

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U043023\
 Data File : VU053986.D
 Acq On : 29 Apr 2023 14:54
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV022

Quant Time: May 01 02:08:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 02:01:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	305885	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	281610	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	151413	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	109507	47.335	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.680%
7) Chloroethane-d5	1.909	69	69419	45.713	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.420%
11) 1,1-Dichloroethene-d2	2.565	63	191330	46.629	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.260%
21) 2-Butanone-d5	4.626	46	133619	101.269	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.270%
24) Chloroform-d	5.057	84	197175	46.406	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.820%
26) 1,2-Dichloroethane-d4	5.694	65	125507	46.006	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.020%
32) Benzene-d6	5.723	84	391220	47.196	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.684	67	123875	47.338	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.680%
41) Toluene-d8	7.893	98	360973	48.234	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.460%
43) trans-1,3-Dichloroprop...	8.173	79	62820	48.509	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.020%
47) 2-Hexanone-d5	8.629	63	94936	101.289	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.290%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	167636	48.634	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.260%
66) 1,2-Dichlorobenzene-d4	12.189	152	143064	48.367	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	101277	45.890	ug/L	99
3) Chloromethane	1.520	50	93789	46.241	ug/L	99
5) Vinyl chloride	1.604	62	100625	46.644	ug/L	97
6) Bromomethane	1.858	94	54679	45.468	ug/L	100
8) Chloroethane	1.929	64	51389	43.714	ug/L	97
9) Trichlorofluoromethane	2.134	101	152861	44.652	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	95220	46.507	ug/L	99
12) 1,1-Dichloroethene	2.575	96	80401	45.314	ug/L	90
13) Acetone	2.636	43	112629	86.967	ug/L	99
14) Carbon disulfide	2.790	76	189040	48.003	ug/L	100
15) Methyl Acetate	2.948	43	94920	46.801	ug/L	99
16) Methylene chloride	3.041	84	95847	42.831	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	82891	45.687	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	309950	46.469	ug/L	98
19) 1,1-Dichloroethane	3.864	63	178149	45.732	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	103200	46.287	ug/L	97
22) 2-Butanone	4.703	43	147424	96.419	ug/L	99
23) Bromochloromethane	4.970	128	52017	45.001	ug/L	96
25) Chloroform	5.083	83	183317	44.595	ug/L	100

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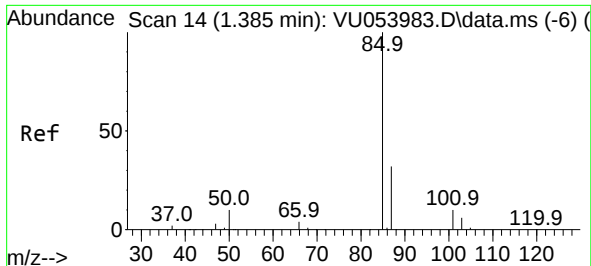
Quant Time: May 01 02:08:01 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	142156	44.959	ug/L	100
29) Cyclohexane	5.382	56	140201	48.172	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	159083	45.321	ug/L	100
31) Carbon tetrachloride	5.520	117	137287	45.846	ug/L	98
33) Benzene	5.768	78	378949	46.231	ug/L	100
34) Trichloroethene	6.536	95	99528	45.749	ug/L	98
35) Methylcyclohexane	6.758	83	146843	48.127	ug/L	98
37) 1,2-Dichloropropane	6.784	63	105491	45.490	ug/L	100
38) Bromodichloromethane	7.099	83	135192	46.273	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	171403	47.248	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	268353	99.298	ug/L	100
42) Toluene	7.964	91	403613	47.299	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	159454	46.250	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	103178	45.967	ug/L	97
46) Tetrachloroethene	8.549	164	78483	45.473	ug/L	98
48) 2-Hexanone	8.681	43	217422	101.517	ug/L	99
49) Dibromochloromethane	8.806	129	102359	46.278	ug/L	98
50) 1,2-Dibromoethane	8.919	107	105643	46.369	ug/L	98
51) Chlorobenzene	9.443	112	267083	46.796	ug/L	99
52) Ethylbenzene	9.565	91	455782	47.457	ug/L	99
53) m,p-Xylene	9.690	106	168780	46.801	ug/L	93
54) o-Xylene	10.095	106	168424	47.737	ug/L	100
55) Styrene	10.108	104	294230	48.621	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	169366	47.899	ug/L	99
59) Bromoform	10.285	173	80395	47.427	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	131156	46.634	ug/L	99
61) Isopropylbenzene	10.478	105	460156	48.144	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	377259	48.168	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	379381	49.144	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	218931	46.835	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	227965	47.884	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	222084	47.074	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	35572	49.577	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	165601	48.888	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	159728	52.014	ug/L	99
71) Naphthalene	14.082	128	523922	58.821	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	166039	54.354	ug/L	99

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

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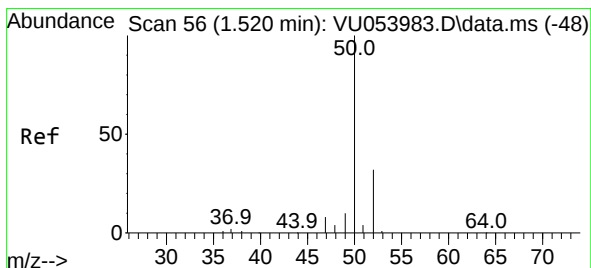
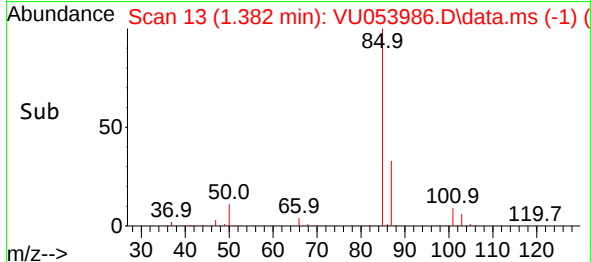
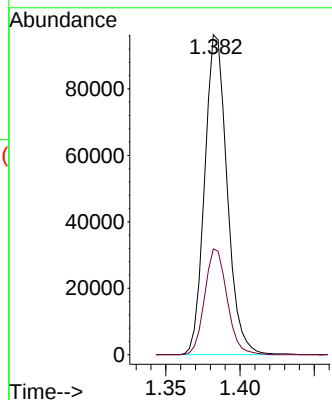
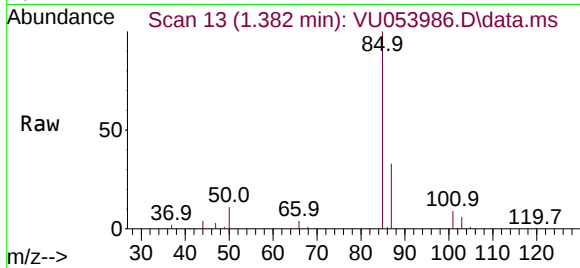




#2
 Dichlorodifluoromethane
 Concen: 45.890 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU053986.D
 Acq: 29 Apr 2023 14:54

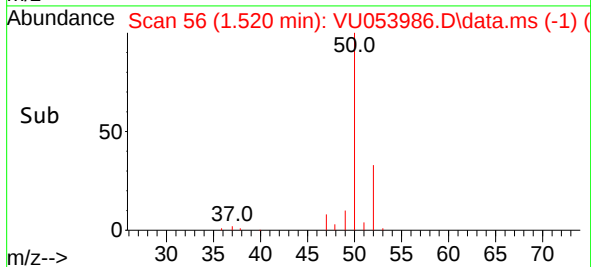
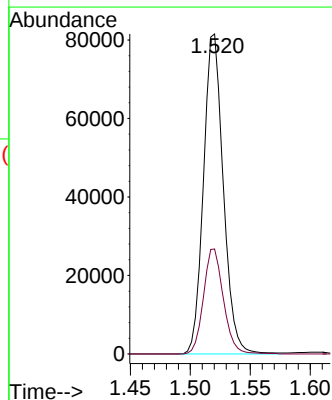
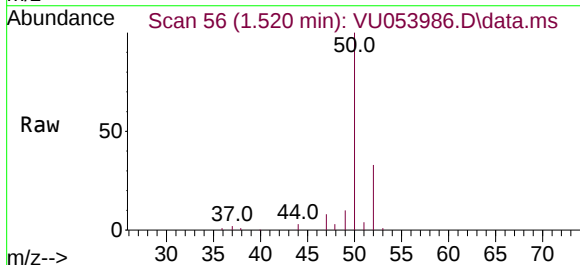
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV022

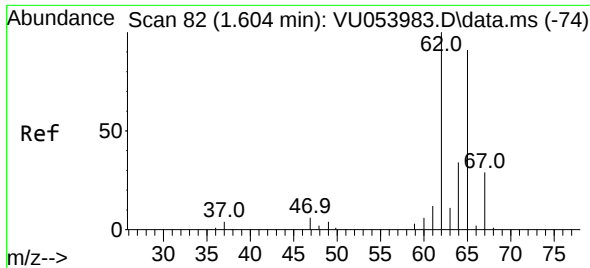
Tgt Ion: 85 Resp: 101277
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.0 39.0



#3
 Chloromethane
 Concen: 46.241 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU053986.D
 Acq: 29 Apr 2023 14:54

Tgt Ion: 50 Resp: 93789
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.4 41.6

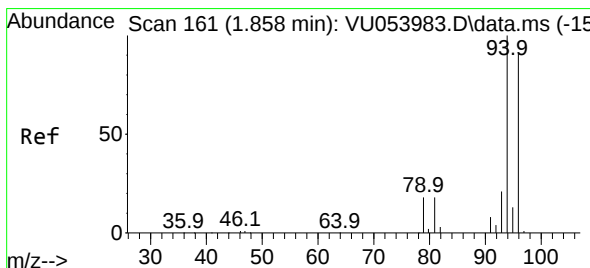
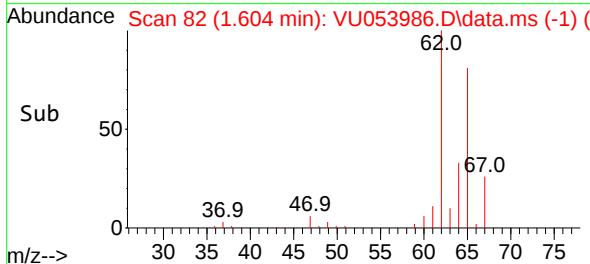
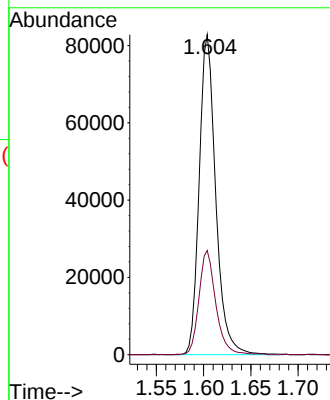
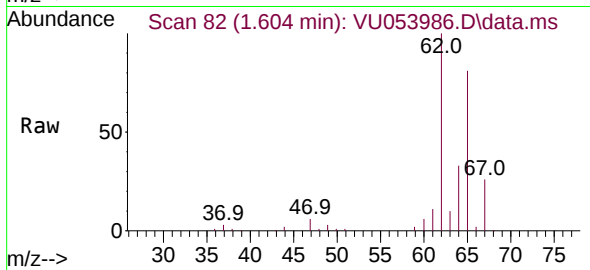




#5
 Vinyl chloride
 Concen: 46.644 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053986.D
 Acq: 29 Apr 2023 14:54

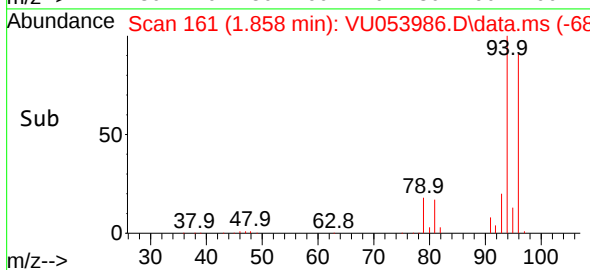
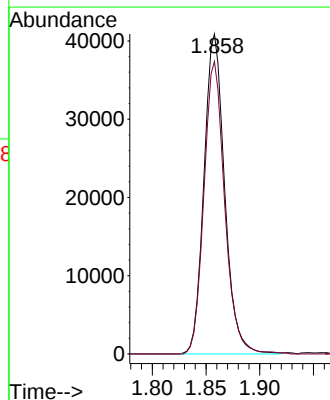
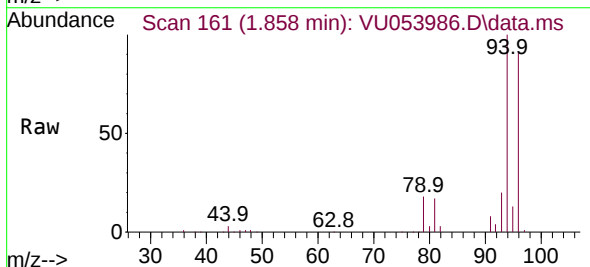
Instrument :
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 VICV022

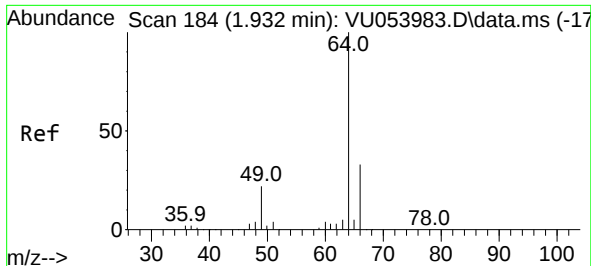
Tgt Ion: 62 Resp: 100625
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.1 44.7



#6
 Bromomethane
 Concen: 45.468 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053986.D
 Acq: 29 Apr 2023 14:54

Tgt Ion: 94 Resp: 54679
 Ion Ratio Lower Upper
 94 100
 96 91.4 63.9 118.7

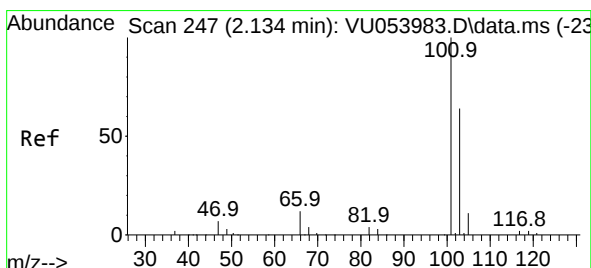
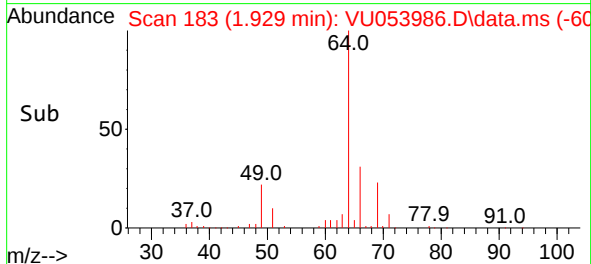
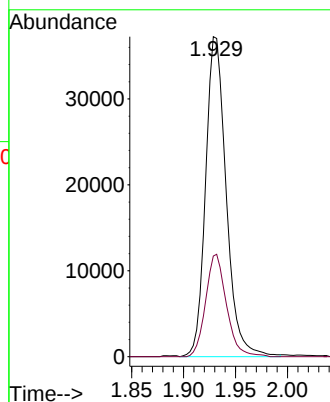
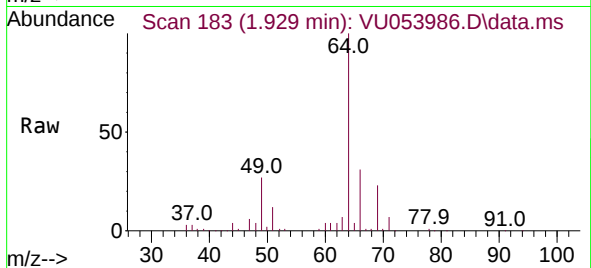




#8
Chloroethane
Concen: 43.714 ug/L
RT: 1.929 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

