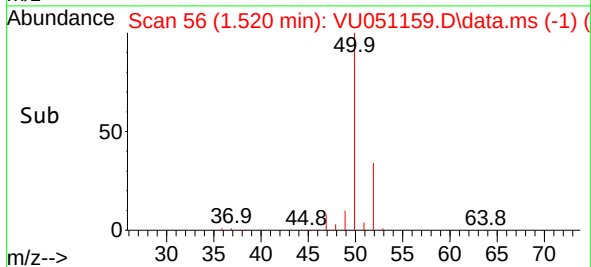
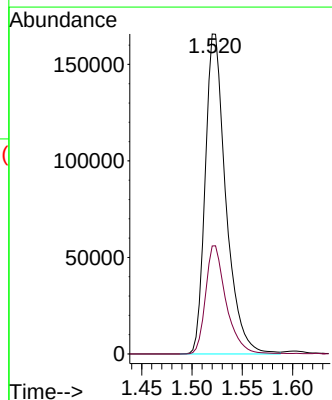
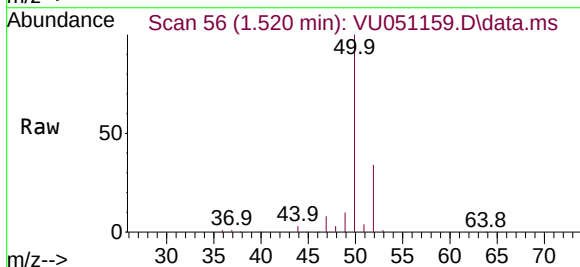
Instrument :
 MSVOA_U
 ClientSampleId :

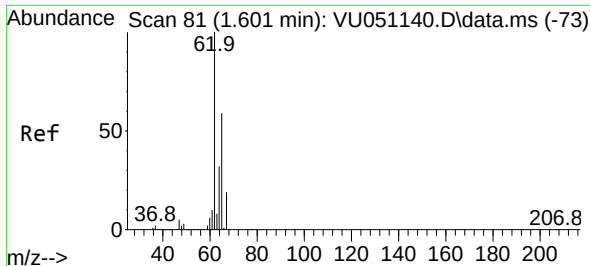
Tgt Ion: 85 Resp: 173282
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.9 38.9



#3
 Chloromethane
 Concen: 52.081 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.003 min
 Lab File: VU051159.D
 Acq: 06 Oct 2022 04:37

Tgt Ion: 50 Resp: 236707
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.7 44.1

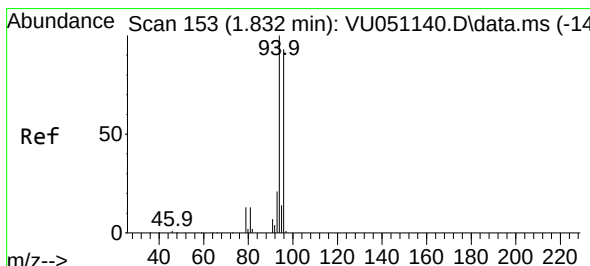
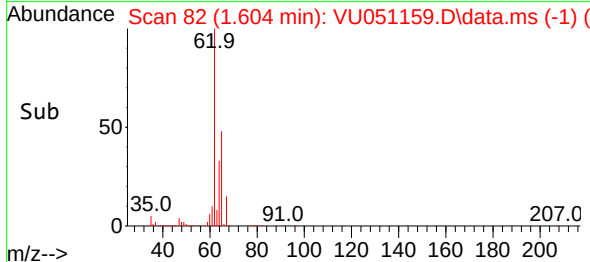
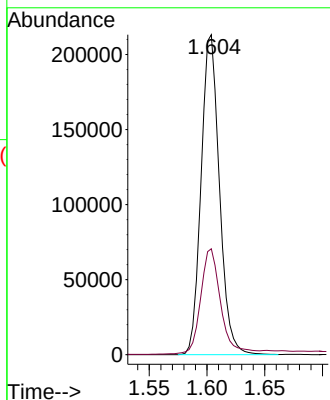
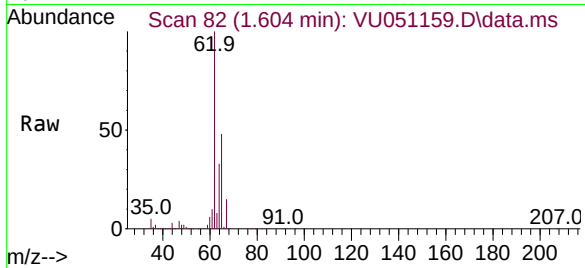




#5
 Vinyl chloride
 Concen: 48.711 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU051159.D
 Acq: 06 Oct 2022 04:37

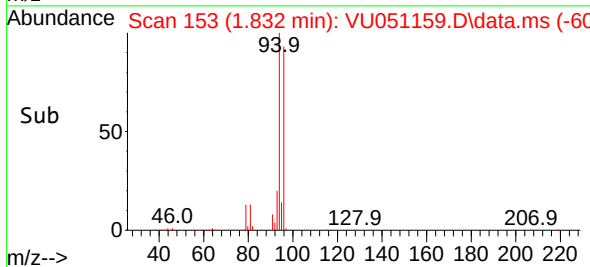
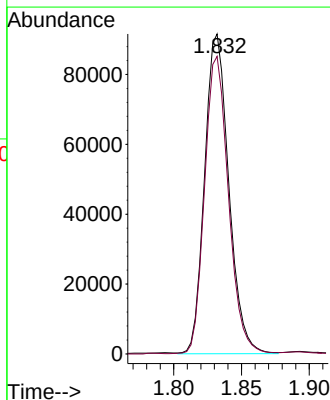
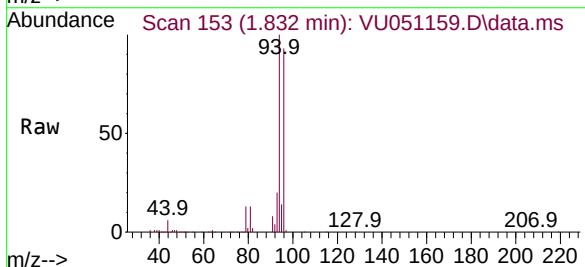
Instrument :
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 ClientSampleId :

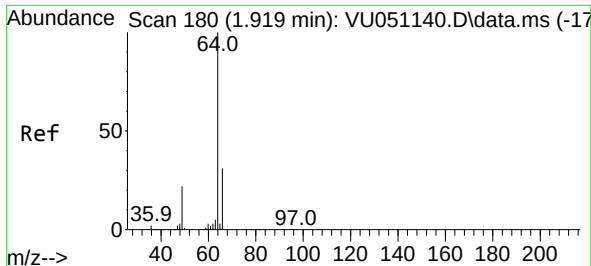
Tgt Ion: 62 Resp: 234958
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.5 43.7



#6
 Bromomethane
 Concen: 28.436 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.000 min
 Lab File: VU051159.D
 Acq: 06 Oct 2022 04:37

Tgt Ion: 94 Resp: 113614
 Ion Ratio Lower Upper
 94 100
 96 93.0 63.9 118.7

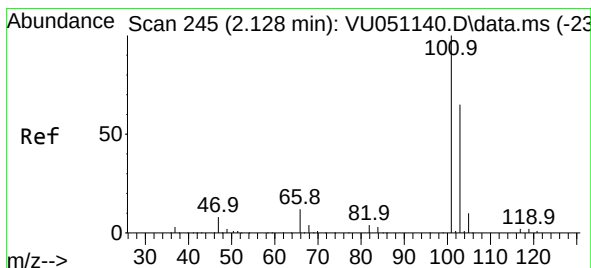
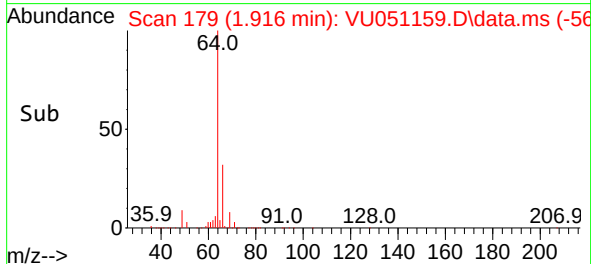
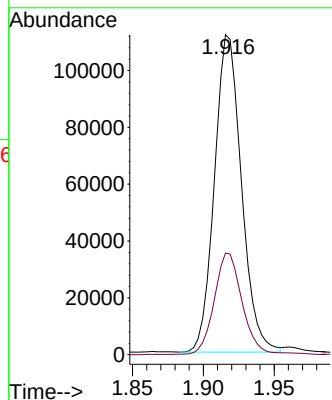
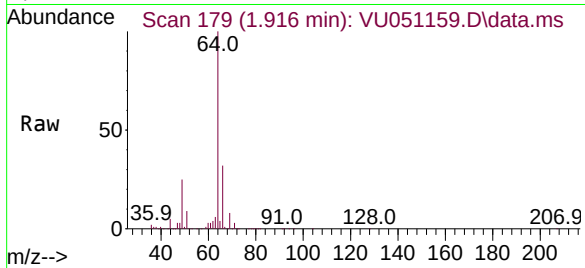




#8
Chloroethane
Concen: 41.757 ug/L
RT: 1.916 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

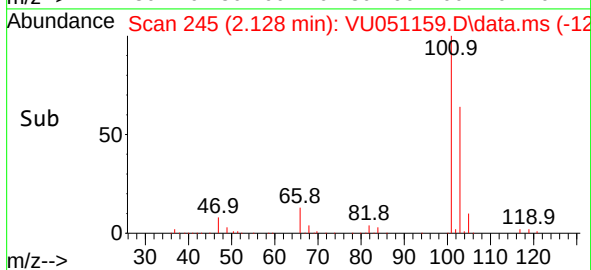
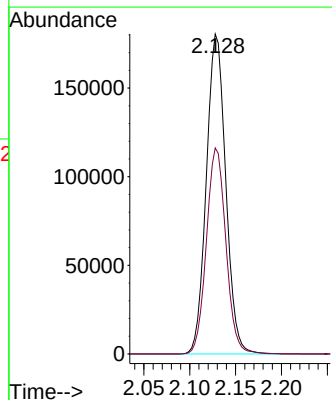
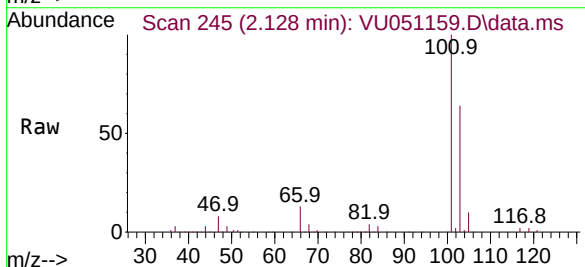
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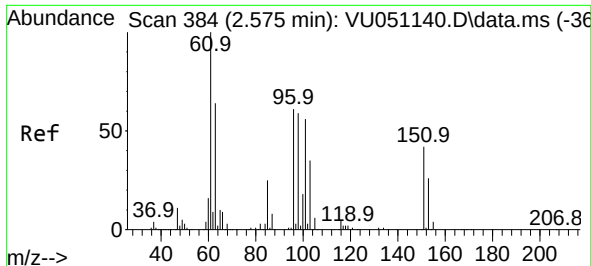
Tgt Ion: 64 Resp: 147899
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 41.017 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion: 101 Resp: 266025
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6

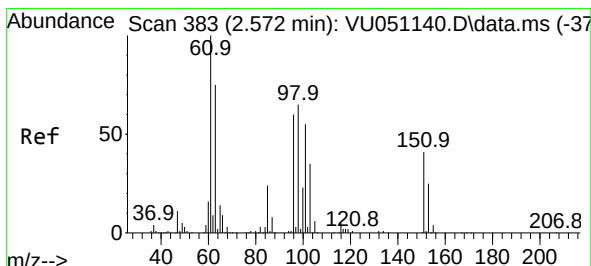
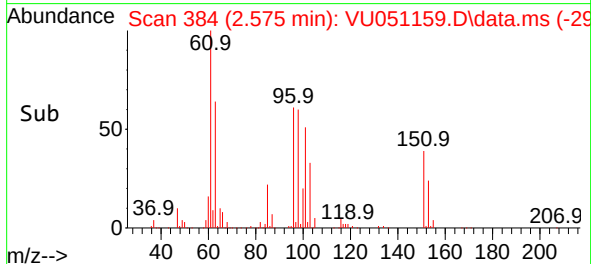
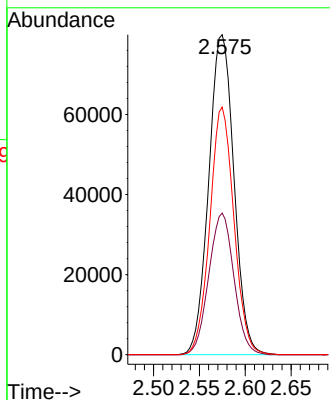
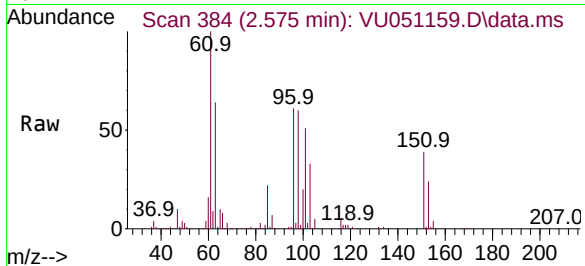




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.707 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

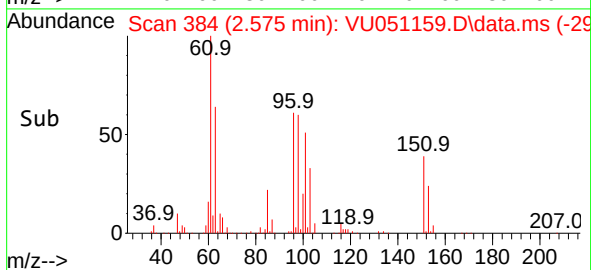
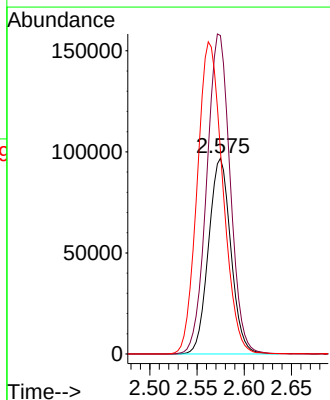
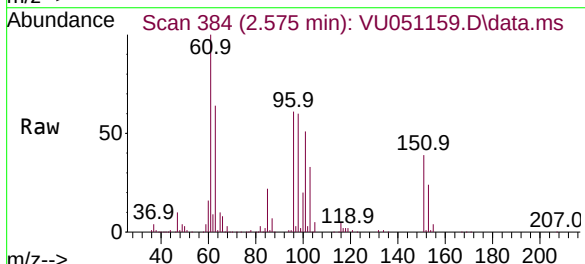
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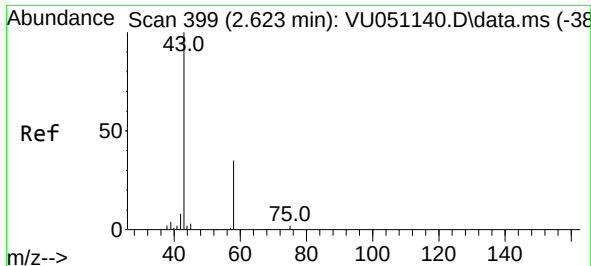
Tgt Ion:101 Resp: 153067
Ion Ratio Lower Upper
101 100
85 44.1 34.6 52.0
151 74.0 58.6 87.8



