

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053097.D
 Acq On : 14 Feb 2023 14:41
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV004

Quant Time: Feb 15 00:50:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:41:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	246862	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	229720	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	117068	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	107929	47.593	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.180%
7) Chloroethane-d5	1.913	69	94041	48.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.566	63	188561	48.476	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.960%
21) 2-Butanone-d5	4.627	46	130630	110.218	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.220%
24) Chloroform-d	5.058	84	210819	52.699	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.400%
26) 1,2-Dichloroethane-d4	5.694	65	135569	53.290	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.580%
32) Benzene-d6	5.723	84	419729	51.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.440%
36) 1,2-Dichloropropane-d6	6.685	67	141690	52.925	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.840%
41) Toluene-d8	7.894	98	383534	50.545	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.100%
43) trans-1,3-Dichloroprop...	8.173	79	72195	52.948	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.900%
47) 2-Hexanone-d5	8.630	63	103416	111.825	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.820%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	189053	53.057	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.120%
66) 1,2-Dichlorobenzene-d4	12.189	152	133580	51.327	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	120958	47.885	ug/L	100
3) Chloromethane	1.518	50	119735	48.628	ug/L	100
5) Vinyl chloride	1.605	62	125710	47.636	ug/L	99
6) Bromomethane	1.859	94	82343	49.085	ug/L	100
8) Chloroethane	1.932	64	77702	48.372	ug/L	100
9) Trichlorofluoromethane	2.135	101	163533	47.658	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	90001	46.914	ug/L	99
12) 1,1-Dichloroethene	2.576	96	85327	47.002	ug/L	88
13) Acetone	2.640	43	73467	97.985	ug/L	100
14) Carbon disulfide	2.791	76	280015	47.591	ug/L	100
15) Methyl Acetate	2.949	43	85381	52.838	ug/L	99
16) Methylene chloride	3.042	84	105960	50.775	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	90448	49.047	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	331051	53.421	ug/L	99
19) 1,1-Dichloroethane	3.862	63	181717	50.230	ug/L	99
20) cis-1,2-Dichloroethene	4.659	96	107851	50.220	ug/L	100
22) 2-Butanone	4.704	43	120242	105.541	ug/L	99
23) Bromochloromethane	4.968	128	53271	52.843	ug/L	96
25) Chloroform	5.083	83	185517	50.321	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053097.D
 Acq On : 14 Feb 2023 14:41
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

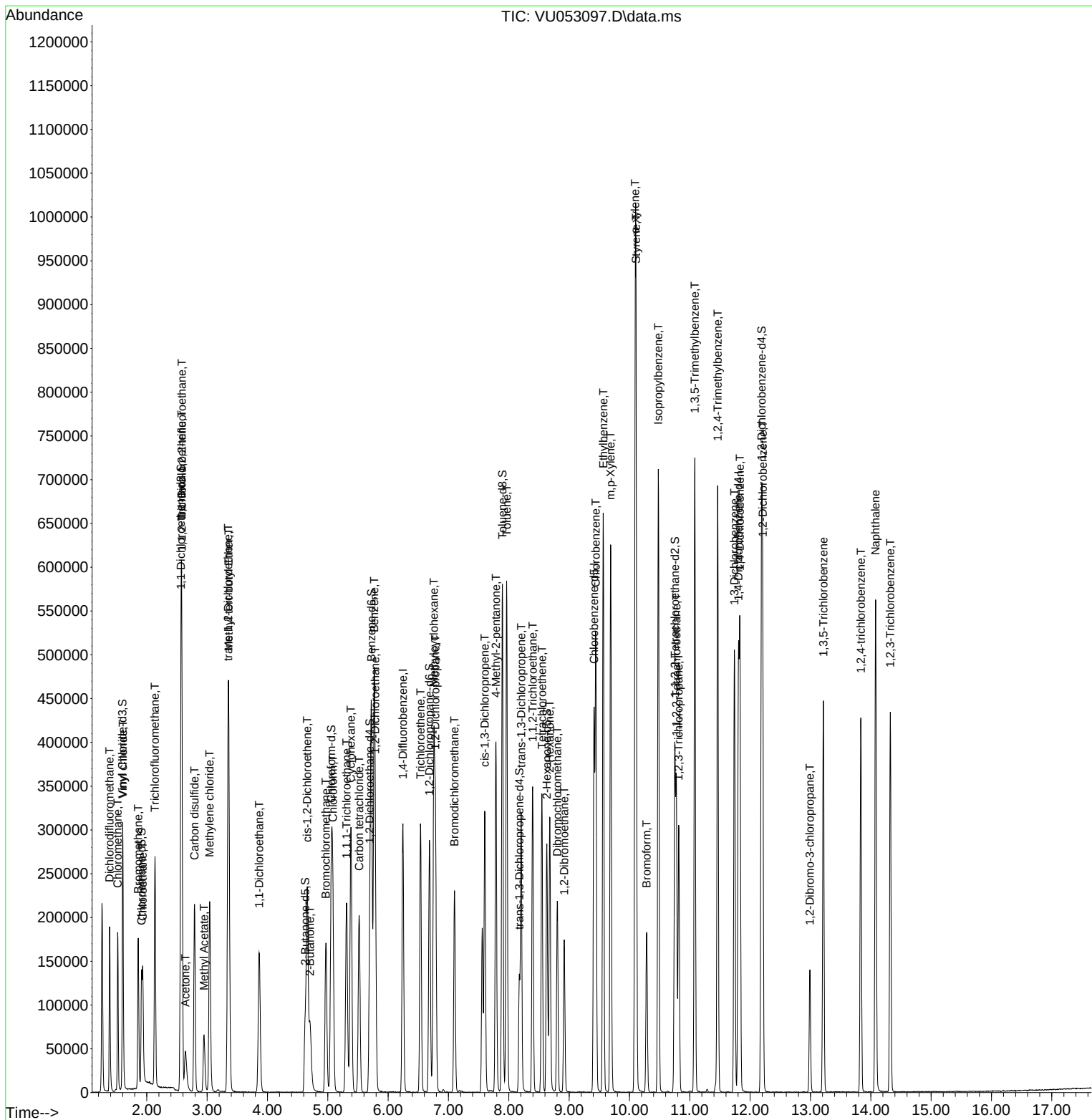
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV004

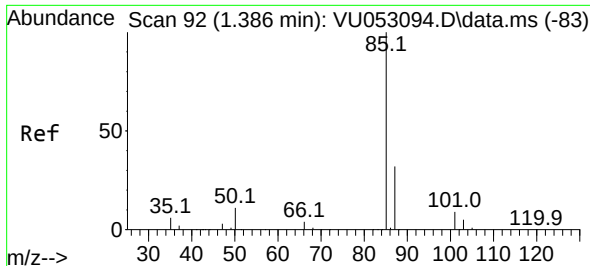
Quant Time: Feb 15 00:50:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:41:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	150511	52.601	ug/L	100
29) Cyclohexane	5.383	56	163074	48.039	ug/L	100
30) 1,1,1-Trichloroethane	5.312	97	156207	48.666	ug/L	100
31) Carbon tetrachloride	5.521	117	133211	48.841	ug/L	100
33) Benzene	5.768	78	405817	50.221	ug/L	100
34) Trichloroethene	6.537	95	103175	49.206	ug/L	98
35) Methylcyclohexane	6.759	83	172321	47.449	ug/L	100
37) 1,2-Dichloropropane	6.784	63	114255	51.274	ug/L	99
38) Bromodichloromethane	7.099	83	146271	52.187	ug/L	99
39) cis-1,3-Dichloropropene	7.601	75	192631	52.644	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	247900	104.468	ug/L	100
42) Toluene	7.964	91	427559	49.742	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	177401	52.341	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	106148	52.528	ug/L	98
46) Tetrachloroethene	8.550	164	68143	49.059	ug/L	99
48) 2-Hexanone	8.678	43	191333	102.184	ug/L	100
49) Dibromochloromethane	8.804	129	108950	52.198	ug/L	99
50) 1,2-Dibromoethane	8.919	107	113244	52.758	ug/L	97
51) Chlorobenzene	9.440	112	266567	50.061	ug/L	99
52) Ethylbenzene	9.566	91	468225	48.844	ug/L	98
53) m,p-Xylene	9.688	106	177977	49.374	ug/L	97
54) o-xylene	10.096	106	178960	50.076	ug/L	98
55) Styrene	10.109	104	295326	49.823	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	170898	52.137	ug/L	99
59) Bromoform	10.286	173	76339	52.976	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	126953	51.958	ug/L	99
61) Isopropylbenzene	10.479	105	463842	49.630	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	386647	48.861	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	381113	49.757	ug/L	99
64) 1,3-Dichlorobenzene	11.739	146	192301	50.244	ug/L	100
65) 1,4-Dichlorobenzene	11.829	146	192790	49.651	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	194762	50.349	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	38234	53.083	ug/L	97
69) 1,3,5-Trichlorobenzene	13.215	180	124439	47.961	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	118731	48.353	ug/L	98
71) Naphthalene	14.080	128	438417	46.503	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	119007	48.267	ug/L	100

