

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092922\
 Data File : VU050984.D
 Acq On : 29 Sep 2022 16:55
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 01:36:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 30 01:30:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	397803	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	394159	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	216593	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	183430	45.499	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.000%
7) Chloroethane-d5	1.909	69	151491	40.452	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.900%
11) 1,1-Dichloroethene-d2	2.568	63	268848	45.145	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.300%
21) 2-Butanone-d5	4.620	46	250537	95.815	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.820%
24) Chloroform-d	5.060	84	299306	46.081	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.160%
26) 1,2-Dichloroethane-d4	5.700	65	177394	44.124	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.240%
32) Benzene-d6	5.726	84	598396	51.843	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	189391	50.566	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.140%
41) Toluene-d8	7.896	98	562414	52.738	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.480%
43) trans-1,3-Dichloroprop...	8.179	79	90863	50.862	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.720%
47) 2-Hexanone-d5	8.632	63	156388	103.408	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.410%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	321229	49.074	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.140%
66) 1,2-Dichlorobenzene-d4	12.192	152	216540	46.799	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	158823	47.612	ug/L	99
3) Chloromethane	1.520	50	176246	44.719	ug/L	100
5) Vinyl chloride	1.604	62	189236	45.242	ug/L	100
6) Bromomethane	1.851	94	150809	43.527	ug/L	97
8) Chloroethane	1.932	64	120417	39.205	ug/L	99
9) Trichlorofluoromethane	2.137	101	251792	44.770	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	138489	45.602	ug/L	100
12) 1,1-Dichloroethene	2.581	96	128025	45.130	ug/L	90
13) Acetone	2.626	43	168326	80.616	ug/L	98
14) Carbon disulfide	2.793	76	384915	45.902	ug/L	100
15) Methyl Acetate	2.948	43	177402	46.537	ug/L	99
16) Methylene chloride	3.044	84	161651	39.695	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	139123	46.098	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	446219	48.653	ug/L	100
19) 1,1-Dichloroethane	3.867	63	268685	46.868	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	160909	47.751	ug/L	99
22) 2-Butanone	4.700	43	271474	94.103	ug/L	98
23) Bromochloromethane	4.973	128	85925	46.538	ug/L	97
25) Chloroform	5.086	83	284225	45.581	ug/L	99
27) 1,2-Dichloroethane	5.793	62	218961	45.839	ug/L	99

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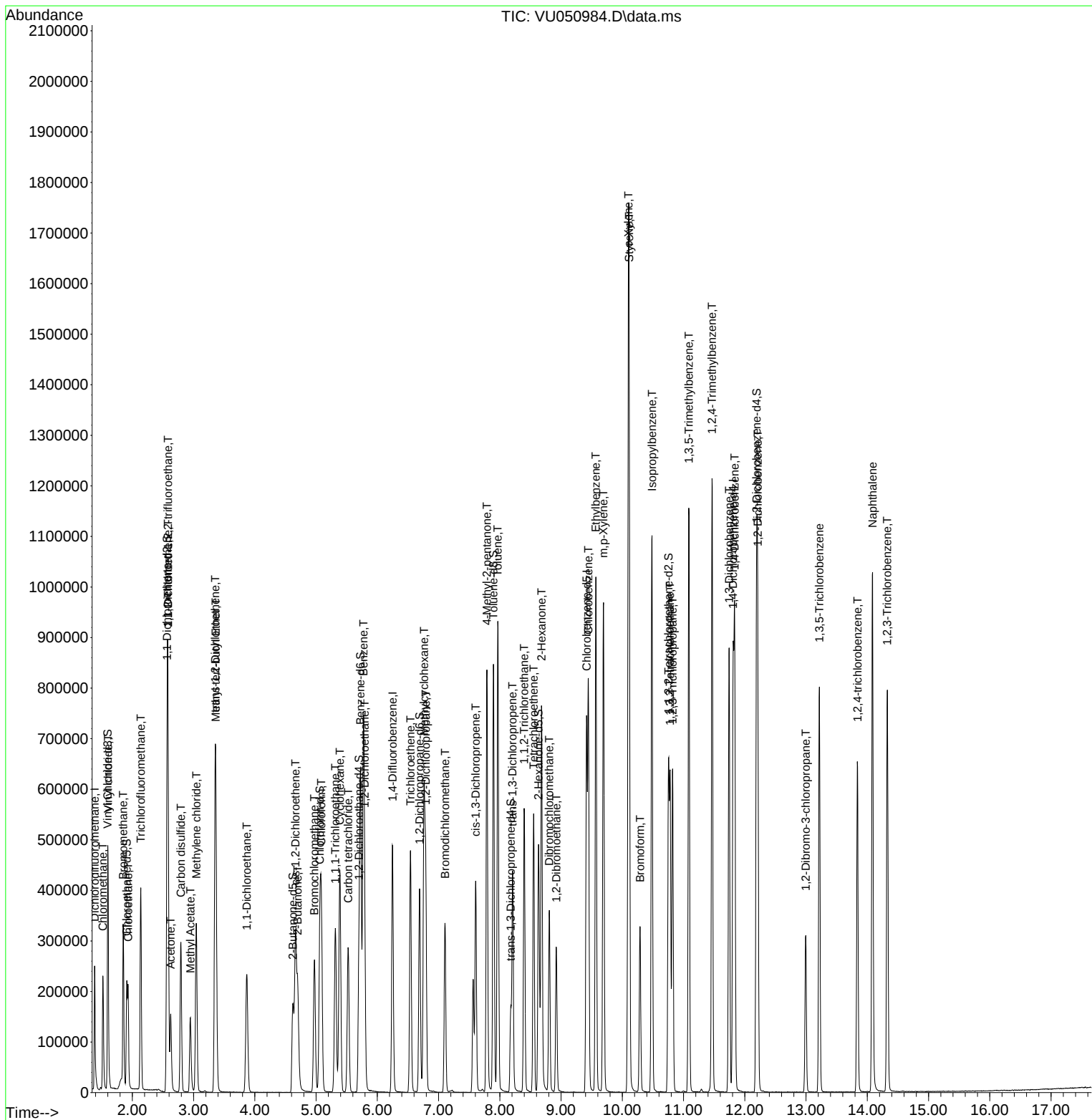
Instrument :
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 ClientSampleId :

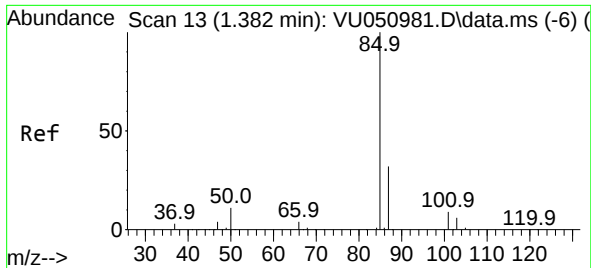
Quant Time: Sep 30 01:36:32 2022
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 30 01:30:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.388	56	208767	54.396	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	237087	51.288	ug/L	98
31) Carbon tetrachloride	5.523	117	193428	51.285	ug/L	99
33) Benzene	5.774	78	636483	52.967	ug/L	100
34) Trichloroethene	6.542	95	161526	51.897	ug/L	98
35) Methylcyclohexane	6.764	83	232279	54.833	ug/L	99
37) 1,2-Dichloropropane	6.790	63	169048	52.240	ug/L	100
38) Bromodichloromethane	7.105	83	217532	50.372	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	242286	52.868	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	499864	106.664	ug/L	100
42) Toluene	7.967	91	674414	52.764	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	242217	52.272	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	176029	50.220	ug/L	98
46) Tetrachloroethene	8.552	164	119256	50.560	ug/L	98
48) 2-Hexanone	8.681	43	450753	105.896	ug/L	99
49) Dibromochloromethane	8.809	129	186206	50.528	ug/L	99
50) 1,2-Dibromoethane	8.922	107	189332	49.820	ug/L	100
51) Chlorobenzene	9.446	112	424322	48.817	ug/L	98
52) Ethylbenzene	9.568	91	704340	51.662	ug/L	99
53) m,p-Xylene	9.693	106	278185	54.260	ug/L	99
54) o-Xylene	10.099	106	301602	58.855	ug/L	99
55) Styrene	10.111	104	514264	58.063	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	311555	50.223	ug/L	98
59) Bromoform	10.291	173	146768	46.054	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	261350	45.852	ug/L	100
61) Isopropylbenzene	10.484	105	710464	50.495	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	603971	52.495	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	649384	56.315	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	354710	48.902	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	357874	49.357	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	347416	46.618	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	77882	46.823	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	243311	49.466	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	203131	50.474	ug/L	99
71) Naphthalene	14.086	128	827944	57.479	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	246892	54.977	ug/L	99

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

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Response via : Initial Calibration

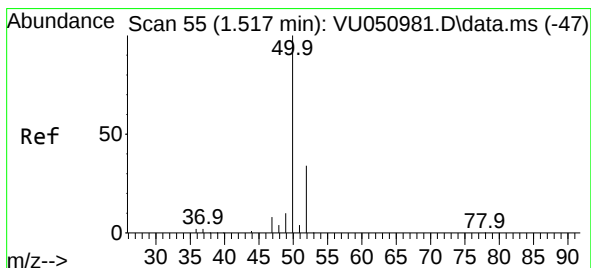
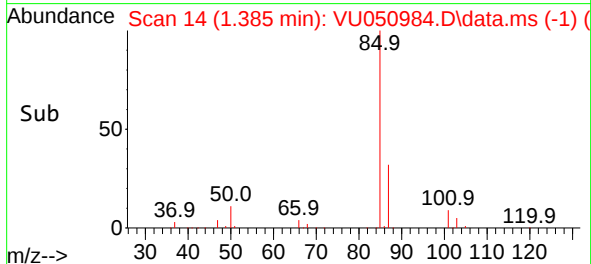
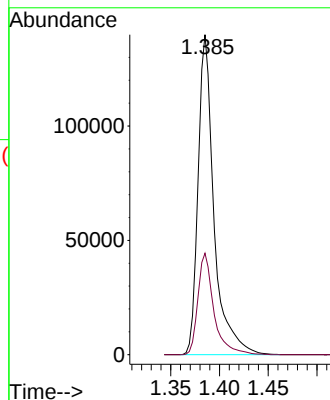
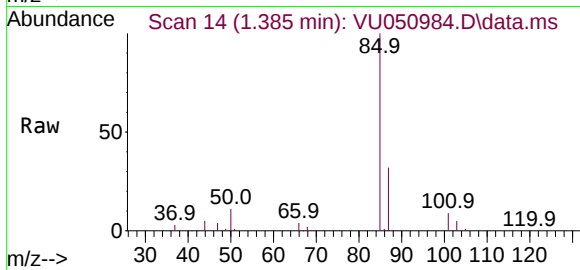




#2
 Dichlorodifluoromethane
 Concen: 47.612 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.003 min
 Lab File: VU050984.D
 Acq: 29 Sep 2022 16:55

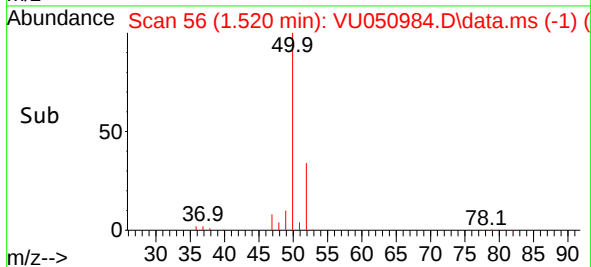
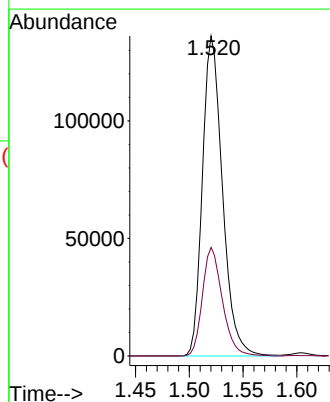
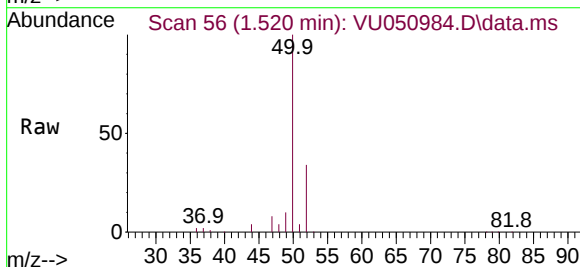
Instrument :
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 ClientSampleId :

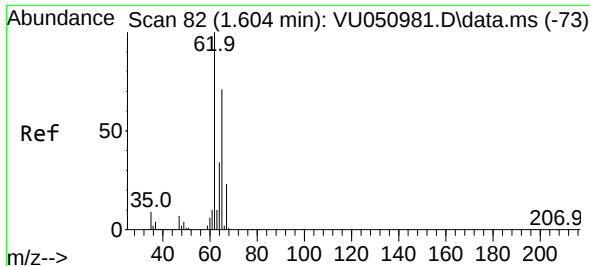
Tgt Ion: 85 Resp: 158823
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.9 38.9



#3
 Chloromethane
 Concen: 44.719 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VU050984.D
 Acq: 29 Sep 2022 16:55

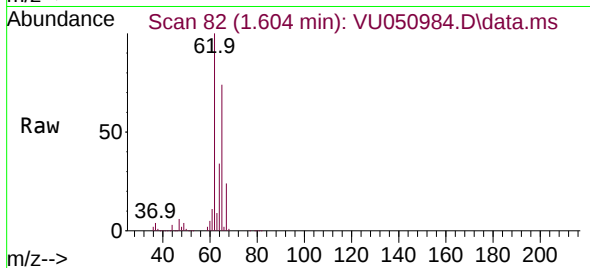
Tgt Ion: 50 Resp: 176246
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.7 44.1



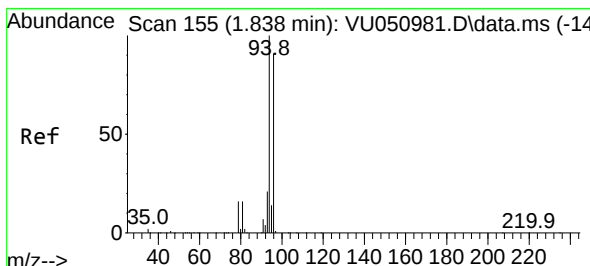
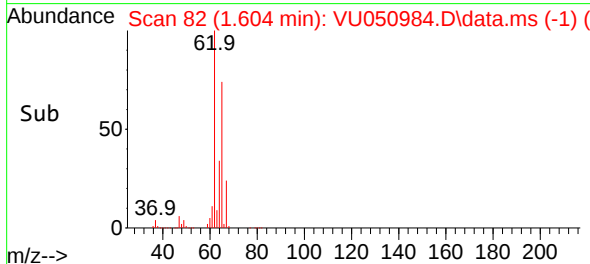
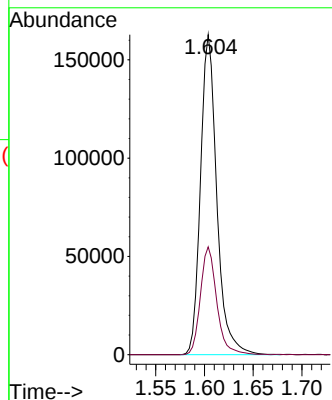


#5
 Vinyl chloride
 Concen: 45.242 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050984.D
 Acq: 29 Sep 2022 16:55

Instrument :
 MSVOA_U
 ClientSampleId :

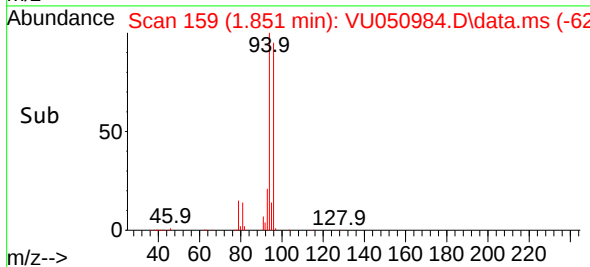
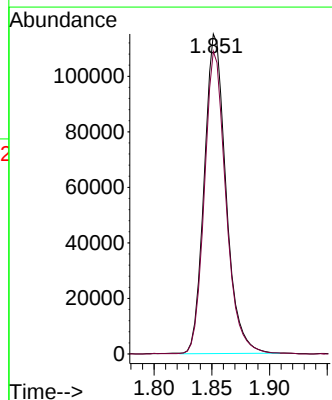
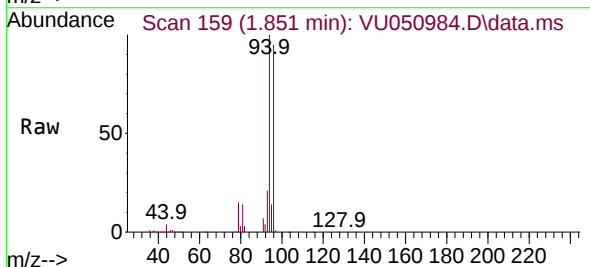