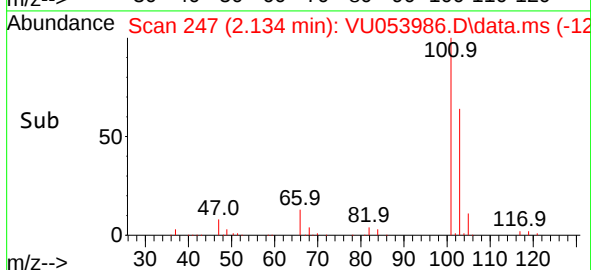
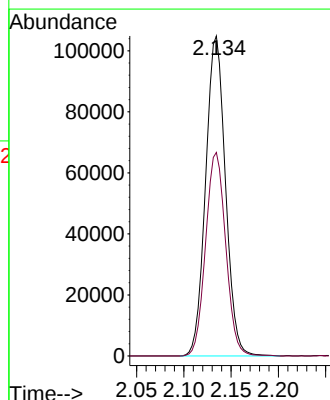
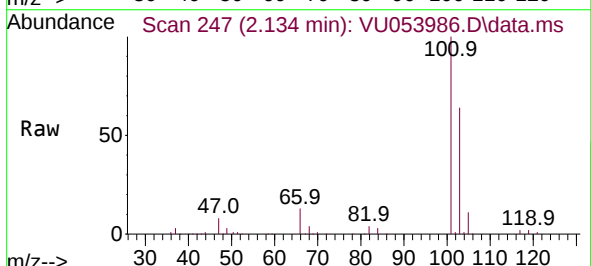
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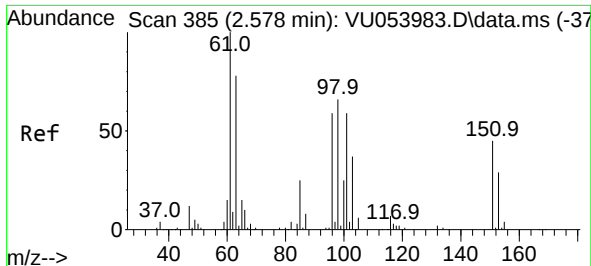
Tgt Ion: 64 Resp: 51389
Ion Ratio Lower Upper
64 100
66 31.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 44.652 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion:101 Resp: 152861
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4





#10

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

Concen: 46.507 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

VICV022

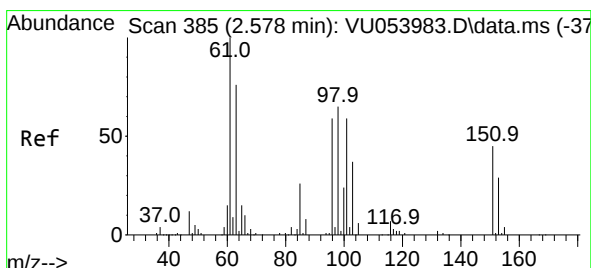
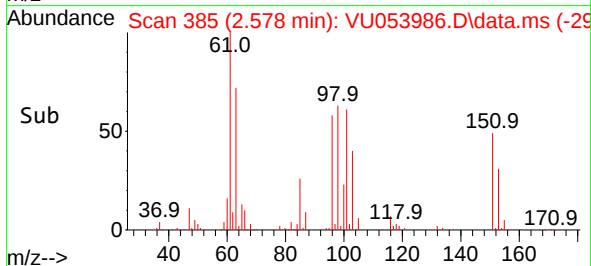
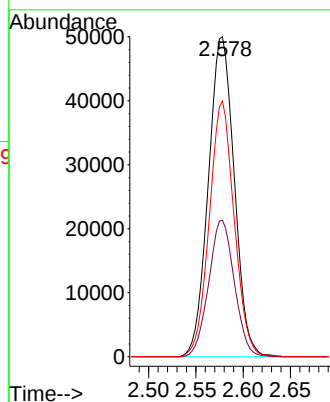
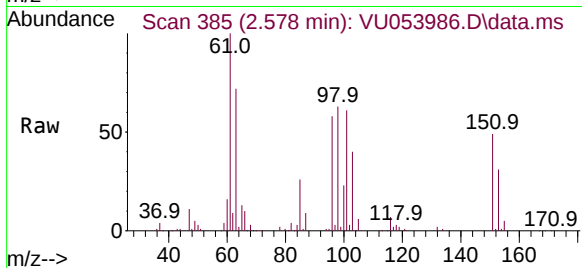
Tgt Ion:101 Resp: 95220

Ion Ratio Lower Upper

101 100

85 42.1 34.3 51.5

151 76.8 60.3 90.5



#12

1,1-Dichloroethene

Concen: 45.314 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

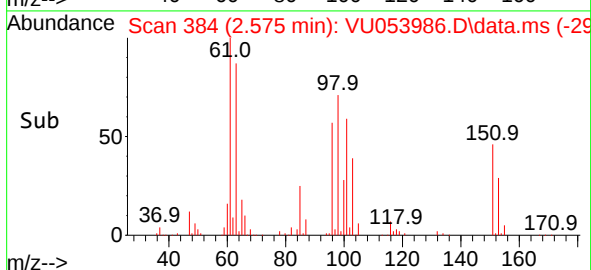
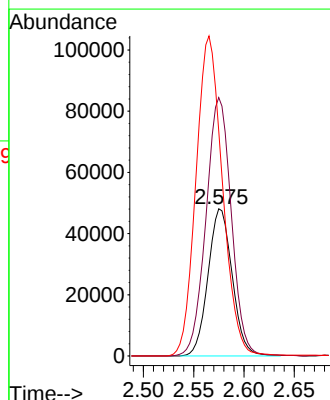
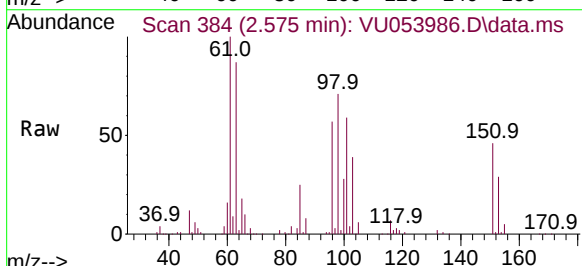
Tgt Ion: 96 Resp: 80401

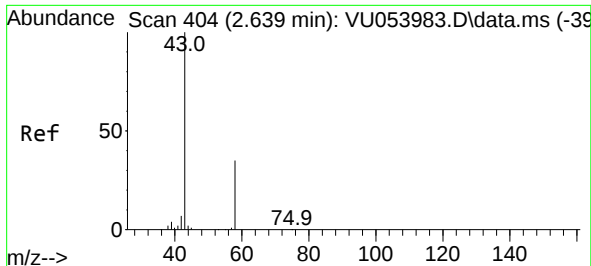
Ion Ratio Lower Upper

96 100

61 175.6 118.3 219.7

63 152.8 92.3 171.5





#13

Acetone

Concen: 86.967 ug/L

RT: 2.636 min Scan# 404

Delta R.T. -0.003 min

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ClientSampleId :

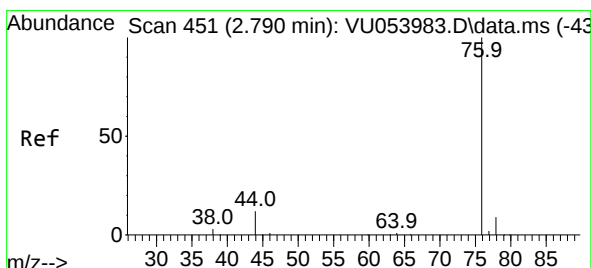
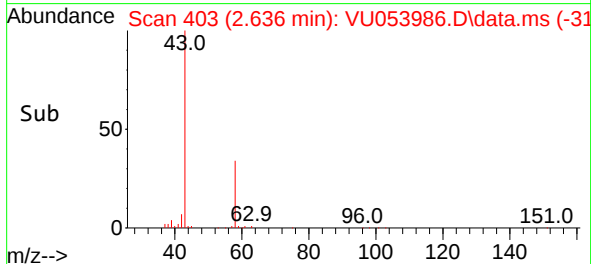
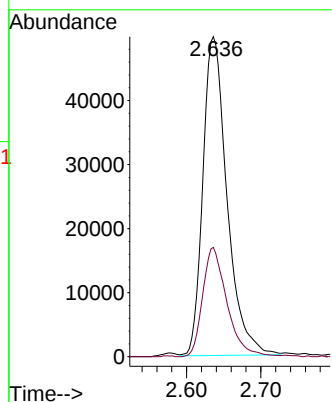
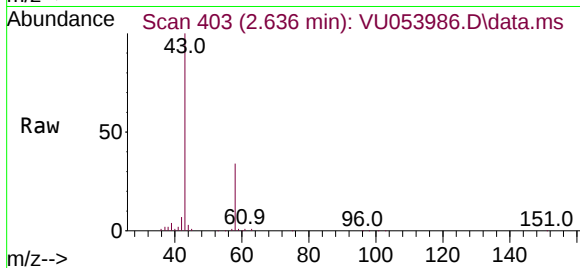
VICV022

Tgt Ion: 43 Resp: 112629

Ion Ratio Lower Upper

43 100

58 34.4 0.0 67.4



#14

Carbon disulfide

Concen: 48.003 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053986.D

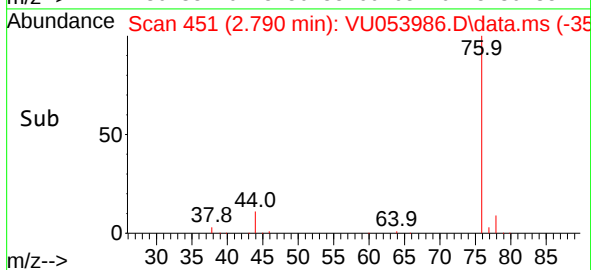
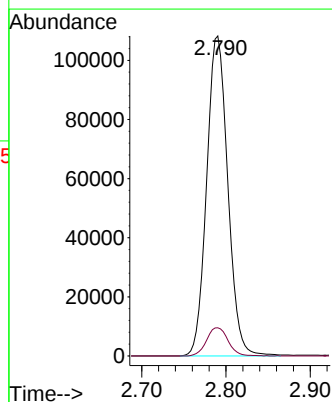
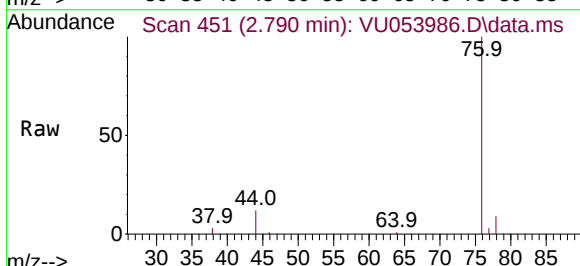
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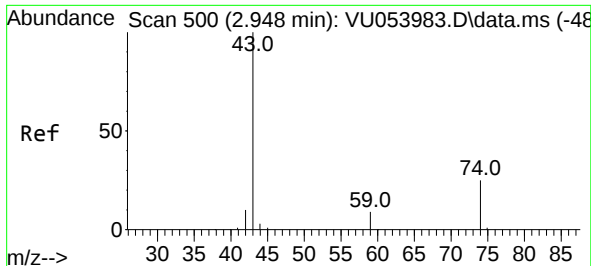
Tgt Ion: 76 Resp: 189040

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

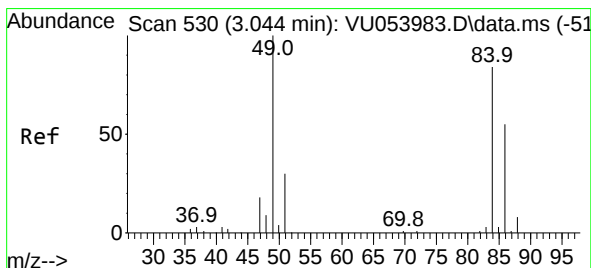
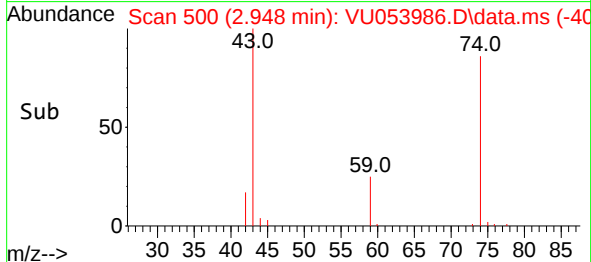
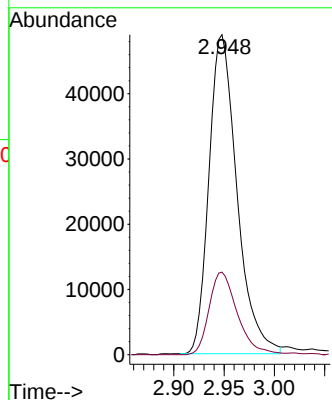
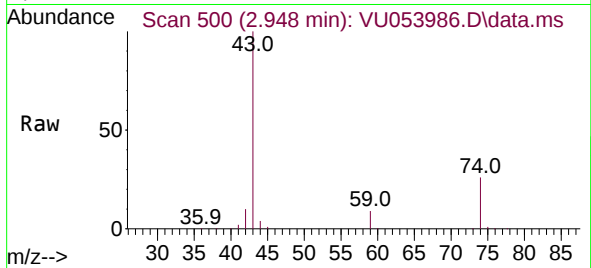




#15
Methyl Acetate
Concen: 46.801 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

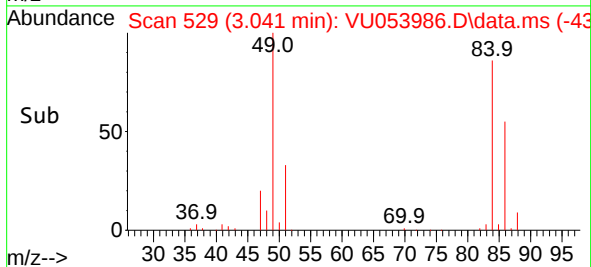
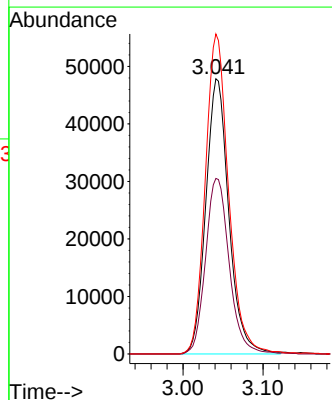
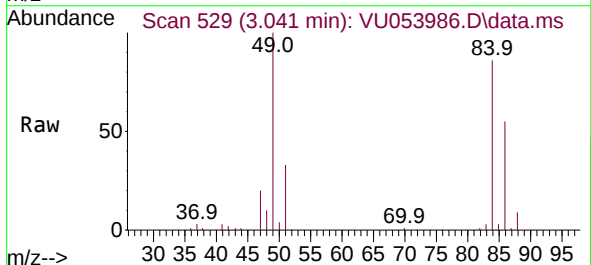
Instrument :
MSVOA_U
ClientSampleId :
VICV022

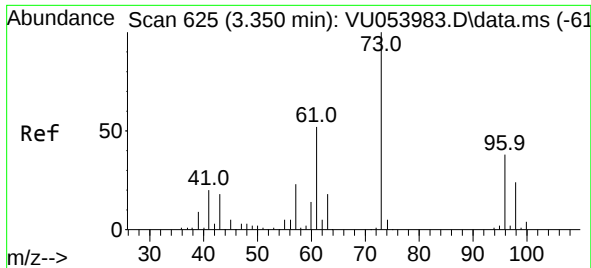
Tgt Ion: 43 Resp: 94920
Ion Ratio Lower Upper
43 100
74 26.0 21.2 31.8



#16
Methylene chloride
Concen: 42.831 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion: 84 Resp: 95847
Ion Ratio Lower Upper
84 100
86 63.8 45.8 85.2
49 116.3 83.0 154.2