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

Quant Time: Feb 15 00:50:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 15 00:41:46 2023
Response via : Initial Calibration

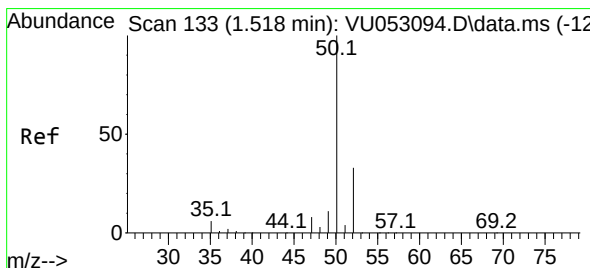
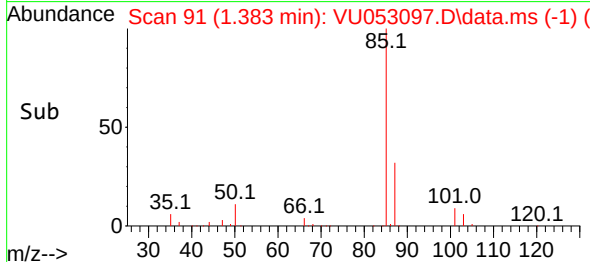
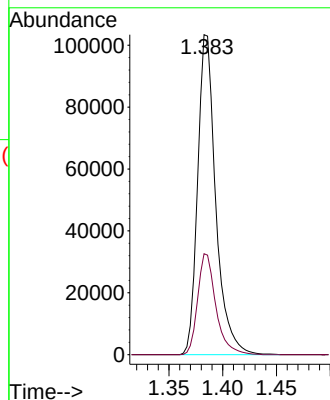
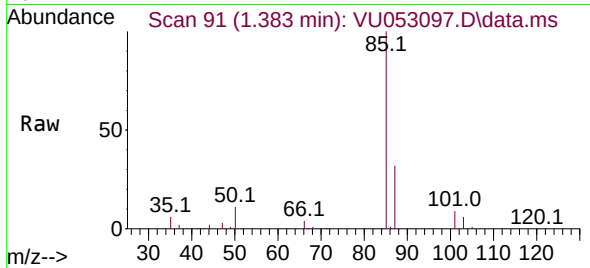




#2
Dichlorodifluoromethane
Concen: 47.885 ug/L
RT: 1.383 min Scan# 91
Delta R.T. -0.003 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

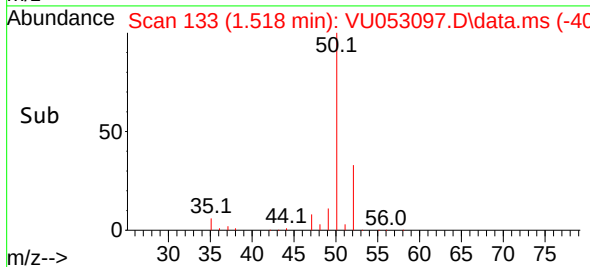
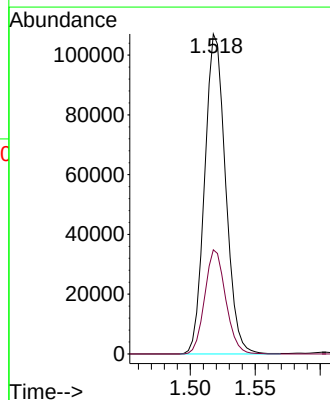
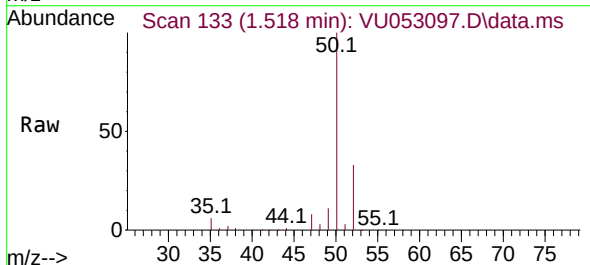
Instrument :
MSVOA_U
ClientSampleId :
VICV004

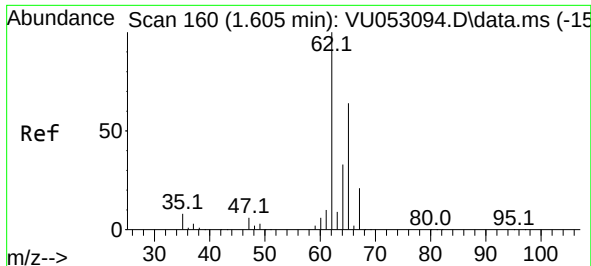
Tgt Ion: 85 Resp: 120958
Ion Ratio Lower Upper
85 100
87 31.8 25.6 38.4



#3
Chloromethane
Concen: 48.628 ug/L
RT: 1.518 min Scan# 133
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion: 50 Resp: 119735
Ion Ratio Lower Upper
50 100
52 32.5 22.8 42.4

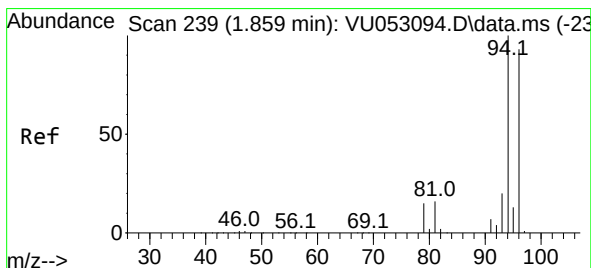
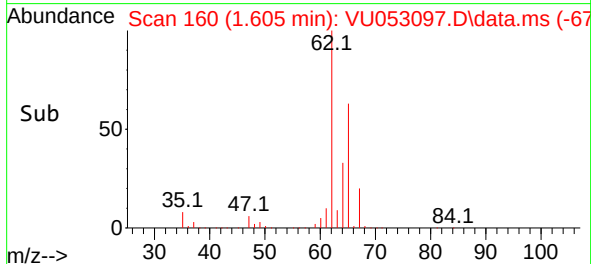
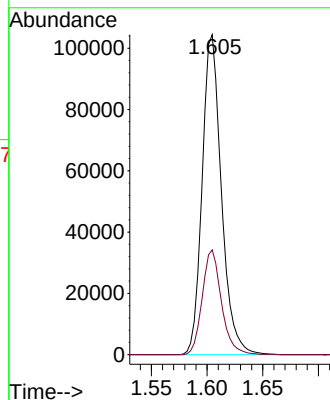
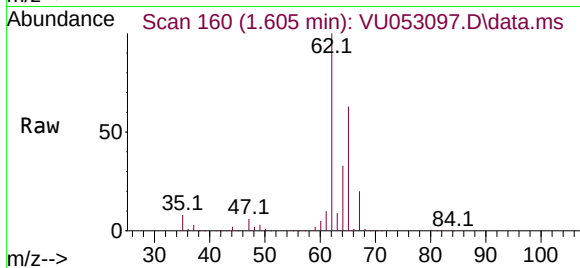




#5
 Vinyl chloride
 Concen: 47.636 ug/L
 RT: 1.605 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VU053097.D
 Acq: 14 Feb 2023 14:41

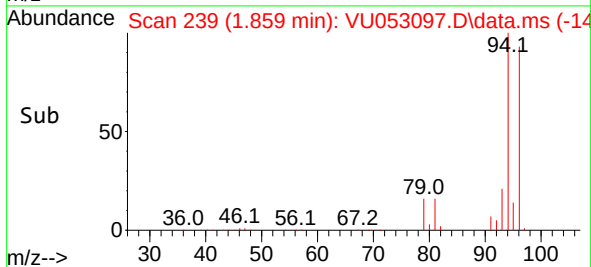
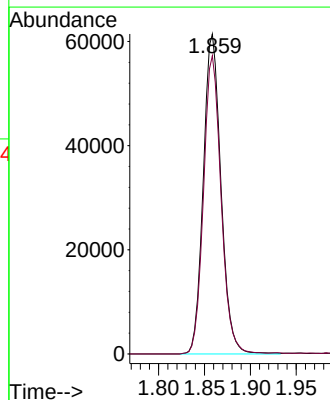
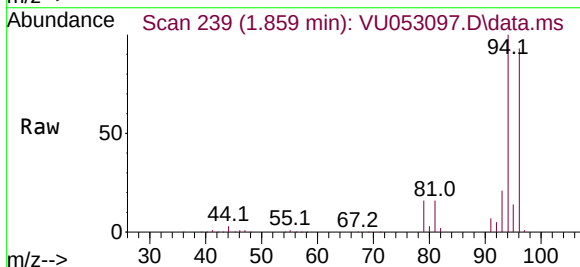
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV004