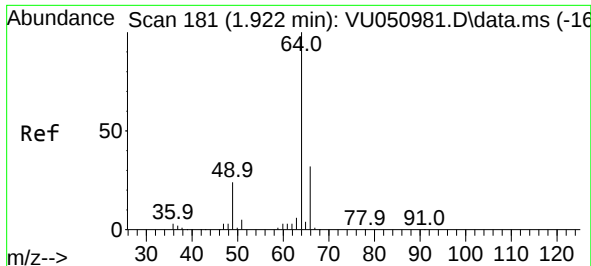
Tgt Ion: 62 Resp: 189236
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.5 43.7



#6
 Bromomethane
 Concen: 43.527 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.013 min
 Lab File: VU050984.D
 Acq: 29 Sep 2022 16:55

Tgt Ion: 94 Resp: 150809
 Ion Ratio Lower Upper
 94 100
 96 94.6 63.9 118.7

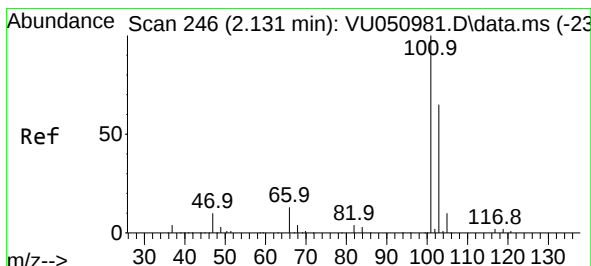
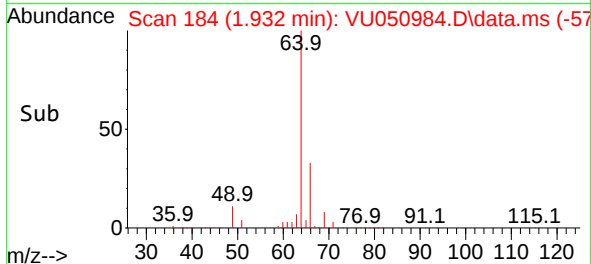
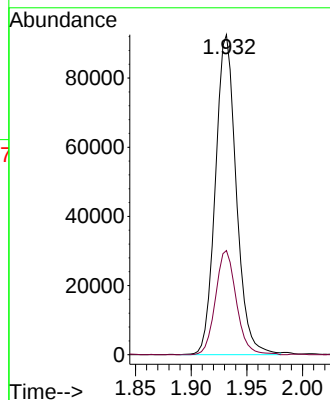
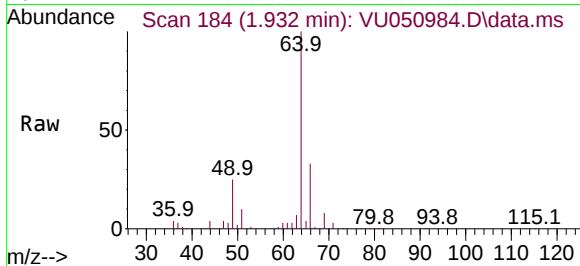




#8
Chloroethane
Concen: 39.205 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

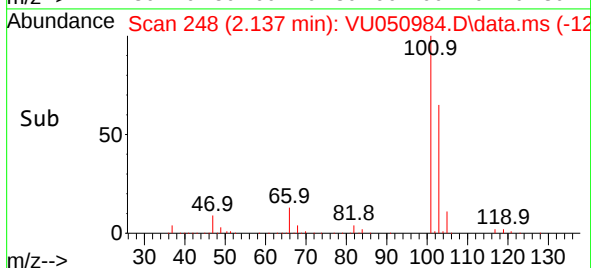
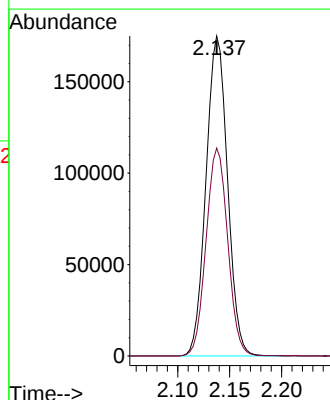
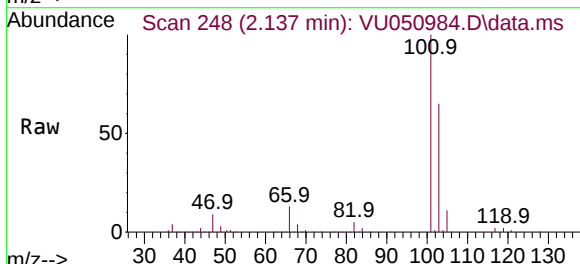
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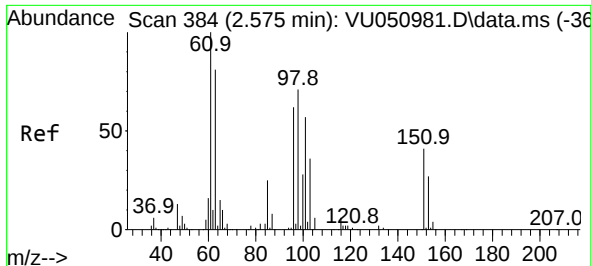
Tgt Ion: 64 Resp: 120417
Ion Ratio Lower Upper
64 100
66 32.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 44.770 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.006 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion:101 Resp: 251792
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.6

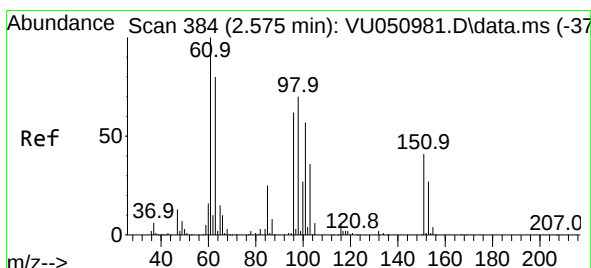
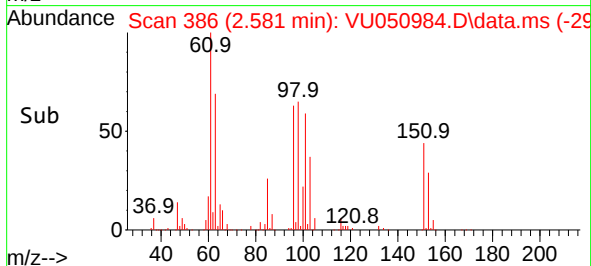
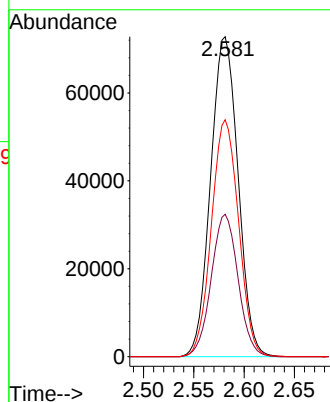
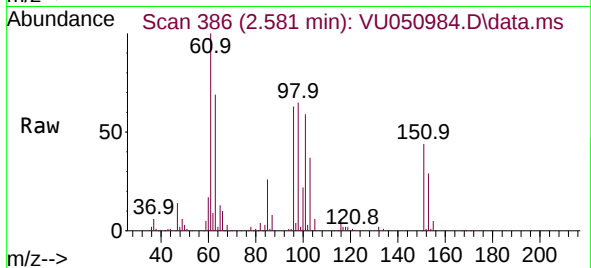




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.602 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.006 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

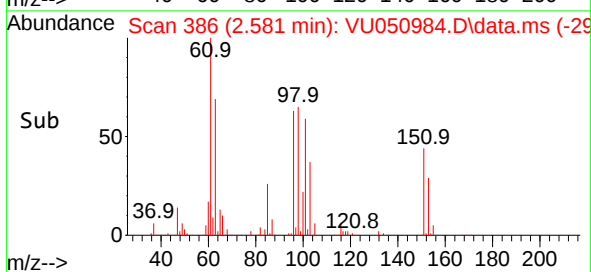
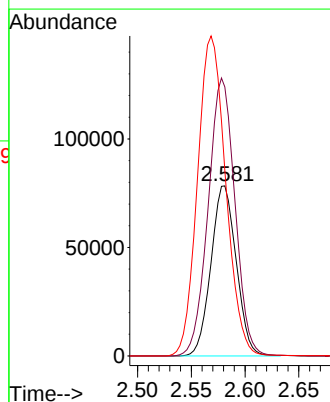
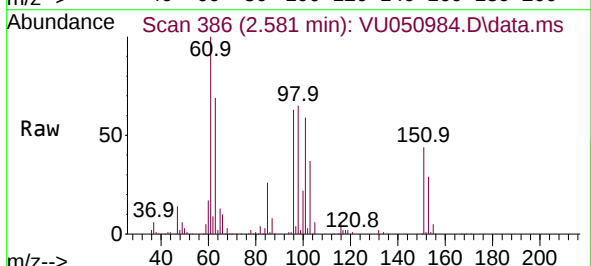
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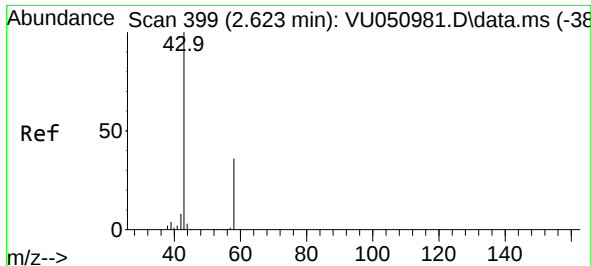
Tgt Ion:101 Resp: 138489
Ion Ratio Lower Upper
101 100
85 43.5 34.6 52.0
151 73.3 58.6 87.8



#12
1,1-Dichloroethene
Concen: 45.130 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.006 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion: 96 Resp: 128025
Ion Ratio Lower Upper
96 100
61 158.1 113.0 209.9
63 109.1 91.7 170.3





#13

Acetone

Concen: 80.616 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

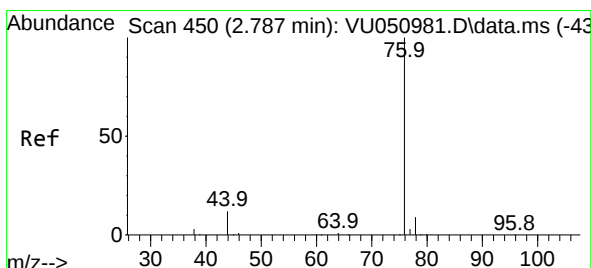
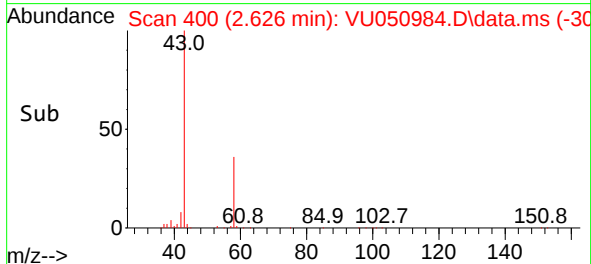
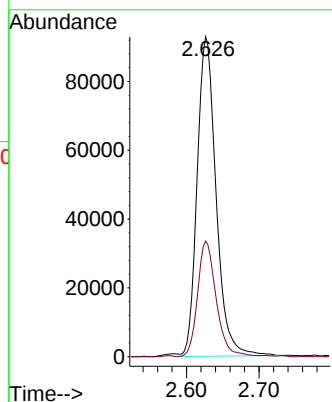
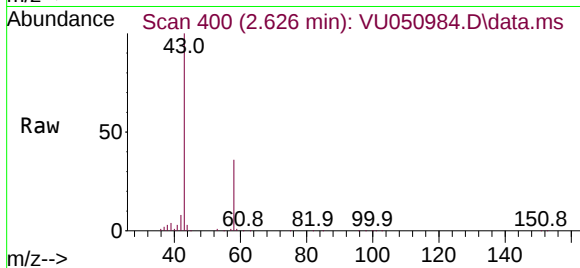
ClientSampleId :

Tgt Ion: 43 Resp: 168326

Ion Ratio Lower Upper

43 100

58 35.5 0.0 73.6



#14

Carbon disulfide

Concen: 45.902 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.006 min

Lab File: VU050984.D

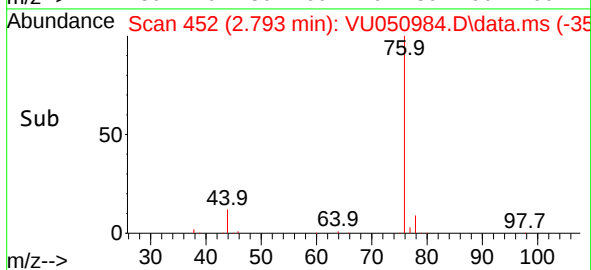
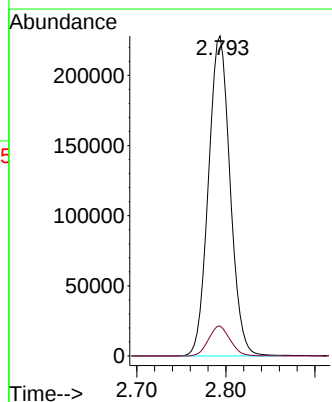
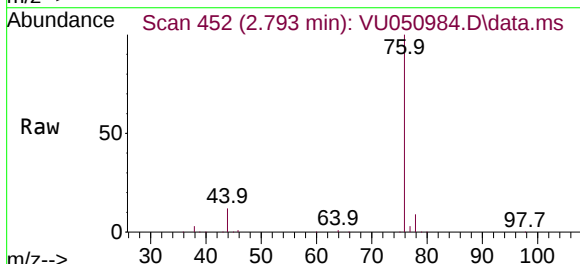
Acq: 29 Sep 2022 16:55

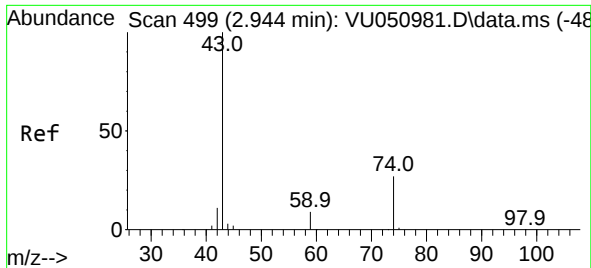
Tgt Ion: 76 Resp: 384915

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

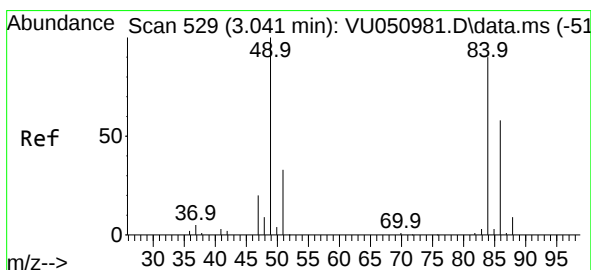
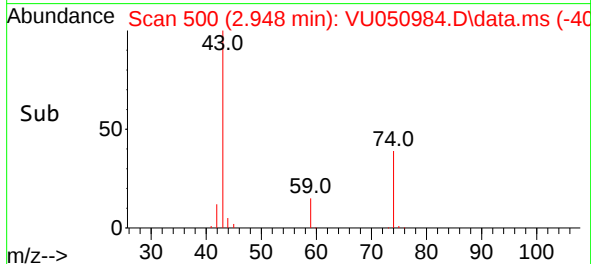
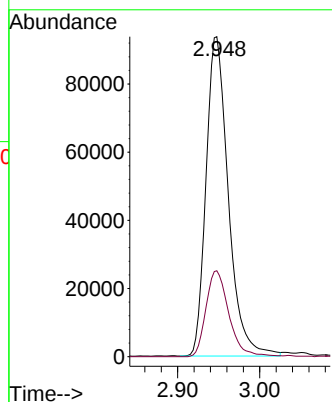
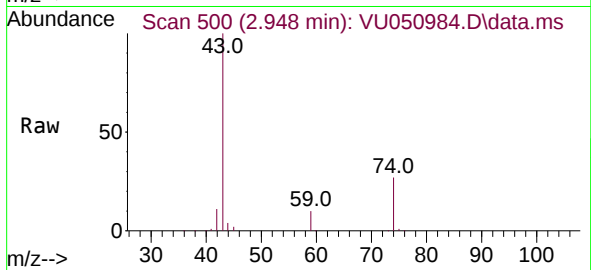




#15
Methyl Acetate
Concen: 46.537 ug/L
RT: 2.948 min Scan# 50
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