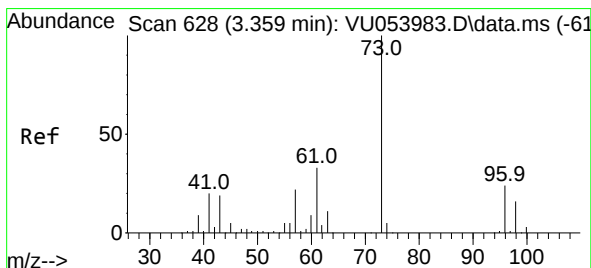
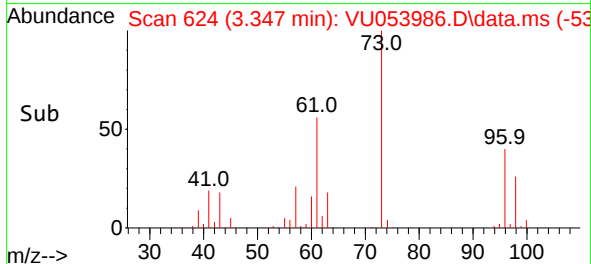
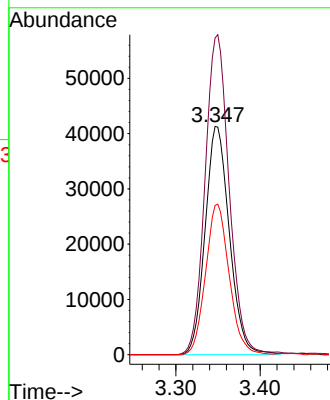
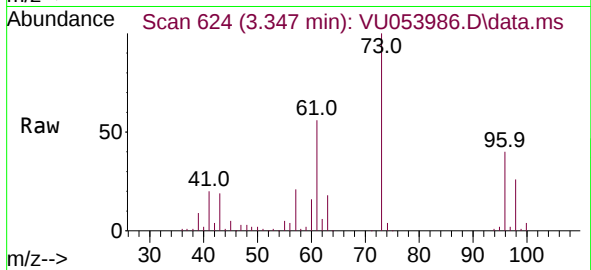




#17
trans-1,2-Dichloroethene
Concen: 45.687 ug/L
RT: 3.347 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

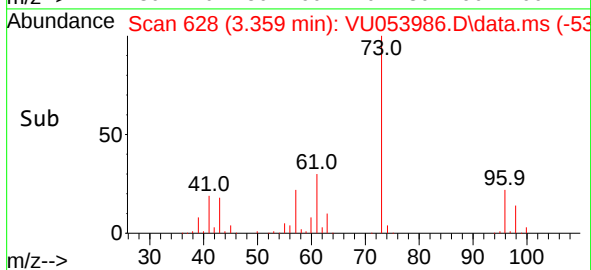
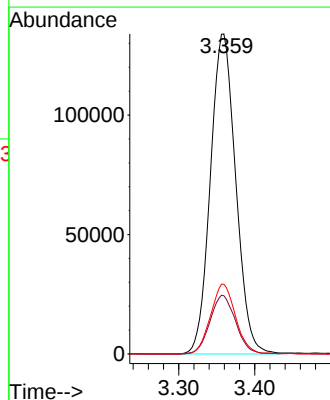
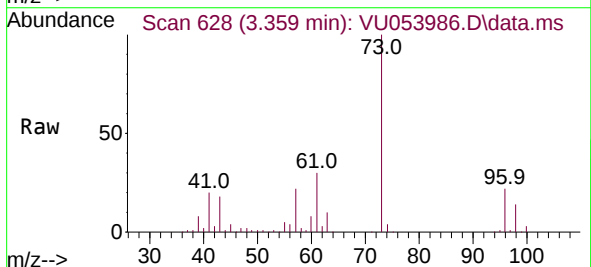
Instrument :
MSVOA_U
ClientSampleId :
VICV022

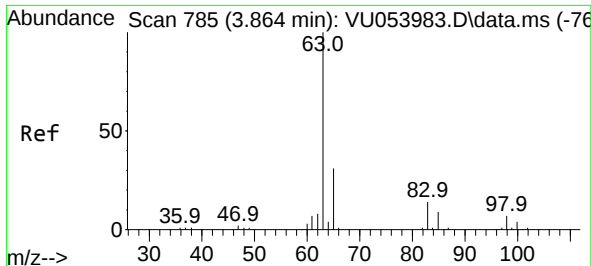
Tgt Ion: 96 Resp: 82891
Ion Ratio Lower Upper
96 100
61 138.8 97.5 181.1
98 65.4 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 46.469 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion: 73 Resp: 309950
Ion Ratio Lower Upper
73 100
43 18.6 15.4 23.0
57 21.5 18.0 27.0





#19

1,1-Dichloroethane

Concen: 45.732 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

VICV022

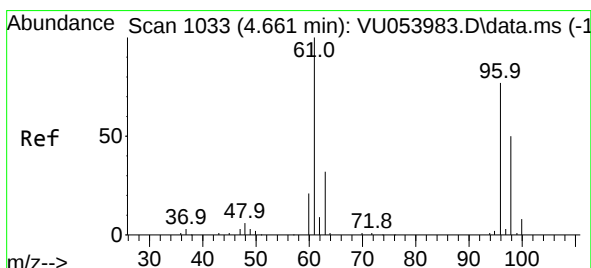
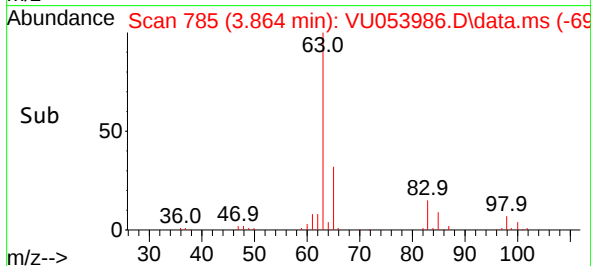
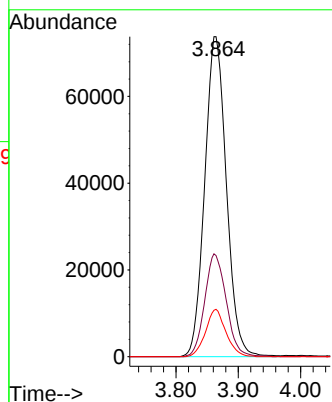
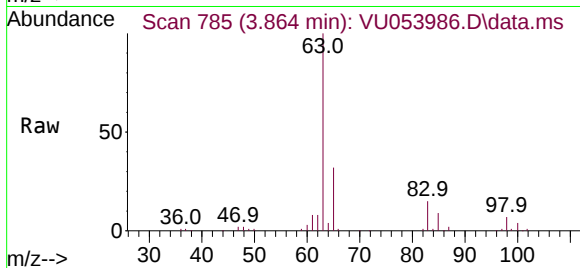
Tgt Ion: 63 Resp: 178149

Ion Ratio Lower Upper

63 100

65 31.6 22.0 40.8

83 14.8 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 46.287 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

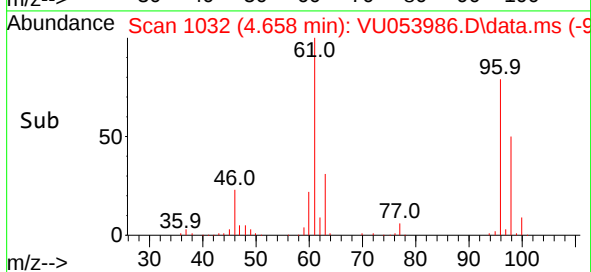
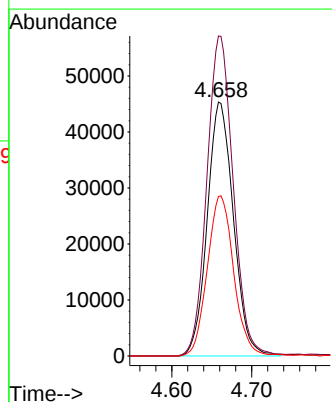
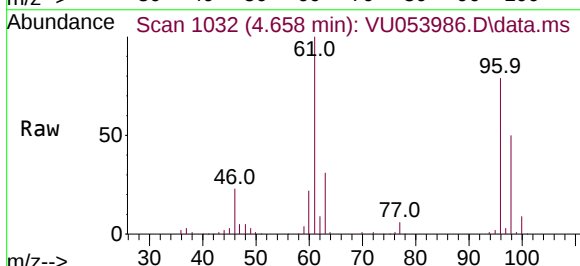
Tgt Ion: 96 Resp: 103200

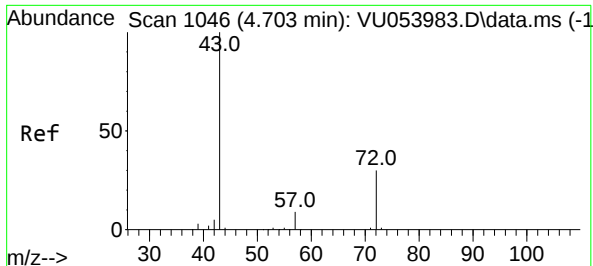
Ion Ratio Lower Upper

96 100

61 126.1 90.9 168.9

98 62.8 45.7 84.9





#22

2-Butanone

Concen: 96.419 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

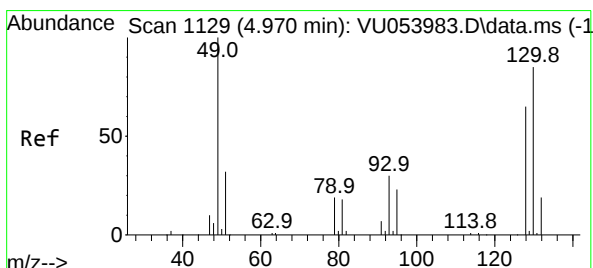
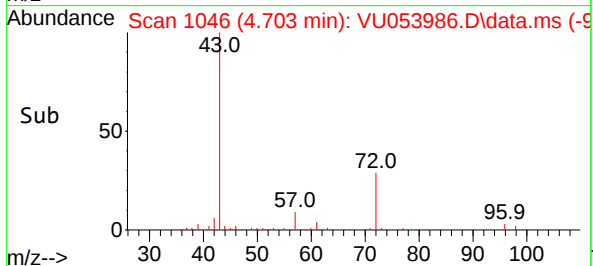
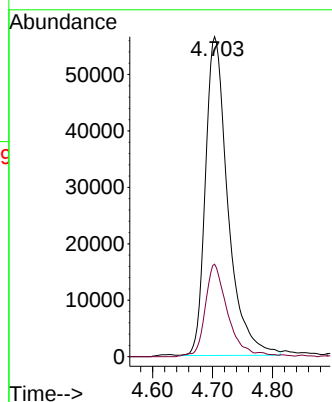
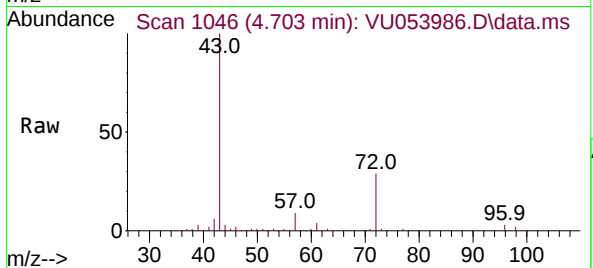
VICV022

Tgt Ion: 43 Resp: 147424

Ion Ratio Lower Upper

43 100

72 28.3 14.0 41.9



#23

Bromochloromethane

Concen: 45.001 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Tgt Ion:128 Resp: 52017

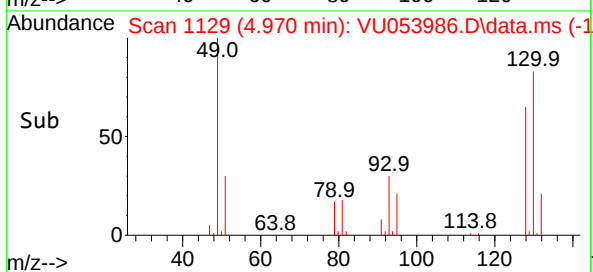
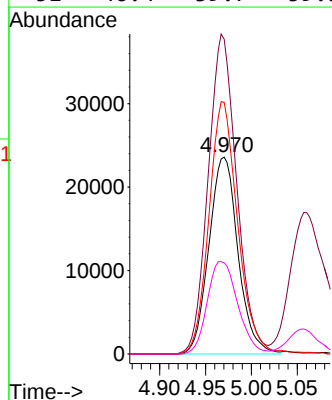
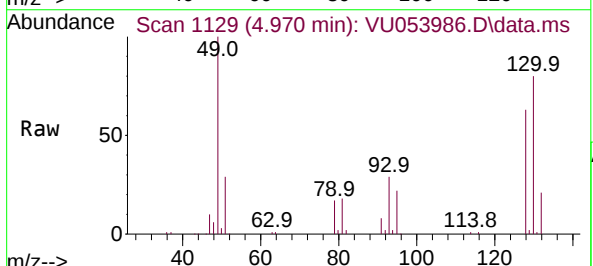
Ion Ratio Lower Upper

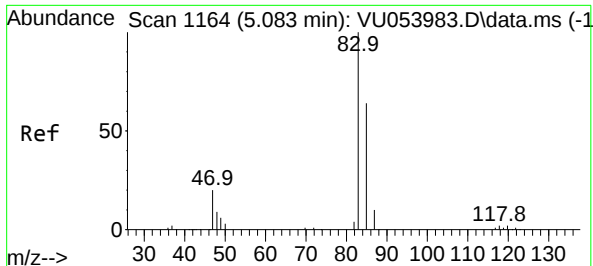
128 100

49 159.9 107.5 199.7

130 127.9 91.0 169.0

51 46.4 39.7 59.5





#25

Chloroform

Concen: 44.595 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

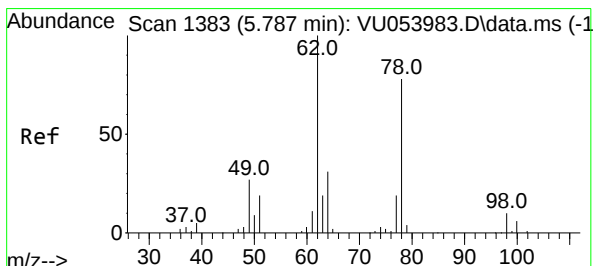
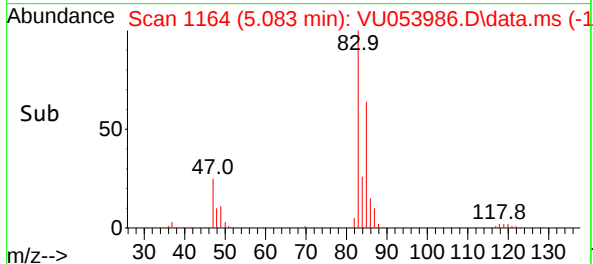
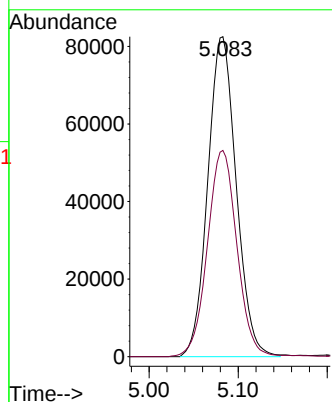
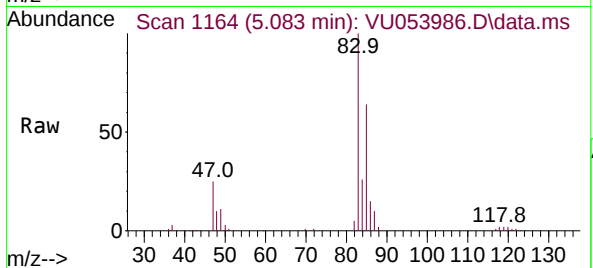
VICV022

Tgt Ion: 83 Resp: 183317

Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0



#27

1,2-Dichloroethane

Concen: 44.959 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU053986.D

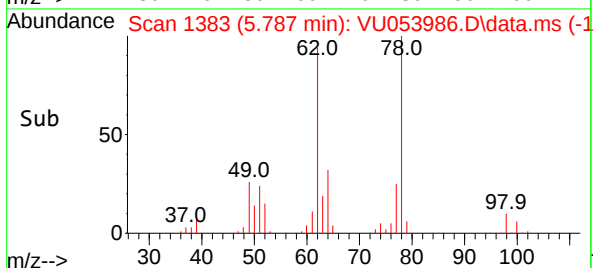
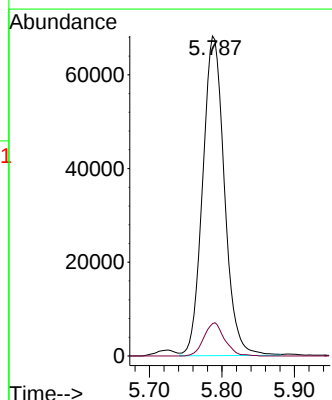
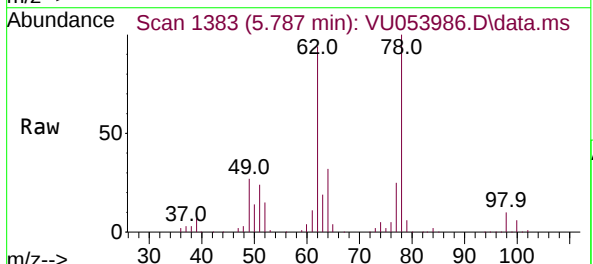
Acq: 29 Apr 2023 14:54