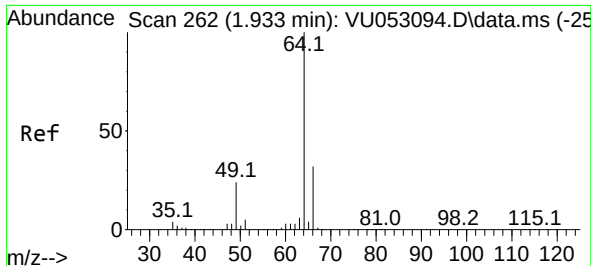
Tgt Ion: 62 Resp: 125710
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.4 43.6



#6
 Bromomethane
 Concen: 49.085 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. -0.000 min
 Lab File: VU053097.D
 Acq: 14 Feb 2023 14:41

Tgt Ion: 94 Resp: 82343
 Ion Ratio Lower Upper
 94 100
 96 93.2 65.0 120.8

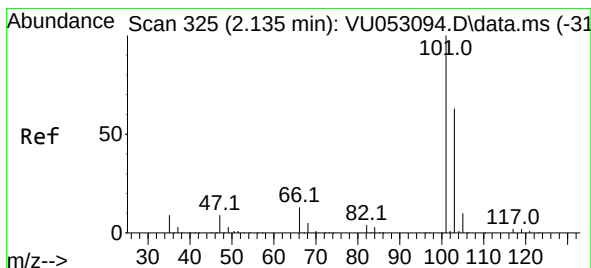
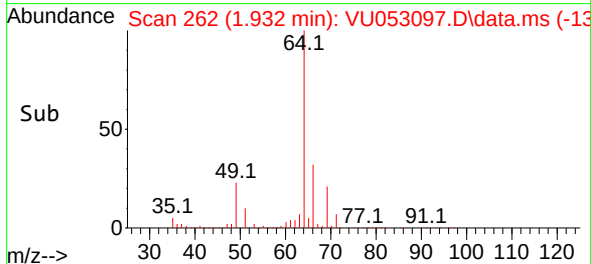
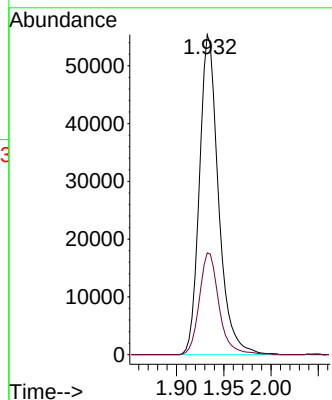
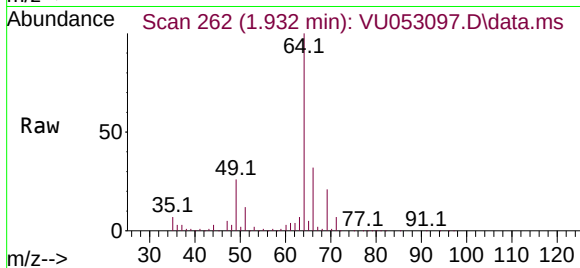




#8
Chloroethane
Concen: 48.372 ug/L
RT: 1.932 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

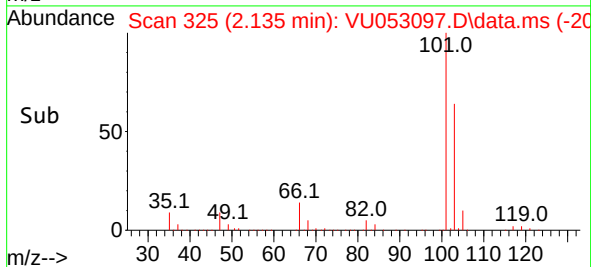
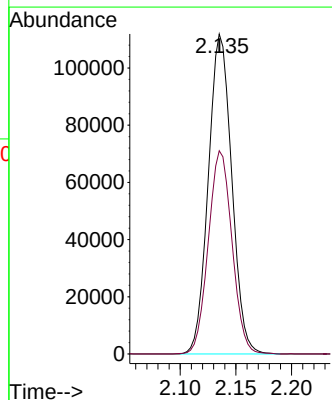
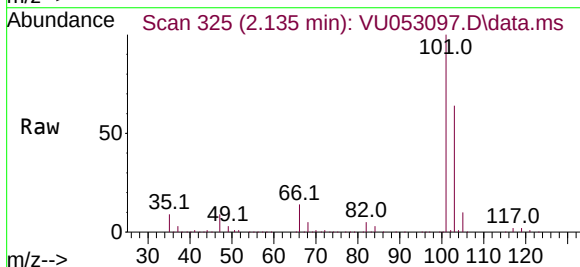
Instrument :
MSVOA_U
ClientSampleId :
VICV004

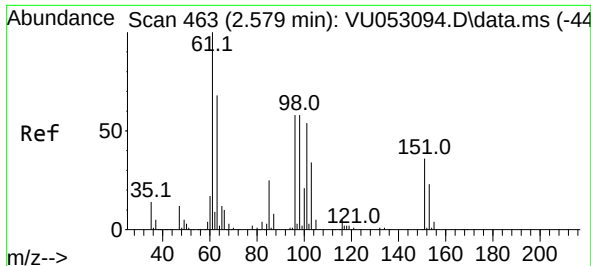
Tgt Ion: 64 Resp: 77702
Ion Ratio Lower Upper
64 100
66 31.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 47.658 ug/L
RT: 2.135 min Scan# 325
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion:101 Resp: 163533
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0

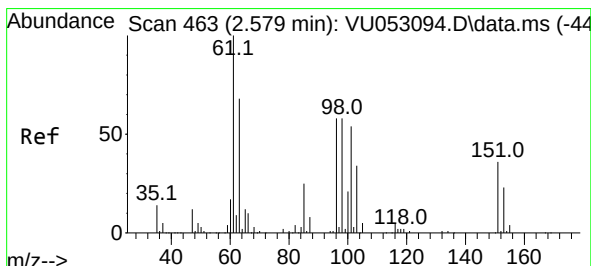
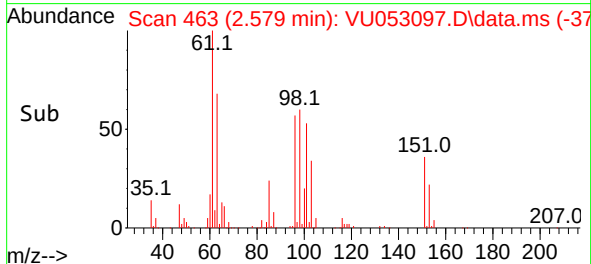
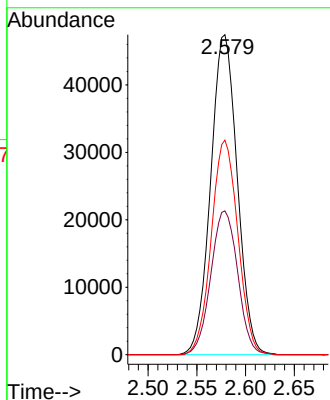
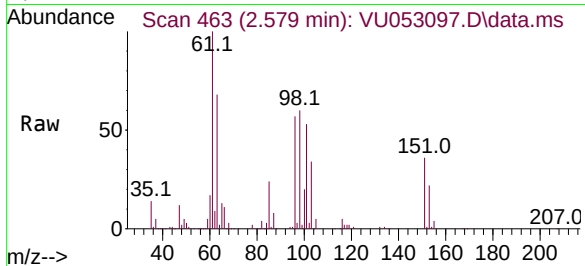




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.914 ug/L
RT: 2.579 min Scan# 463
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