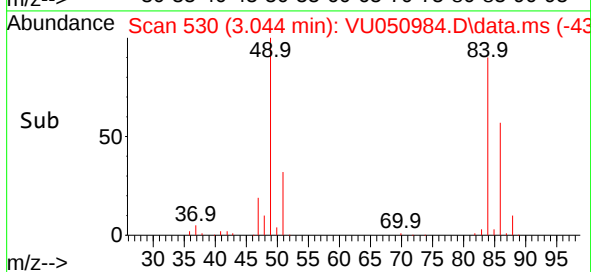
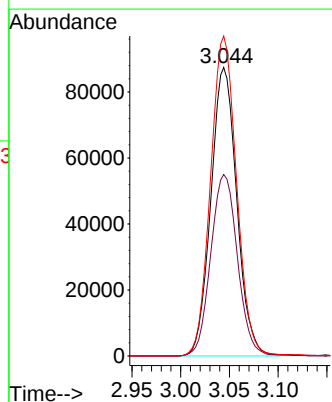
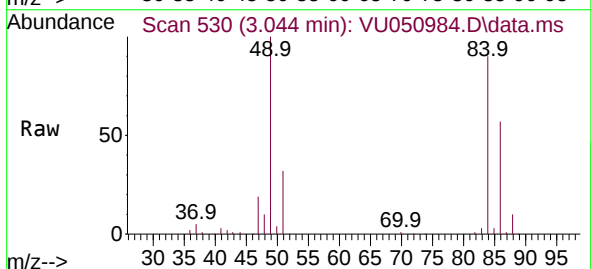
Instrument :
MSVOA_U
ClientSampleId :

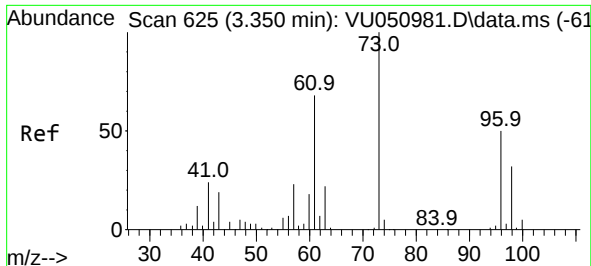
Tgt Ion: 43 Resp: 177402
Ion Ratio Lower Upper
43 100
74 27.6 22.4 33.6



#16
Methylene chloride
Concen: 39.695 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion: 84 Resp: 161651
Ion Ratio Lower Upper
84 100
86 62.9 45.4 84.4
49 110.9 78.3 145.3

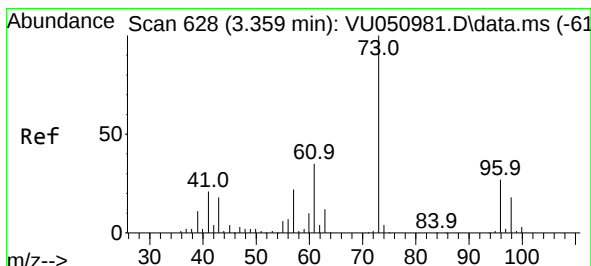
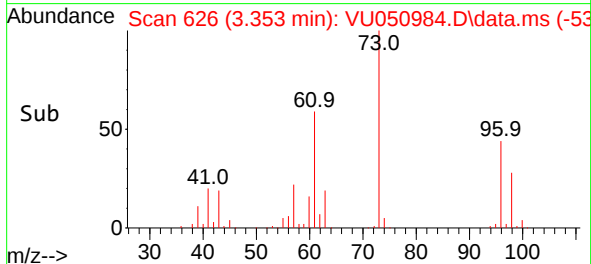
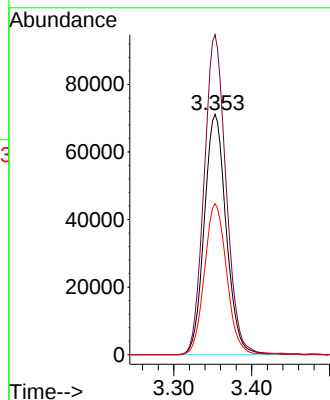
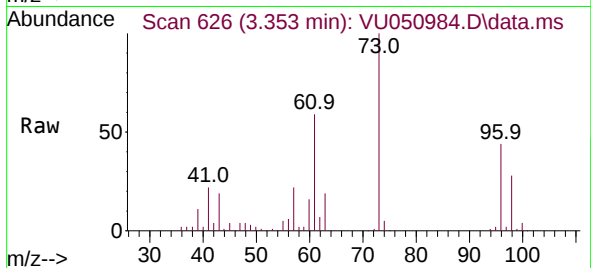




#17
trans-1,2-Dichloroethene
Concen: 46.098 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

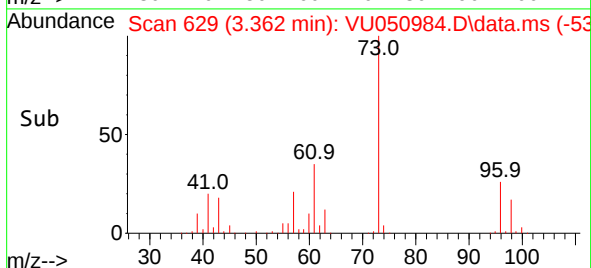
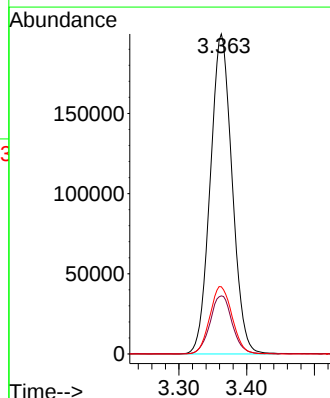
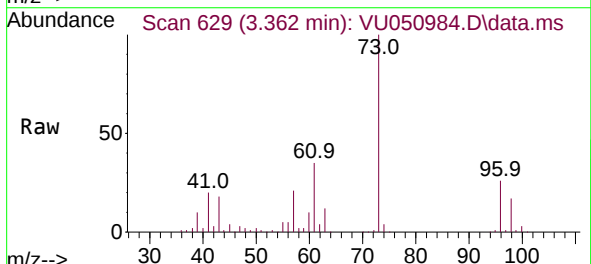
Instrument :
MSVOA_U
ClientSampleId :

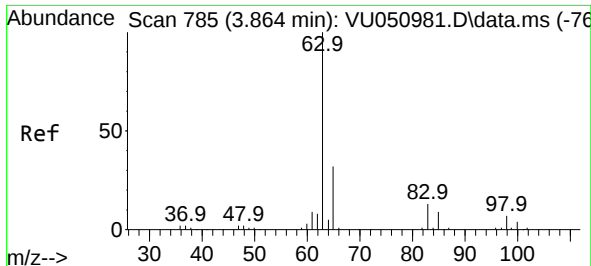
Tgt Ion: 96 Resp: 139123
Ion Ratio Lower Upper
96 100
61 133.2 95.1 176.5
98 62.8 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 48.653 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion: 73 Resp: 446219
Ion Ratio Lower Upper
73 100
43 18.3 14.7 22.1
57 21.5 17.5 26.3





#19

1,1-Dichloroethane

Concen: 46.868 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

ClientSampleId :

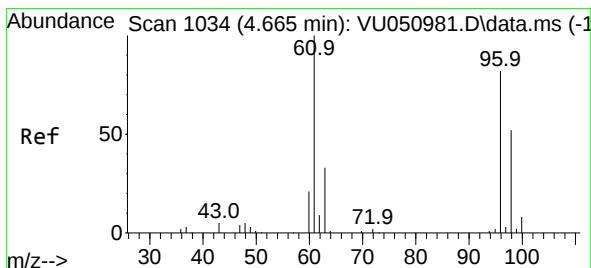
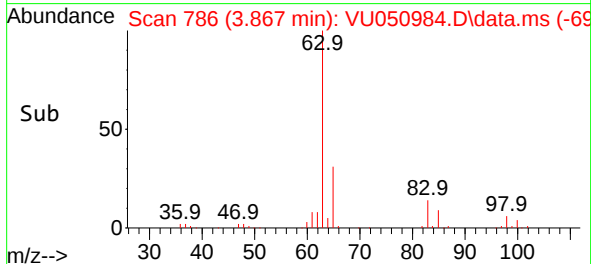
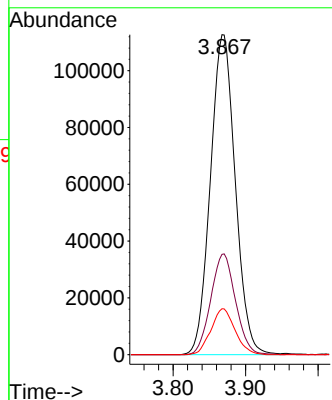
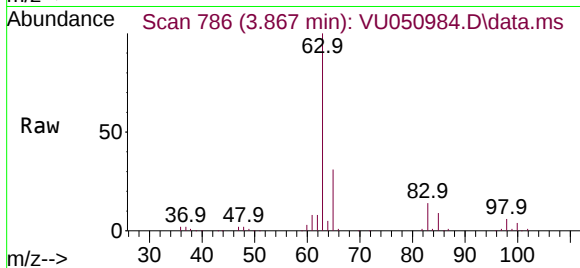
Tgt Ion: 63 Resp: 268685

Ion Ratio Lower Upper

63 100

65 31.4 22.6 42.0

83 14.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.751 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

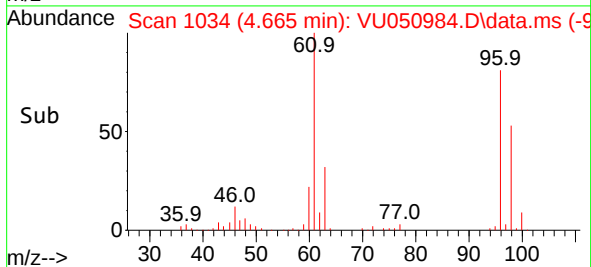
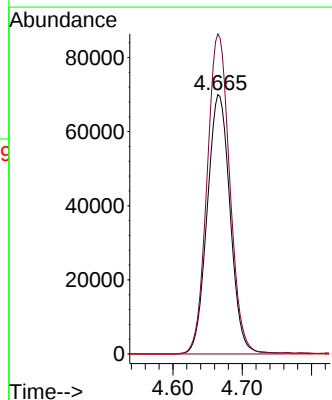
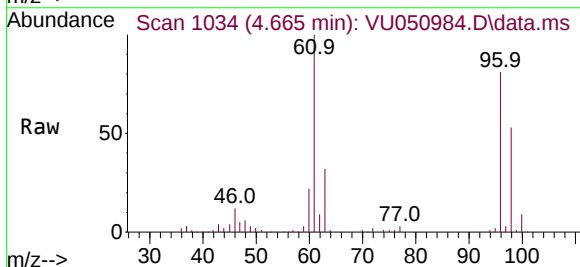
Tgt Ion: 96 Resp: 160909

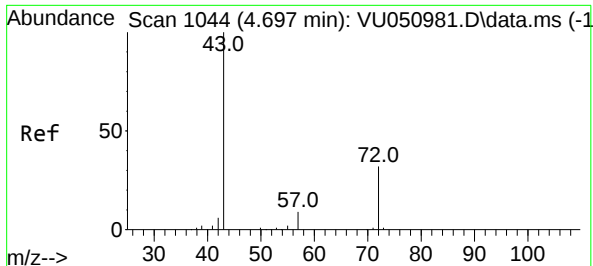
Ion Ratio Lower Upper

96 100

61 123.4 85.4 158.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.103 ug/L

RT: 4.700 min Scan# 1044

Delta R.T. 0.003 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

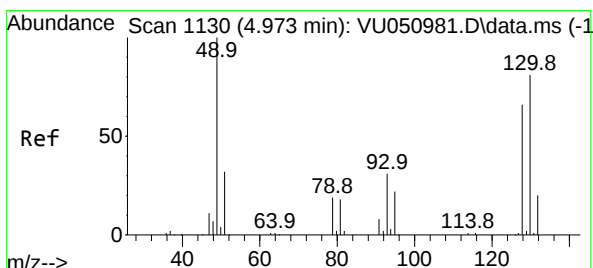
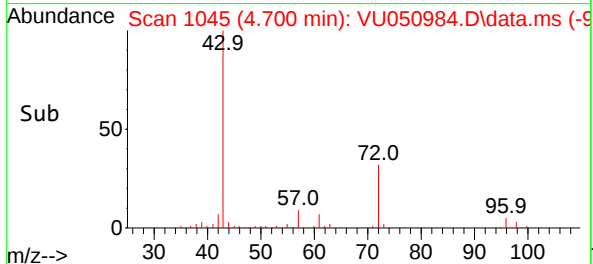
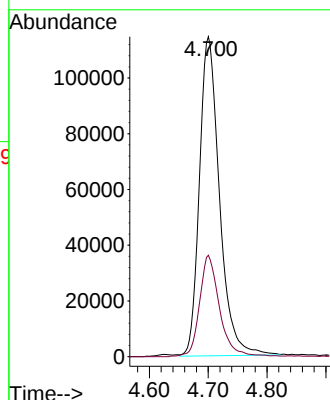
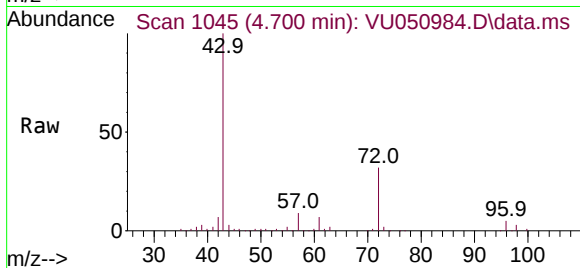
ClientSampleId :

Tgt Ion: 43 Resp: 271474

Ion Ratio Lower Upper

43 100

72 30.4 15.8 47.4



#23

Bromochloromethane

Concen: 46.538 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Tgt Ion: 128 Resp: 85925

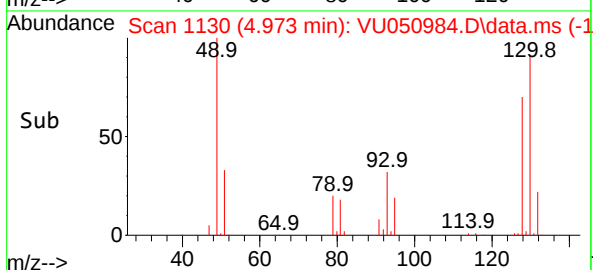
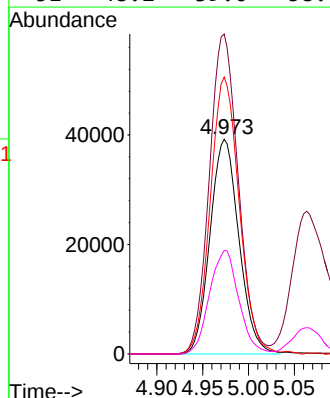
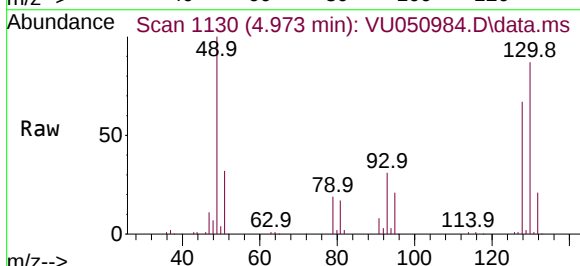
Ion Ratio Lower Upper