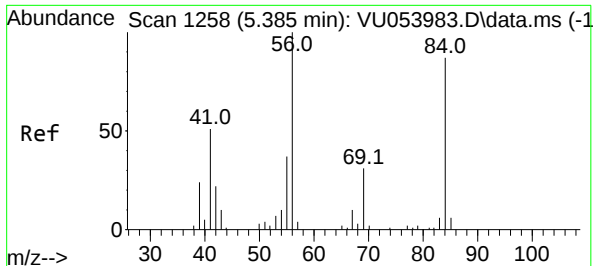
Tgt Ion: 62 Resp: 142156

Ion Ratio Lower Upper

62 100

98 10.1 8.0 12.0





#29

Cyclohexane

Concen: 48.172 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

VICV022

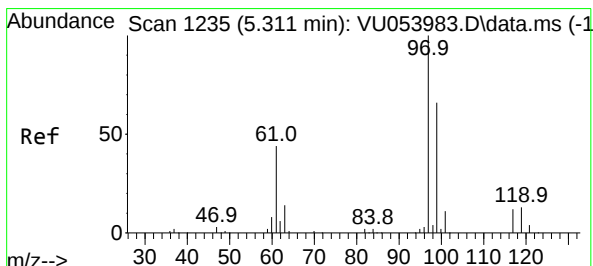
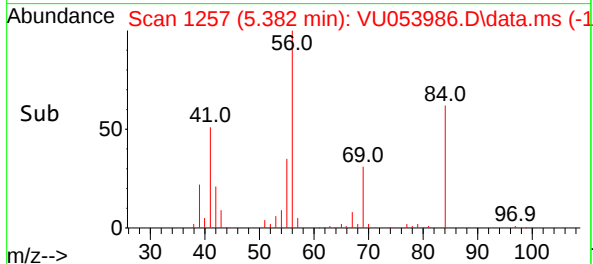
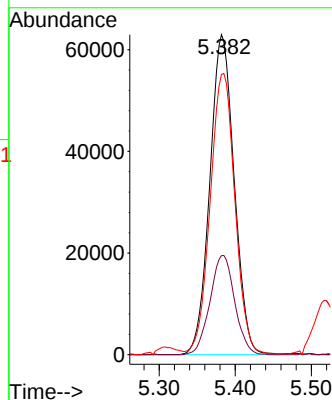
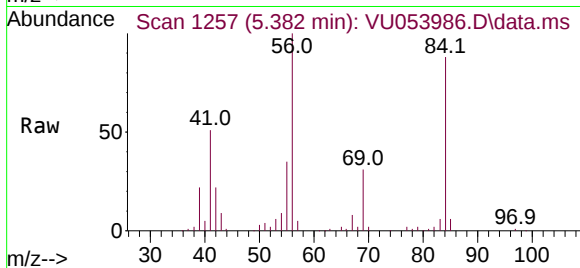
Tgt Ion: 56 Resp: 140201

Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.6

84 88.5 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 45.321 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

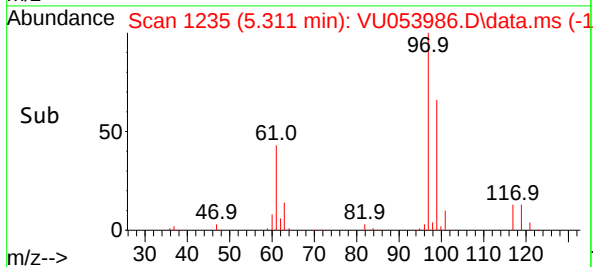
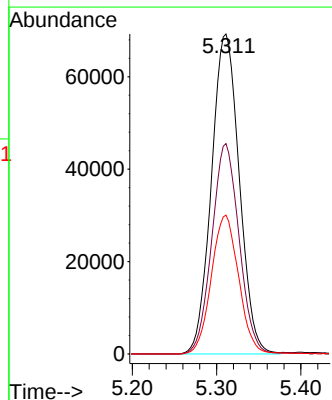
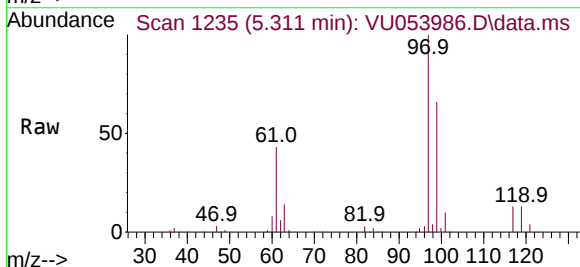
Tgt Ion: 97 Resp: 159083

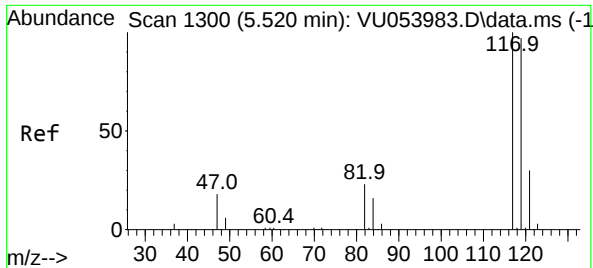
Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

61 42.7 34.2 51.4

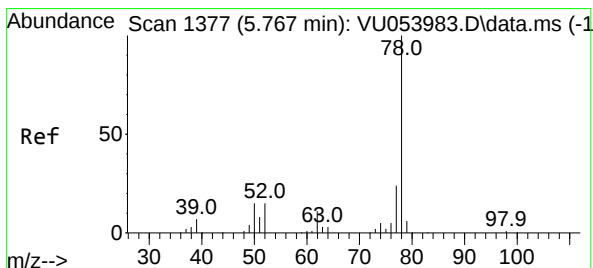
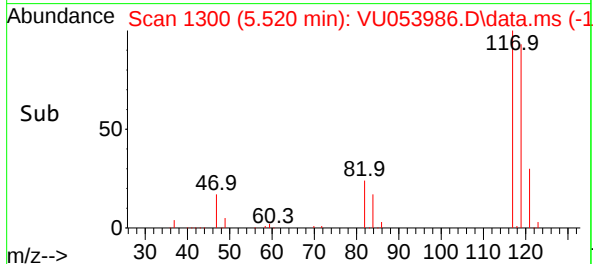
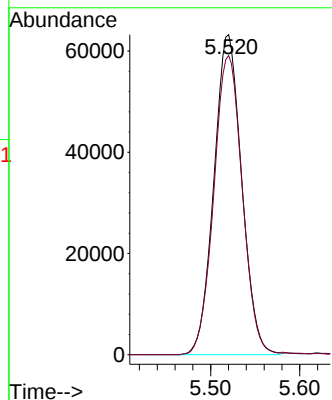
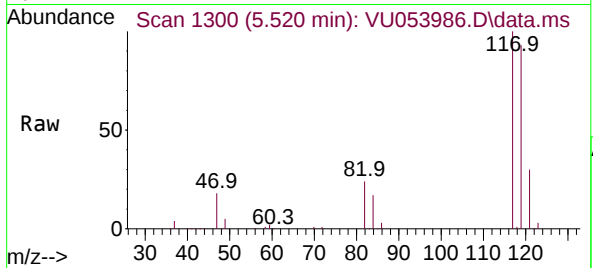




#31
Carbon tetrachloride
Concen: 45.846 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

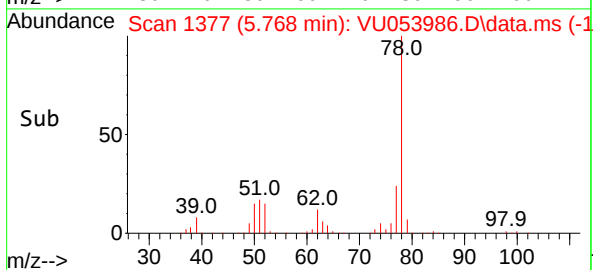
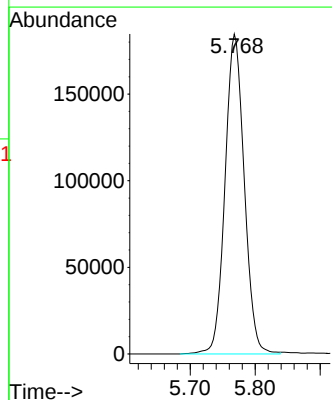
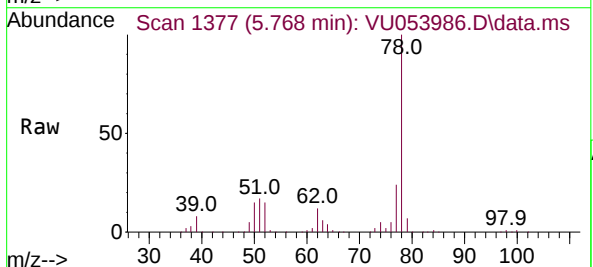
Instrument :
MSVOA_U
ClientSampleId :
VICV022

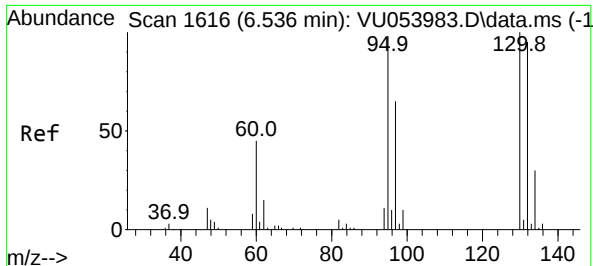
Tgt Ion:117 Resp: 137287
Ion Ratio Lower Upper
117 100
119 95.4 77.8 116.6



#33
Benzene
Concen: 46.231 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion: 78 Resp: 378949





#34

Trichloroethene

Concen: 45.749 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

VICV022

Tgt Ion: 95 Resp: 99528

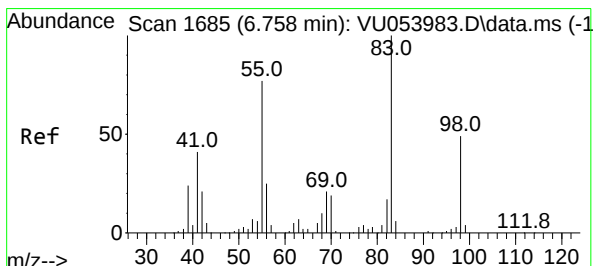
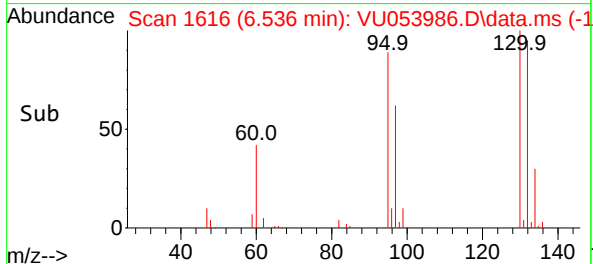
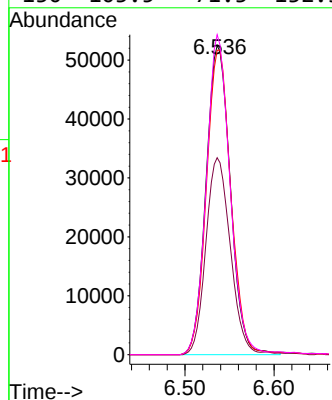
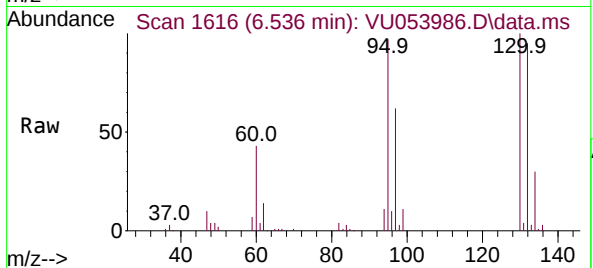
Ion Ratio Lower Upper

95 100

97 63.7 46.5 86.3

132 98.4 67.8 126.0

130 103.5 71.3 132.3



#35

Methylcyclohexane

Concen: 48.127 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

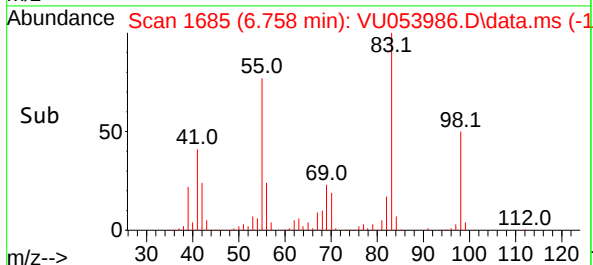
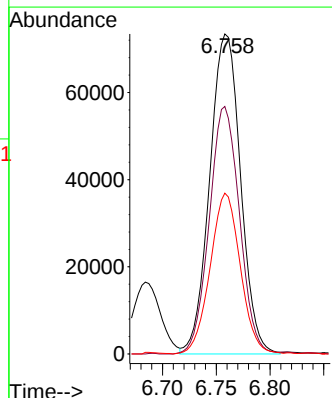
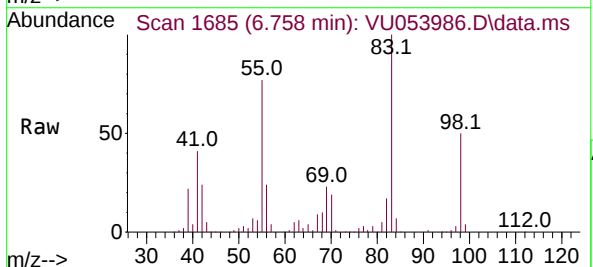
Tgt Ion: 83 Resp: 146843

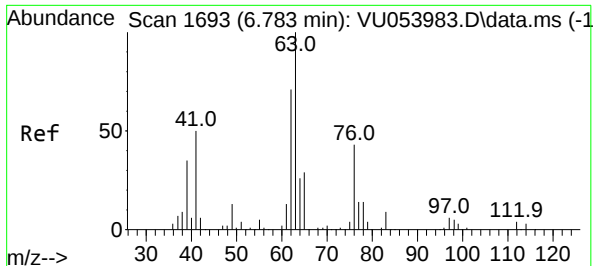
Ion Ratio Lower Upper

83 100

55 75.6 61.8 92.6

98 49.1 38.4 57.6





#37

1,2-Dichloropropane

Concen: 45.490 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

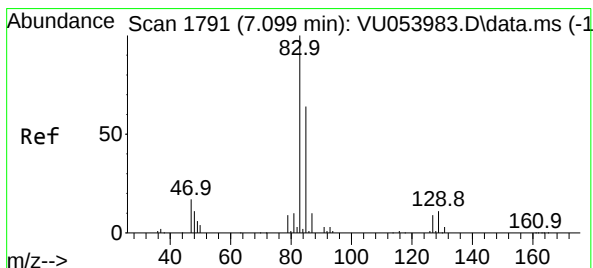
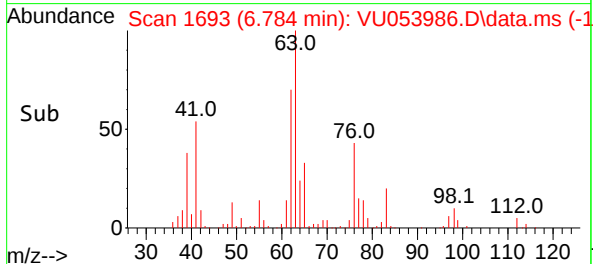
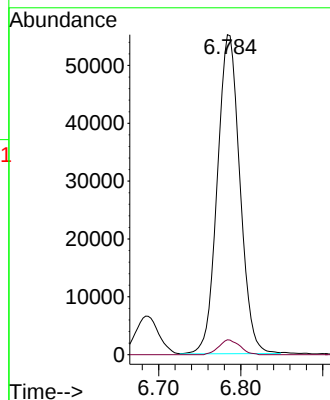
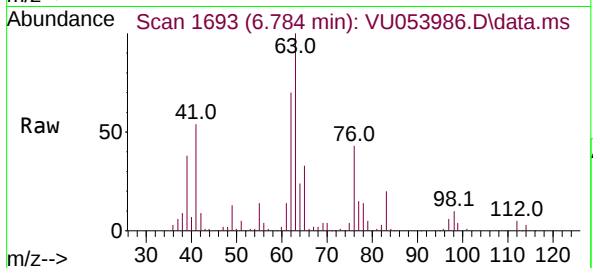
VICV022