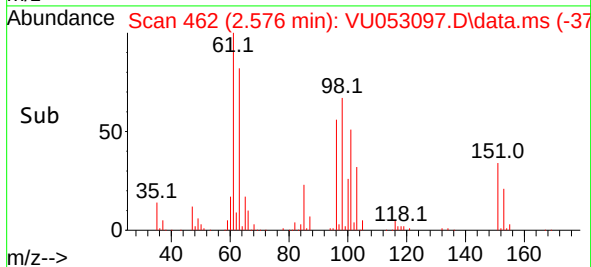
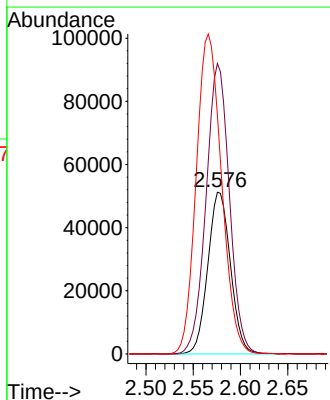
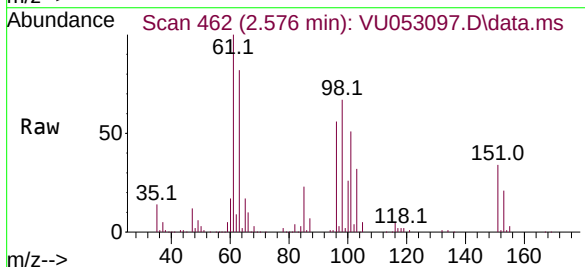
Instrument :
MSVOA_U
ClientSampleId :
VICV004

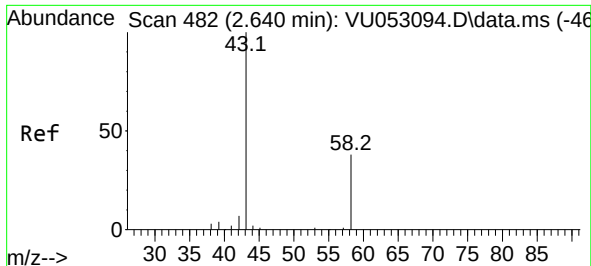
Tgt Ion:101 Resp: 90001
Ion Ratio Lower Upper
101 100
85 45.6 36.6 54.8
151 67.1 52.6 79.0



#12
1,1-Dichloroethene
Concen: 47.002 ug/L
RT: 2.576 min Scan# 462
Delta R.T. -0.003 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion: 96 Resp: 85327
Ion Ratio Lower Upper
96 100
61 179.6 121.9 226.3
63 147.8 84.2 156.4





#13

Acetone

Concen: 97.985 ug/L

RT: 2.640 min Scan# 482

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

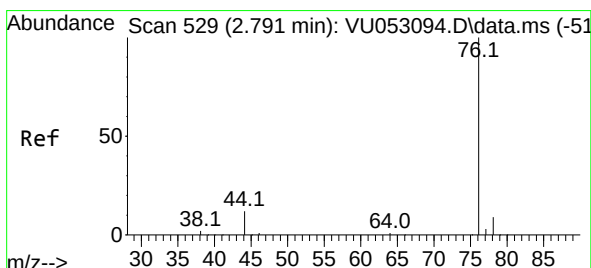
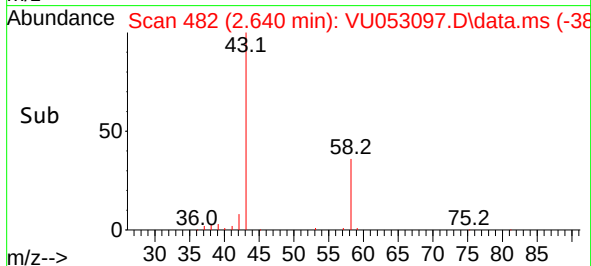
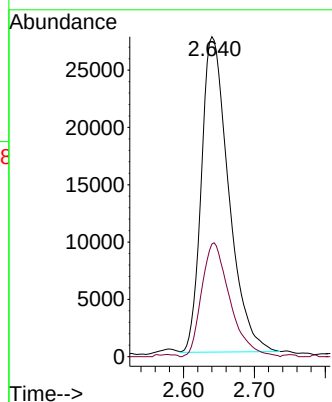
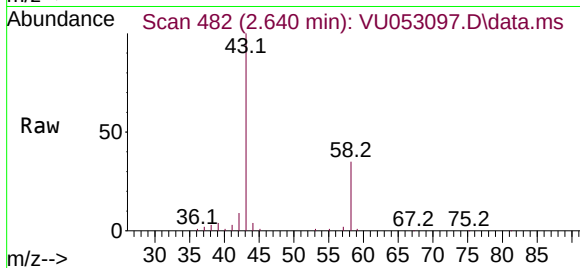
VICV004

Tgt Ion: 43 Resp: 73467

Ion Ratio Lower Upper

43 100

58 37.5 0.0 74.6



#14

Carbon disulfide

Concen: 47.591 ug/L

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053097.D

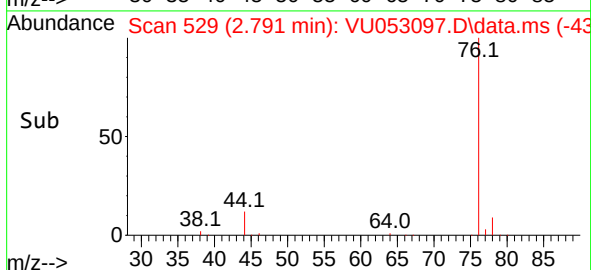
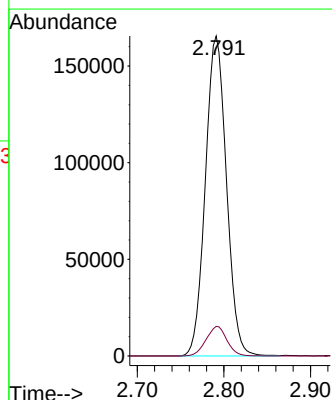
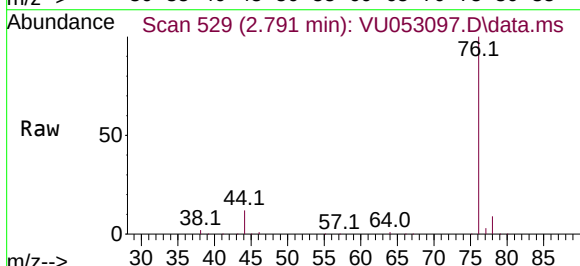
Acq: 14 Feb 2023 14:41

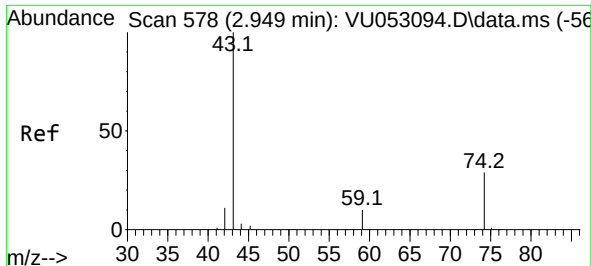
Tgt Ion: 76 Resp: 280015

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

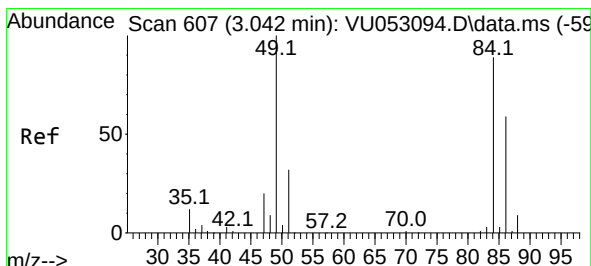
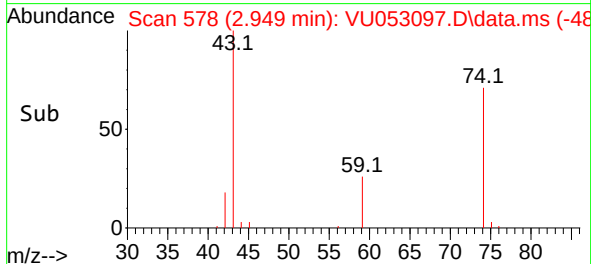
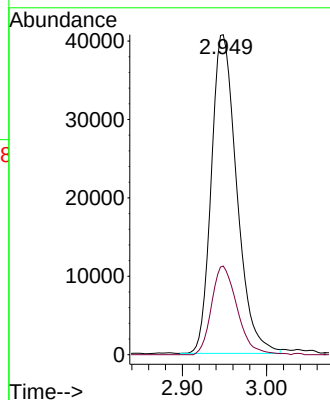
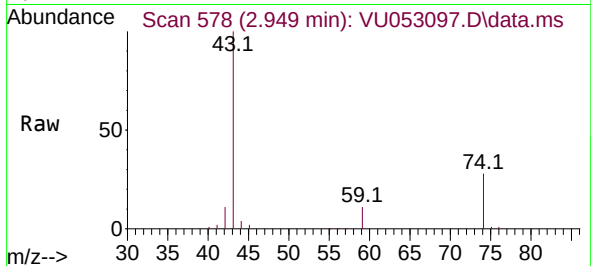