#12
1,1-Dichloroethene
Concen: 48.487 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.003 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion: 96 Resp: 158618
Ion Ratio Lower Upper
96 100
61 162.7 113.0 209.9
63 103.8 91.7 170.3





#13

Acetone

Concen: 85.957 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

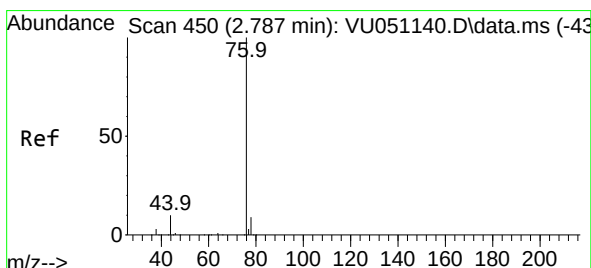
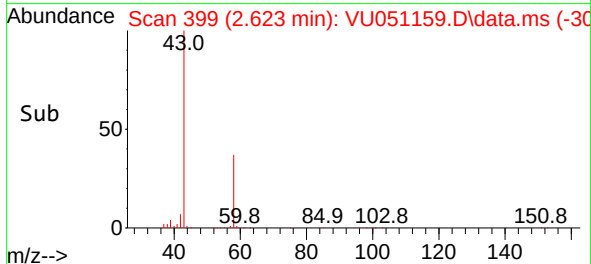
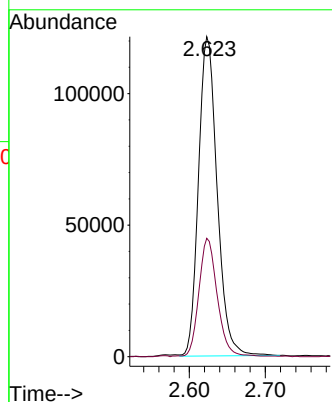
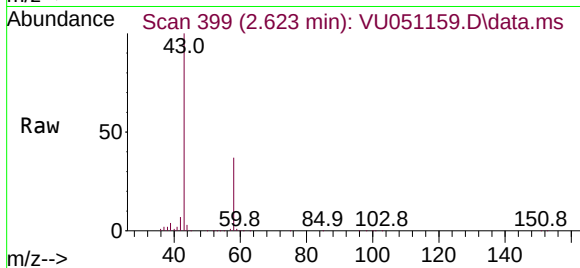
ClientSampleId :

Tgt Ion: 43 Resp: 206973

Ion Ratio Lower Upper

43 100

58 36.0 0.0 73.6



#14

Carbon disulfide

Concen: 46.959 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU051159.D

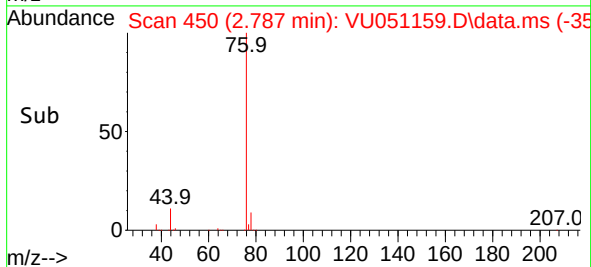
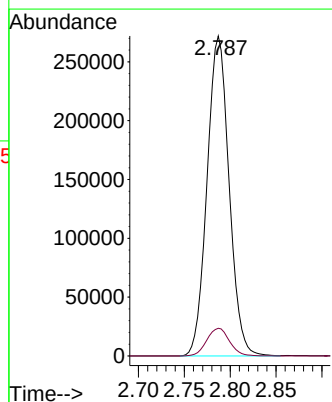
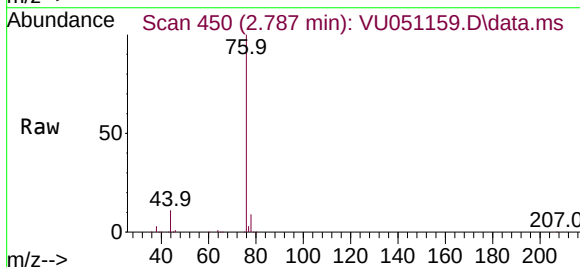
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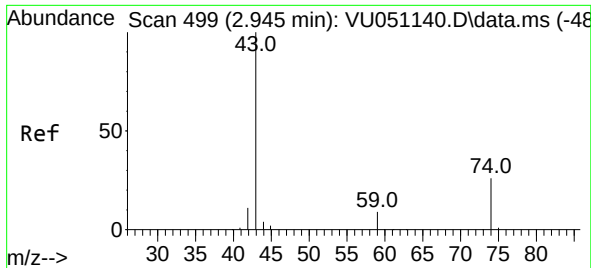
Tgt Ion: 76 Resp: 454107

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0

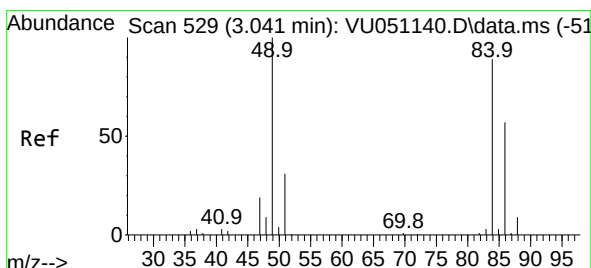
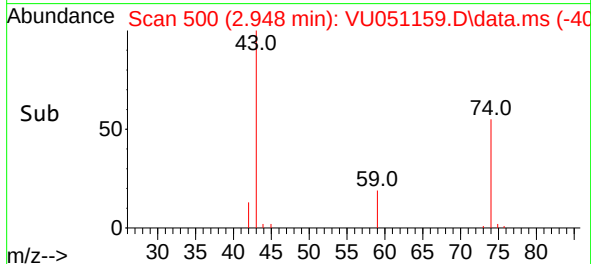
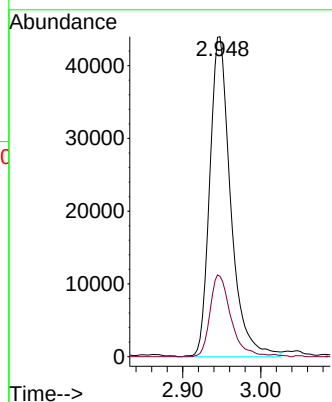
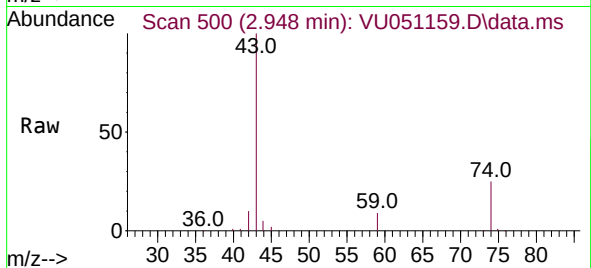




#15
Methyl Acetate
Concen: 18.703 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

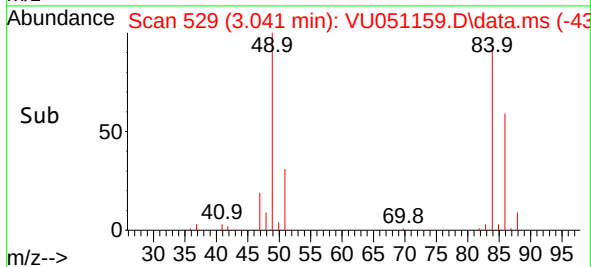
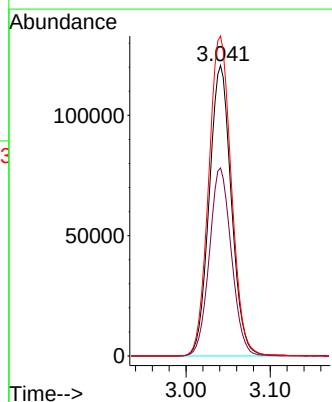
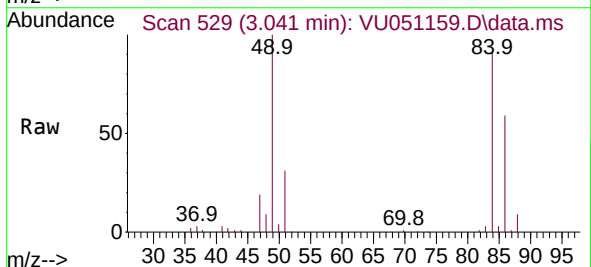
Instrument :
MSVOA_U
ClientSampleId :

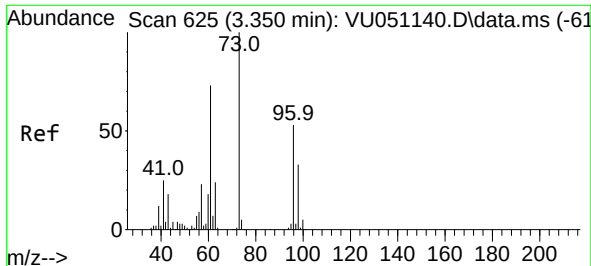
Tgt Ion: 43 Resp: 82218
Ion Ratio Lower Upper
43 100
74 25.0 22.4 33.6



#16
Methylene chloride
Concen: 46.907 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion: 84 Resp: 220285
Ion Ratio Lower Upper
84 100
86 64.7 45.4 84.4
49 110.2 78.3 145.3





#17

trans-1,2-Dichloroethene

Concen: 48.701 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

ClientSampleId :

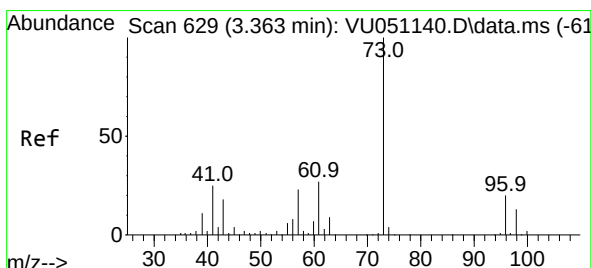
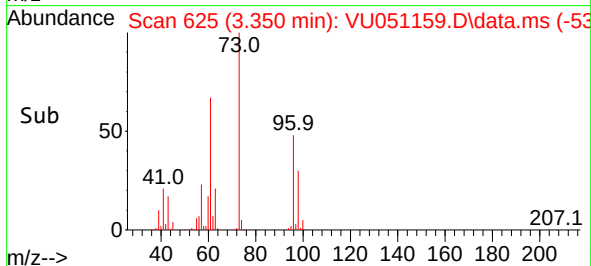
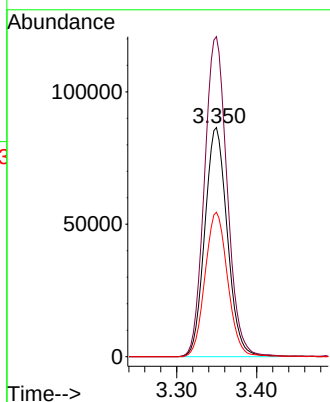
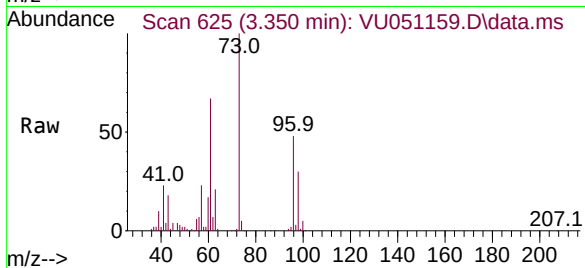
Tgt Ion: 96 Resp: 169494

Ion Ratio Lower Upper

96 100

61 139.6 95.1 176.5

98 63.0 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 54.014 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

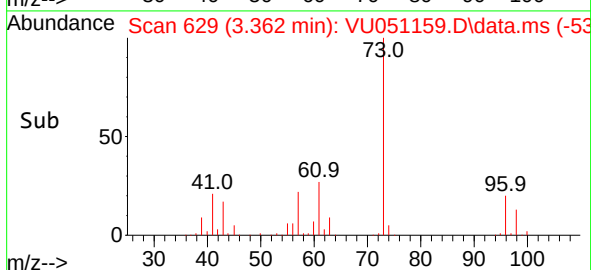
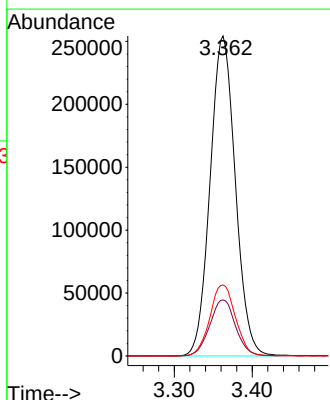
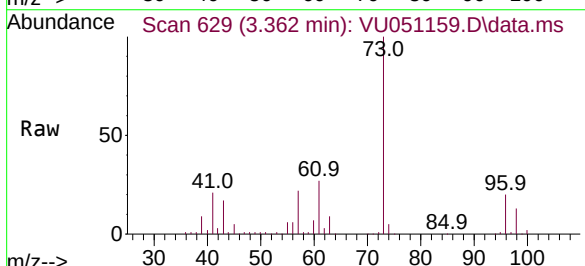
Tgt Ion: 73 Resp: 571273

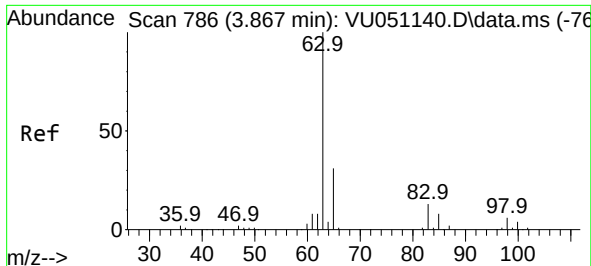
Ion Ratio Lower Upper

73 100

43 17.8 14.7 22.1

57 22.6 17.5 26.3





#19

1,1-Dichloroethane

Concen: 53.186 ug/L

RT: 3.864 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

ClientSampleId :

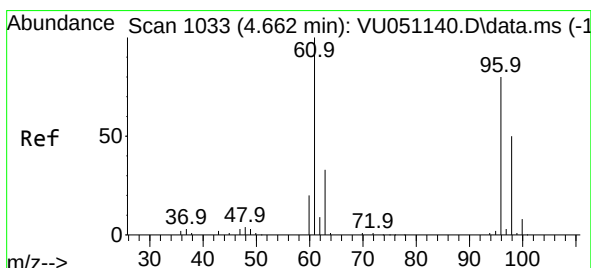
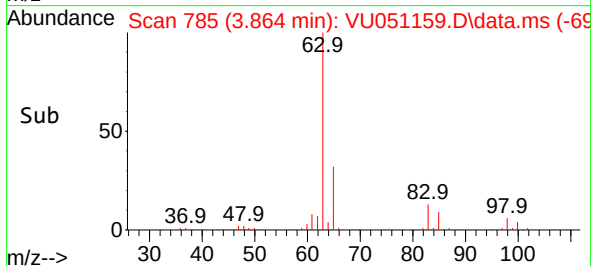
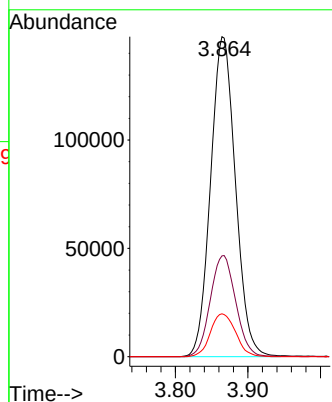
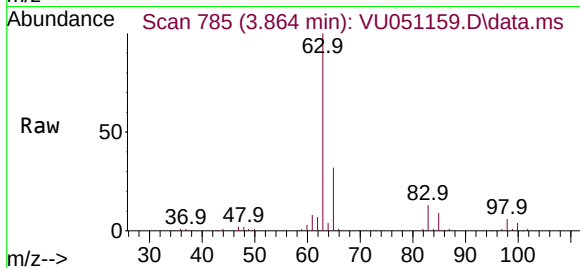
Tgt Ion: 63 Resp: 351612