Tgt Ion: 63 Resp: 105491

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.0



#38

Bromodichloromethane

Concen: 46.273 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

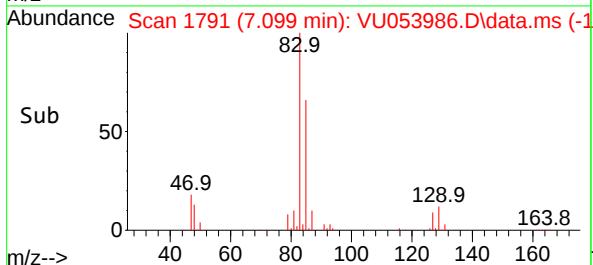
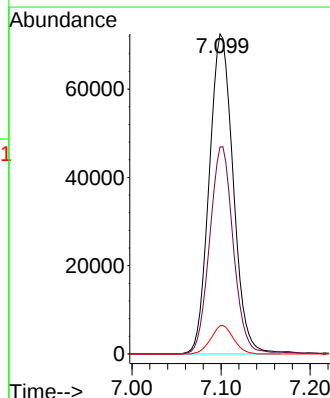
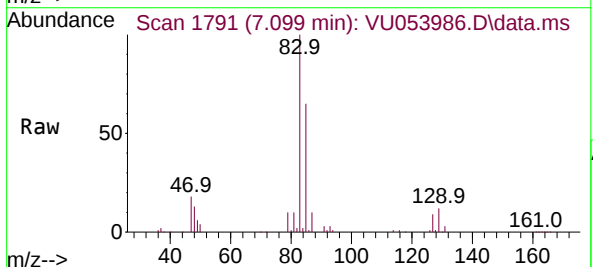
Tgt Ion: 83 Resp: 135192

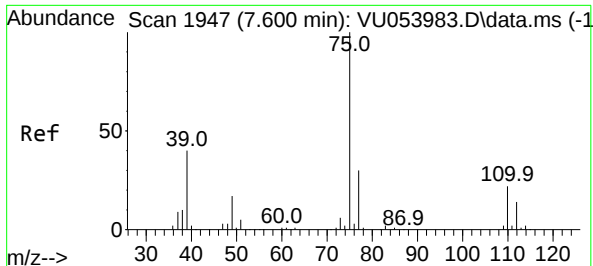
Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

127 8.8 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 47.248 ug/L

RT: 7.604 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

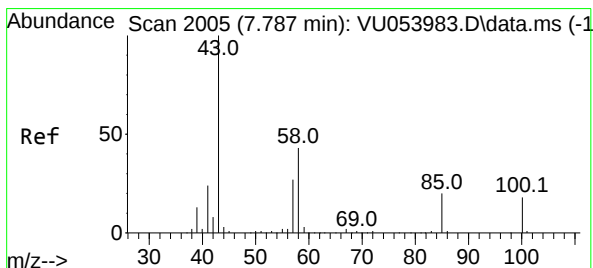
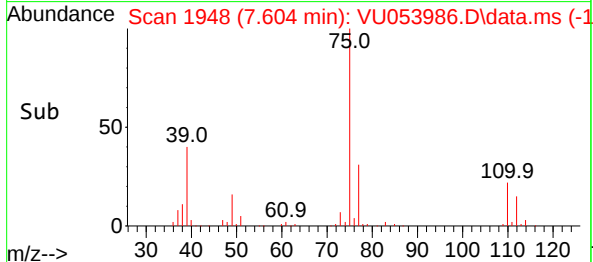
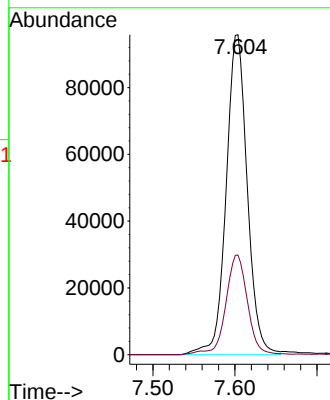
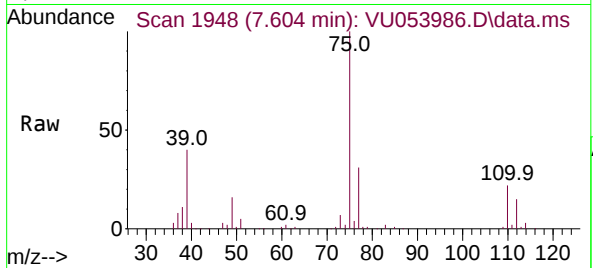
VICV022

Tgt Ion: 75 Resp: 171403

Ion Ratio Lower Upper

75 100

77 31.1 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 99.298 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

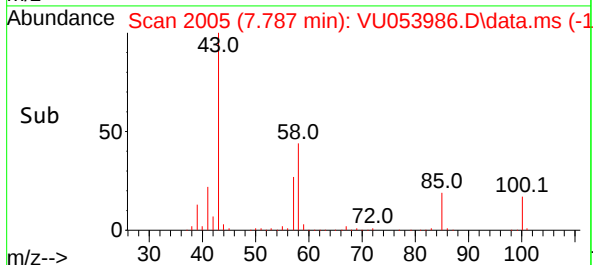
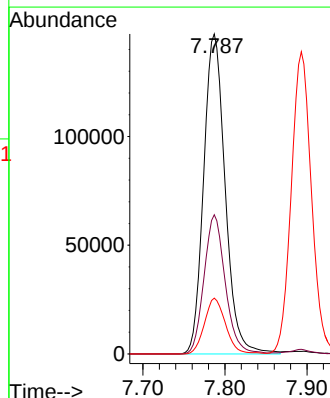
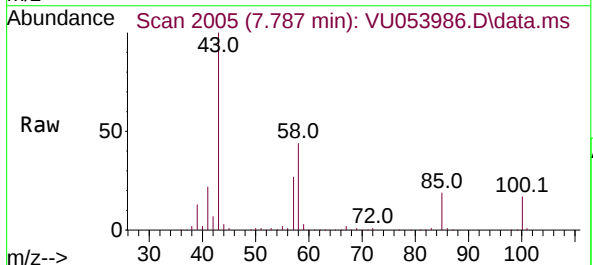
Tgt Ion: 43 Resp: 268353

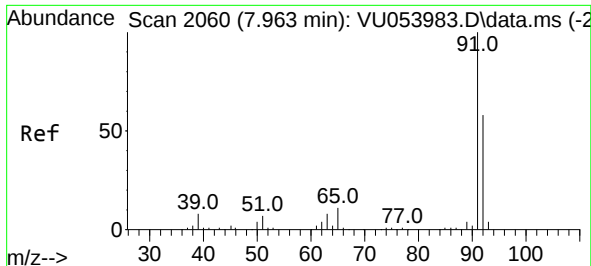
Ion Ratio Lower Upper

43 100

58 42.9 34.5 51.7

100 17.0 13.8 20.6





#42

Toluene

Concen: 47.299 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

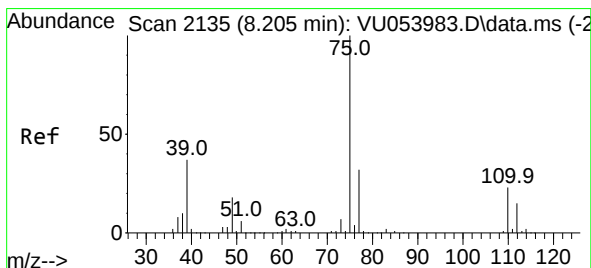
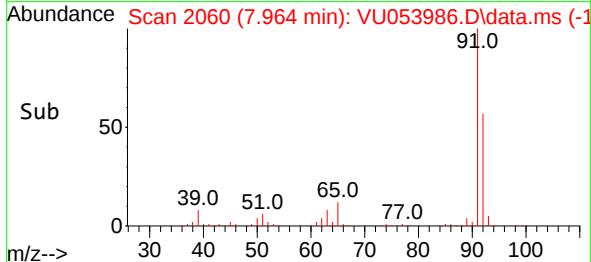
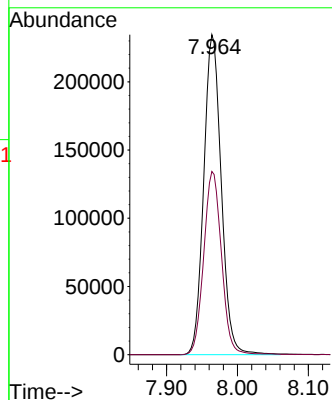
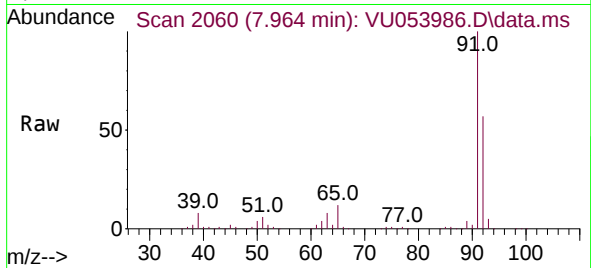
VICV022

Tgt Ion: 91 Resp: 403613

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 46.250 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053986.D

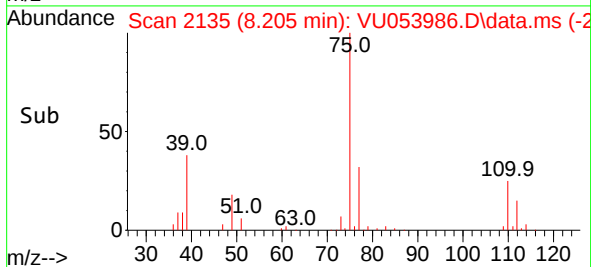
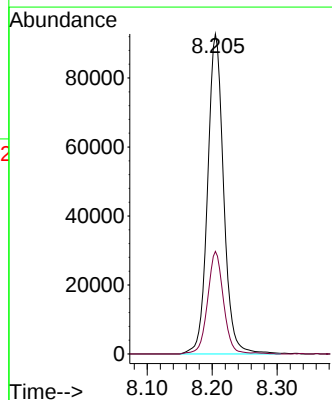
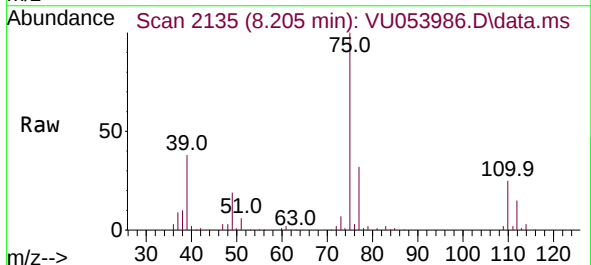
Acq: 29 Apr 2023 14:54

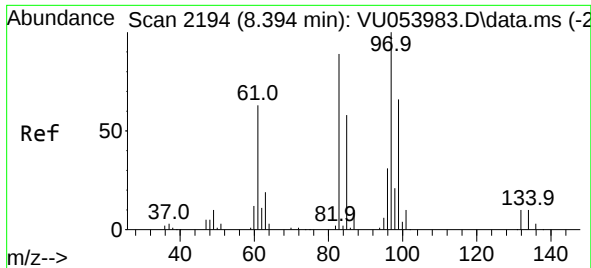
Tgt Ion: 75 Resp: 159454

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7

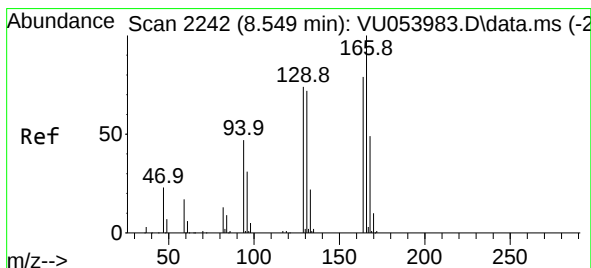
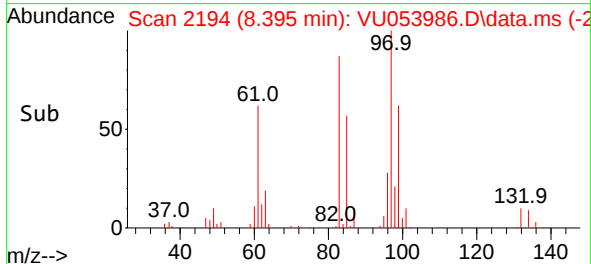
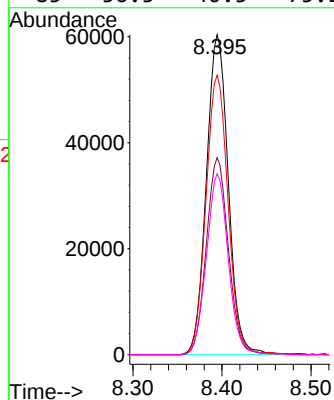
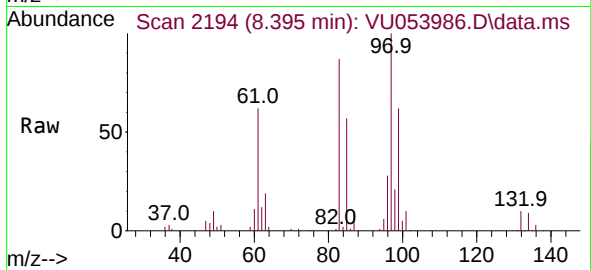




#45
1,1,2-Trichloroethane
Concen: 45.967 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

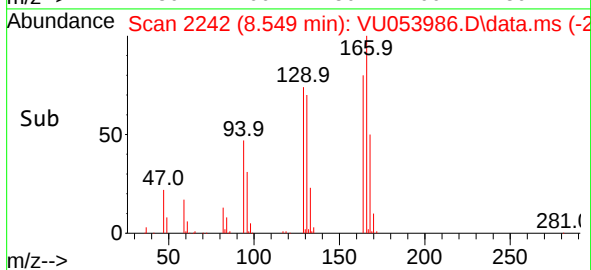
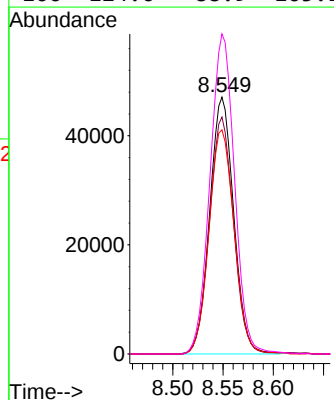
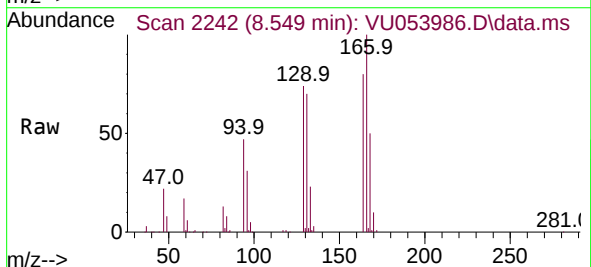
Instrument :
MSVOA_U
ClientSampleId :
VICV022

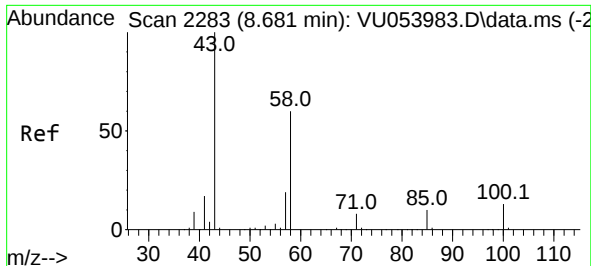
Tgt Ion:	97	Resp:	103178
Ion	Ratio	Lower	Upper
97	100		
99	61.6	46.2	85.8
83	87.3	62.7	116.5
85	56.5	40.5	75.1