#15
Methyl Acetate
Concen: 52.838 ug/L
RT: 2.949 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

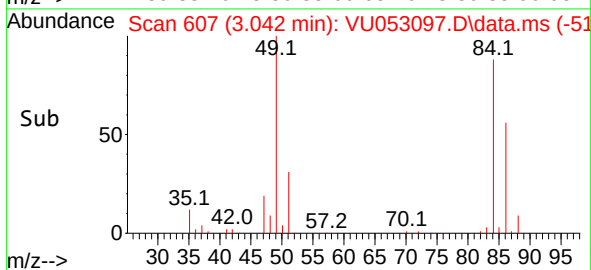
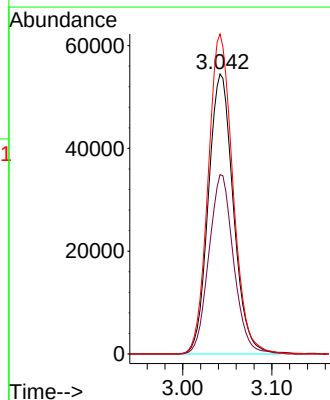
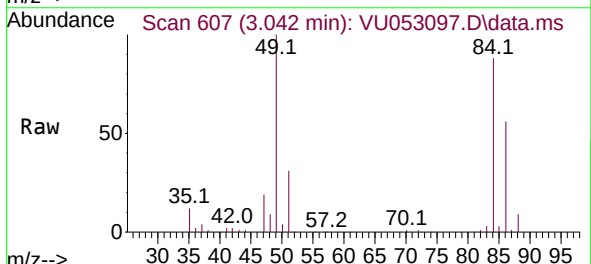
Instrument :
MSVOA_U
ClientSampleId :
VICV004

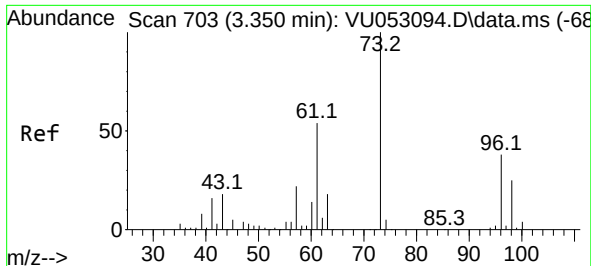
Tgt Ion: 43 Resp: 85381
Ion Ratio Lower Upper
43 100
74 27.9 22.7 34.1



#16
Methylene chloride
Concen: 50.775 ug/L
RT: 3.042 min Scan# 607
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion: 84 Resp: 105960
Ion Ratio Lower Upper
84 100
86 64.0 46.2 85.8
49 114.3 78.8 146.3





#17

trans-1,2-Dichloroethene

Concen: 49.047 ug/L

RT: 3.347 min Scan# 702

Delta R.T. -0.003 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV004

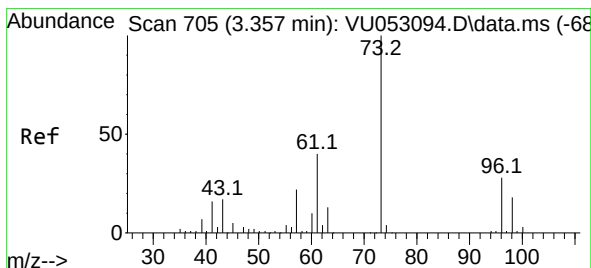
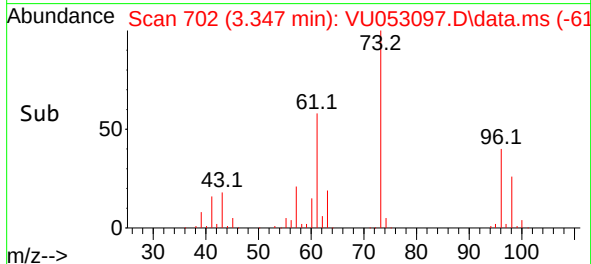
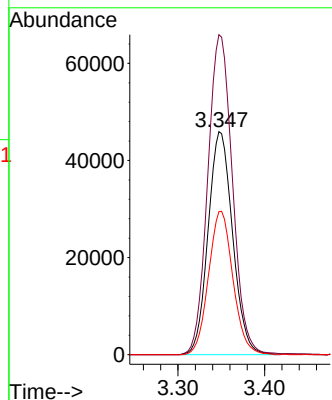
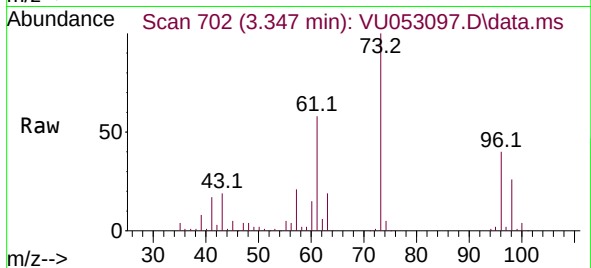
Tgt Ion: 96 Resp: 90448

Ion Ratio Lower Upper

96 100

61 143.5 99.2 184.2

98 64.1 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 53.421 ug/L

RT: 3.357 min Scan# 705

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

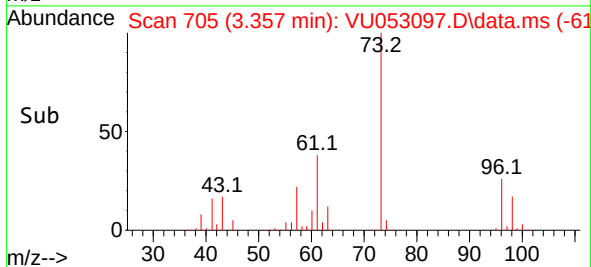
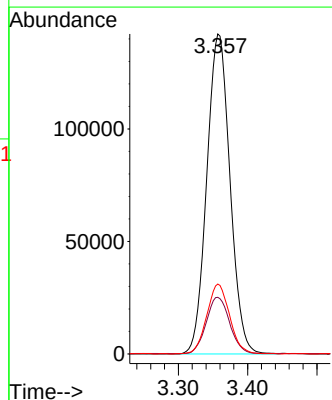
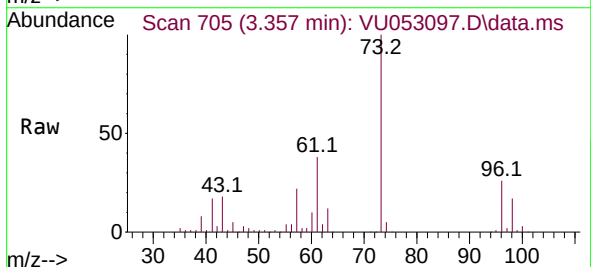
Tgt Ion: 73 Resp: 331051

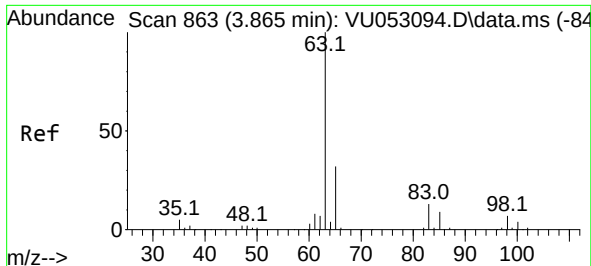
Ion Ratio Lower Upper

73 100

43 17.7 14.1 21.1

57 21.4 17.4 26.0





#19

1,1-Dichloroethane

Concen: 50.230 ug/L

RT: 3.862 min Scan# 8

Delta R.T. -0.003 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV004

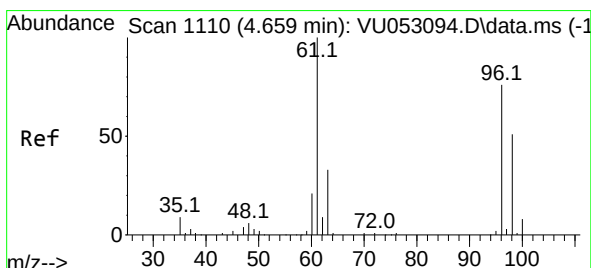
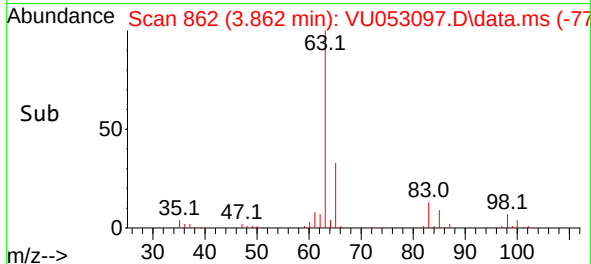
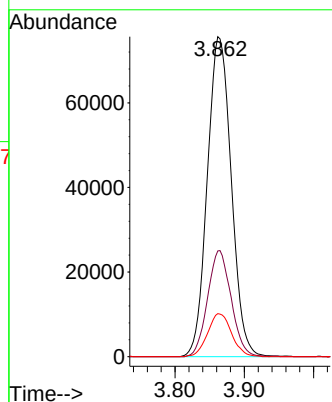
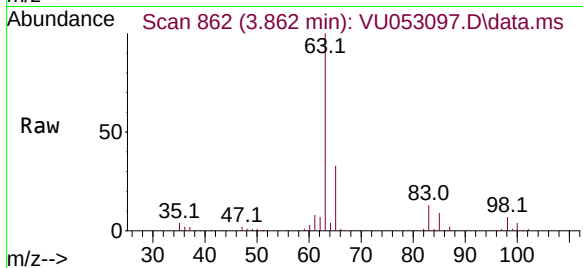
Tgt Ion: 63 Resp: 181717