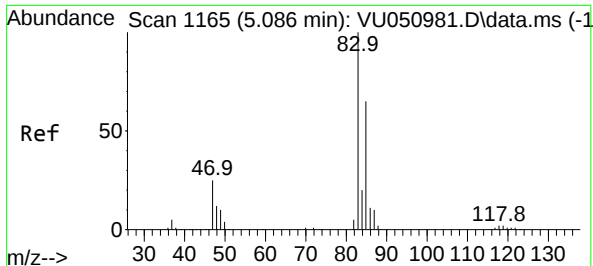
128 100

49 149.0 106.9 198.5

130 129.0 86.2 160.0

51 48.2 39.0 58.4





#25

Chloroform

Concen: 45.581 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

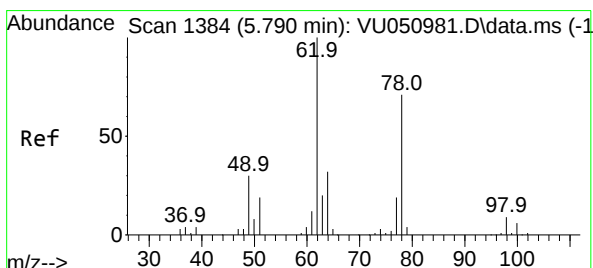
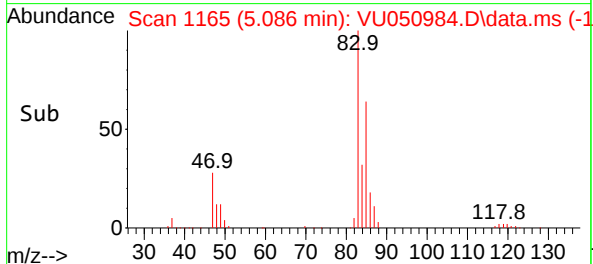
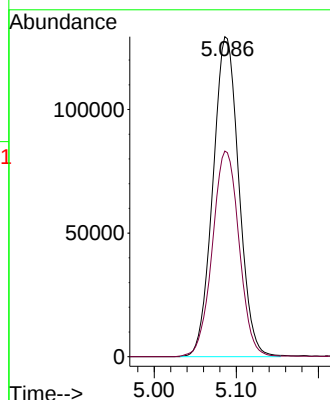
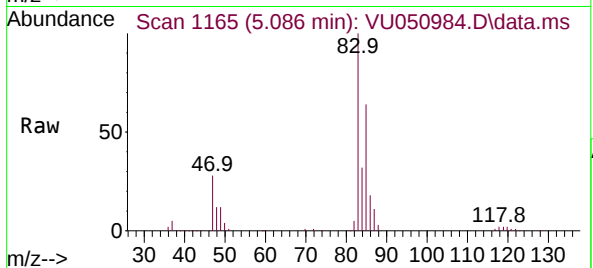
ClientSampleId :

Tgt Ion: 83 Resp: 284225

Ion Ratio Lower Upper

83 100

85 64.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 45.839 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU050984.D

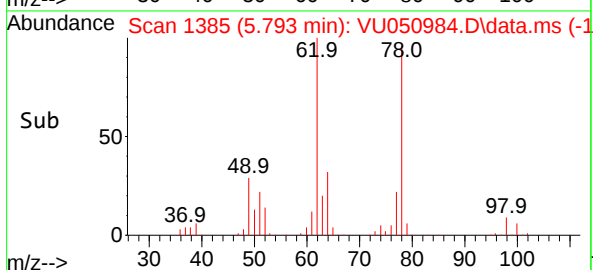
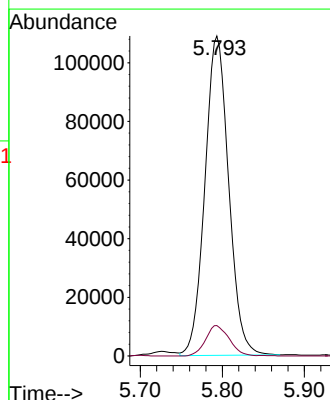
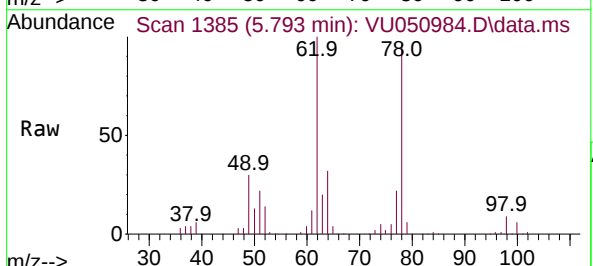
Acq: 29 Sep 2022 16:55

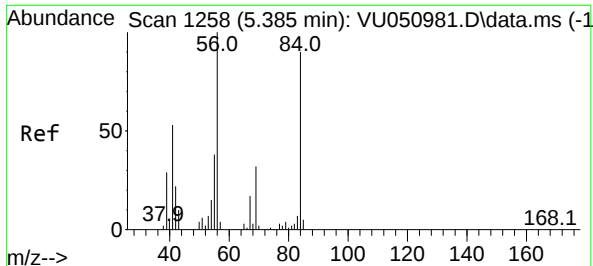
Tgt Ion: 62 Resp: 218961

Ion Ratio Lower Upper

62 100

98 9.5 7.3 10.9





#29

Cyclohexane

Concen: 54.396 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

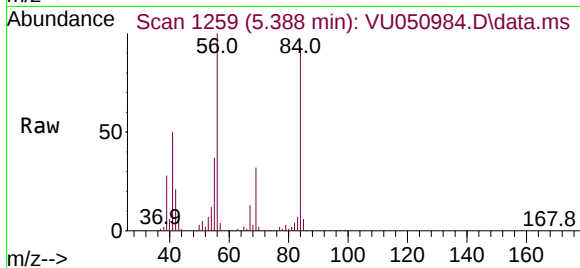
Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

ClientSampleId :



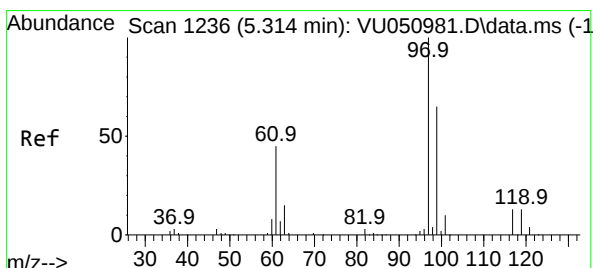
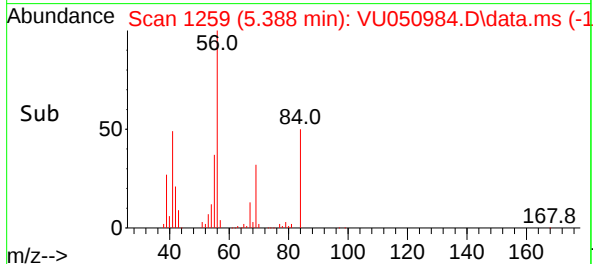
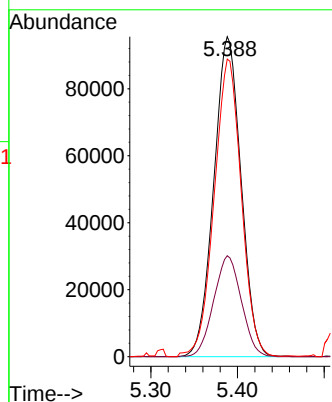
Tgt Ion: 56 Resp: 208767

Ion Ratio Lower Upper

56 100

69 32.0 24.8 37.2

84 91.8 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 51.288 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

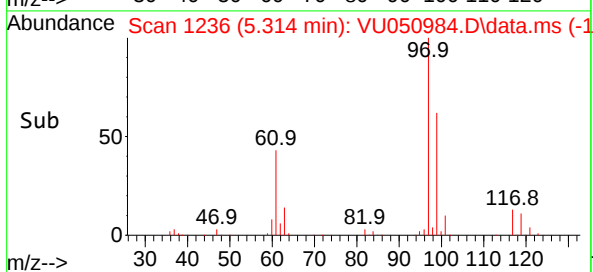
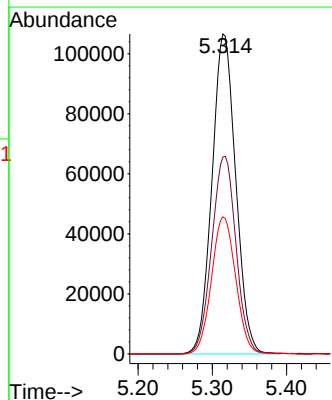
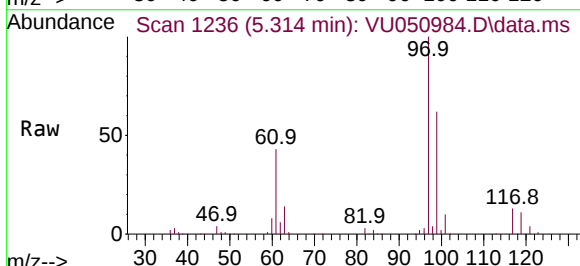
Tgt Ion: 97 Resp: 237087

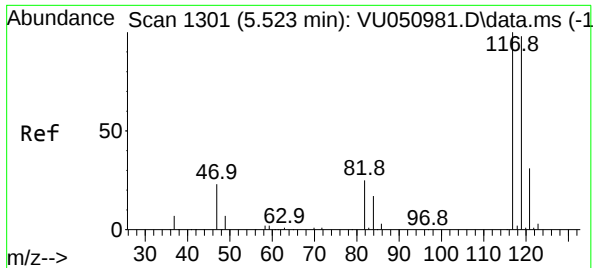
Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.2

61 43.6 36.0 54.0

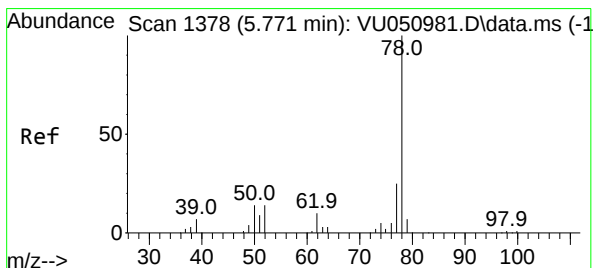
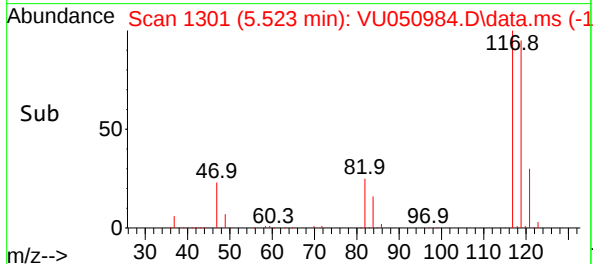
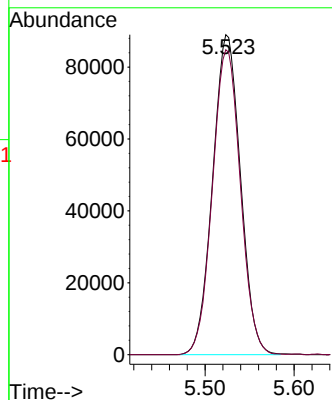
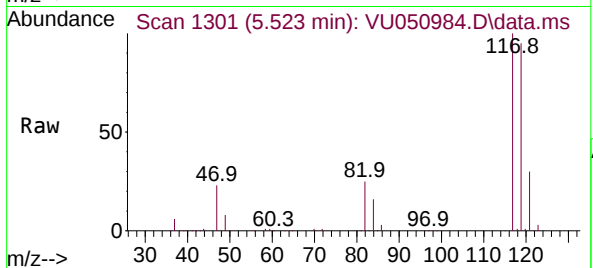




#31
Carbon tetrachloride
Concen: 51.285 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

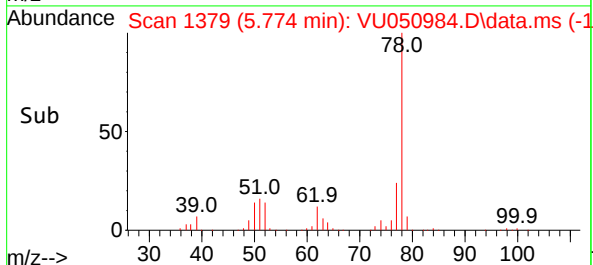
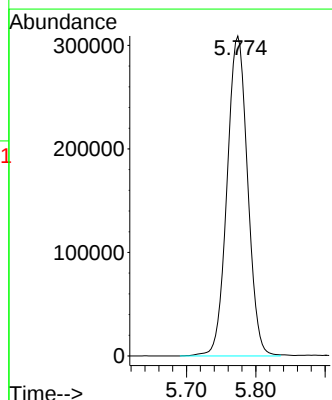
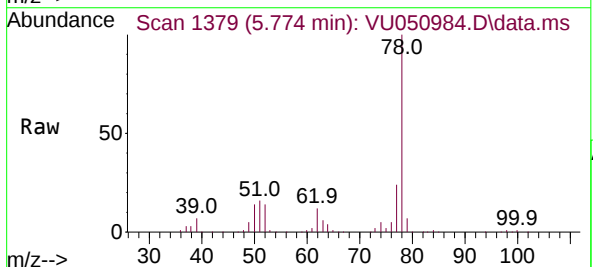
Instrument :
MSVOA_U
ClientSampleId :

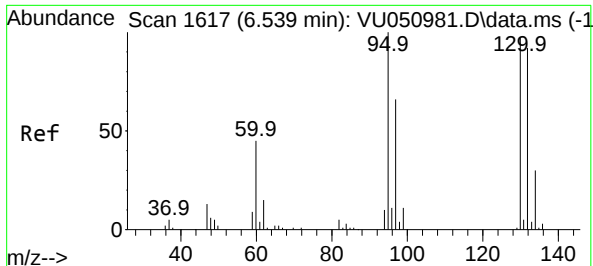
Tgt Ion:117 Resp: 193428
Ion Ratio Lower Upper
117 100
119 95.8 75.7 113.5



#33
Benzene
Concen: 52.967 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion: 78 Resp: 636483

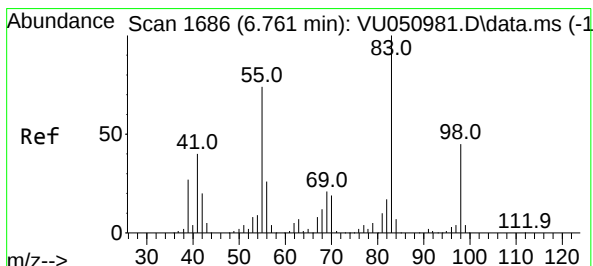
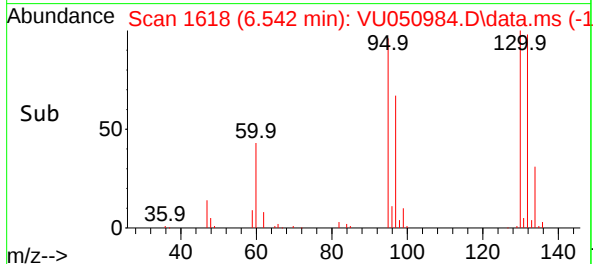
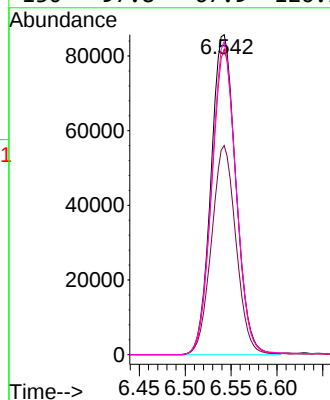
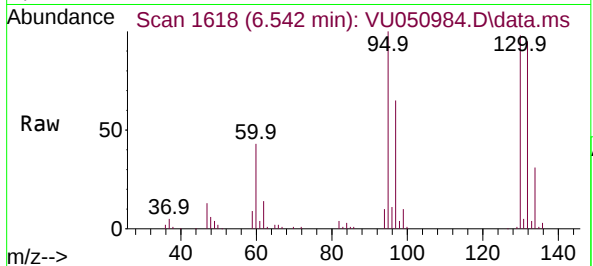




#34
Trichloroethene
Concen: 51.897 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

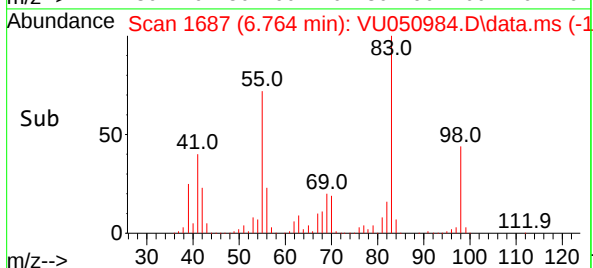
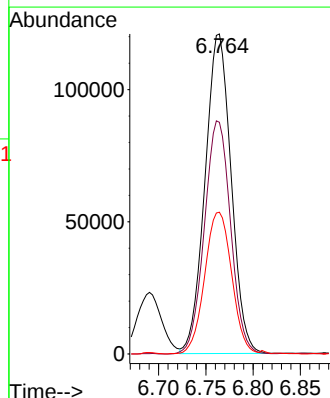
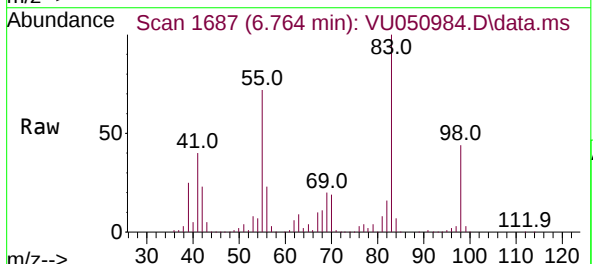
Instrument :
MSVOA_U
ClientSampleId :