#46
Tetrachloroethene
Concen: 45.473 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion:	164	Resp:	78483
Ion	Ratio	Lower	Upper
164	100		
129	92.3	65.6	121.8
131	87.3	63.8	118.4
166	124.6	88.9	165.1



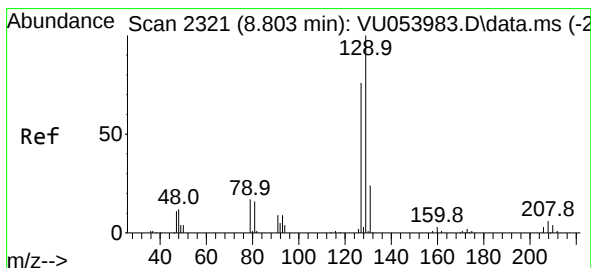
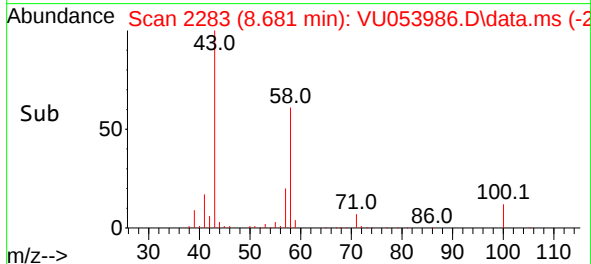
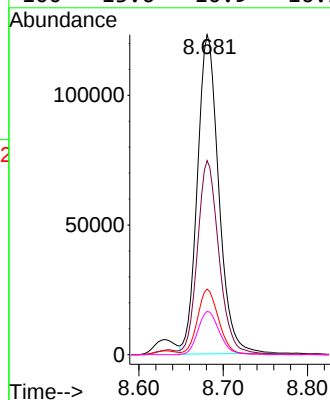
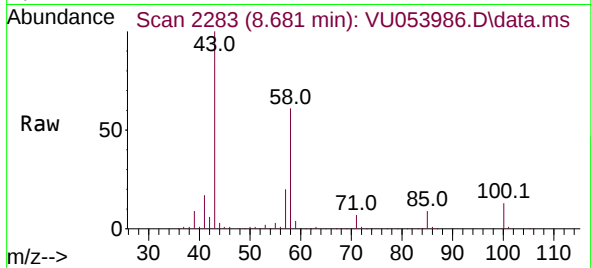


#48
2-Hexanone
Concen: 101.517 ug/L
RT: 8.681 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Instrument :
MSVOA_U
ClientSampleId :
VICV022

Tgt Ion: 43 Resp: 217422

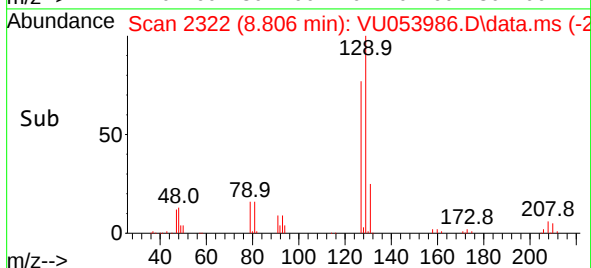
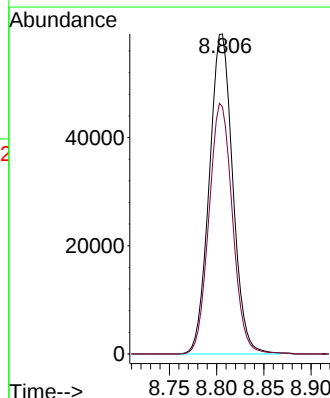
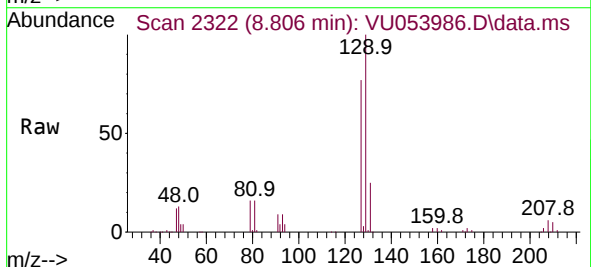
Ion	Ratio	Lower	Upper
43	100		
58	61.4	48.5	72.7
57	20.1	16.5	24.7
100	13.6	10.9	16.3

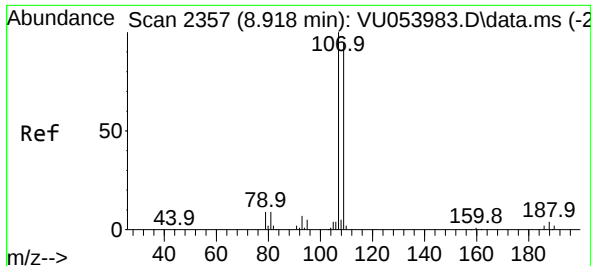


#49
Dibromochloromethane
Concen: 46.278 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion: 129 Resp: 102359

Ion	Ratio	Lower	Upper
129	100		
127	77.3	52.9	98.3





#50

1,2-Dibromoethane

Concen: 46.369 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

VICV022

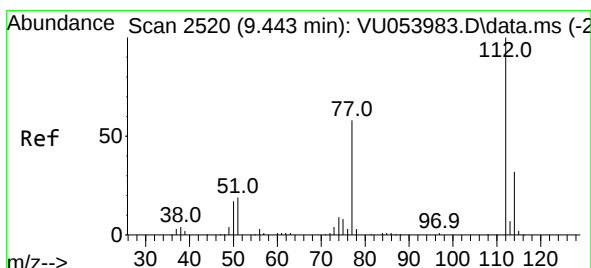
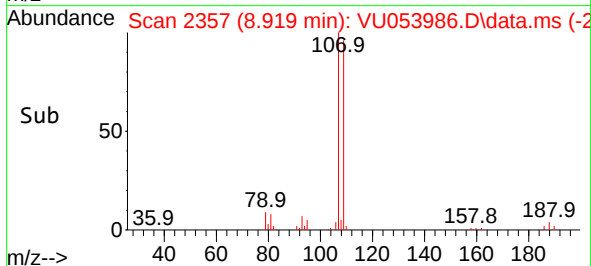
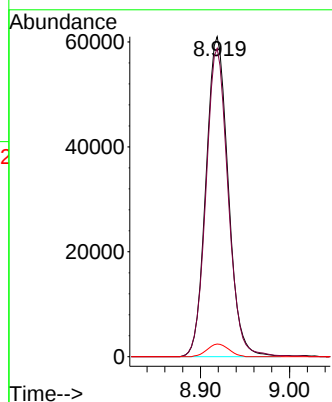
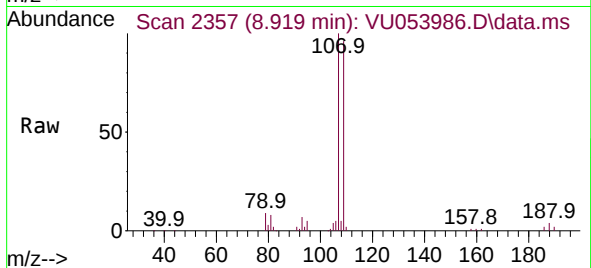
Tgt Ion:107 Resp: 105643

Ion Ratio Lower Upper

107 100

109 96.3 66.1 122.8

188 4.0 3.1 4.7



#51

Chlorobenzene

Concen: 46.796 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

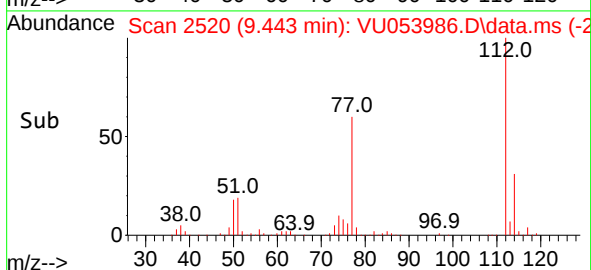
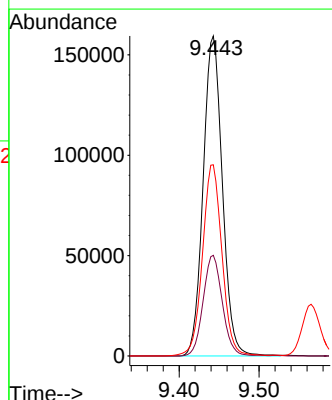
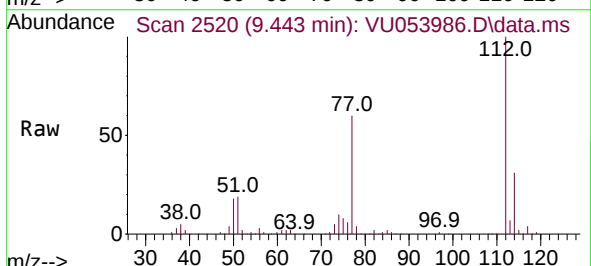
Tgt Ion:112 Resp: 267083

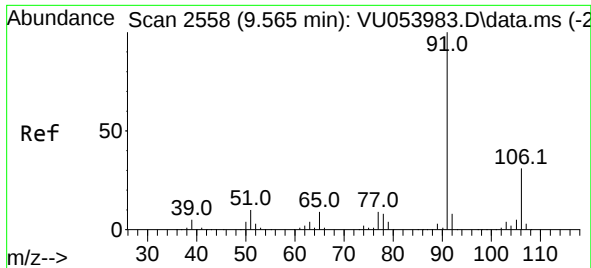
Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.3

77 59.8 47.0 70.4

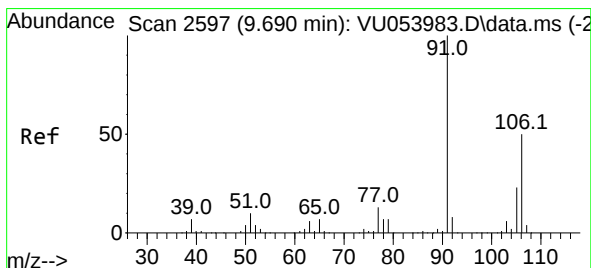
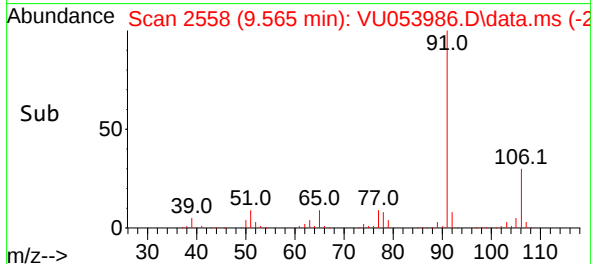
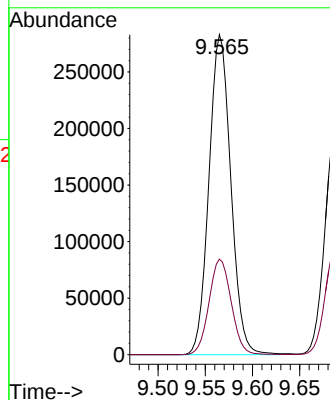
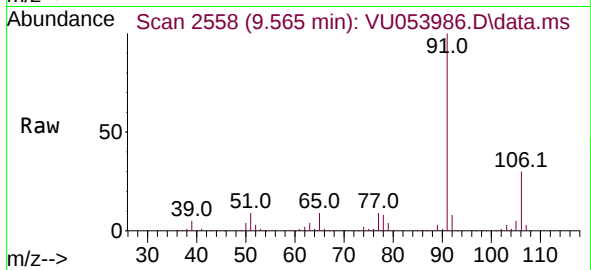




#52
Ethylbenzene
Concen: 47.457 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

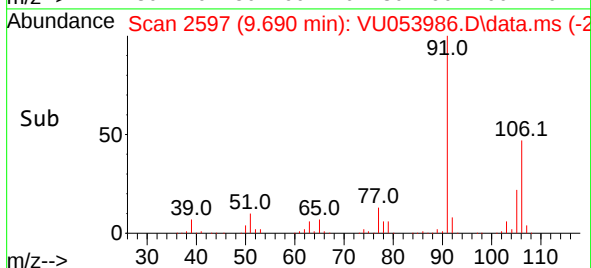
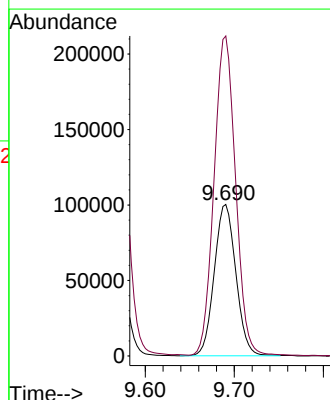
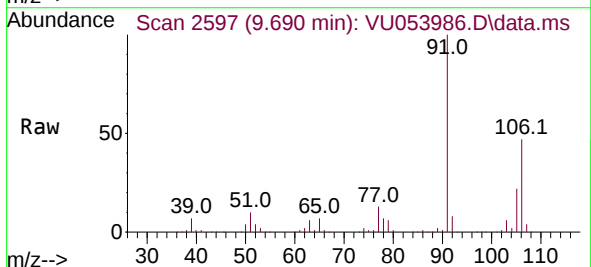
Instrument :
MSVOA_U
ClientSampleId :
VICV022

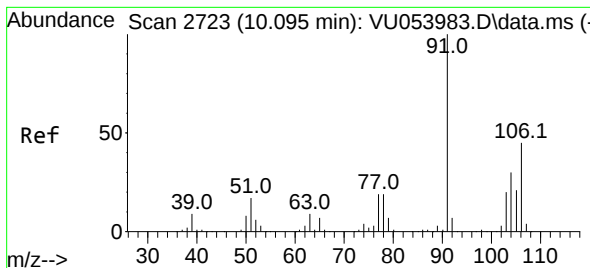
Tgt Ion: 91 Resp: 455782
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.6



#53
m,p-Xylene
Concen: 46.801 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion: 106 Resp: 168780
Ion Ratio Lower Upper
106 100
91 211.2 140.5 260.9





#54

o-Xylene

Concen: 47.737 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

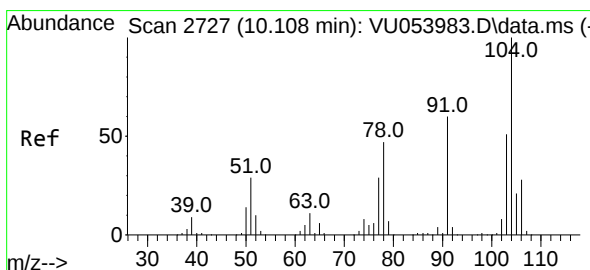
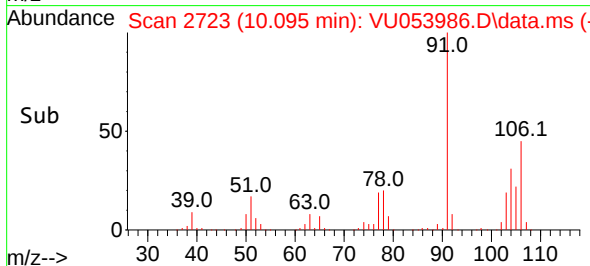
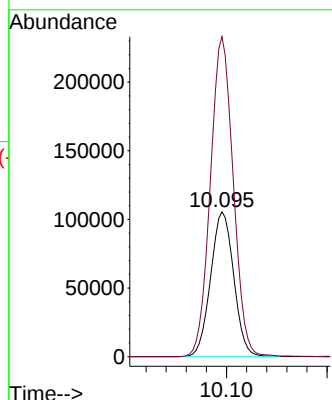
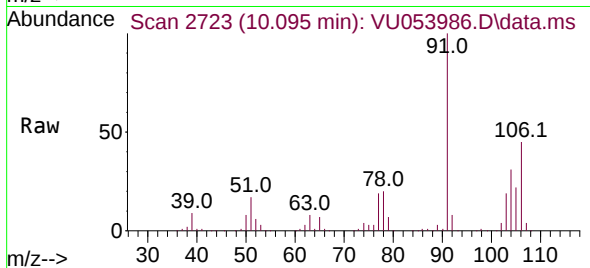
VICV022