Ion Ratio Lower Upper

63 100

65 31.5 22.6 42.0

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 52.144 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

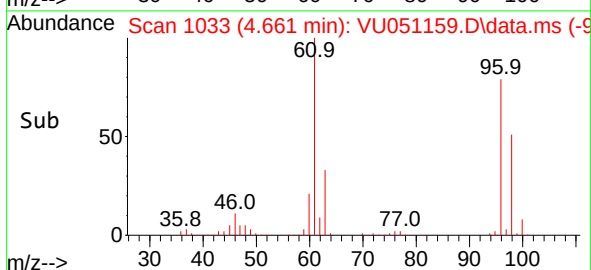
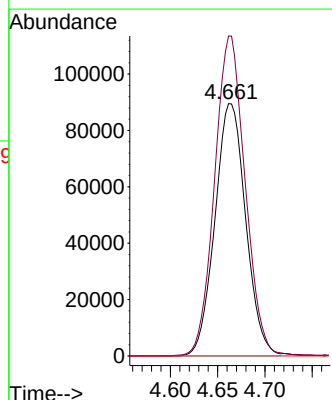
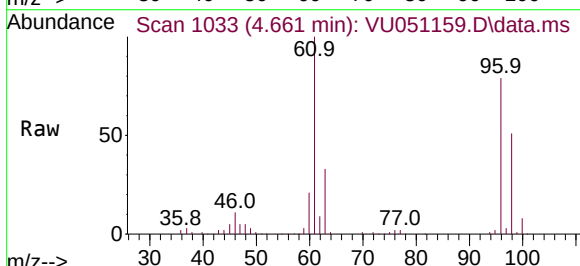
Tgt Ion: 96 Resp: 202626

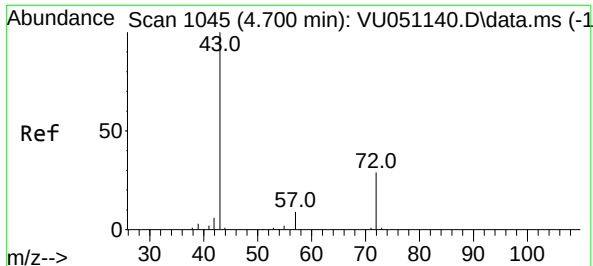
Ion Ratio Lower Upper

96 100

61 126.8 85.4 158.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.584 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

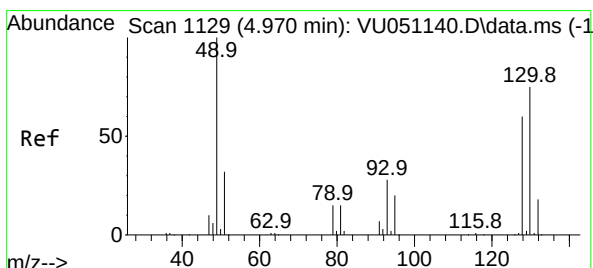
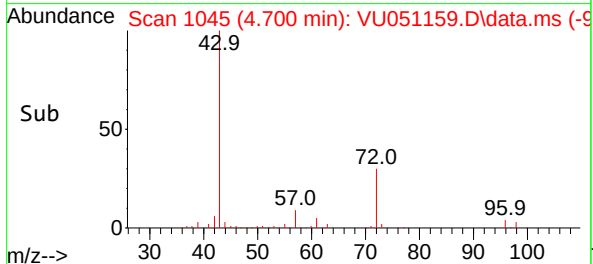
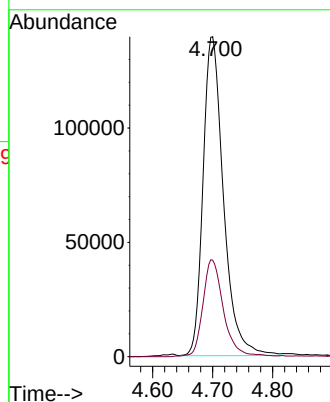
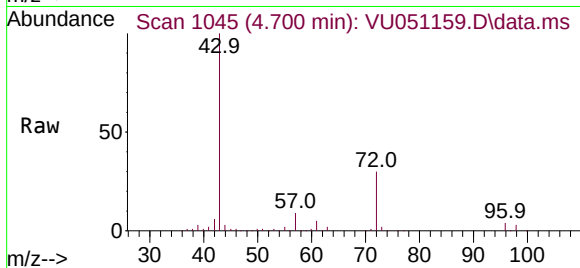
ClientSampleId :

Tgt Ion: 43 Resp: 331295

Ion Ratio Lower Upper

43 100

72 30.3 15.8 47.4



#23

Bromochloromethane

Concen: 51.158 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Tgt Ion: 128 Resp: 108923

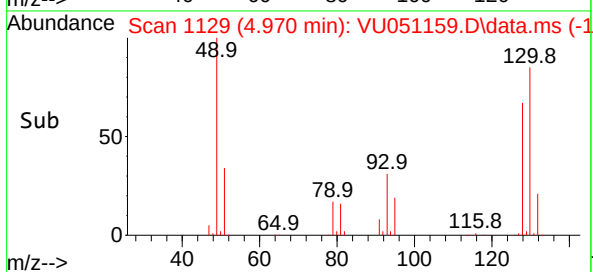
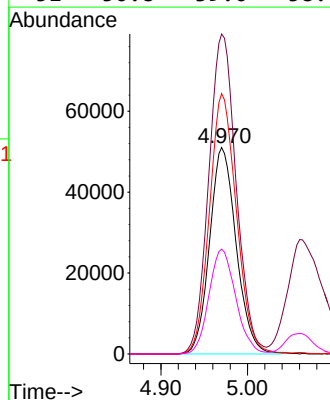
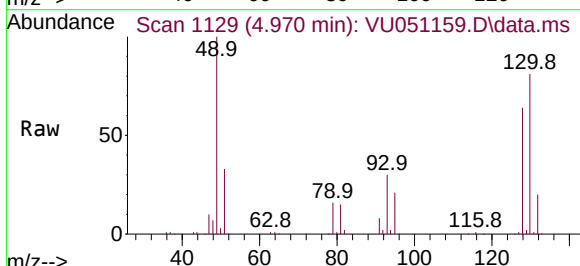
Ion Ratio Lower Upper

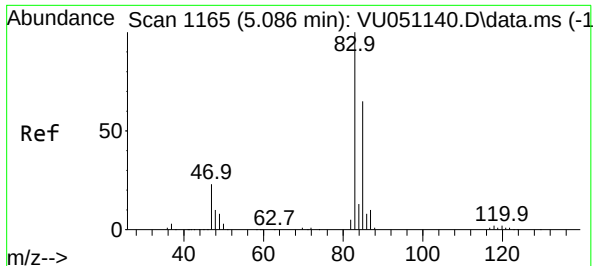
128 100

49 155.1 106.9 198.5

130 126.2 86.2 160.0

51 50.8 39.0 58.4





#25

Chloroform

Concen: 50.517 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

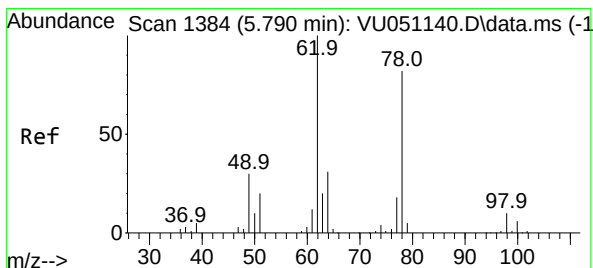
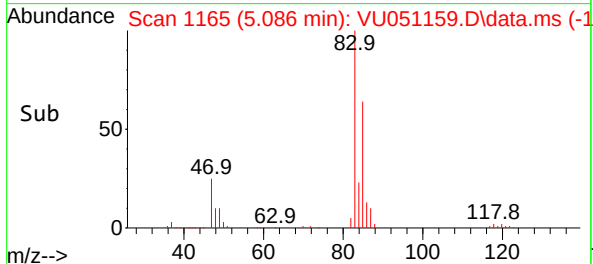
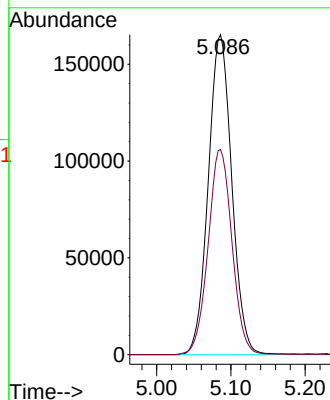
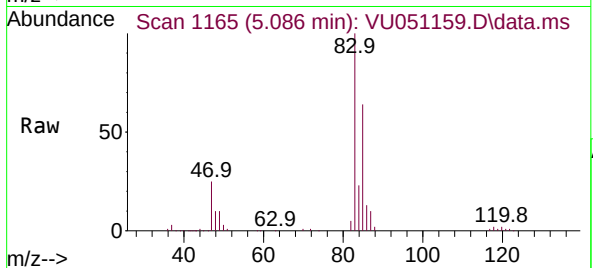
ClientSampleId :

Tgt Ion: 83 Resp: 363265

Ion Ratio Lower Upper

83 100

85 64.1 45.7 84.9



#27

1,2-Dichloroethane

Concen: 50.586 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU051159.D

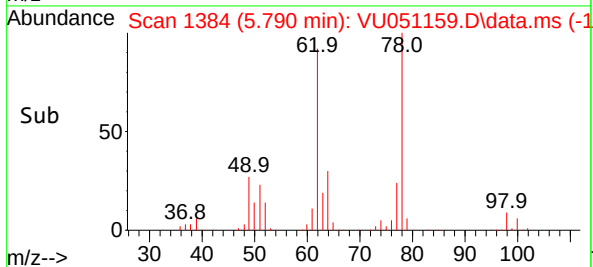
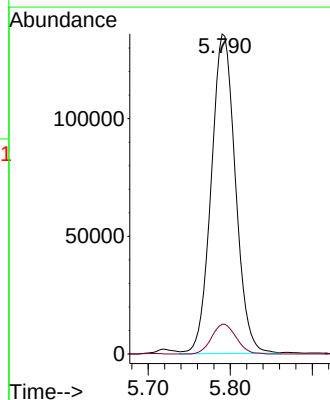
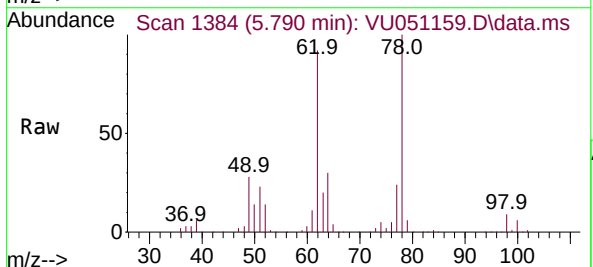
Acq: 06 Oct 2022 04:37

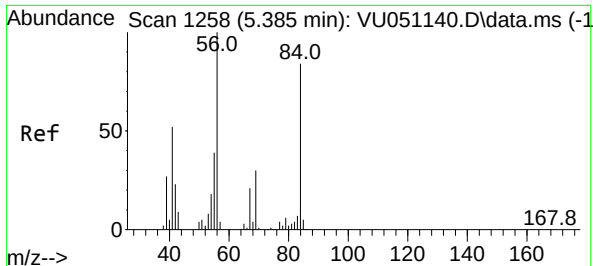
Tgt Ion: 62 Resp: 278649

Ion Ratio Lower Upper

62 100

98 9.3 7.3 10.9





#29

Cyclohexane

Concen: 57.683 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

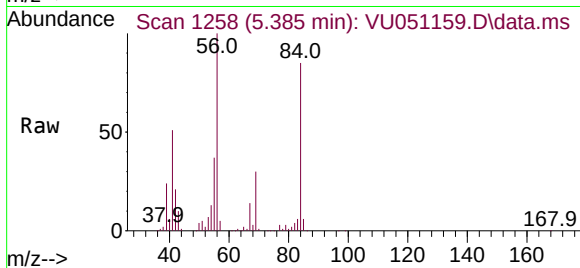
Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

ClientSampleId :



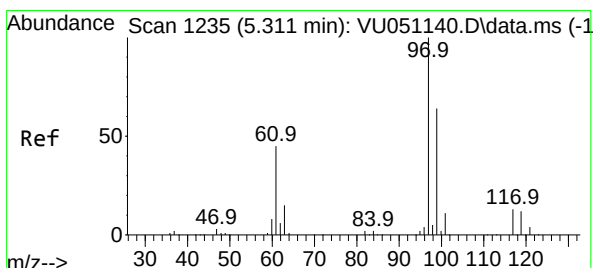
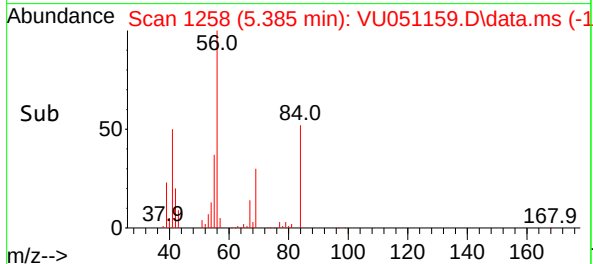
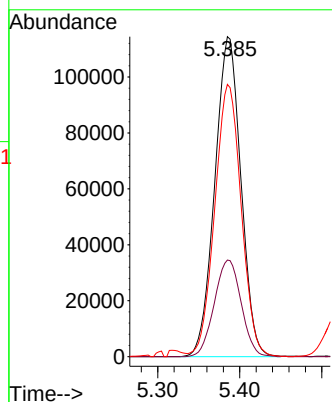
Tgt Ion: 56 Resp: 253530

Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 86.2 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 51.796 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

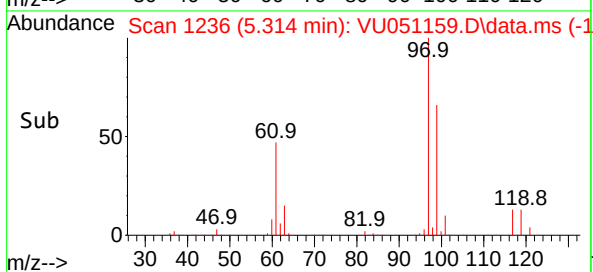
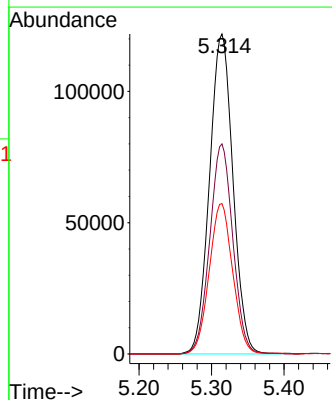
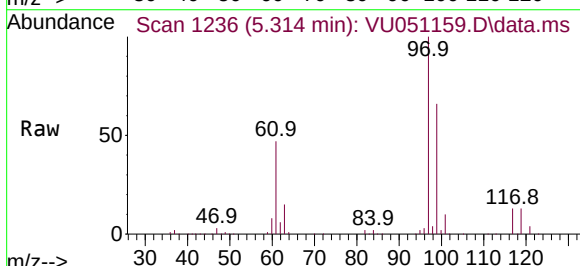
Tgt Ion: 97 Resp: 274199