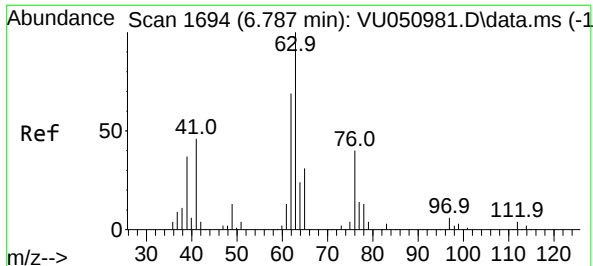
Tgt Ion: 95 Resp: 161526
Ion Ratio Lower Upper
95 100
97 65.4 45.9 85.3
132 95.4 64.0 119.0
130 97.8 67.9 126.1



#35
Methylcyclohexane
Concen: 54.833 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion: 83 Resp: 232279
Ion Ratio Lower Upper
83 100
55 73.3 59.3 88.9
98 45.6 36.0 54.0





#37

1,2-Dichloropropane

Concen: 52.240 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

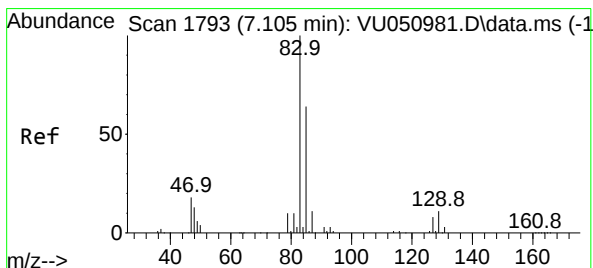
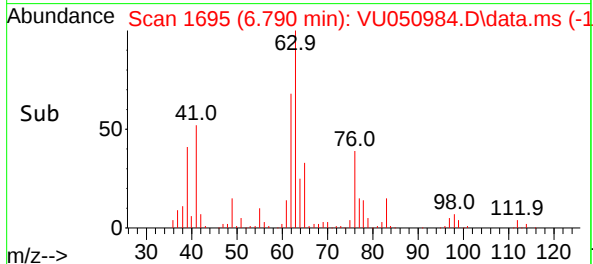
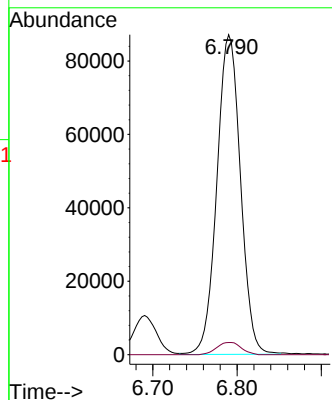
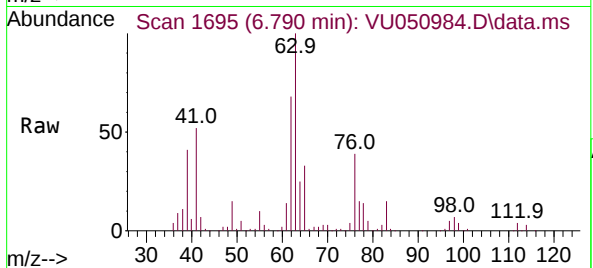
ClientSampleId :

Tgt Ion: 63 Resp: 169048

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 50.372 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

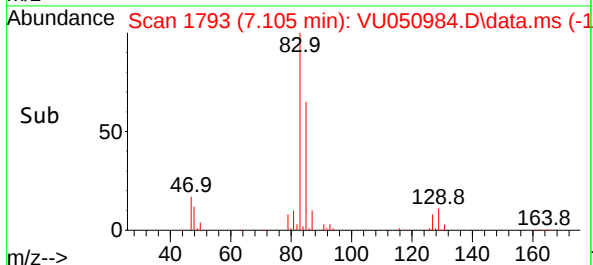
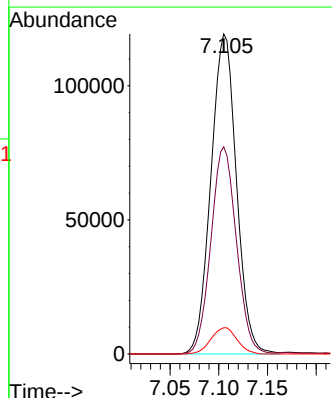
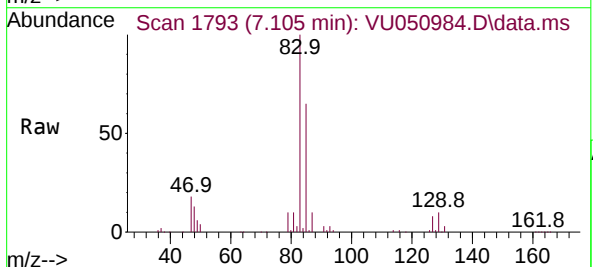
Tgt Ion: 83 Resp: 217532

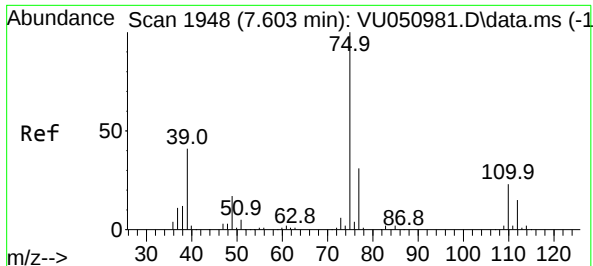
Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

127 8.2 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 52.868 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

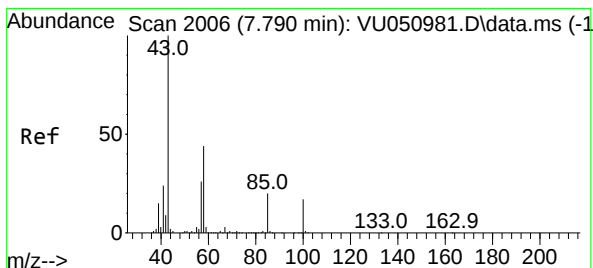
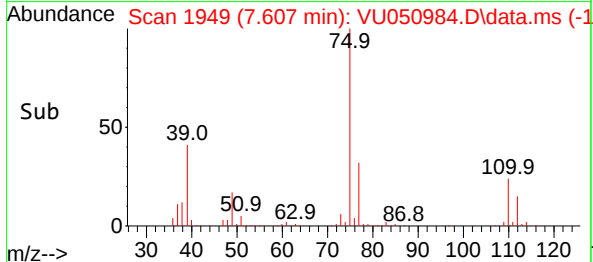
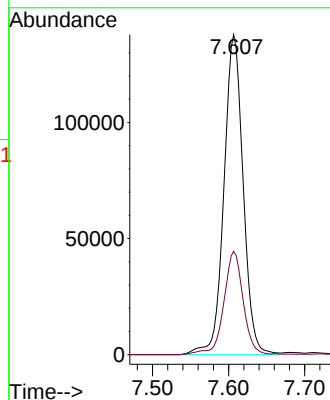
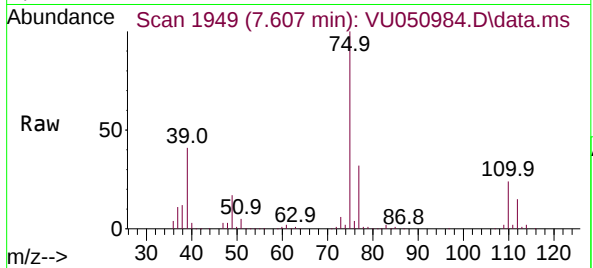
ClientSampleId :

Tgt Ion: 75 Resp: 242286

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 106.664 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

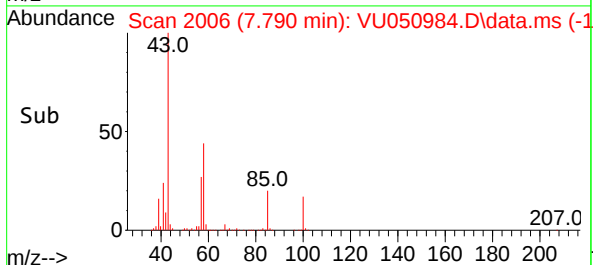
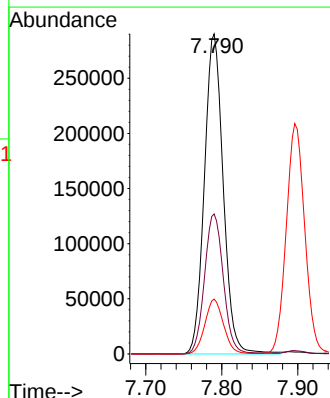
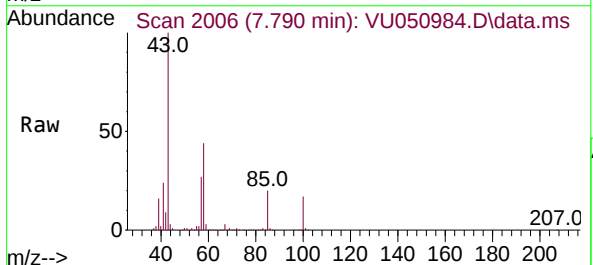
Tgt Ion: 43 Resp: 499864

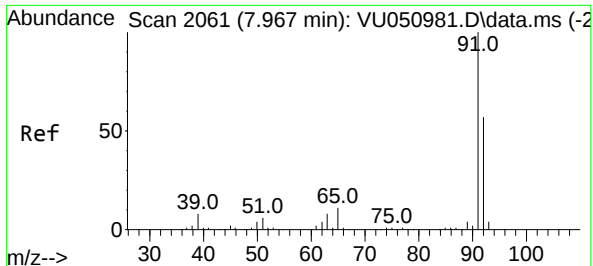
Ion Ratio Lower Upper

43 100

58 43.7 35.0 52.4

100 17.0 13.3 19.9

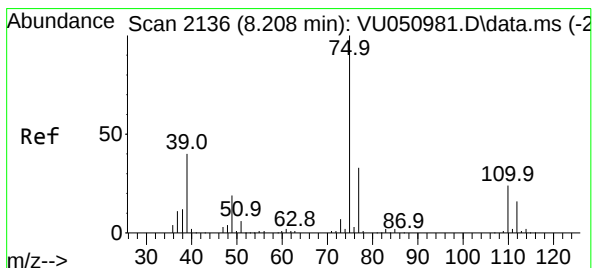
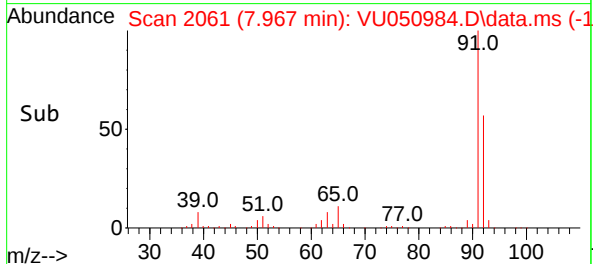
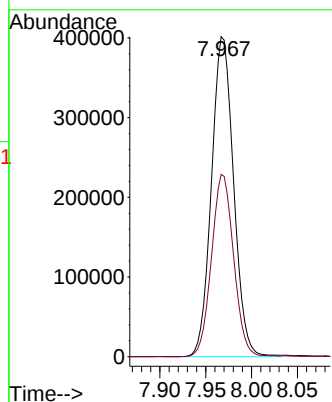
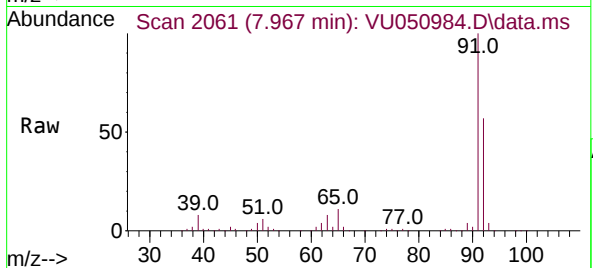




#42
Toluene
Concen: 52.764 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

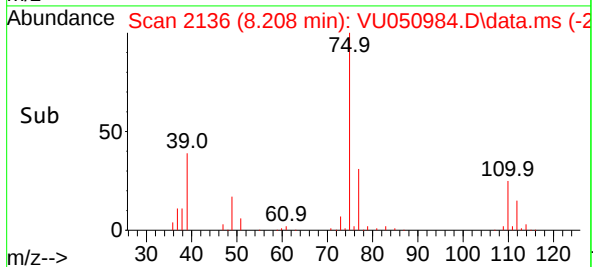
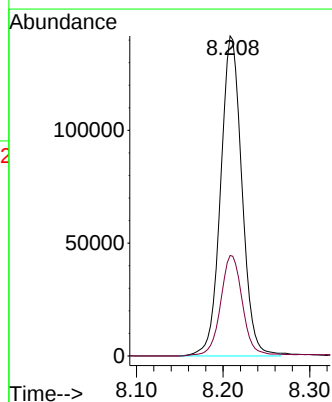
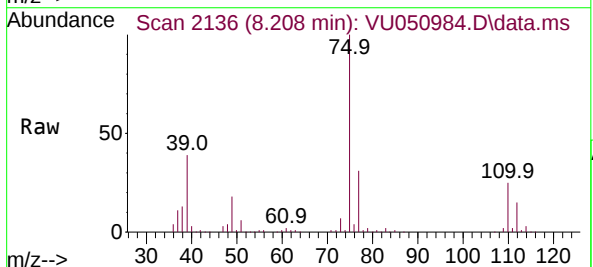
Instrument :
MSVOA_U
ClientSampleId :

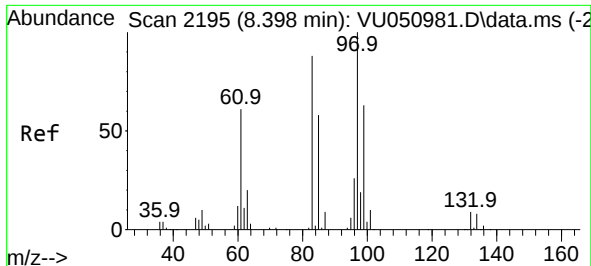
Tgt Ion: 91 Resp: 674414
Ion Ratio Lower Upper
91 100
92 57.0 40.1 74.5



#44
trans-1,3-Dichloropropene
Concen: 52.272 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion: 75 Resp: 242217
Ion Ratio Lower Upper
75 100
77 31.4 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 50.220 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 176029

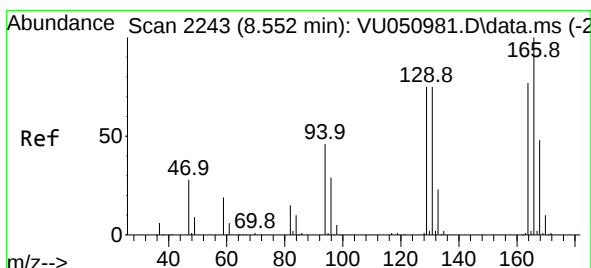
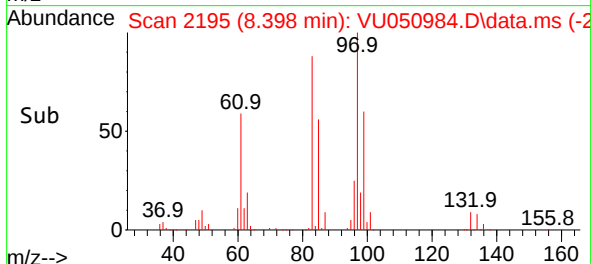
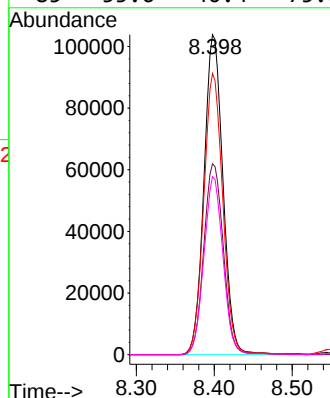
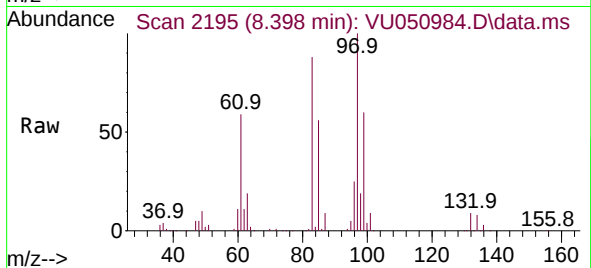
Ion Ratio Lower Upper

97 100

99 59.6 44.4 82.4

83 87.9 61.7 114.5

85 55.6 40.4 75.0



#46

Tetrachloroethene

Concen: 50.560 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Tgt Ion:164 Resp: 119256