Tgt Ion:106 Resp: 168424

Ion Ratio Lower Upper

106 100

91 221.0 154.9 287.7



#55

Styrene

Concen: 48.621 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053986.D

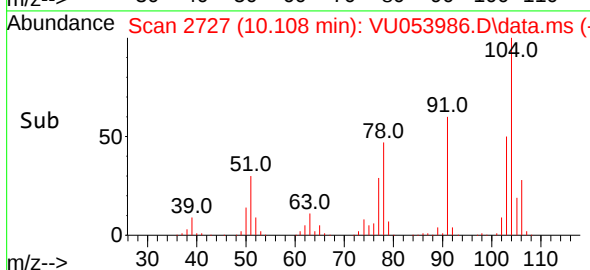
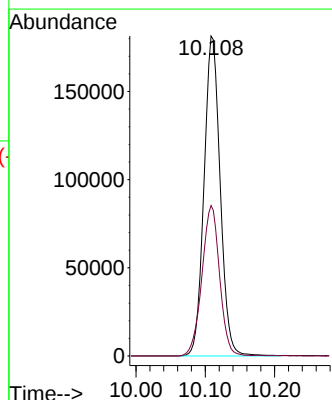
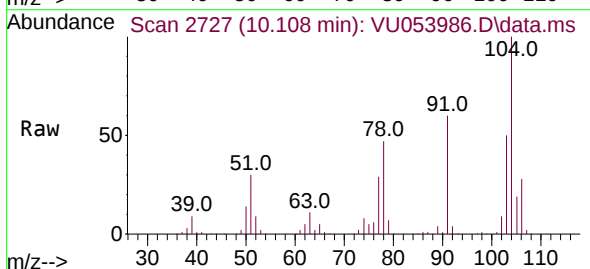
Acq: 29 Apr 2023 14:54

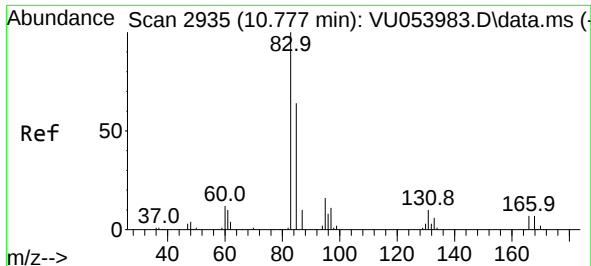
Tgt Ion:104 Resp: 294230

Ion Ratio Lower Upper

104 100

78 47.0 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 47.899 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

VICV022

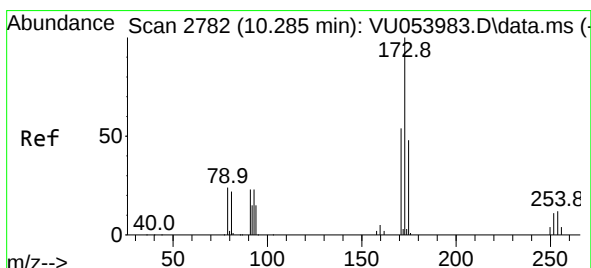
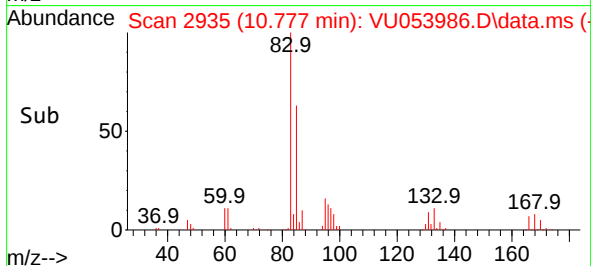
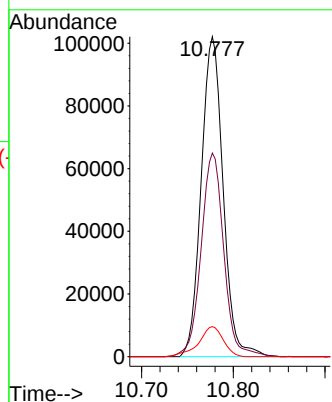
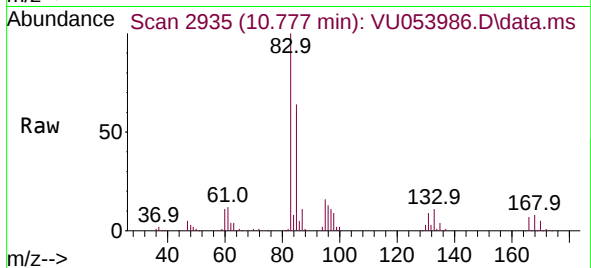
Tgt Ion: 83 Resp: 169366

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

131 9.4 8.2 12.2



#59

Bromoform

Concen: 47.427 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

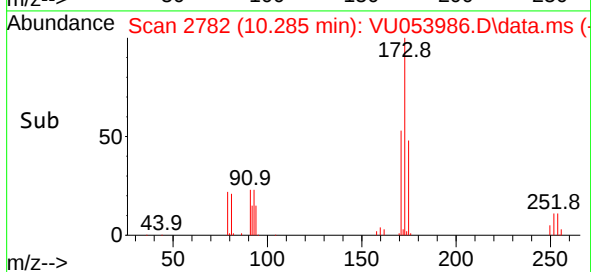
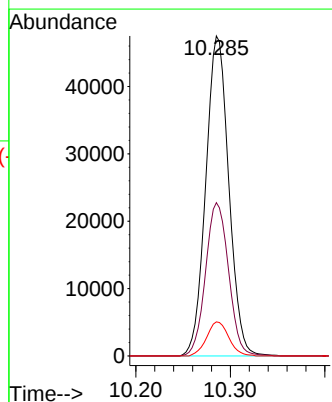
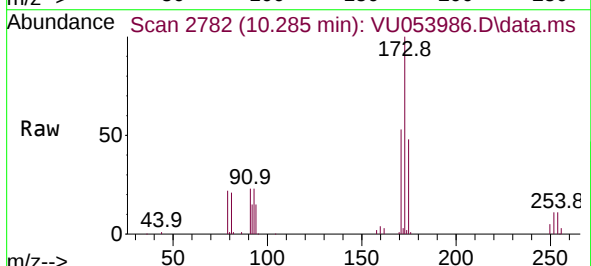
Tgt Ion:173 Resp: 80395

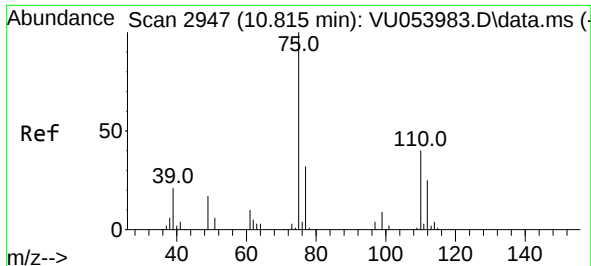
Ion Ratio Lower Upper

173 100

175 47.9 38.9 58.3

254 10.3 8.5 12.7

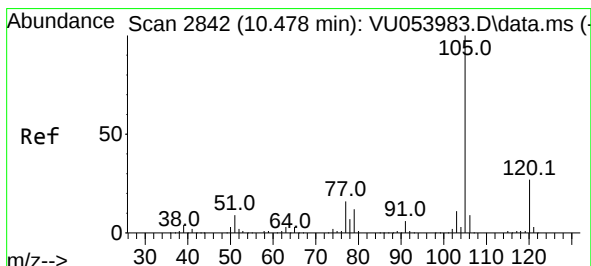
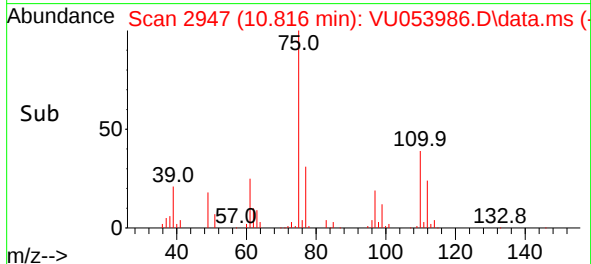
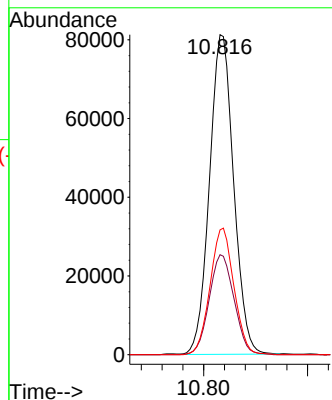
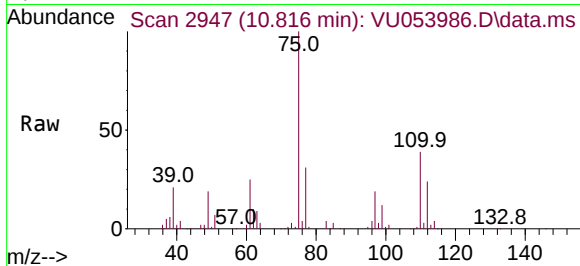




#60
1,2,3-Trichloropropane
Concen: 46.634 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

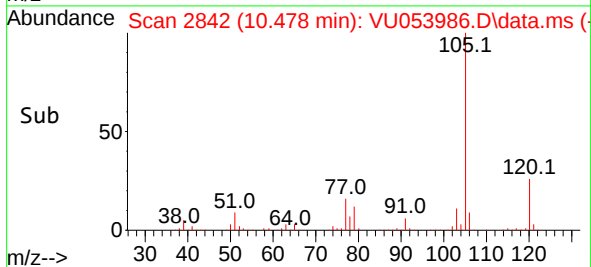
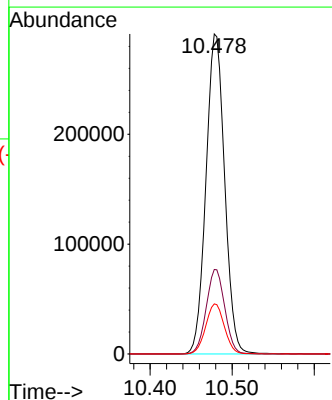
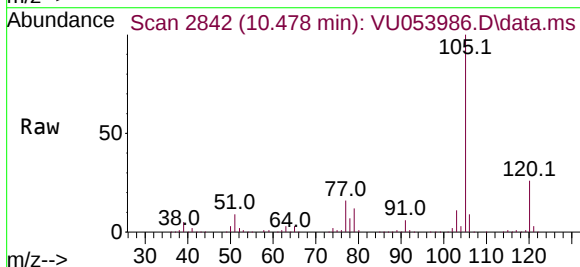
Instrument :
MSVOA_U
ClientSampleId :
VICV022

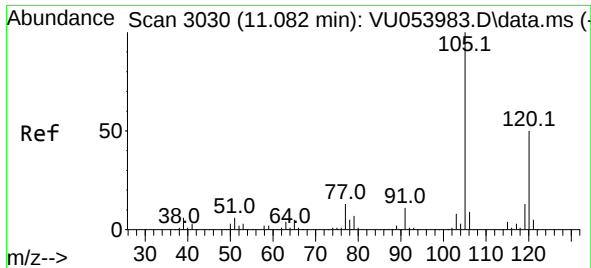
Tgt Ion:	75	Resp:	131156
Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.0	39.0
110	39.0	31.8	47.8



#61
Isopropylbenzene
Concen: 48.144 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion:	105	Resp:	460156
Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.3	31.9
77	15.7	12.7	19.1

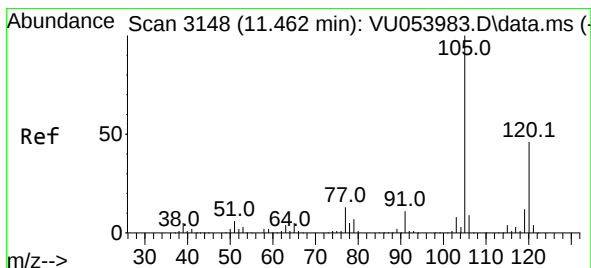
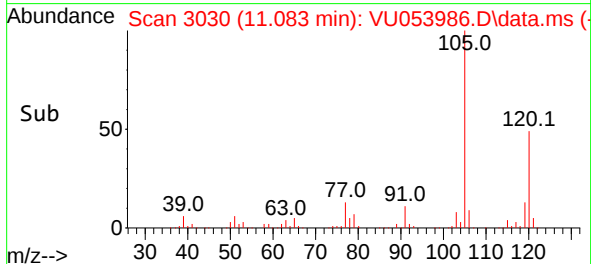
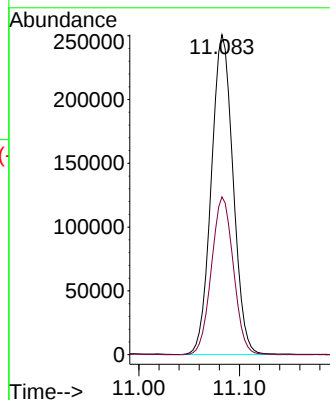
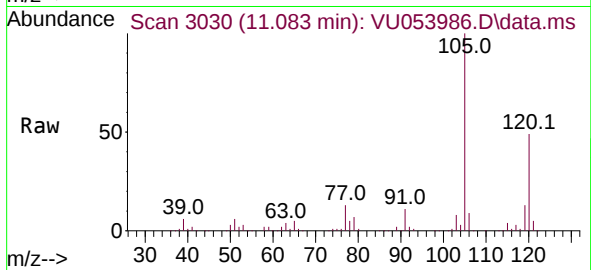




#62
 1,3,5-Trimethylbenzene
 Concen: 48.168 ug/L
 RT: 11.083 min Scan# 3030
 Delta R.T. 0.000 min
 Lab File: VU053986.D
 Acq: 29 Apr 2023 14:54

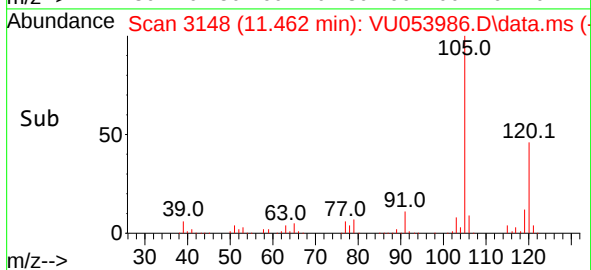
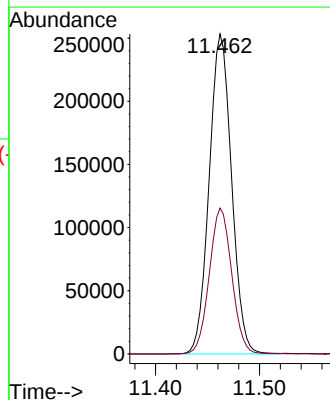
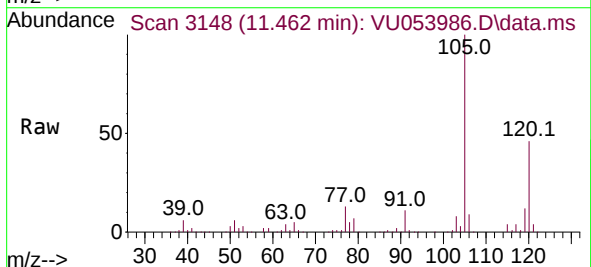
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV022

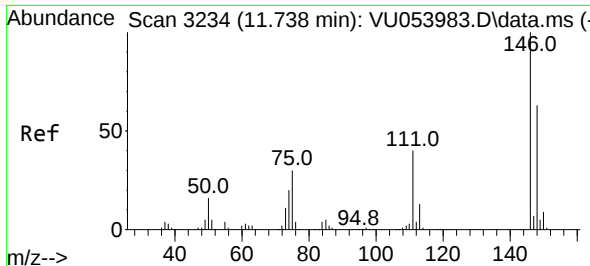
Tgt Ion:105 Resp: 377259
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 49.144 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. 0.000 min
 Lab File: VU053986.D
 Acq: 29 Apr 2023 14:54