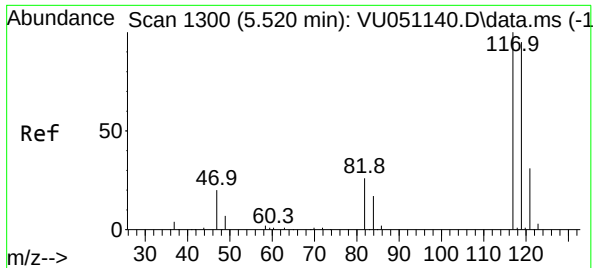
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.2

61 47.0 36.0 54.0

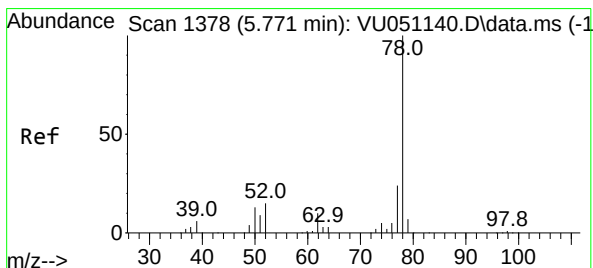
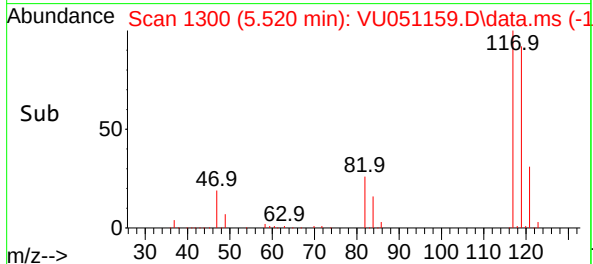
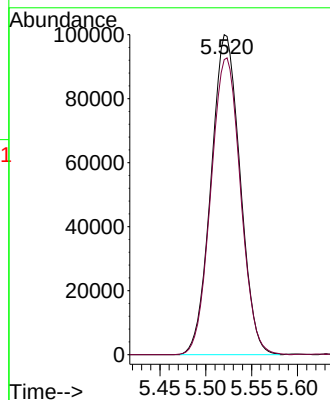
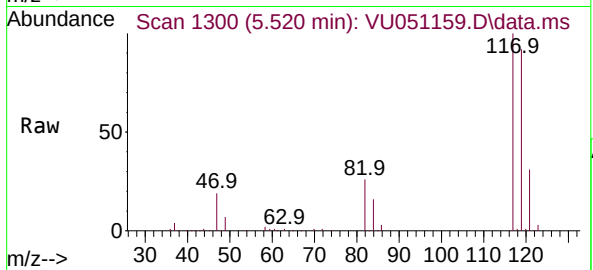




#31
Carbon tetrachloride
Concen: 50.996 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

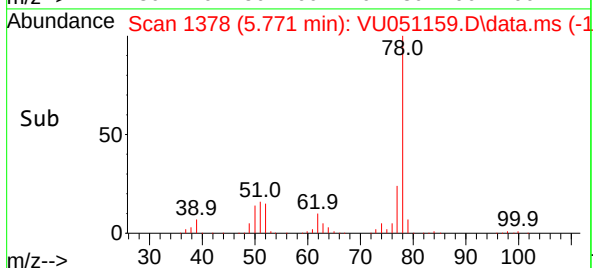
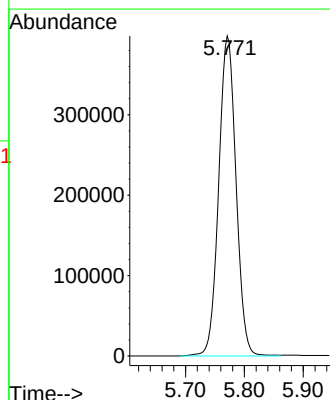
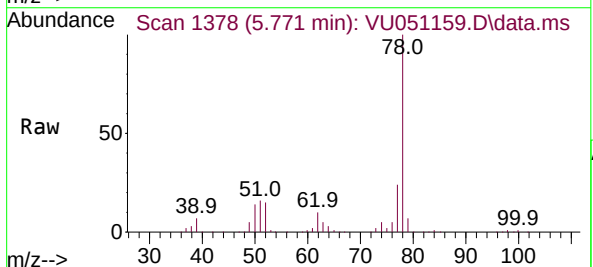
Instrument :
MSVOA_U
ClientSampleId :

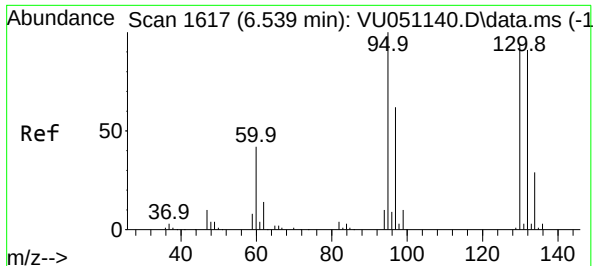
Tgt Ion:117 Resp: 220268
Ion Ratio Lower Upper
117 100
119 94.7 75.7 113.5



#33
Benzene
Concen: 59.131 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion: 78 Resp: 813737





#34

Trichloroethene

Concen: 50.407 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 179669

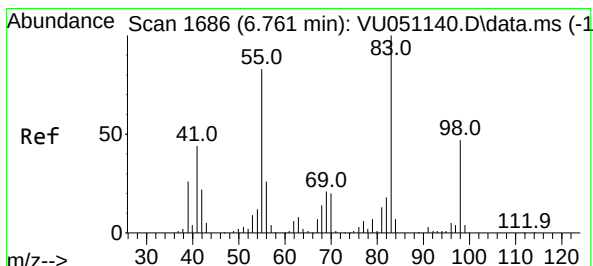
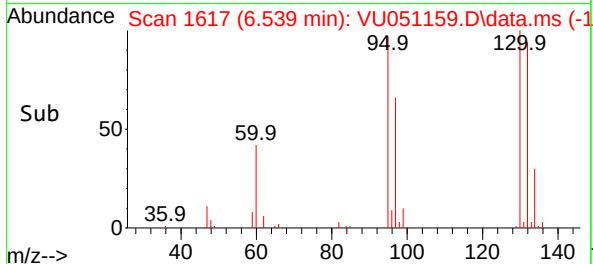
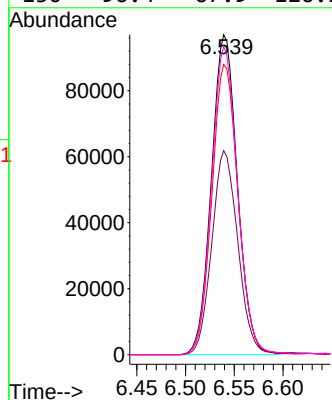
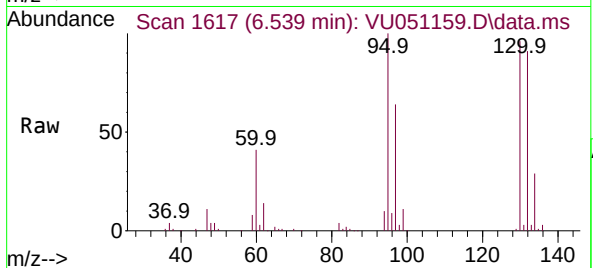
Ion Ratio Lower Upper

95 100

97 63.7 45.9 85.3

132 90.7 64.0 119.0

130 96.4 67.9 126.1



#35

Methylcyclohexane

Concen: 50.034 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

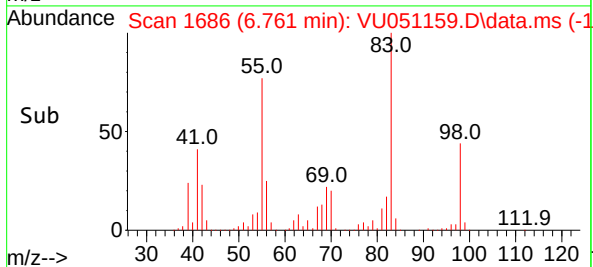
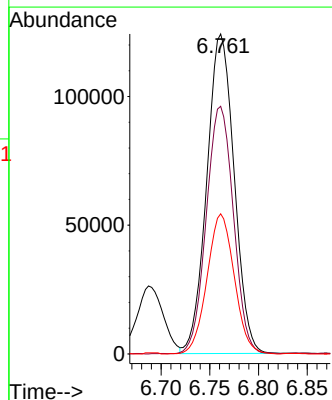
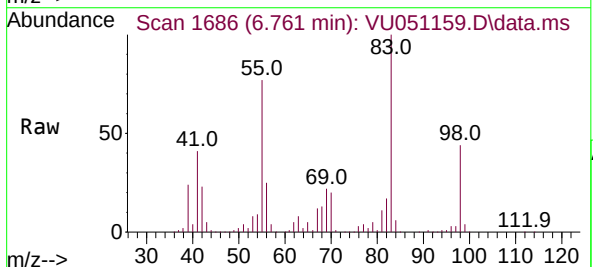
Tgt Ion: 83 Resp: 242730

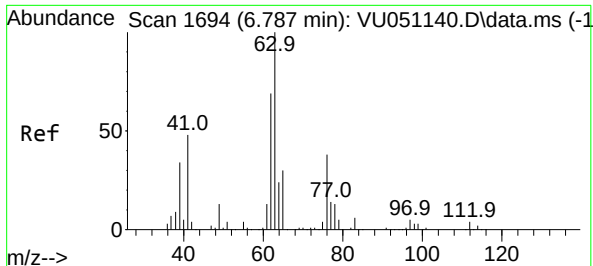
Ion Ratio Lower Upper

83 100

55 76.8 59.3 88.9

98 43.5 36.0 54.0





#37

1,2-Dichloropropane

Concen: 58.835 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

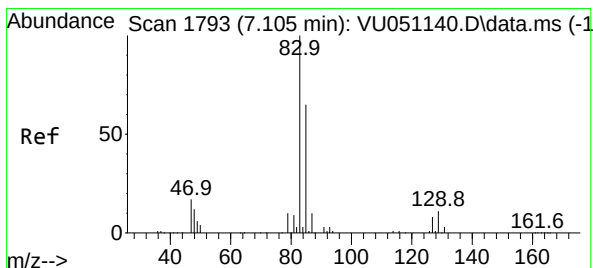
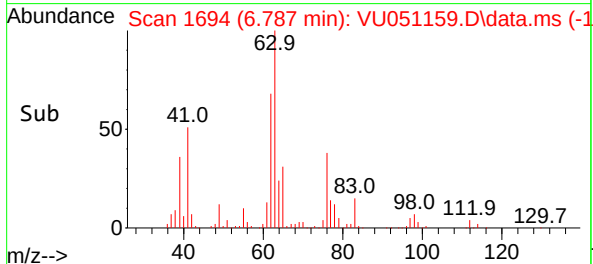
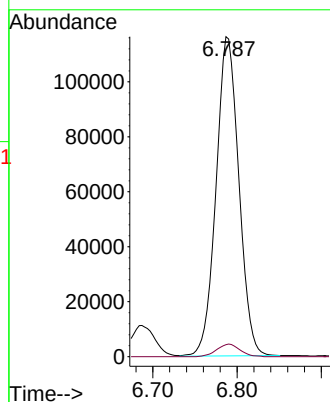
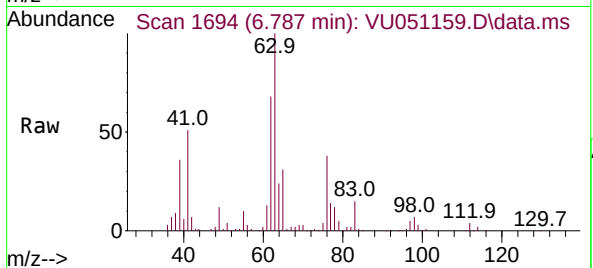
ClientSampleId :

Tgt Ion: 63 Resp: 218033

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 54.156 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

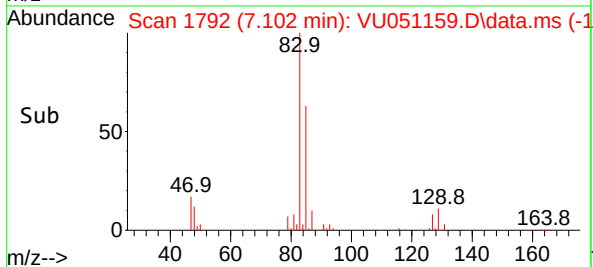
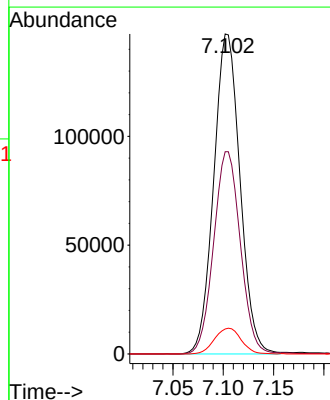
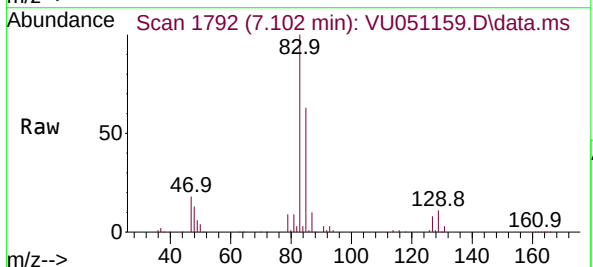
Tgt Ion: 83 Resp: 267834

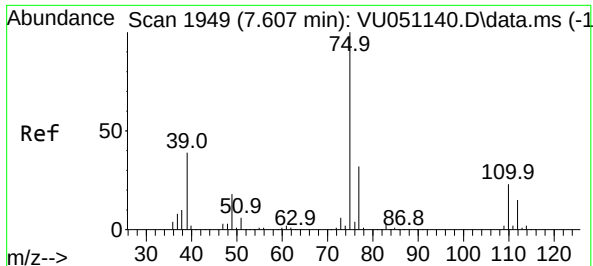
Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.7

127 7.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 45.756 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