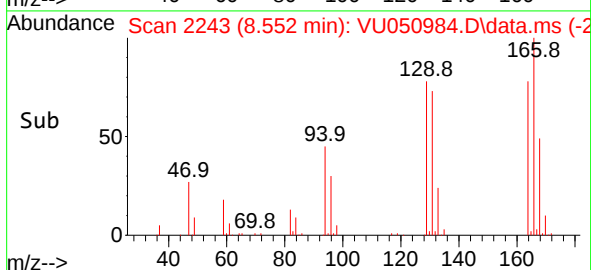
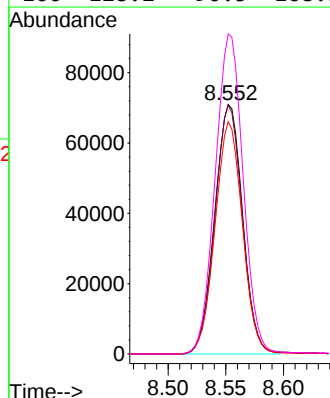
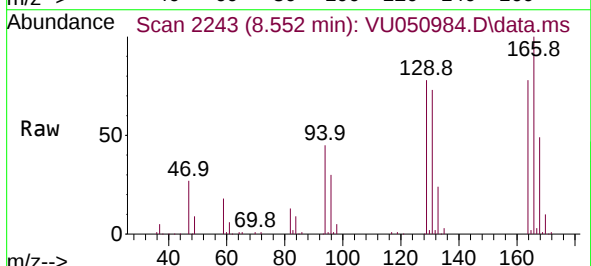
Ion Ratio Lower Upper

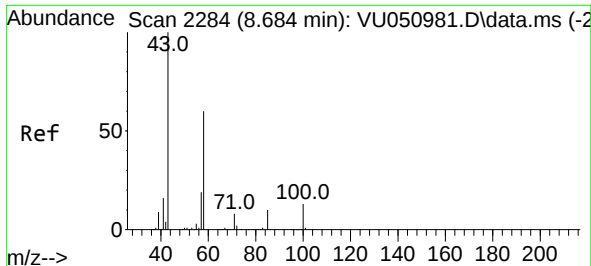
164 100

129 99.8 68.1 126.5

131 93.0 67.8 126.0

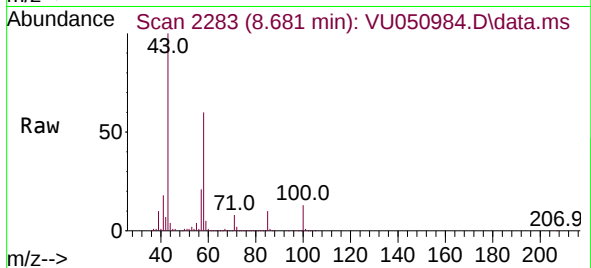
166 128.2 90.5 168.1



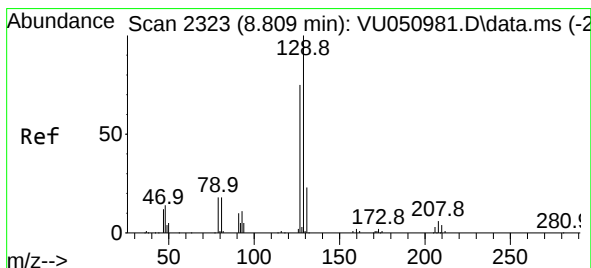
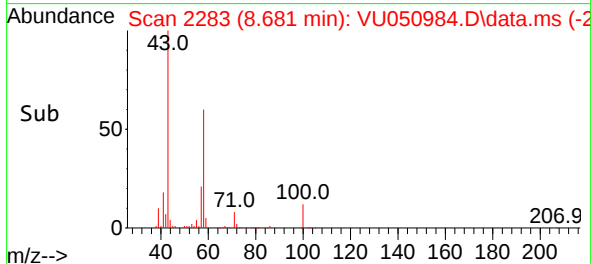
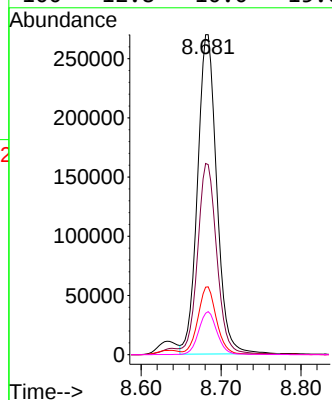


#48
2-Hexanone
Concen: 105.896 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Instrument :
MSVOA_U
ClientSampleId :

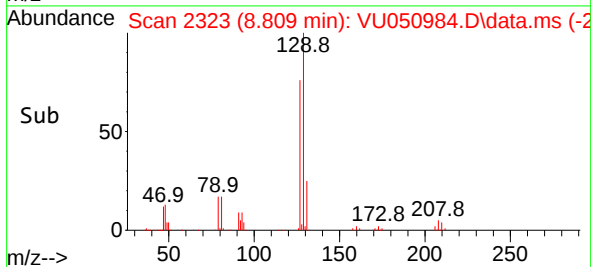
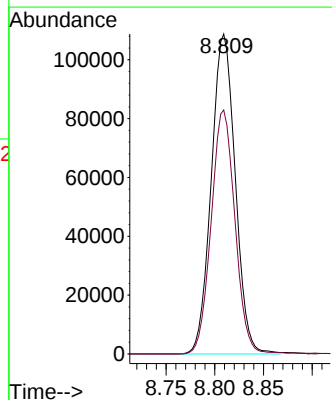
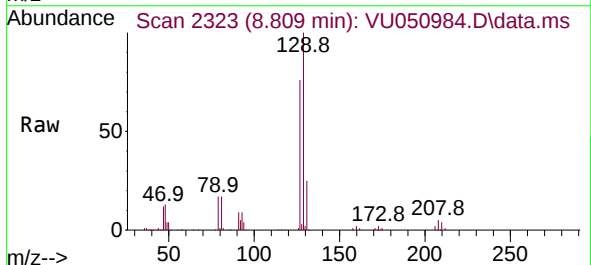


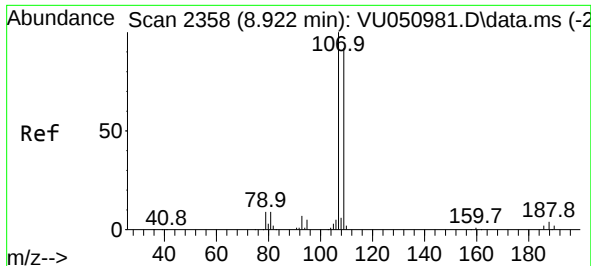
Tgt Ion: 43 Resp: 450753
Ion Ratio Lower Upper
43 100
58 59.2 48.3 72.5
57 20.4 15.9 23.9
100 12.8 10.0 15.0



#49
Dibromochloromethane
Concen: 50.528 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion: 129 Resp: 186206
Ion Ratio Lower Upper
129 100
127 76.2 52.8 98.0





#50

1,2-Dibromoethane

Concen: 49.820 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

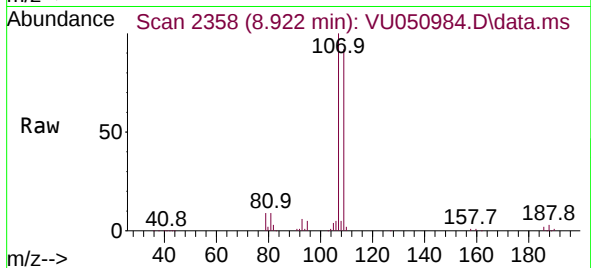
Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

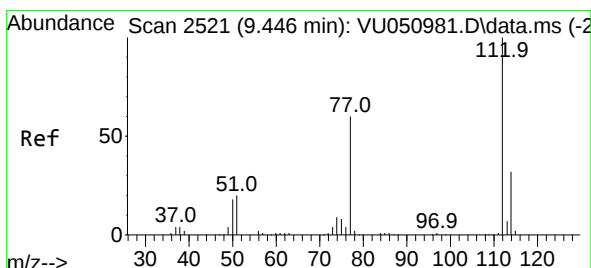
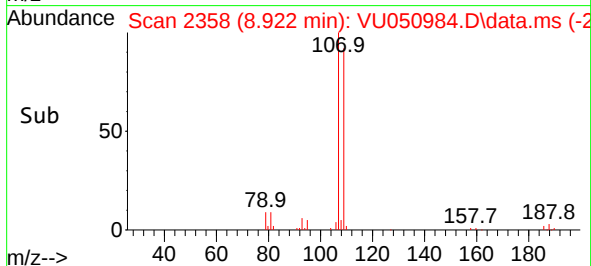
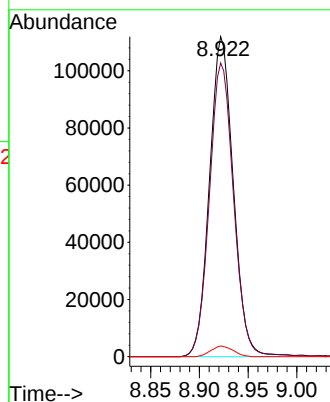
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	189332
Ion	Ratio	Lower	Upper
107	100		
109	91.8	64.1	119.1
188	3.3	2.9	4.3



#51

Chlorobenzene

Concen: 48.817 ug/L

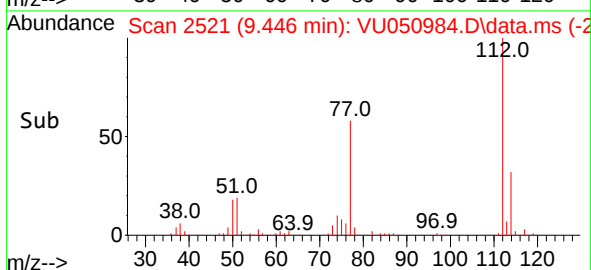
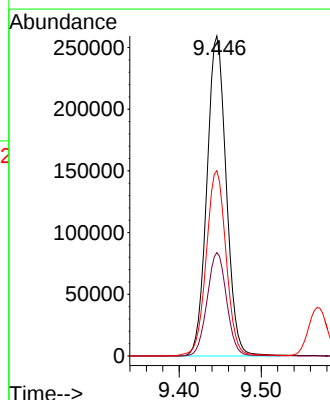
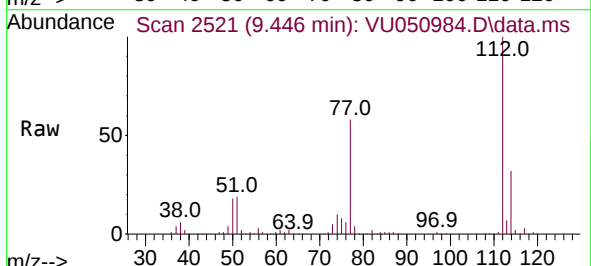
RT: 9.446 min Scan# 2521

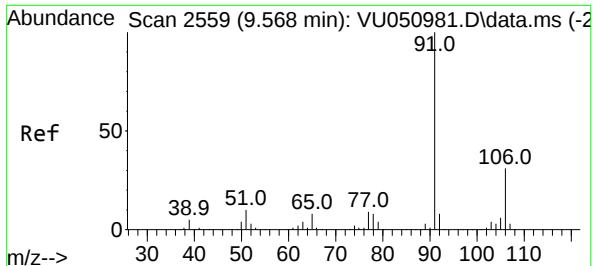
Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Tgt Ion:	112	Resp:	424322
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.3
77	57.9	48.2	72.2





#52

Ethylbenzene

Concen: 51.662 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

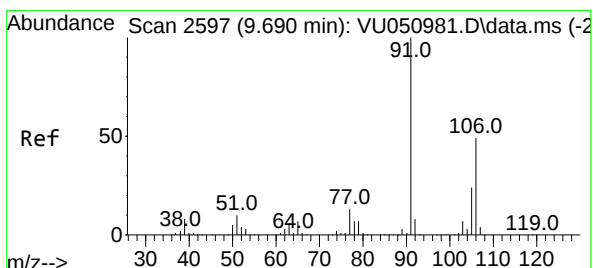
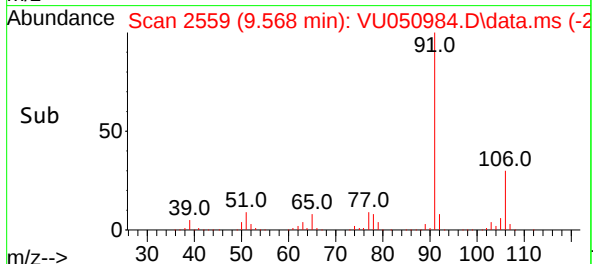
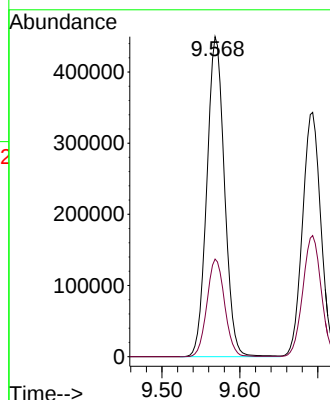
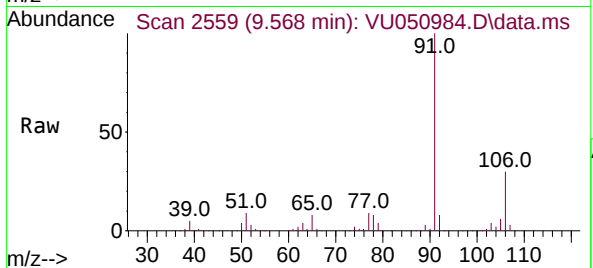
ClientSampleId :

Tgt Ion: 91 Resp: 704340

Ion Ratio Lower Upper

91 100

106 30.5 21.7 40.3



#53

m,p-Xylene

Concen: 54.260 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. 0.003 min

Lab File: VU050984.D

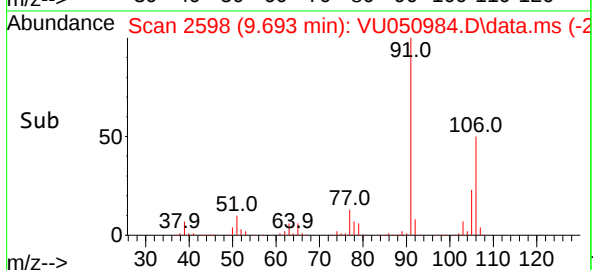
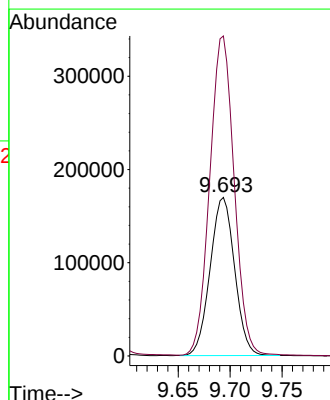
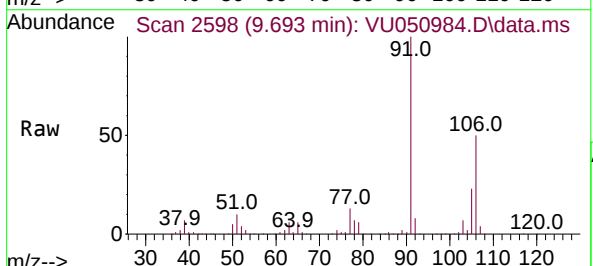
Acq: 29 Sep 2022 16:55

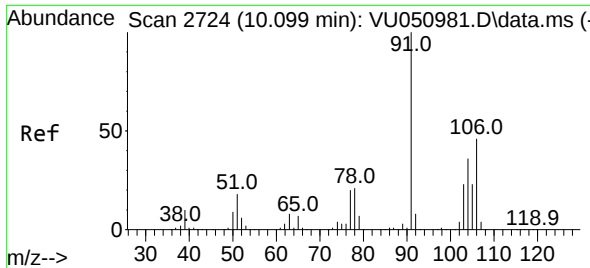
Tgt Ion: 106 Resp: 278185

Ion Ratio Lower Upper

106 100

91 201.8 141.9 263.5

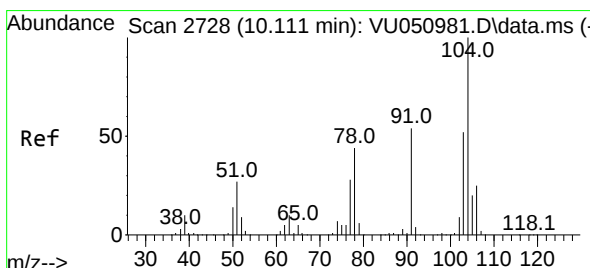
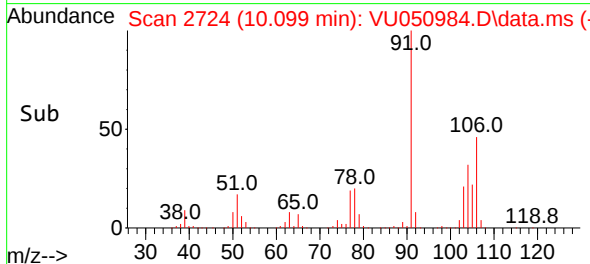
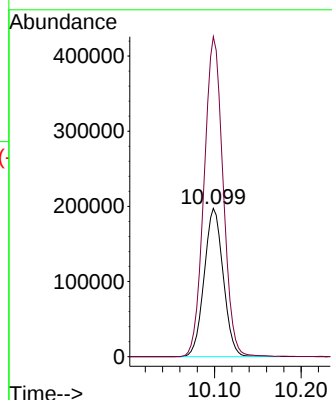
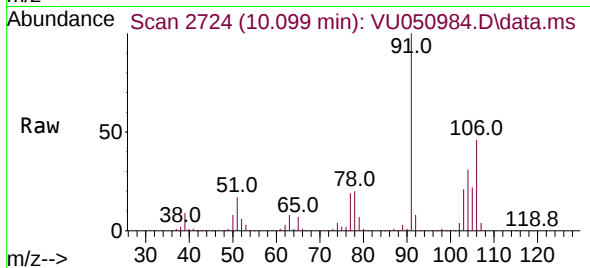