Tgt Ion:105 Resp: 379381
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.5 54.7

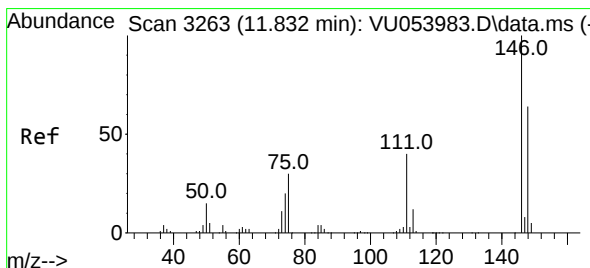
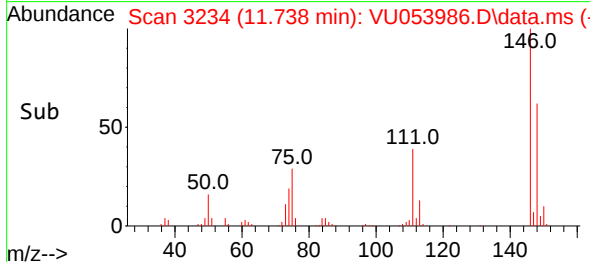
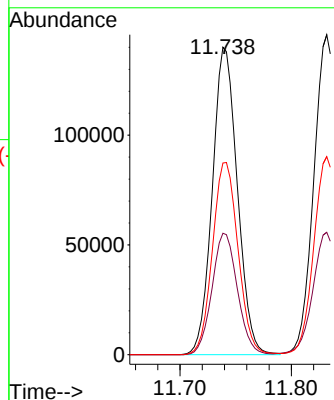
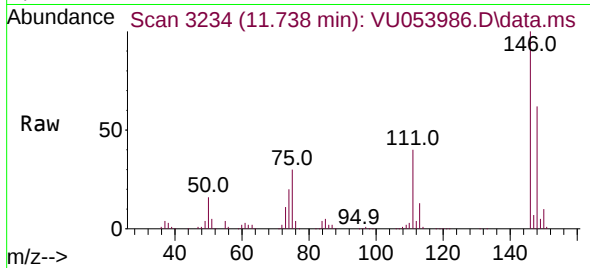




#64
1,3-Dichlorobenzene
Concen: 46.835 ug/L
RT: 11.738 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

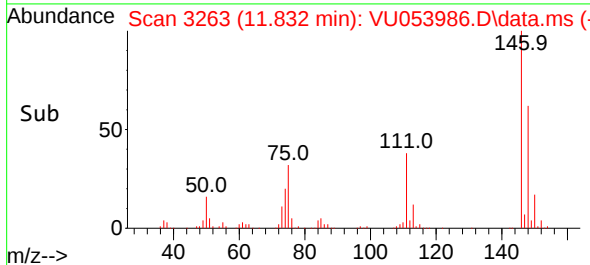
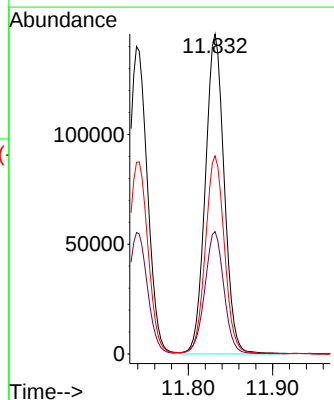
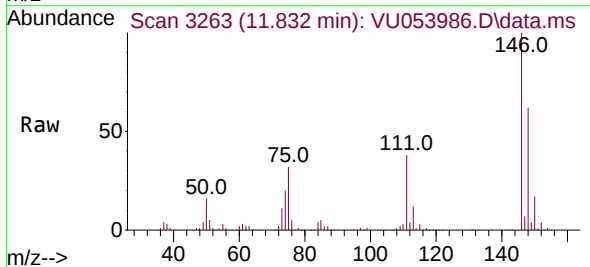
Instrument :
MSVOA_U
ClientSampleId :
VICV022

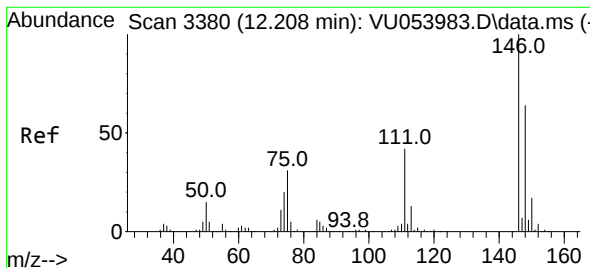
Tgt Ion:146 Resp: 218931
Ion Ratio Lower Upper
146 100
111 39.5 27.9 51.7
148 62.3 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 47.884 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion:146 Resp: 227965
Ion Ratio Lower Upper
146 100
111 38.2 27.9 51.7
148 61.9 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 47.074 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

VICV022

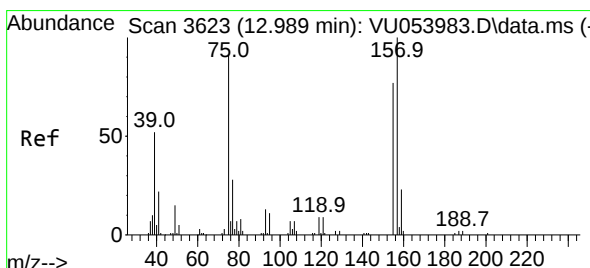
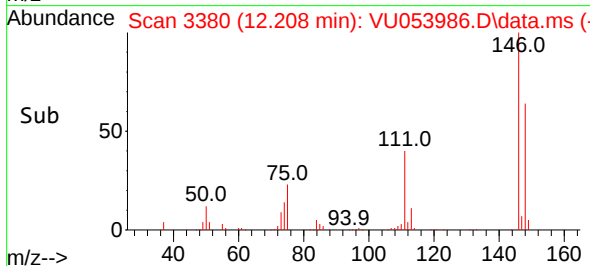
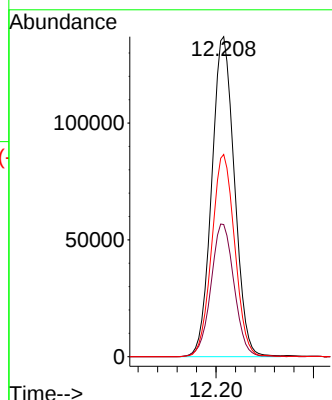
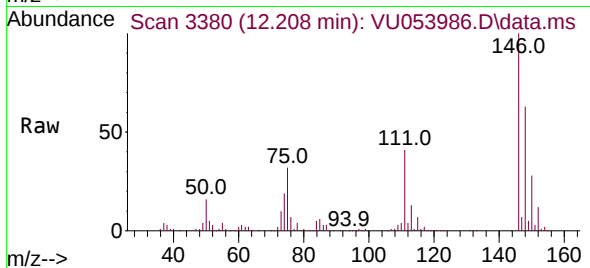
Tgt Ion:146 Resp: 222084

Ion Ratio Lower Upper

146 100

111 41.3 33.4 50.0

148 63.2 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.577 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

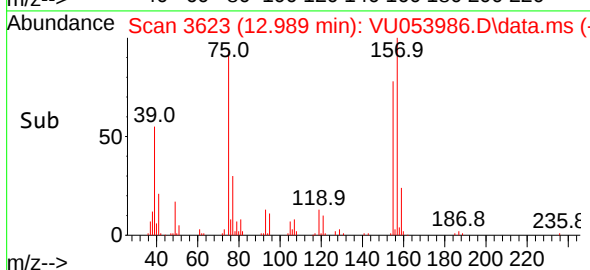
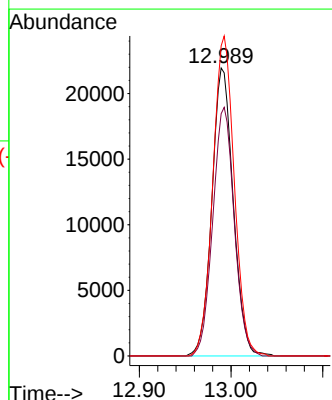
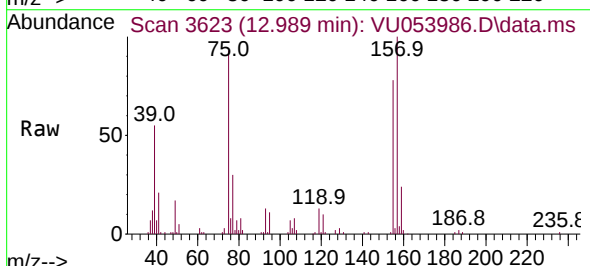
Tgt Ion: 75 Resp: 35572

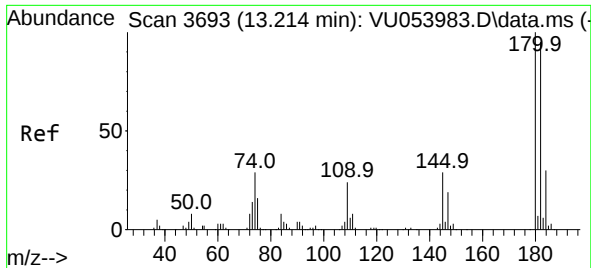
Ion Ratio Lower Upper

75 100

155 87.4 67.8 101.6

157 107.7 88.3 132.5





#69

1,3,5-Trichlorobenzene

Concen: 48.888 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

VICV022

Tgt Ion:180 Resp: 165601

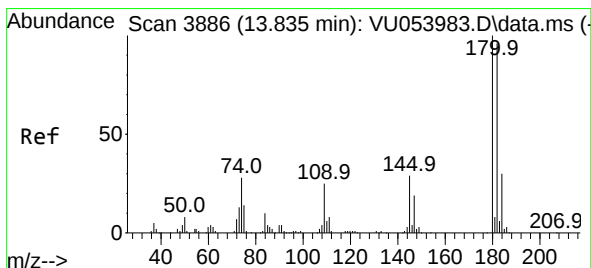
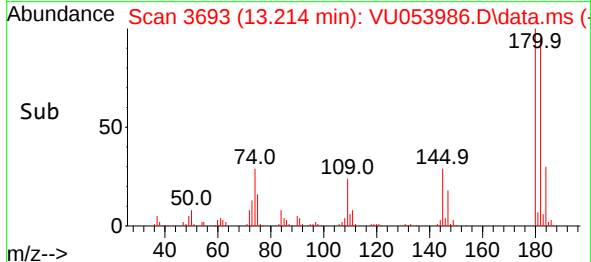
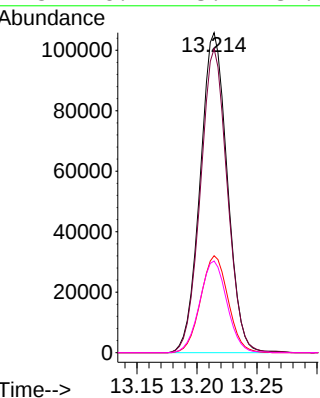
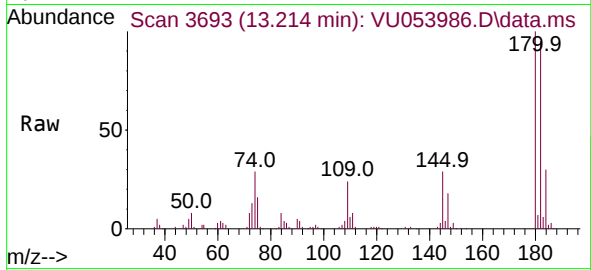
Ion Ratio Lower Upper

180 100

182 94.2 76.0 114.0

184 30.7 24.2 36.2

145 28.9 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 52.014 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053986.D

Acq: 29 Apr 2023 14:54

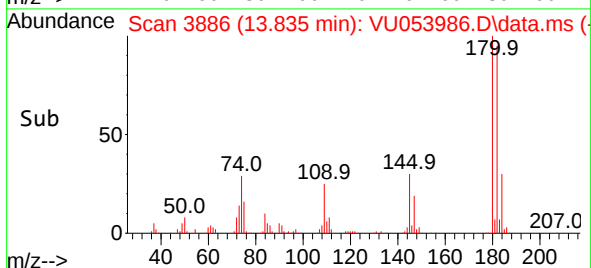
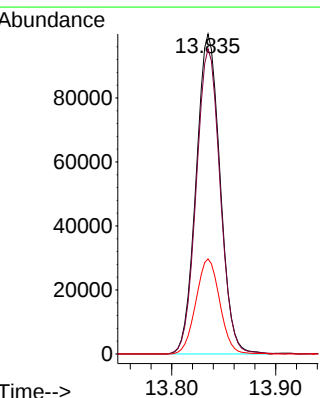
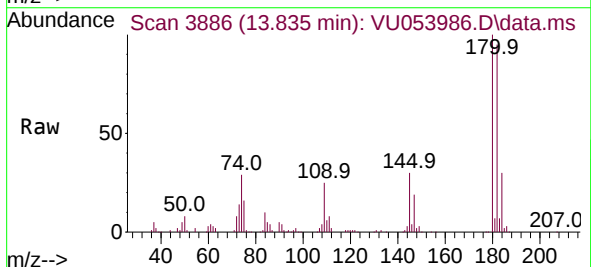
Tgt Ion:180 Resp: 159728

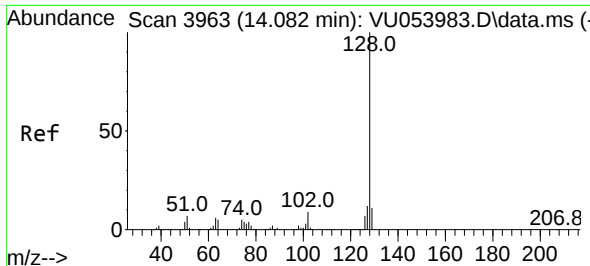
Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.2

145 29.5 23.8 35.8

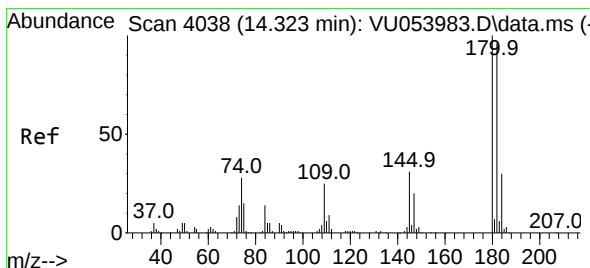
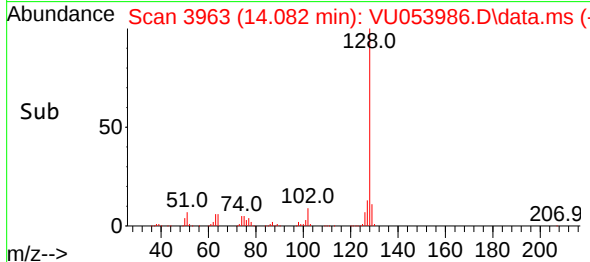
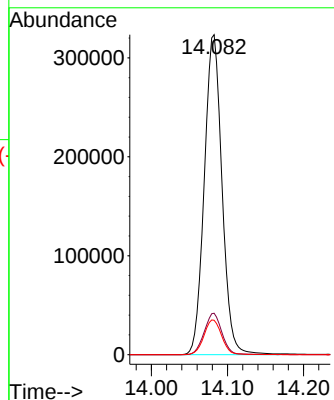
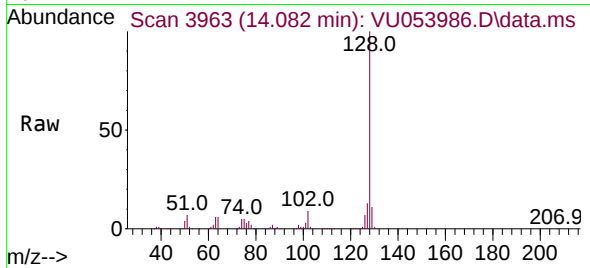




#71
Naphthalene
Concen: 58.821 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Instrument :
MSVOA_U
ClientSampleId :
VICV022

Tgt Ion:128 Resp: 523922
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.8 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 54.354 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053986.D
Acq: 29 Apr 2023 14:54

Tgt Ion:180 Resp: 166039
Ion Ratio Lower Upper
180 100
182 94.4 76.6 114.8
145 30.8 24.9 37.3