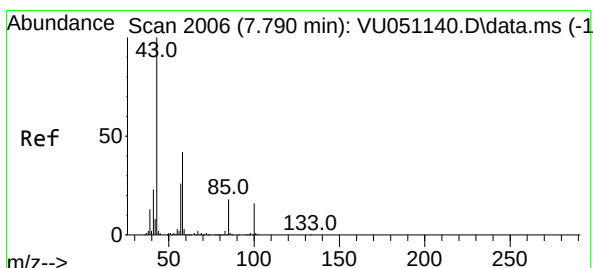
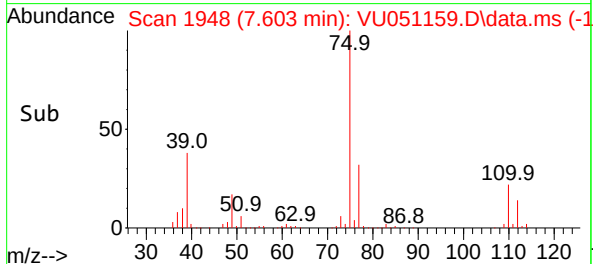
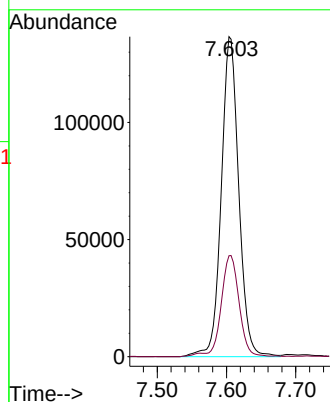
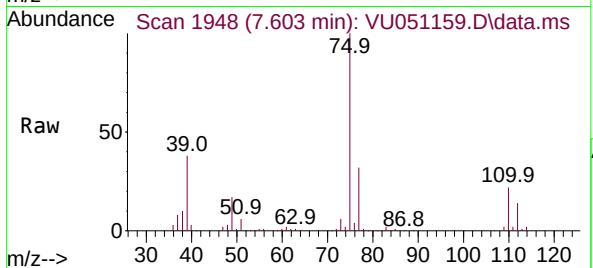
ClientSampleId :

Tgt Ion: 75 Resp: 240144

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 118.246 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

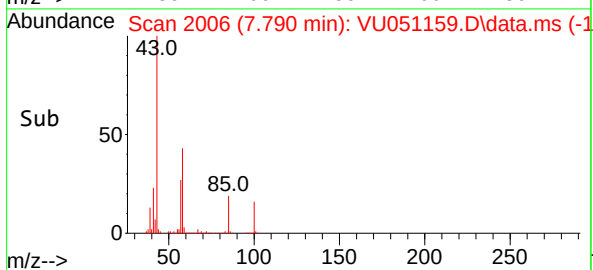
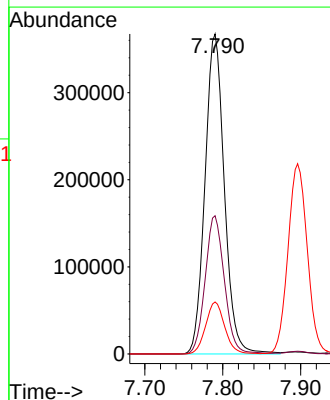
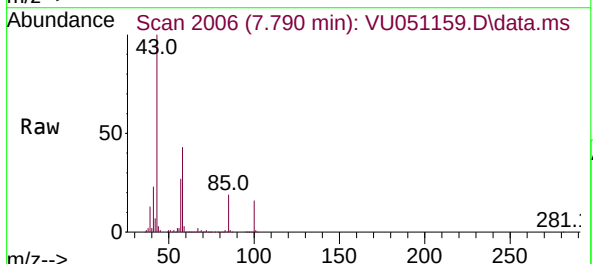
Tgt Ion: 43 Resp: 634604

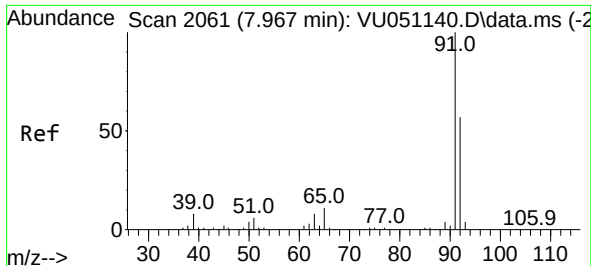
Ion Ratio Lower Upper

43 100

58 42.9 35.0 52.4

100 16.0 13.3 19.9





#42

Toluene

Concen: 67.266 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

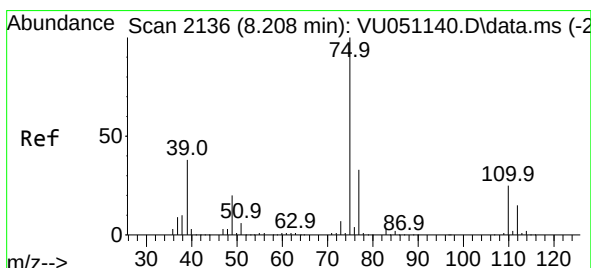
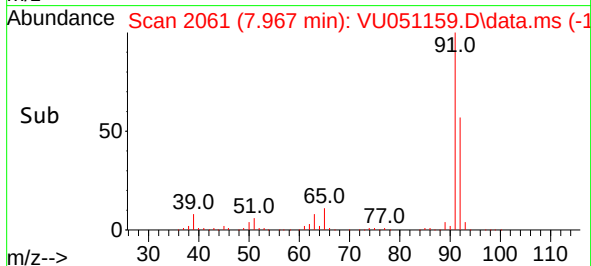
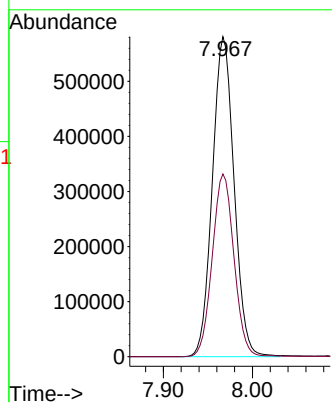
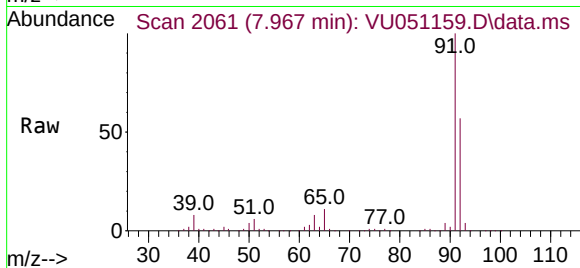
ClientSampleId :

Tgt Ion: 91 Resp: 984623

Ion Ratio Lower Upper

91 100

92 57.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 42.447 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051159.D

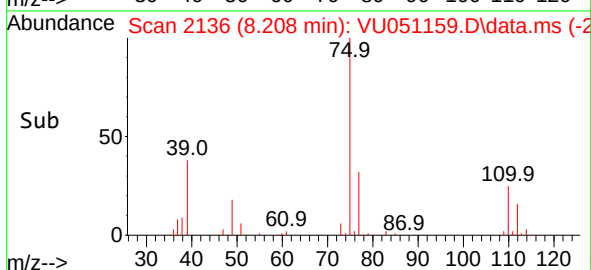
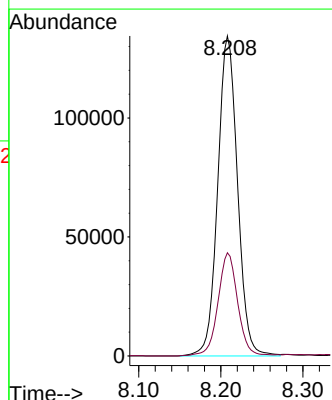
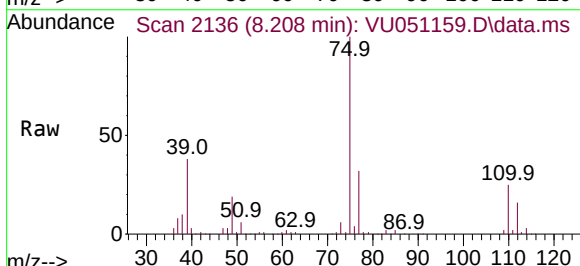
Acq: 06 Oct 2022 04:37

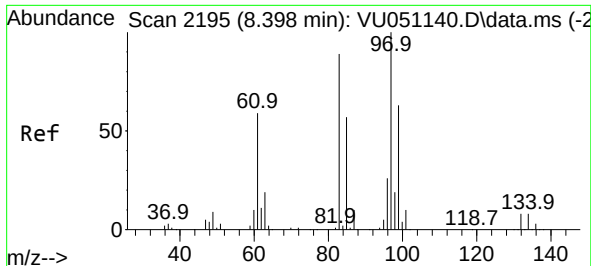
Tgt Ion: 75 Resp: 225248

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.3



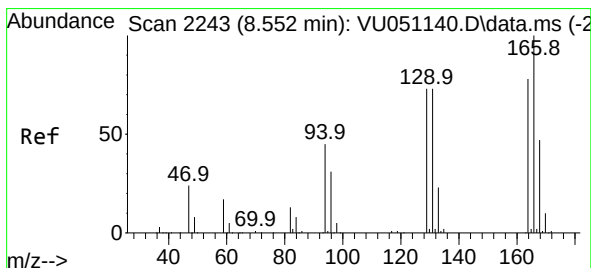
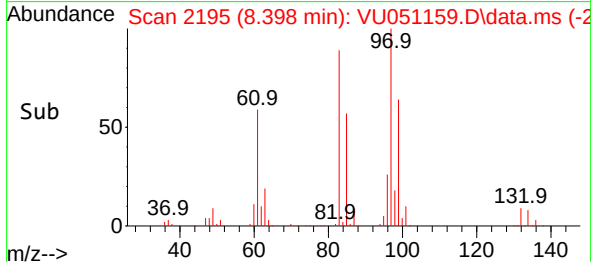
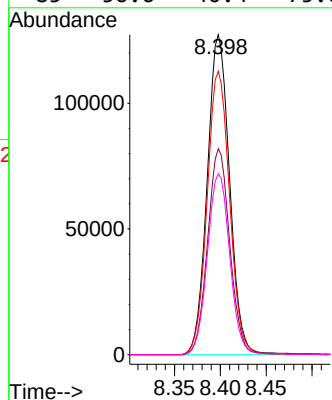
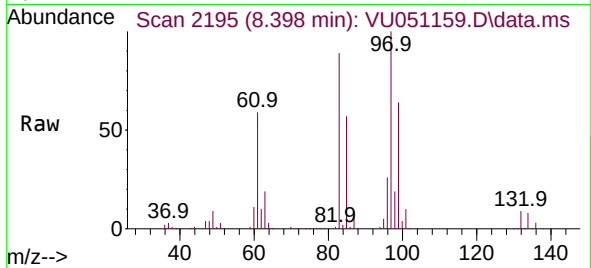


#45
1,1,2-Trichloroethane
Concen: 53.734 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 215694

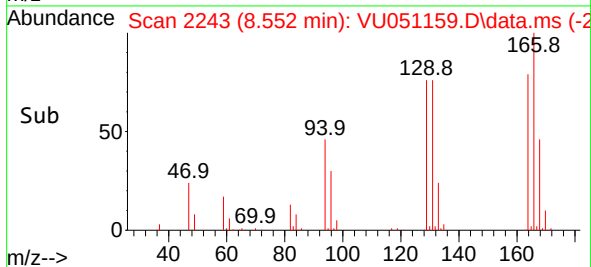
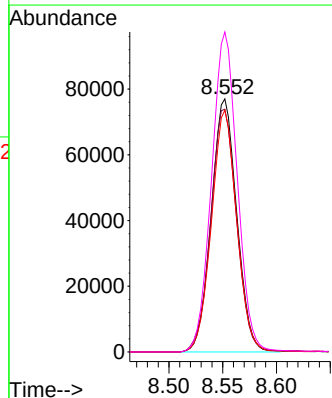
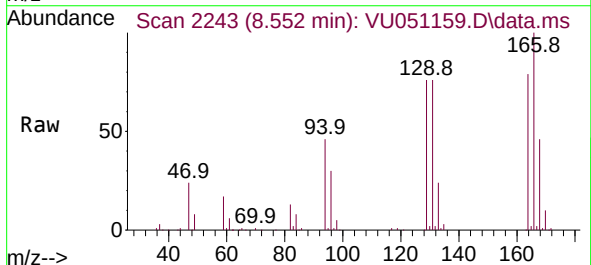
Ion	Ratio	Lower	Upper
97	100		
99	64.3	44.4	82.4
83	88.5	61.7	114.5
85	56.6	40.4	75.0

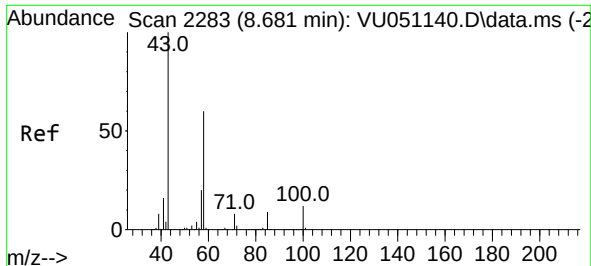


#46
Tetrachloroethene
Concen: 46.944 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion: 164 Resp: 126805

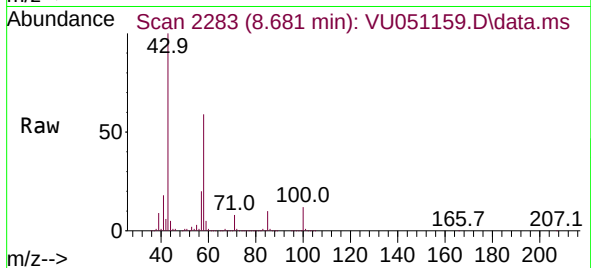
Ion	Ratio	Lower	Upper
164	100		
129	95.9	68.1	126.5
131	95.6	67.8	126.0
166	126.5	90.5	168.1



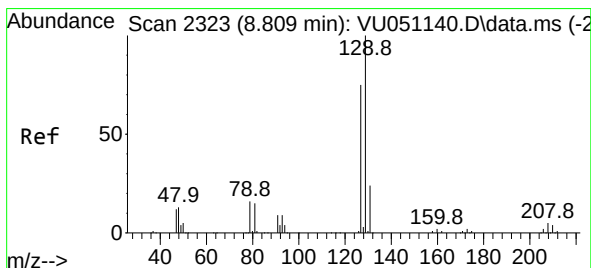
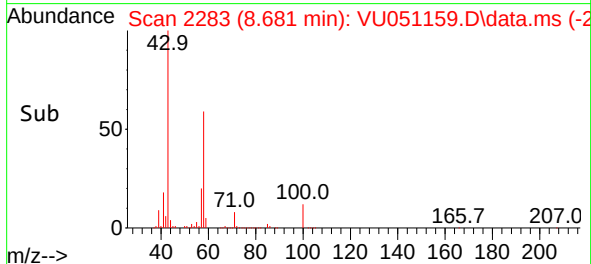
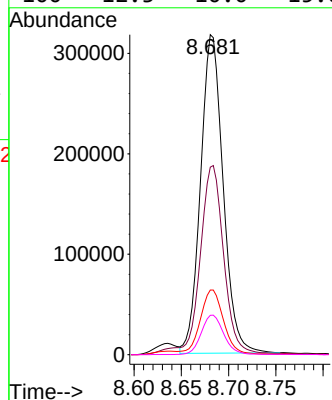


#48
2-Hexanone
Concen: 108.211 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Instrument :
MSVOA_U
ClientSampleId :