Ion Ratio Lower Upper

63 100

65 33.0 22.4 41.6

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 50.220 ug/L

RT: 4.659 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

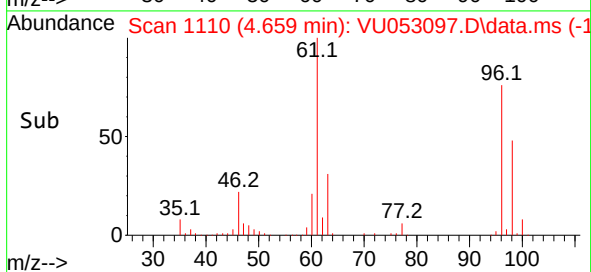
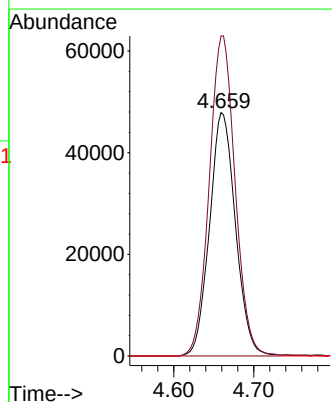
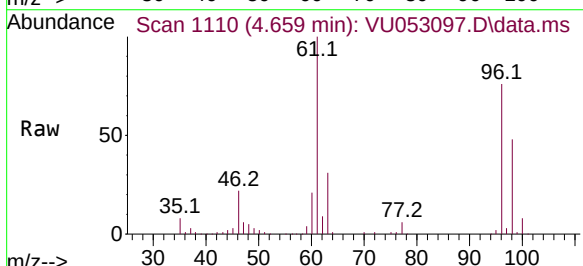
Tgt Ion: 96 Resp: 107851

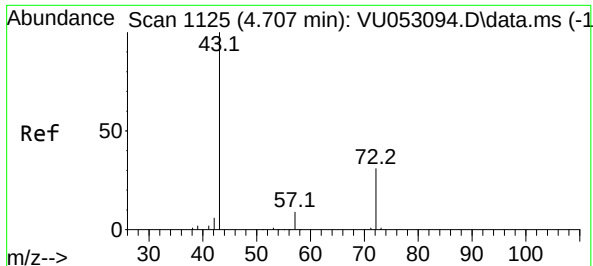
Ion Ratio Lower Upper

96 100

61 131.5 91.9 170.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.541 ug/L

RT: 4.704 min Scan# 1124

Delta R.T. -0.003 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

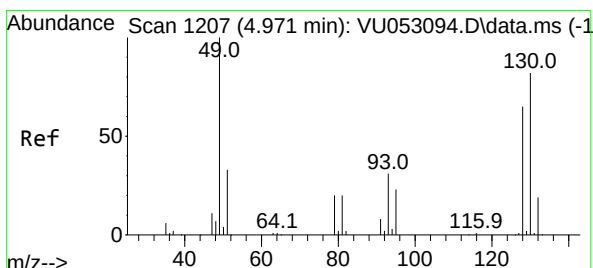
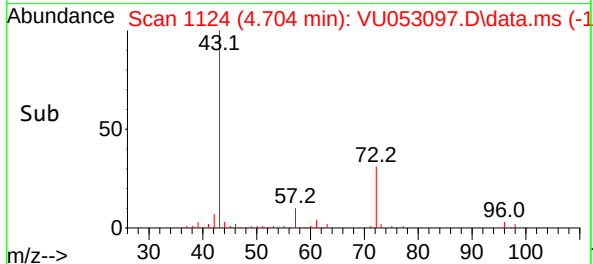
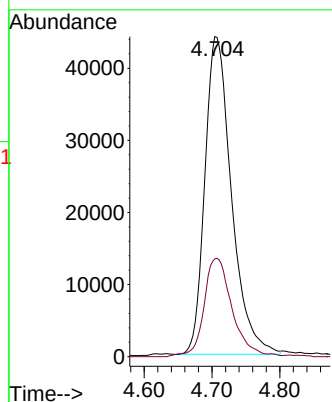
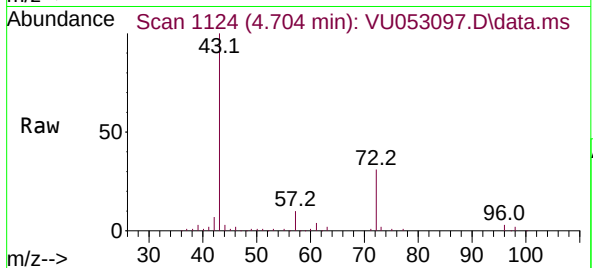
VICV004

Tgt Ion: 43 Resp: 120242

Ion Ratio Lower Upper

43 100

72 32.5 16.6 49.7



#23

Bromochloromethane

Concen: 52.843 ug/L

RT: 4.968 min Scan# 1206

Delta R.T. -0.003 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Tgt Ion: 128 Resp: 53271

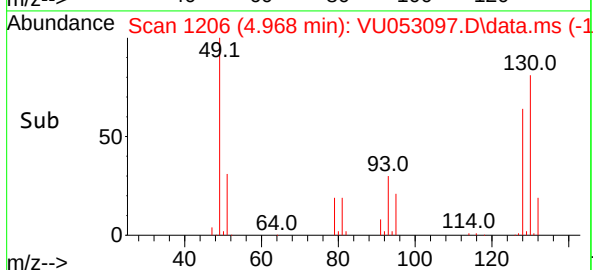
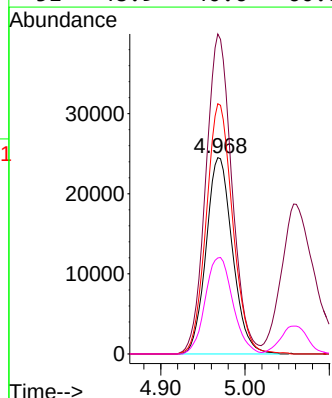
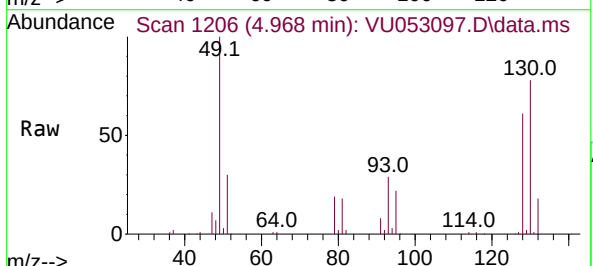
Ion Ratio Lower Upper