#54
o-Xylene
Concen: 58.855 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

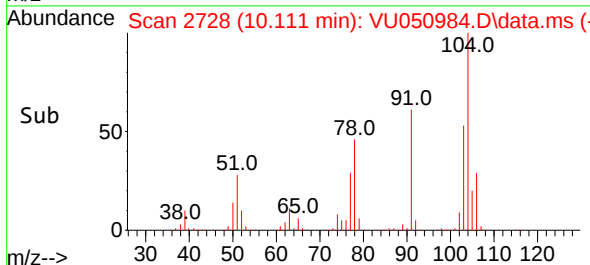
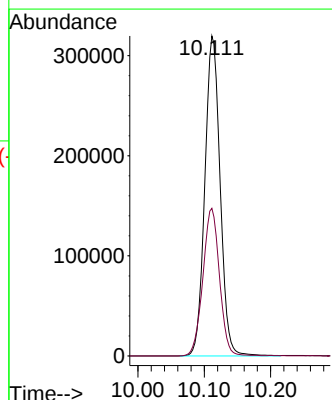
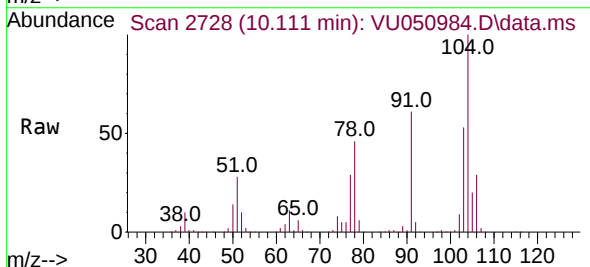
Instrument :
MSVOA_U
ClientSampleId :

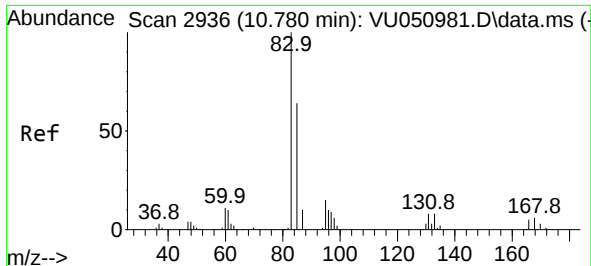
Tgt Ion:106 Resp: 301602
Ion Ratio Lower Upper
106 100
91 215.8 152.4 283.0



#55
Styrene
Concen: 58.063 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion:104 Resp: 514264
Ion Ratio Lower Upper
104 100
78 46.1 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 50.223 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU050984.D

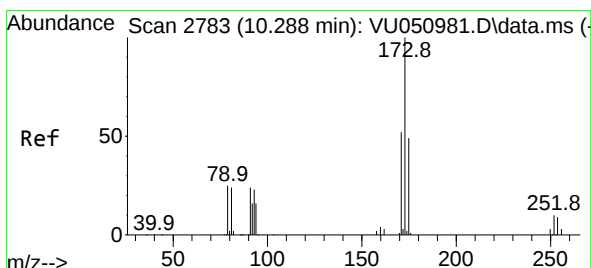
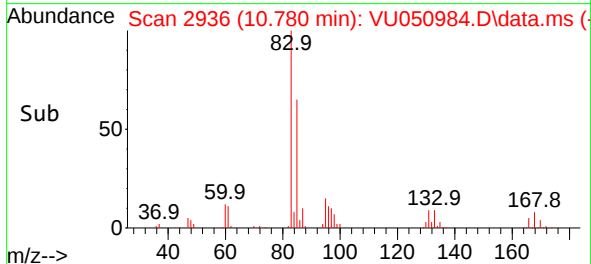
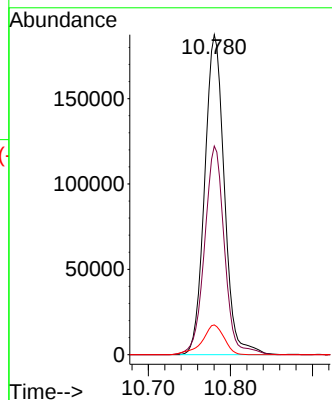
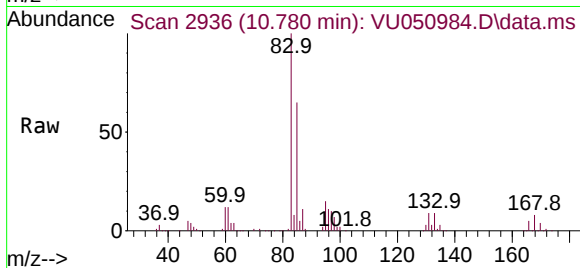
Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	311555
Ion Ratio	Lower	Upper	
83	100		
85	65.2	44.7	83.1
131	9.3	7.0	10.4



#59

Bromoform

Concen: 46.054 ug/L

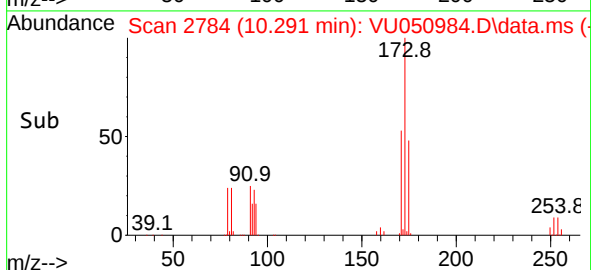
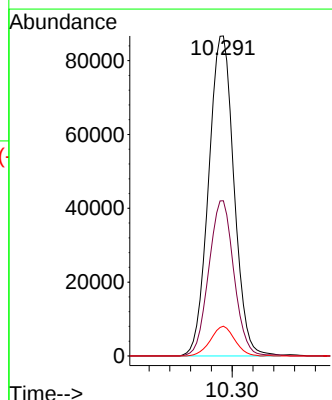
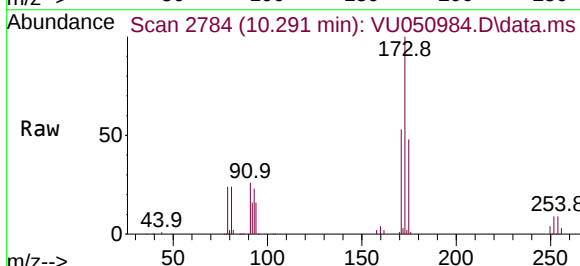
RT: 10.291 min Scan# 2784

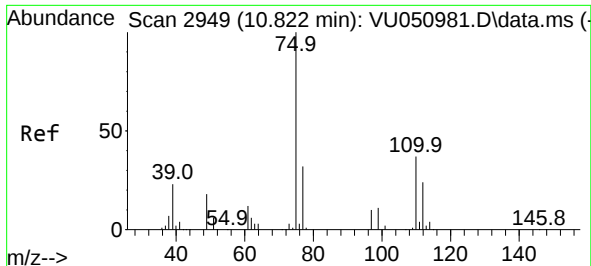
Delta R.T. 0.003 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Tgt Ion:	173	Resp:	146768
Ion Ratio	Lower	Upper	
173	100		
175	48.0	39.4	59.0
254	8.9	7.4	11.0

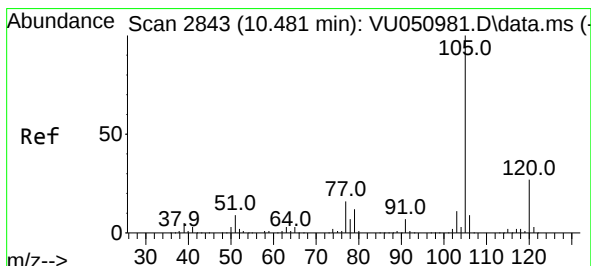
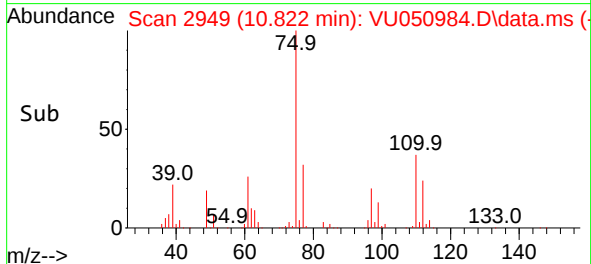
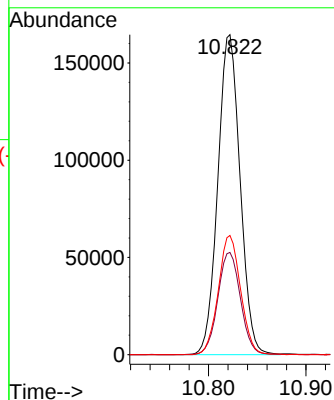
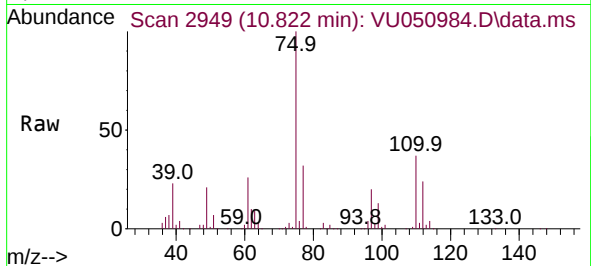




#60
1,2,3-Trichloropropane
Concen: 45.852 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

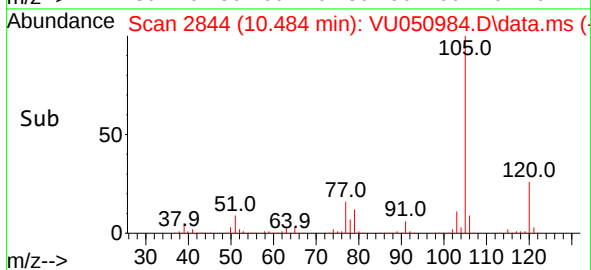
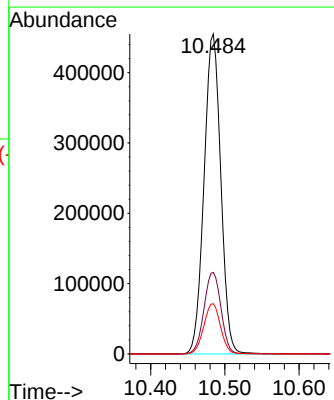
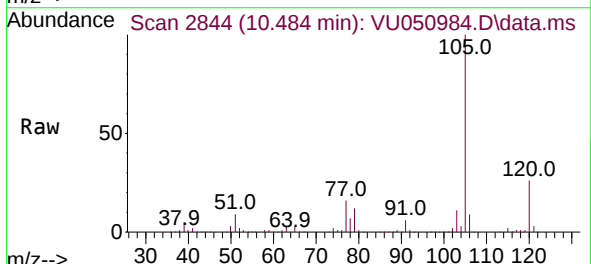
Instrument :
MSVOA_U
ClientSampleId :

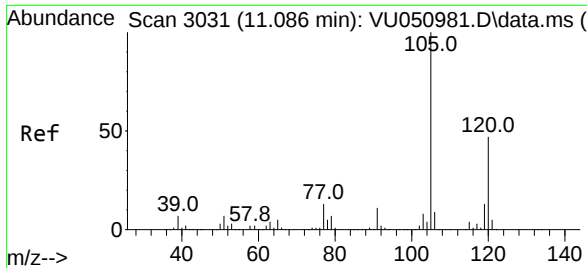
Tgt Ion: 75 Resp: 261350
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
110 37.3 30.0 45.0



#61
Isopropylbenzene
Concen: 50.495 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Tgt Ion: 105 Resp: 710464
Ion Ratio Lower Upper
105 100
120 26.0 21.1 31.7
77 15.7 12.8 19.2

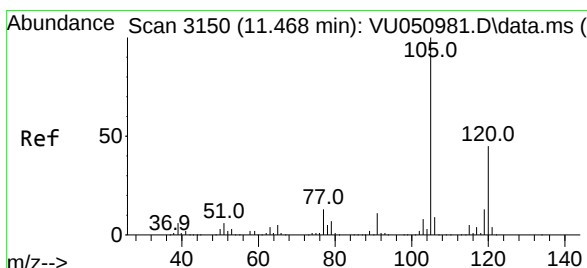
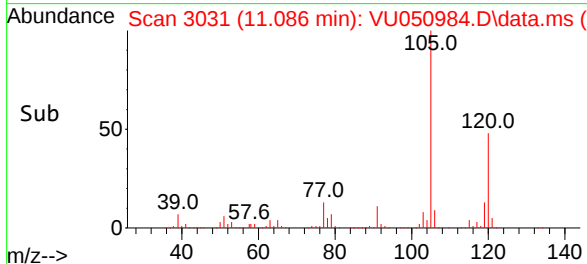
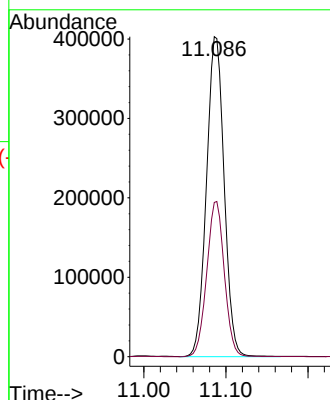
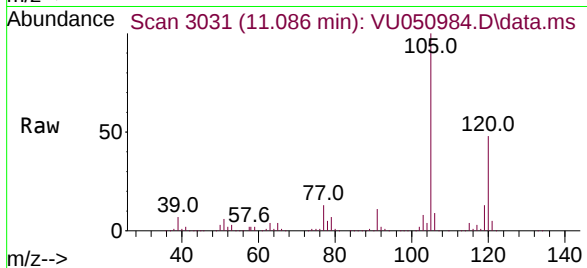




#62
 1,3,5-Trimethylbenzene
 Concen: 52.495 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU050984.D
 Acq: 29 Sep 2022 16:55

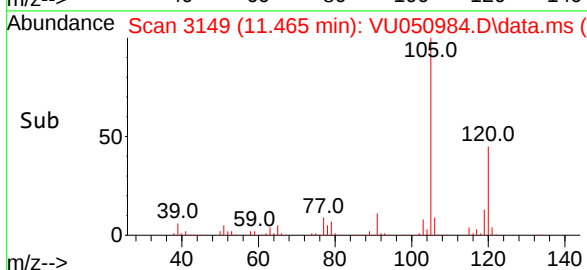
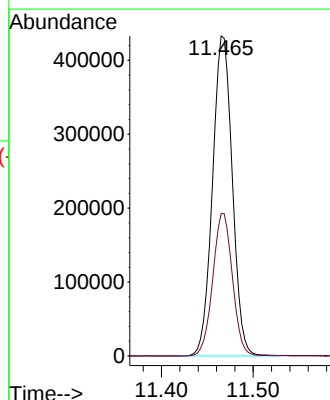
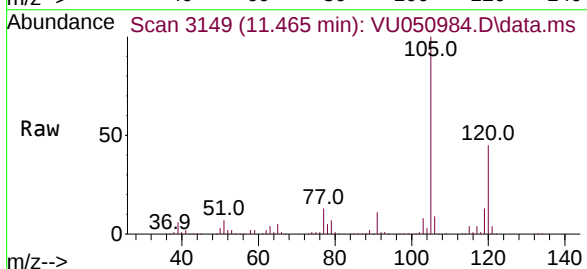
Instrument :
 MSVOA_U
 ClientSampleId :

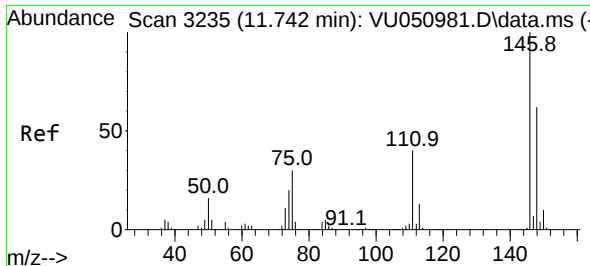
Tgt Ion:105 Resp: 603971
 Ion Ratio Lower Upper
 105 100
 120 48.2 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 56.315 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU050984.D
 Acq: 29 Sep 2022 16:55