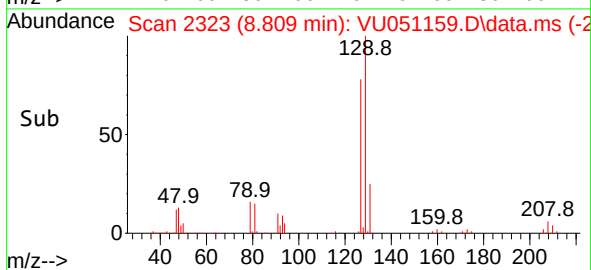
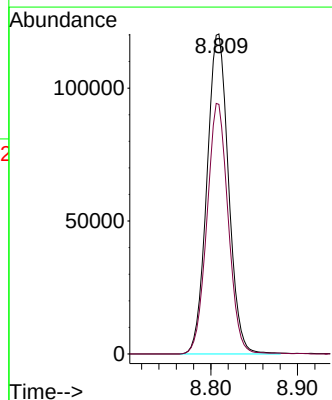
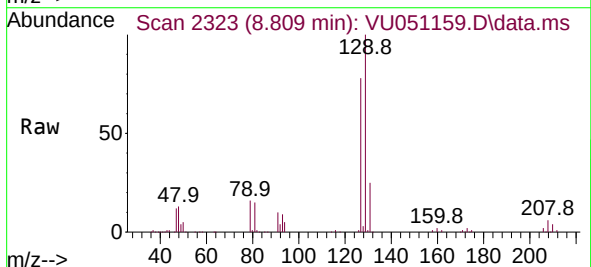


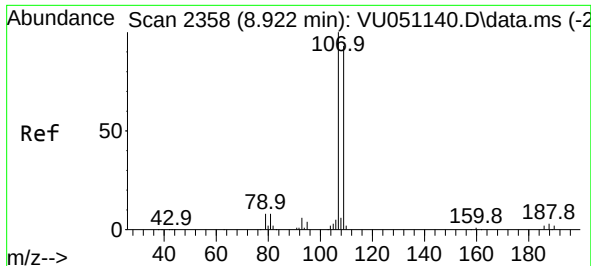
Tgt Ion: 43 Resp: 527492
Ion Ratio Lower Upper
43 100
58 60.8 48.3 72.5
57 20.5 15.9 23.9
100 12.3 10.0 15.0



#49
Dibromochloromethane
Concen: 49.389 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion: 129 Resp: 208438
Ion Ratio Lower Upper
129 100
127 78.0 52.8 98.0





#50

1,2-Dibromoethane

Concen: 50.851 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

ClientSampleId :

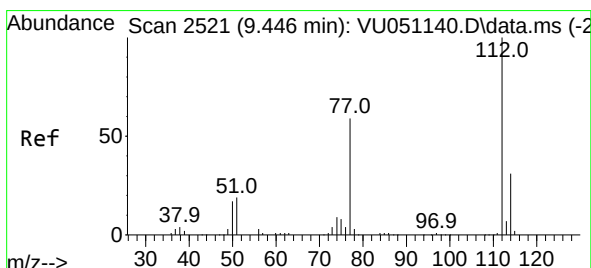
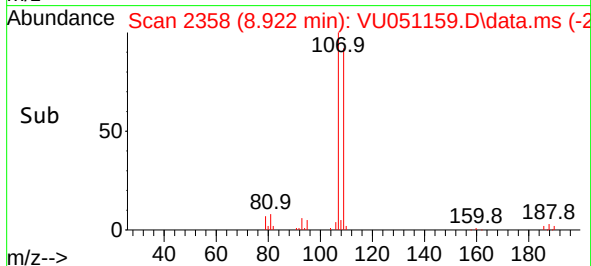
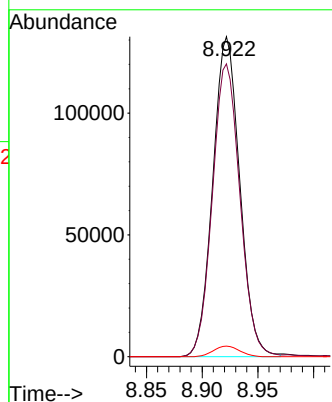
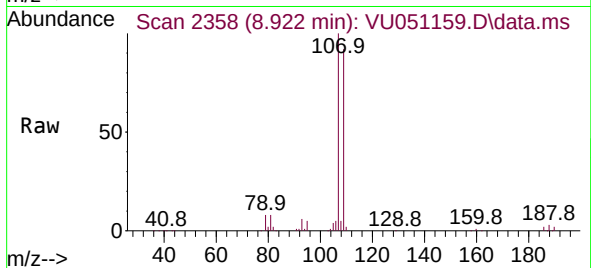
Tgt Ion:107 Resp: 221310

Ion Ratio Lower Upper

107 100

109 91.5 64.1 119.1

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 51.082 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

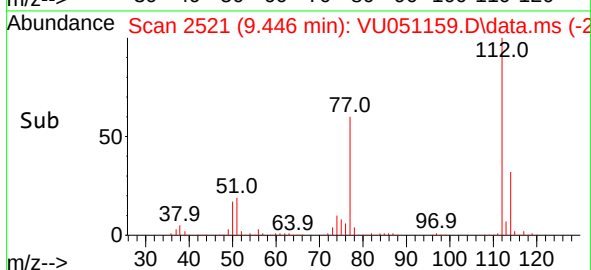
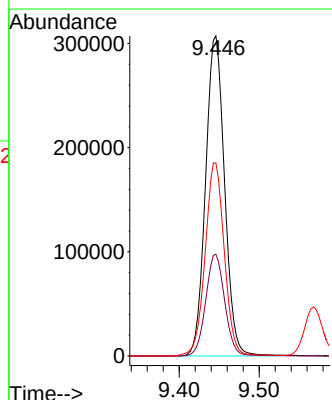
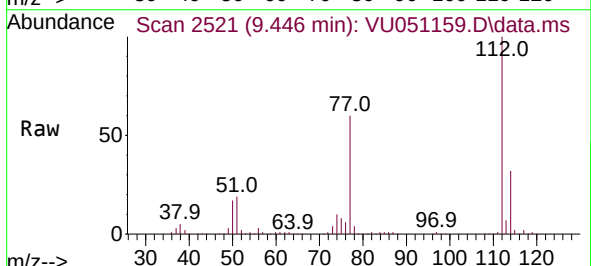
Tgt Ion:112 Resp: 508483

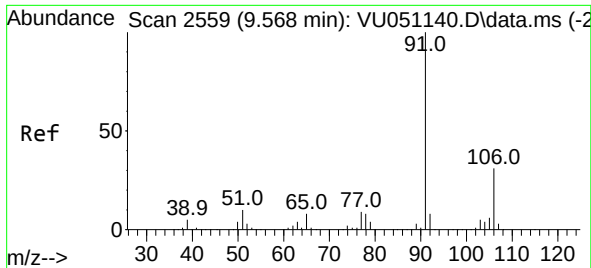
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 60.4 48.2 72.2

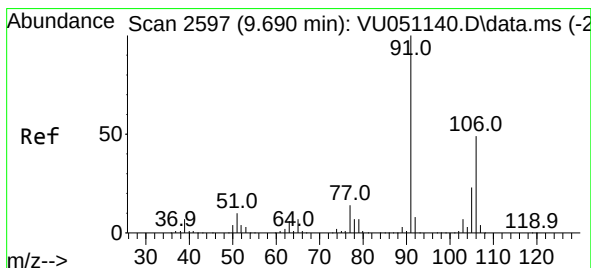
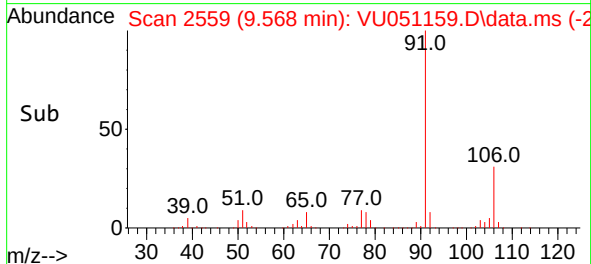
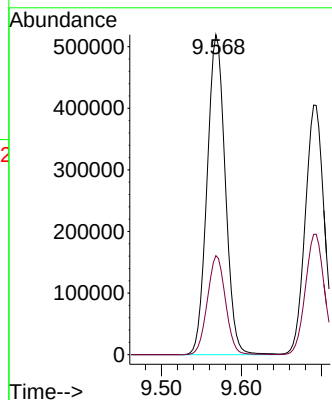
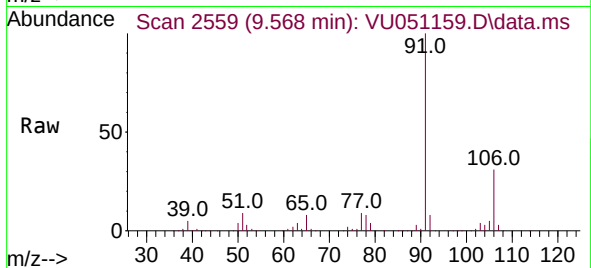




#52
Ethylbenzene
Concen: 52.703 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

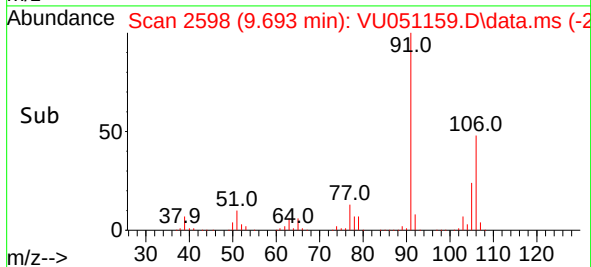
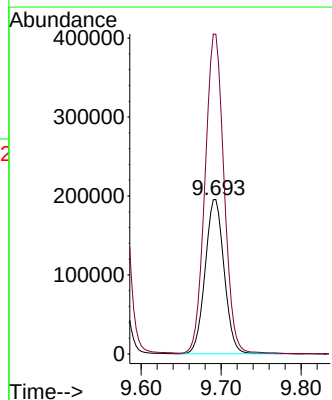
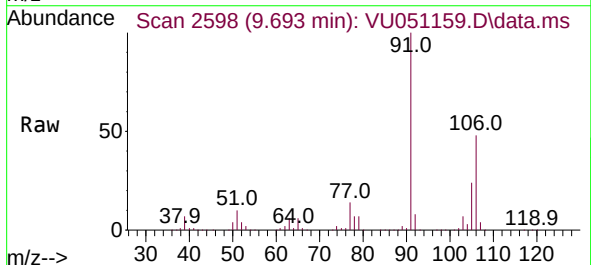
Instrument :
MSVOA_U
ClientSampleId :

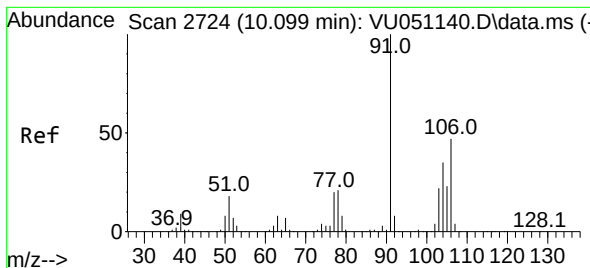
Tgt Ion: 91 Resp: 822875
Ion Ratio Lower Upper
91 100
106 30.9 21.7 40.3



#53
m,p-Xylene
Concen: 54.900 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion: 106 Resp: 322338
Ion Ratio Lower Upper
106 100
91 207.0 141.9 263.5





#54

o-Xylene

Concen: 54.708 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. -0.000 min

Lab File: VU051159.D

Acq: 06 Oct 2022 04:37

Instrument :

MSVOA_U

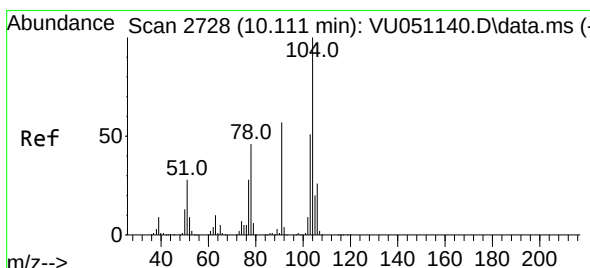
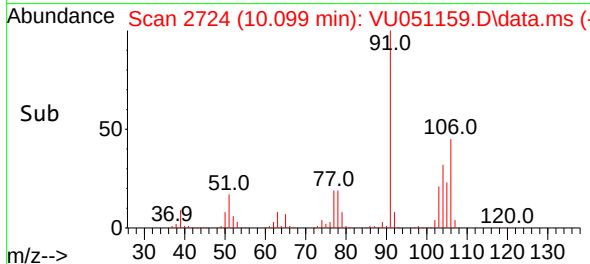
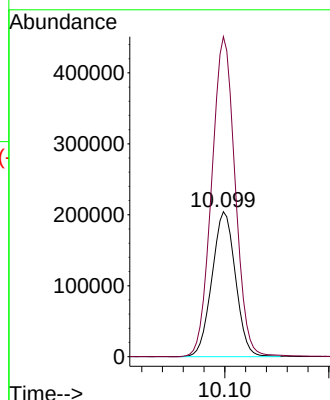
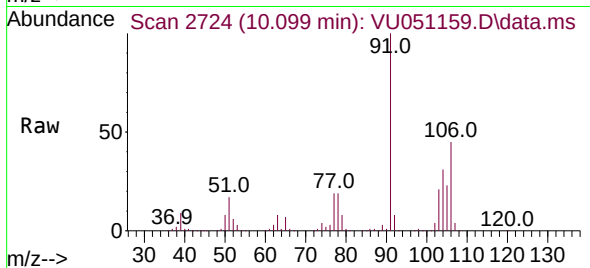
ClientSampleId :

Tgt Ion:106 Resp: 321061

Ion Ratio Lower Upper

106 100

91 220.8 152.4 283.0



#55

Styrene

Concen: 53.821 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU051159.D

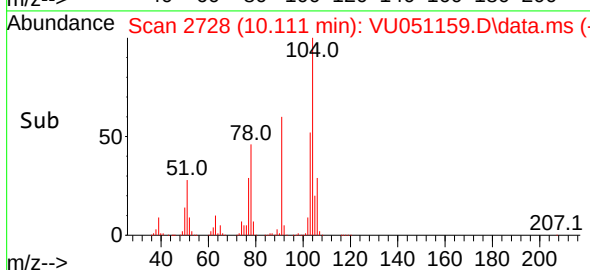
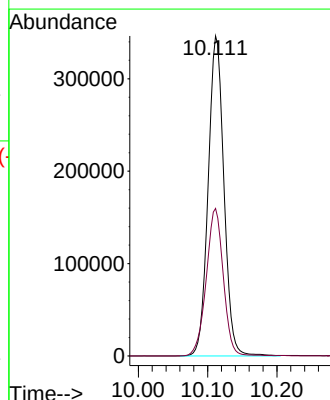
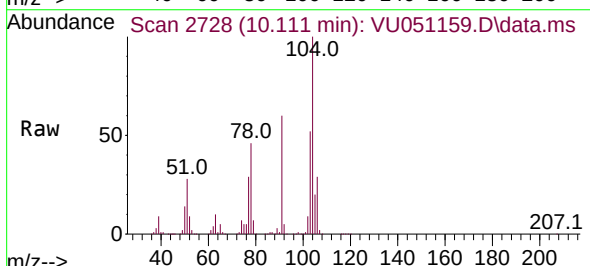
Acq: 06 Oct 2022 04:37