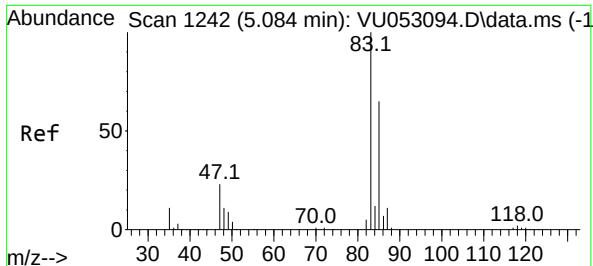
128 100

49 162.9 107.6 199.8

130 127.4 87.9 163.3

51 48.9 40.6 60.8





#25

Chloroform

Concen: 50.321 ug/L

RT: 5.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

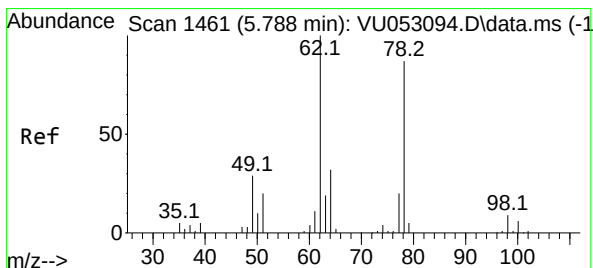
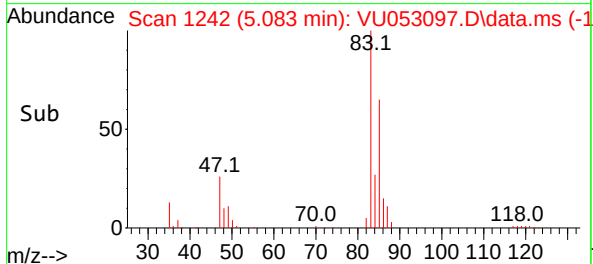
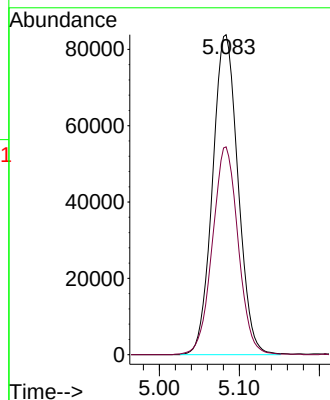
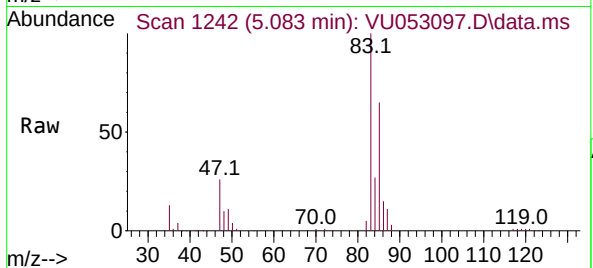
VICV004

Tgt Ion: 83 Resp: 185517

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.0



#27

1,2-Dichloroethane

Concen: 52.601 ug/L

RT: 5.788 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VU053097.D

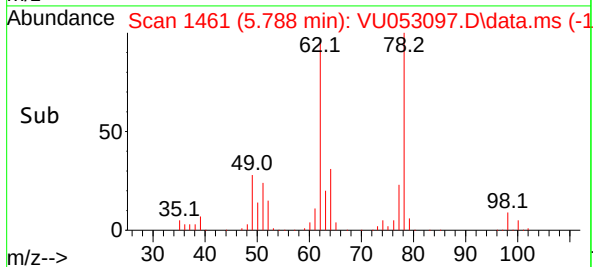
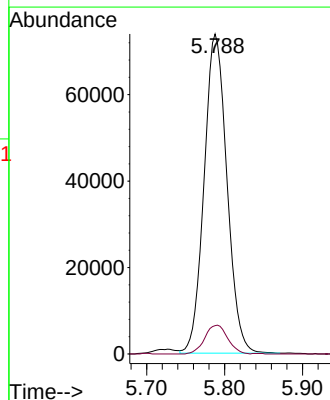
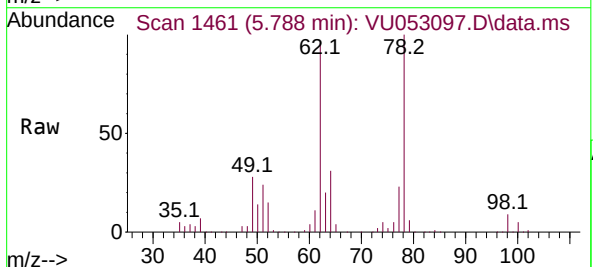
Acq: 14 Feb 2023 14:41

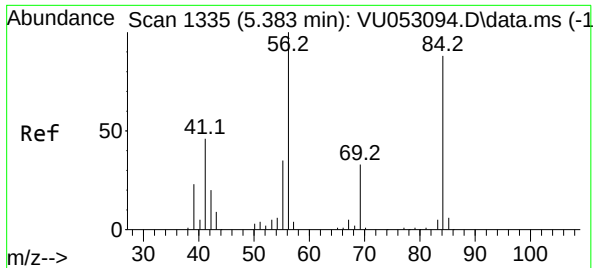
Tgt Ion: 62 Resp: 150511

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8





#29

Cyclohexane

Concen: 48.039 ug/L

RT: 5.383 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV004

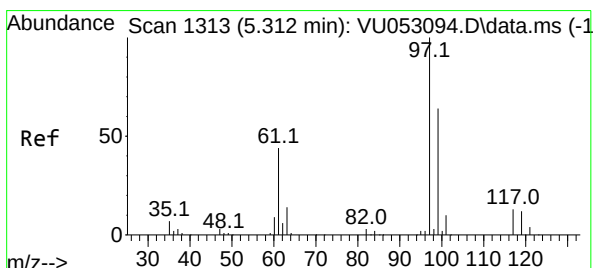
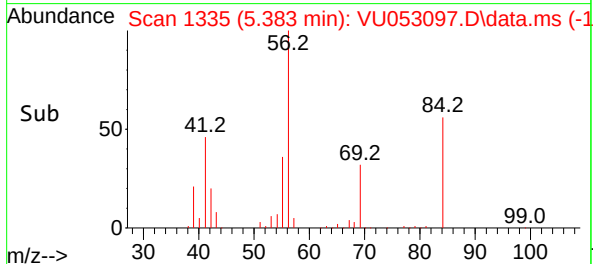
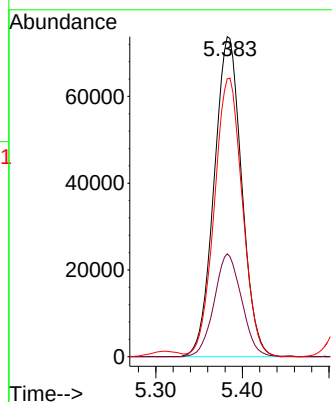
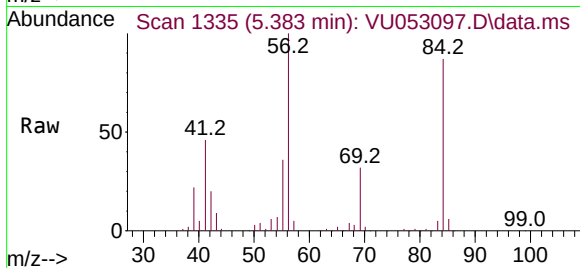
Tgt Ion: 56 Resp: 163074

Ion Ratio Lower Upper

56 100

69 31.9 25.9 38.9

84 88.7 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 48.666 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

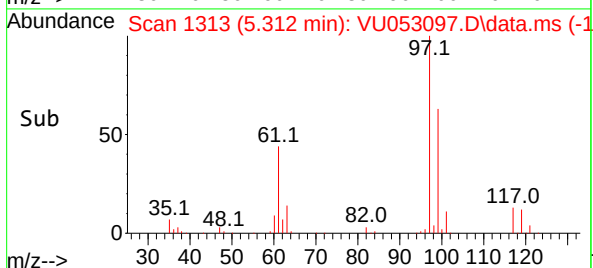
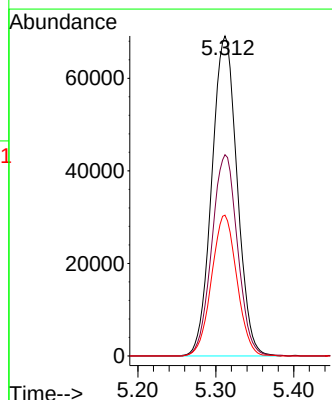
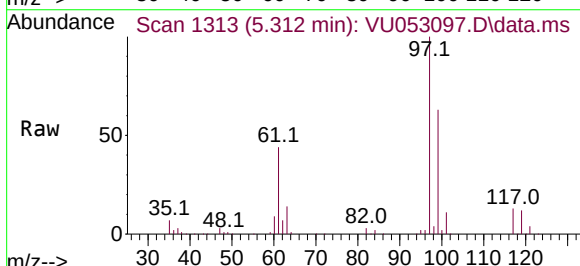
Tgt Ion: 97 Resp: 156207

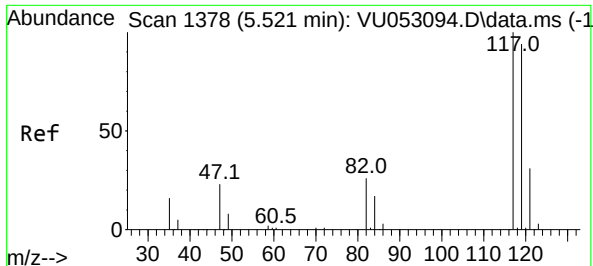
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 44.0 35.3 52.9