Tgt Ion:105 Resp: 649384
 Ion Ratio Lower Upper
 105 100
 120 44.4 35.5 53.3

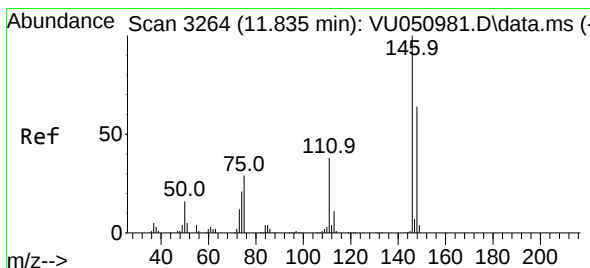
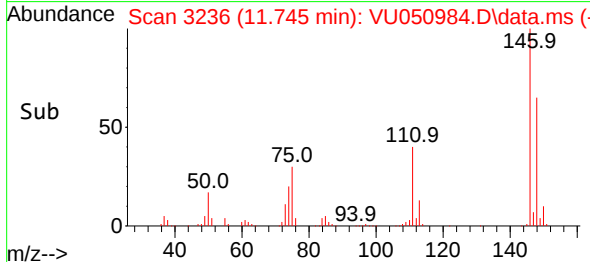
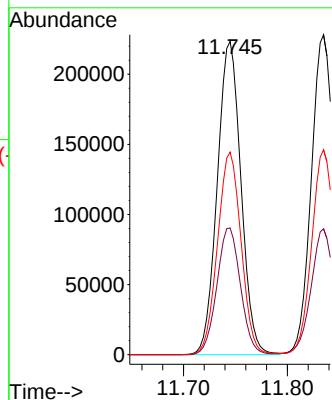
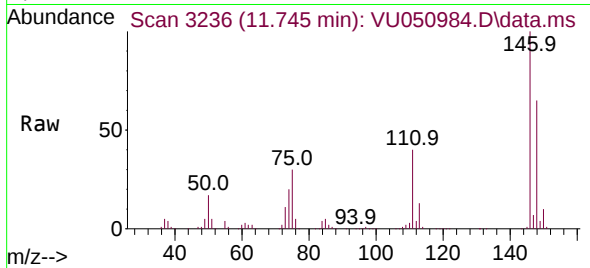




#64
1,3-Dichlorobenzene
Concen: 48.902 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

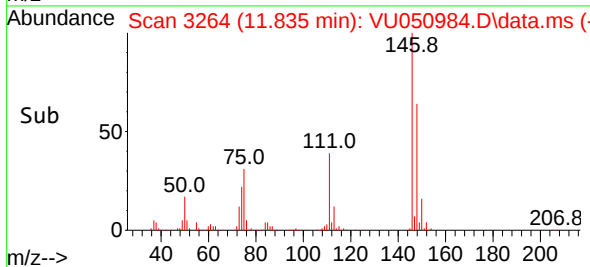
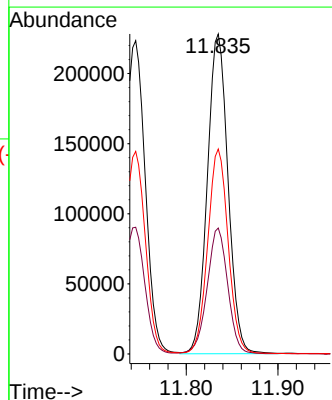
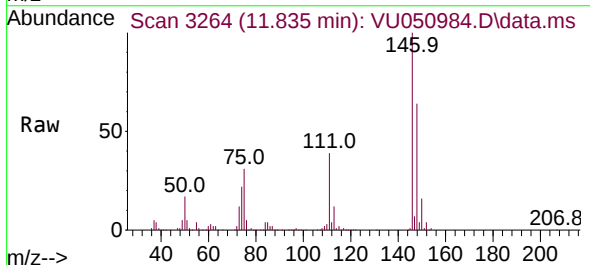
Instrument :
MSVOA_U
ClientSampleId :

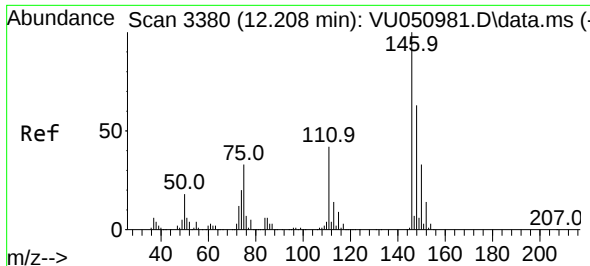
Tgt Ion:146 Resp: 354710
Ion Ratio Lower Upper
146 100
111 40.4 28.2 52.4
148 64.7 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 49.357 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

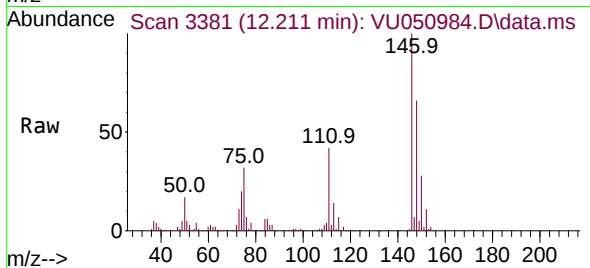
Tgt Ion:146 Resp: 357874
Ion Ratio Lower Upper
146 100
111 39.3 27.0 50.2
148 64.0 45.1 83.9



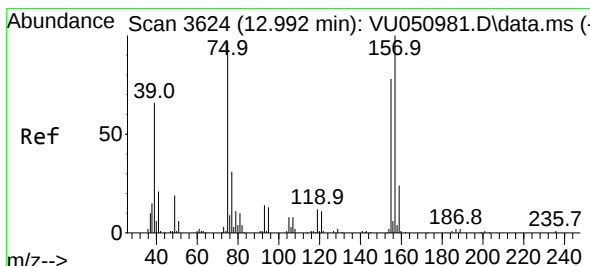
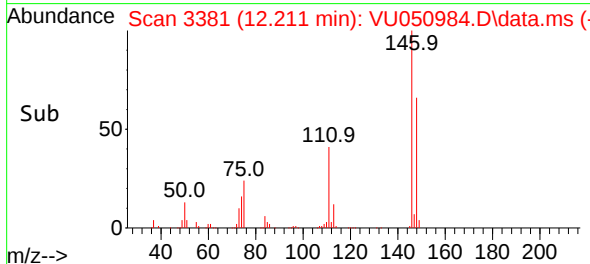
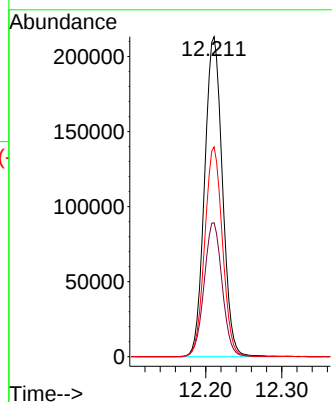


#67
1,2-Dichlorobenzene
Concen: 46.618 ug/L
RT: 12.211 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

Instrument :
MSVOA_U
ClientSampleId :

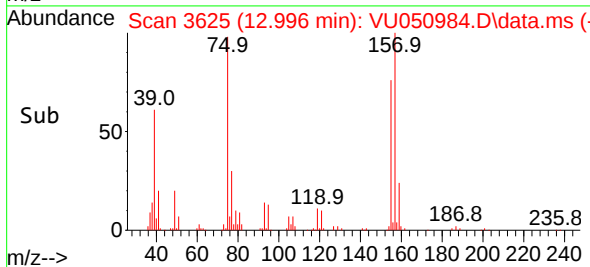
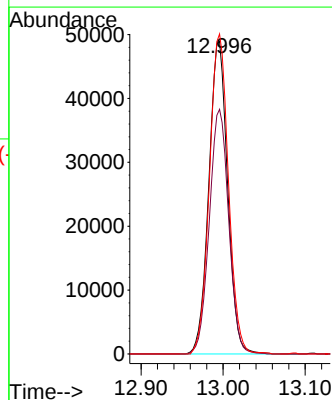
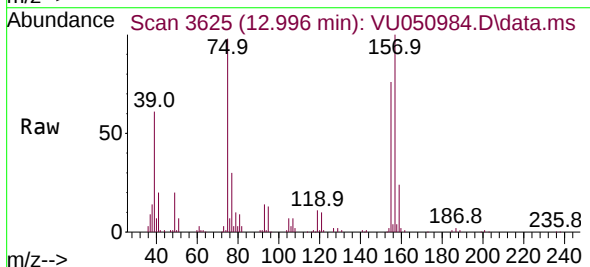


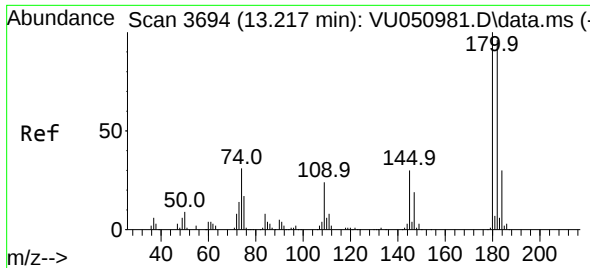
Tgt Ion:146 Resp: 347416
Ion Ratio Lower Upper
146 100
111 41.9 33.7 50.5
148 65.6 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 46.823 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.003 min
Lab File: VU050984.D
Acq: 29 Sep 2022 16:55

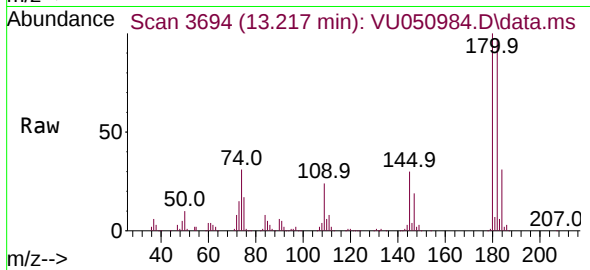
Tgt Ion: 75 Resp: 77882
Ion Ratio Lower Upper
75 100
155 78.4 64.4 96.6
157 106.6 82.2 123.2



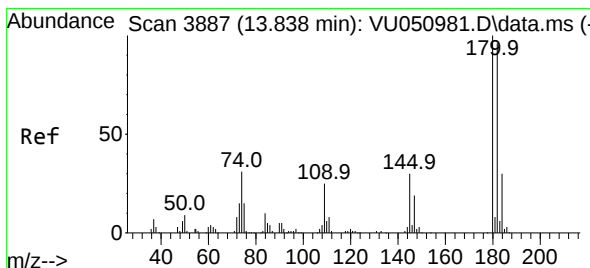
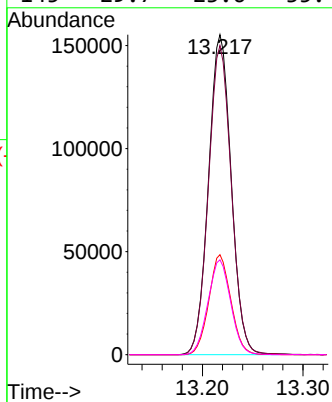
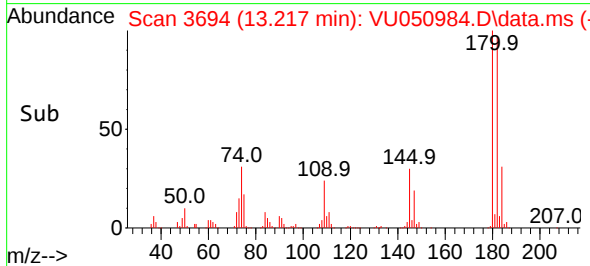


#69
 1,3,5-Trichlorobenzene
 Concen: 49.466 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU050984.D
 Acq: 29 Sep 2022 16:55

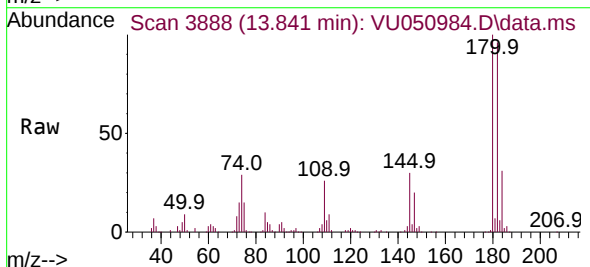
Instrument :
 MSVOA_U
 ClientSampleId :



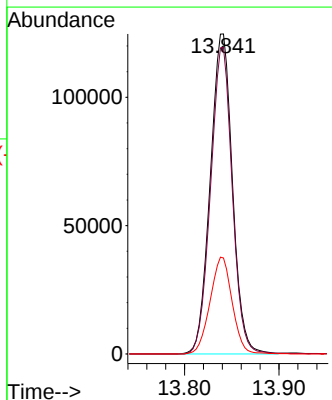
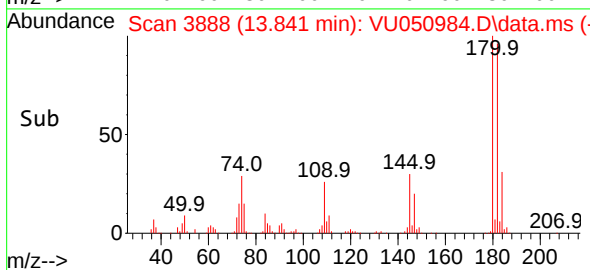
Tgt Ion:180 Resp: 243311
 Ion Ratio Lower Upper
 180 100
 182 97.4 77.0 115.4
 184 30.3 24.4 36.6
 145 29.7 23.6 35.4

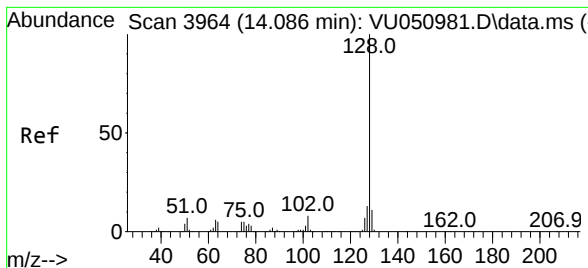


#70
 1,2,4-trichlorobenzene
 Concen: 50.474 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU050984.D
 Acq: 29 Sep 2022 16:55



Tgt Ion:180 Resp: 203131
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.9 113.9
 145 30.1 24.0 36.0





#71

Naphthalene

Concen: 57.479 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Instrument :

MSVOA_U

ClientSampleId :

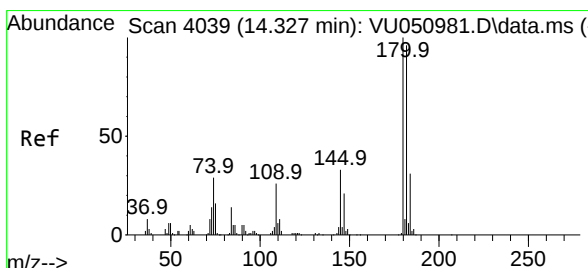
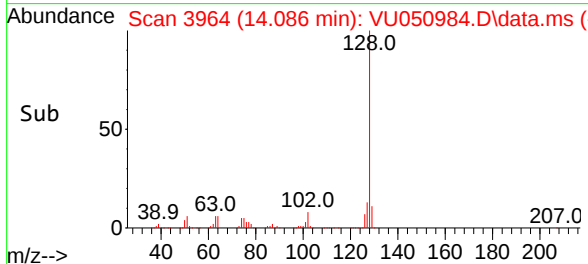
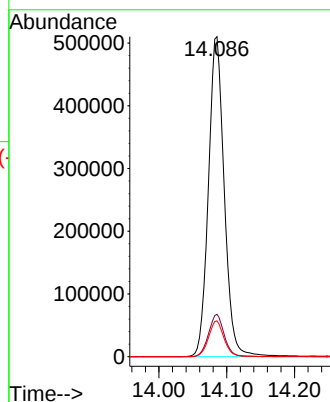
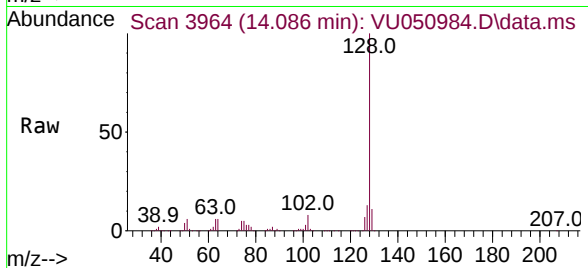
Tgt Ion:128 Resp: 827944

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 54.977 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU050984.D

Acq: 29 Sep 2022 16:55

Tgt Ion:180 Resp: 246892

Ion Ratio Lower Upper

180 100

182 93.7 76.0 114.0

145 32.4 26.1 39.1