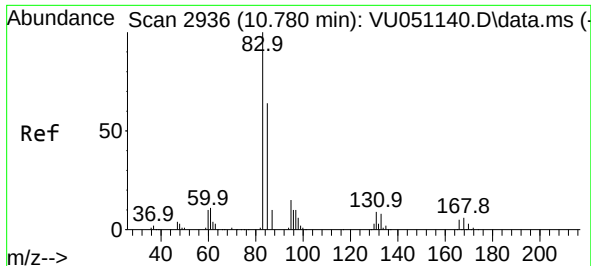
Tgt Ion:104 Resp: 545909

Ion Ratio Lower Upper

104 100

78 46.1 31.0 57.6

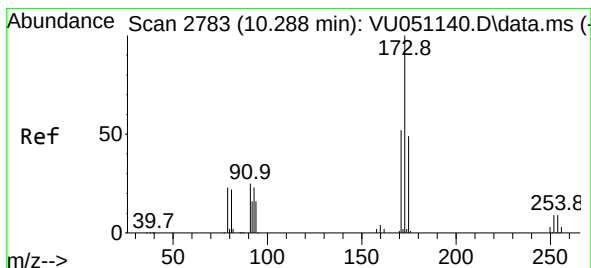
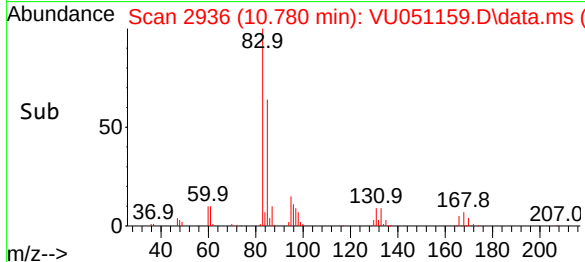
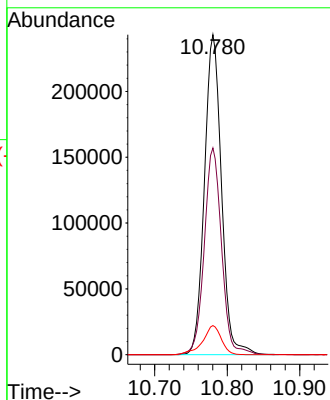
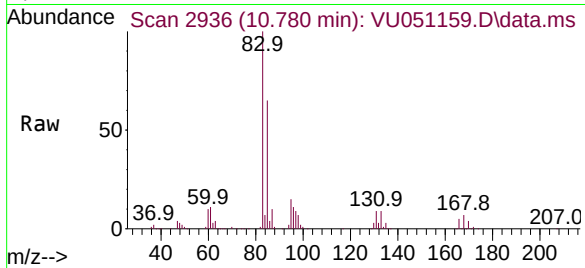




#57
1,1,2,2-Tetrachloroethane
Concen: 55.802 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

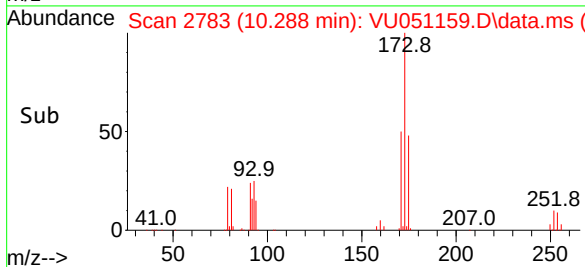
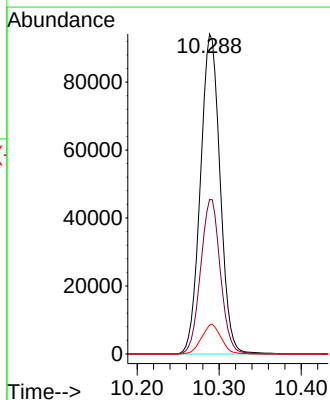
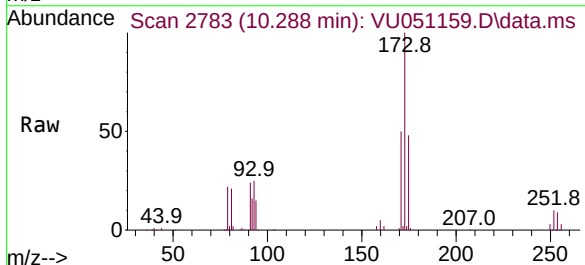
Instrument :
MSVOA_U
ClientSampleId :

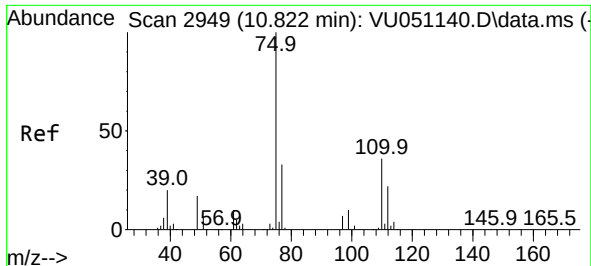
Tgt Ion: 83 Resp: 396429
Ion Ratio Lower Upper
83 100
85 64.6 44.7 83.1
131 9.1 7.0 10.4



#59
Bromoform
Concen: 48.373 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion: 173 Resp: 156550
Ion Ratio Lower Upper
173 100
175 48.5 39.4 59.0
254 9.2 7.4 11.0

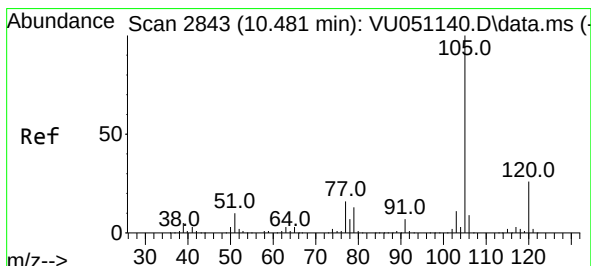
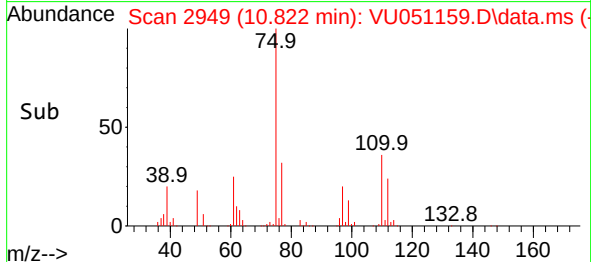
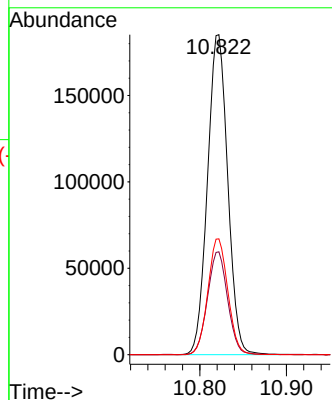
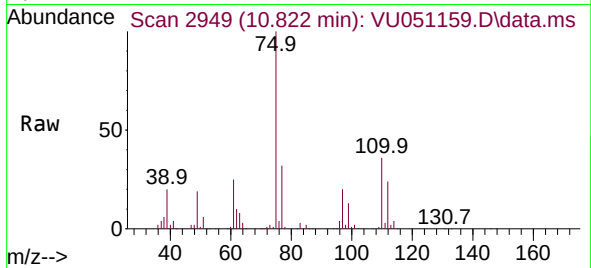




#60
1,2,3-Trichloropropane
Concen: 51.992 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

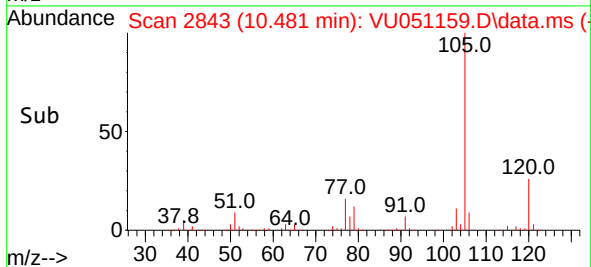
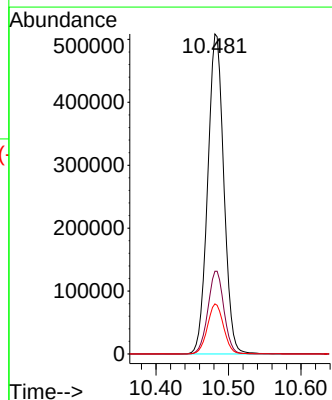
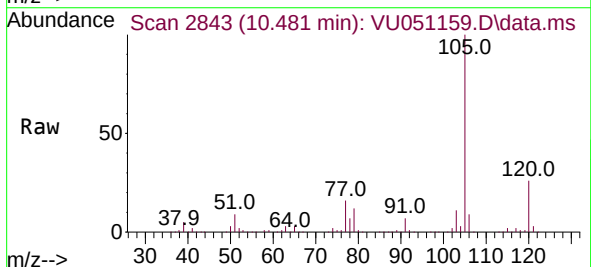
Instrument :
MSVOA_U
ClientSampleId :

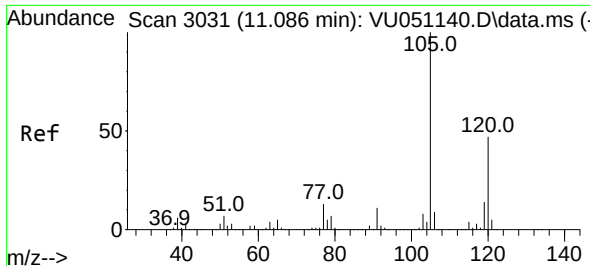
Tgt Ion: 75 Resp: 300944
Ion Ratio Lower Upper
75 100
77 32.1 26.1 39.1
110 35.7 30.0 45.0



#61
Isopropylbenzene
Concen: 54.811 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion: 105 Resp: 783171
Ion Ratio Lower Upper
105 100
120 25.8 21.1 31.7
77 15.8 12.8 19.2

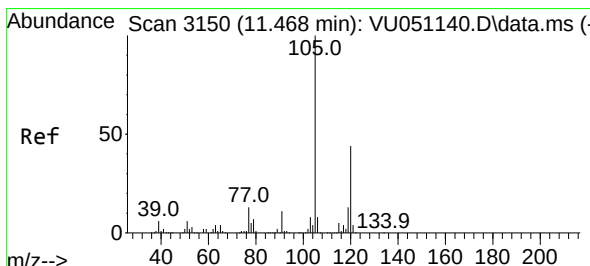
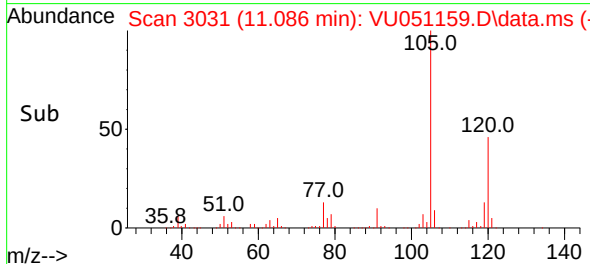
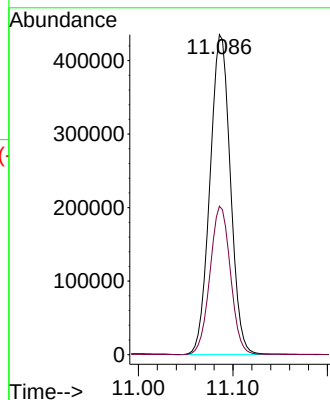
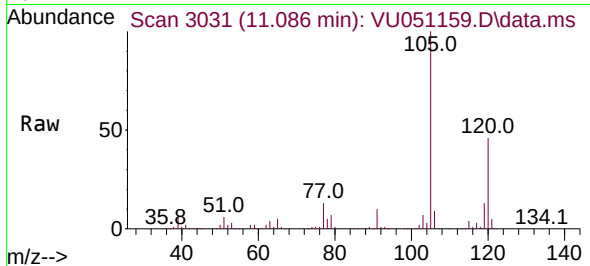




#62
 1,3,5-Trimethylbenzene
 Concen: 55.848 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051159.D
 Acq: 06 Oct 2022 04:37

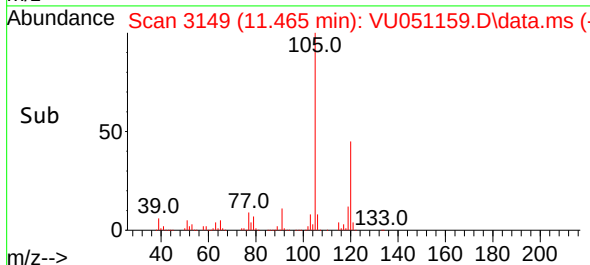
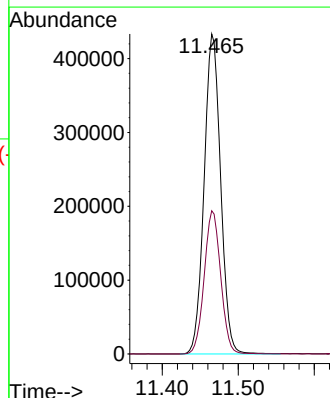
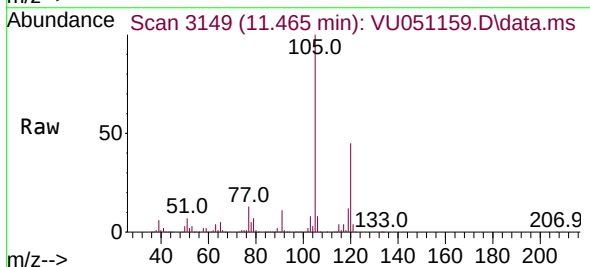
Instrument :
 MSVOA_U
 ClientSampleId :

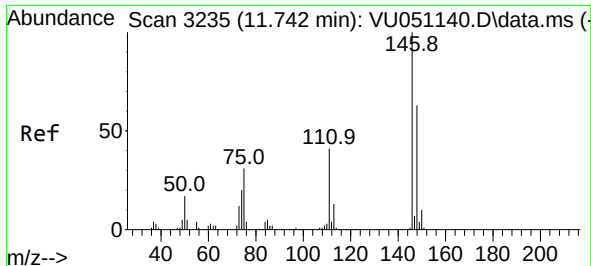
Tgt Ion:105 Resp: 652524
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 55.856 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051159.D
 Acq: 06 Oct 2022 04:37

Tgt Ion:105 Resp: 654083
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.5 53.3

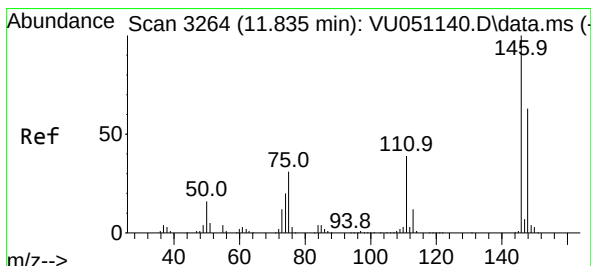
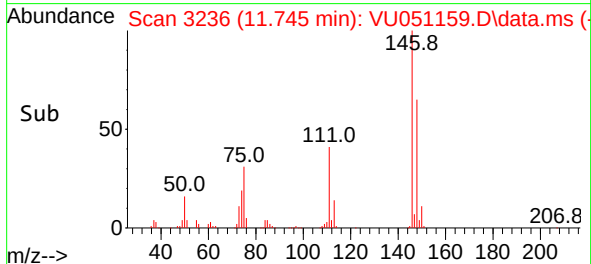
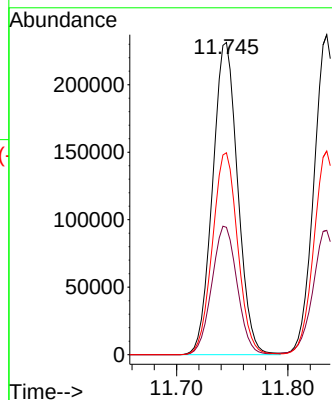
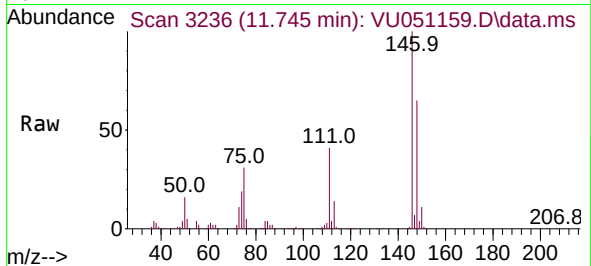




#64
1,3-Dichlorobenzene
Concen: 49.284 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

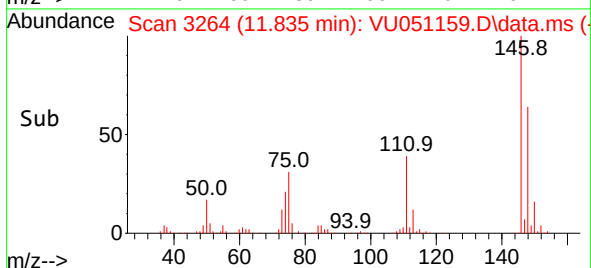
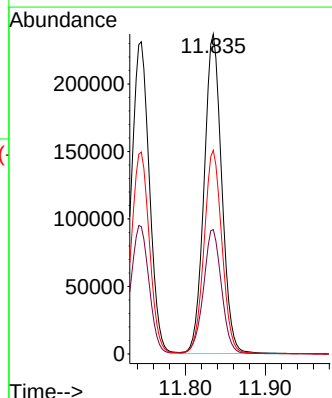
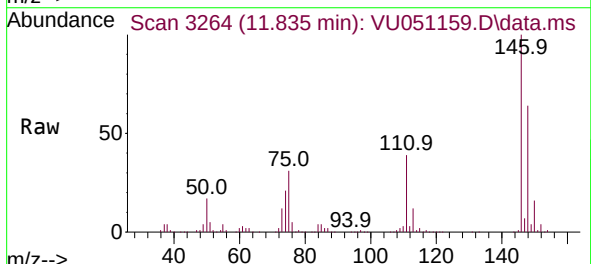
Instrument :
MSVOA_U
ClientSampleId :

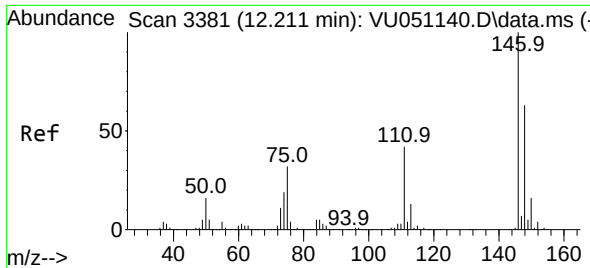
Tgt Ion:146 Resp: 363030
Ion Ratio Lower Upper
146 100
111 40.8 28.2 52.4
148 64.7 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 49.380 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion:146 Resp: 363595
Ion Ratio Lower Upper
146 100
111 38.8 27.0 50.2
148 63.6 45.1 83.9

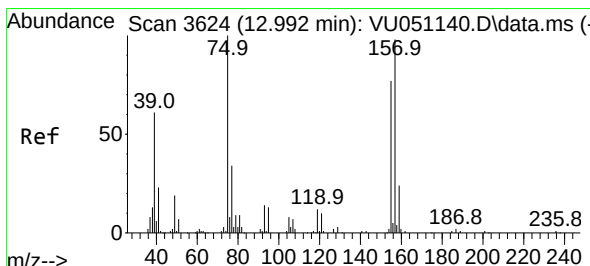
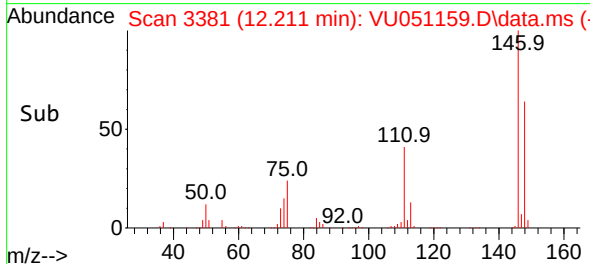
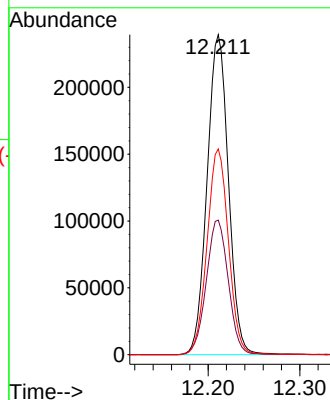
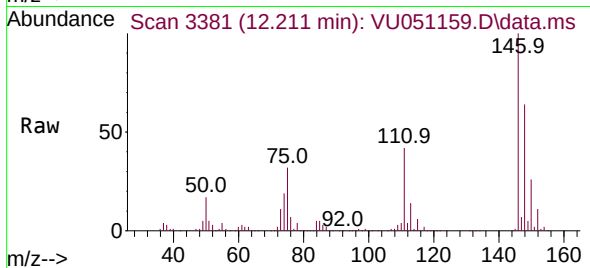




#67
1,2-Dichlorobenzene
Concen: 51.119 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

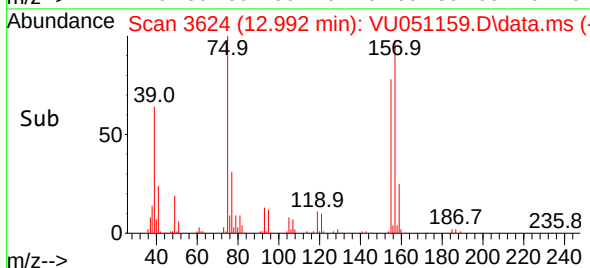
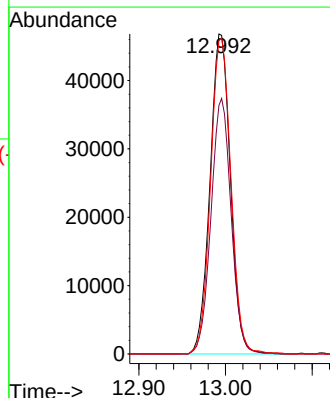
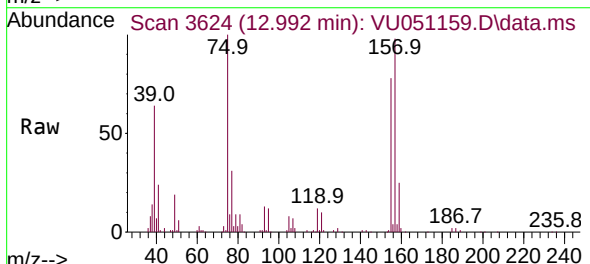
Instrument :
MSVOA_U
ClientSampleId :

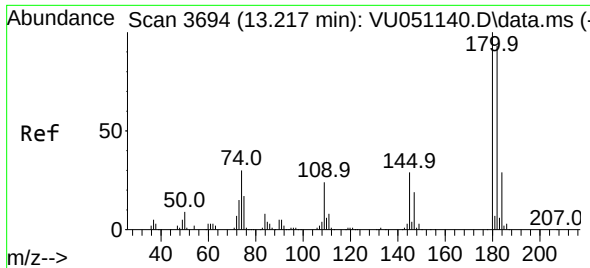
Tgt Ion:146 Resp: 386872
Ion Ratio Lower Upper
146 100
111 42.1 33.7 50.5
148 64.3 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 45.360 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

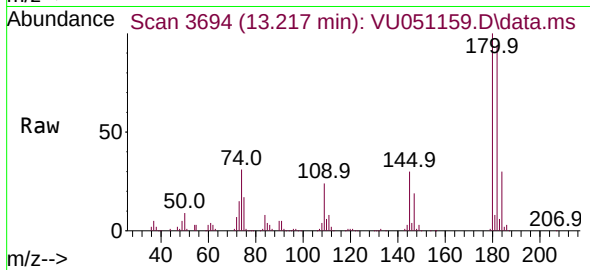
Tgt Ion: 75 Resp: 76619
Ion Ratio Lower Upper
75 100
155 77.6 64.4 96.6
157 97.9 82.2 123.2



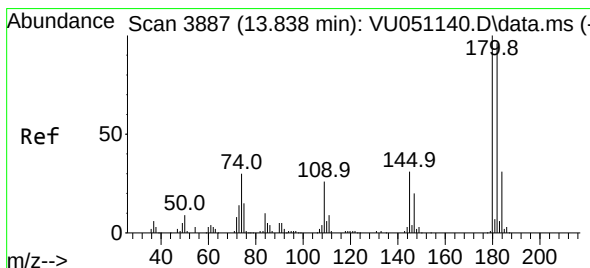
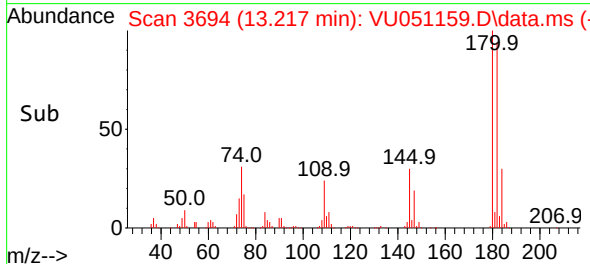
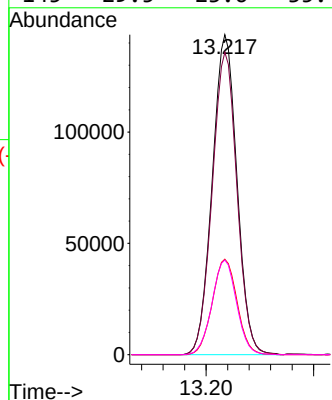


#69
 1,3,5-Trichlorobenzene
 Concen: 45.719 ug/L
 RT: 13.217 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VU051159.D
 Acq: 06 Oct 2022 04:37

Instrument :
 MSVOA_U
 ClientSampleId :

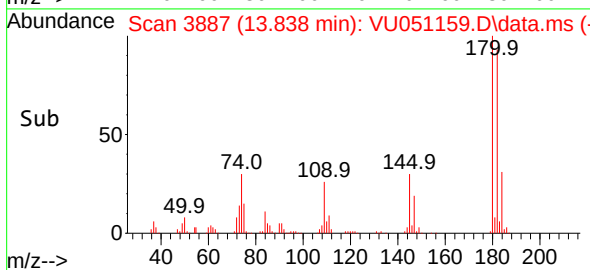
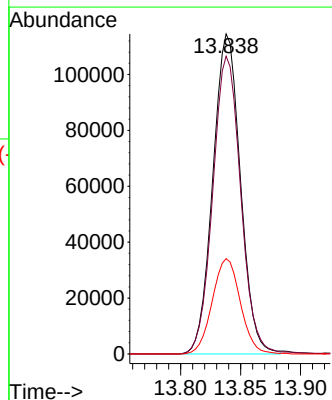
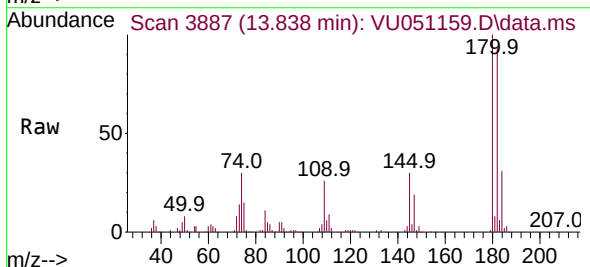


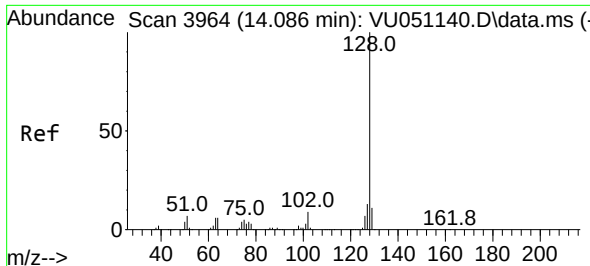
Tgt Ion:180 Resp: 228372
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.0 115.4
 184 30.1 24.4 36.6
 145 29.5 23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 44.741 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051159.D
 Acq: 06 Oct 2022 04:37

Tgt Ion:180 Resp: 182855
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.9 113.9
 145 30.4 24.0 36.0

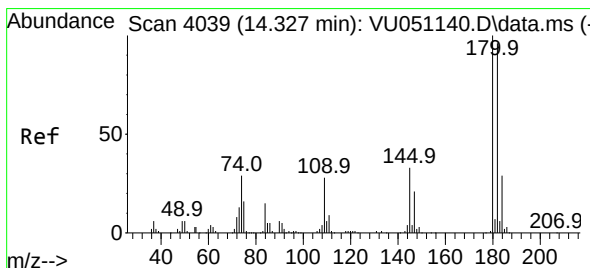
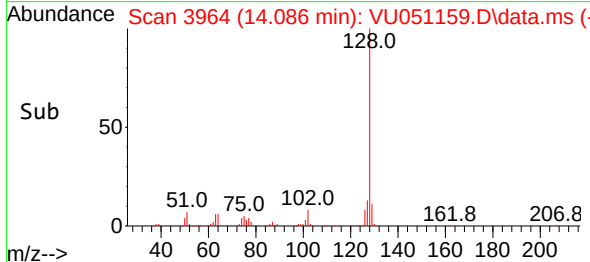
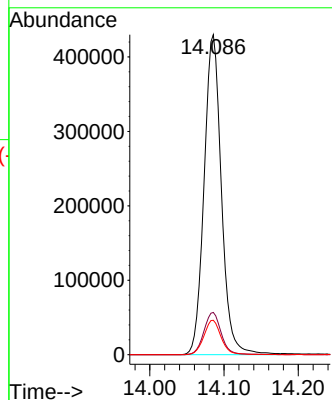
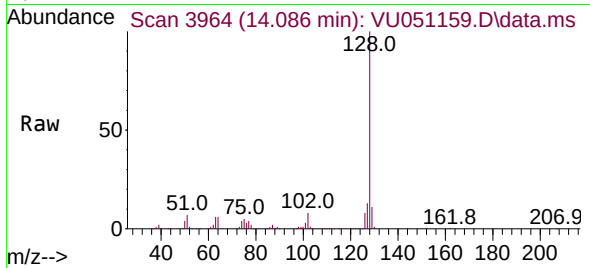




#71
Naphthalene
Concen: 47.571 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 695863
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 47.059 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051159.D
Acq: 06 Oct 2022 04:37

Tgt Ion:180 Resp: 214613
Ion Ratio Lower Upper
180 100
182 95.1 76.0 114.0
145 32.5 26.1 39.1