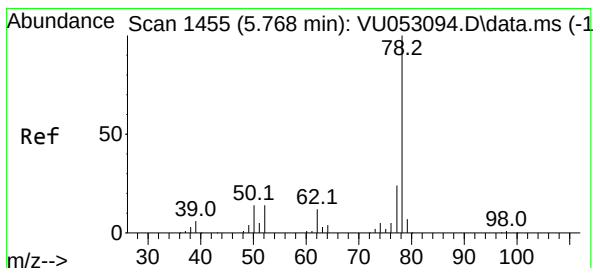
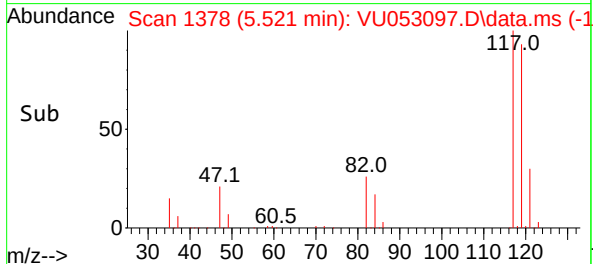
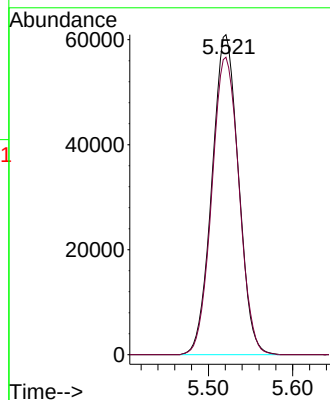
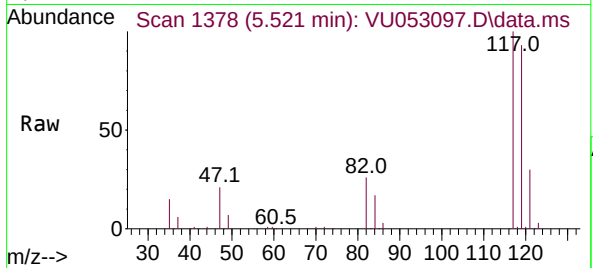




#31
Carbon tetrachloride
Concen: 48.841 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

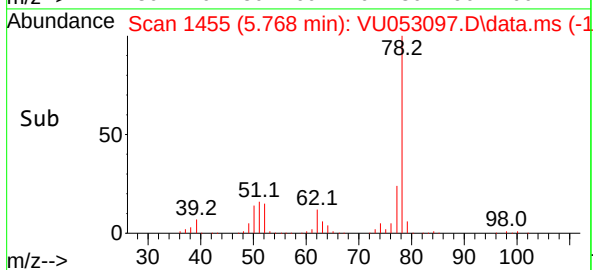
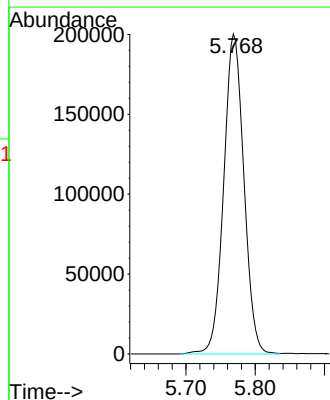
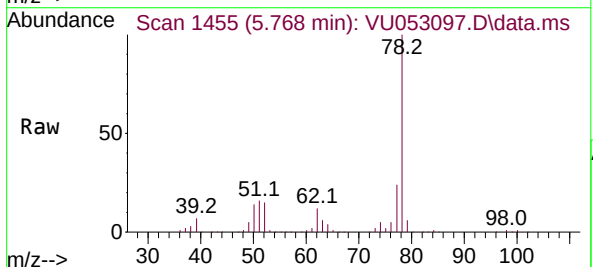
Instrument :
MSVOA_U
ClientSampleId :
VICV004

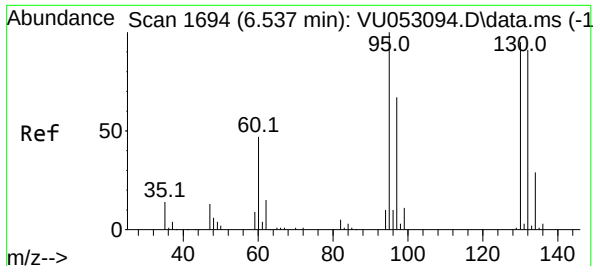
Tgt Ion:117 Resp: 133211
Ion Ratio Lower Upper
117 100
119 95.3 75.9 113.9



#33
Benzene
Concen: 50.221 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion: 78 Resp: 405817





#34

Trichloroethene

Concen: 49.206 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV004

Tgt Ion: 95 Resp: 103175

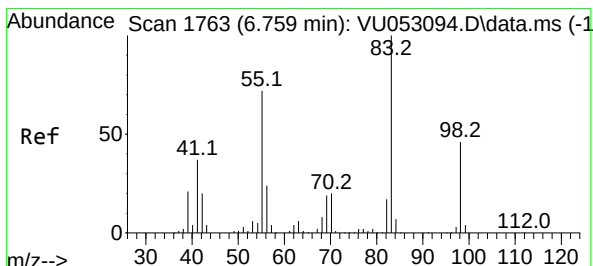
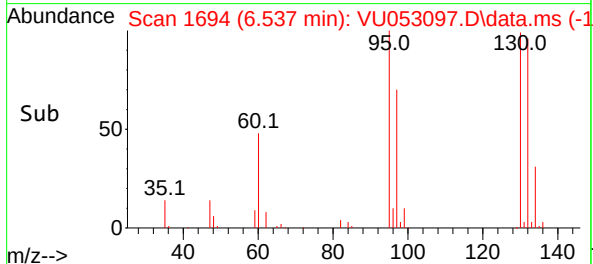
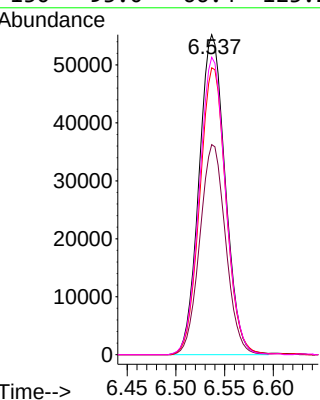
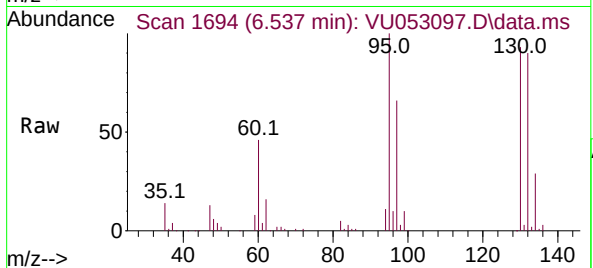
Ion Ratio Lower Upper

95 100

97 65.7 47.1 87.5

132 89.7 63.6 118.2

130 93.0 66.4 123.2



#35

Methylcyclohexane

Concen: 47.449 ug/L

RT: 6.759 min Scan# 1763

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

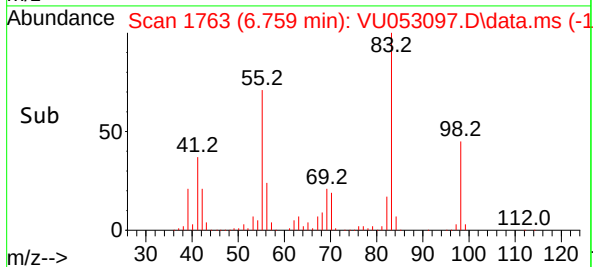
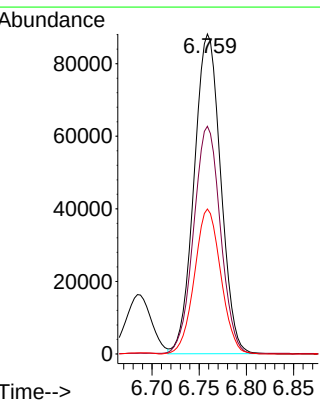
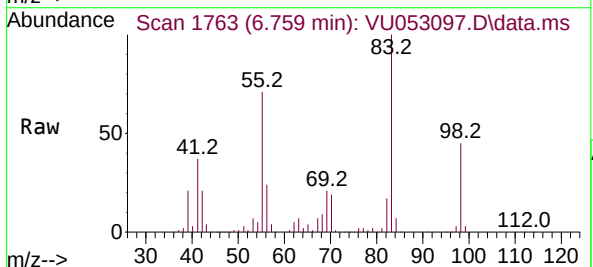
Tgt Ion: 83 Resp: 172321

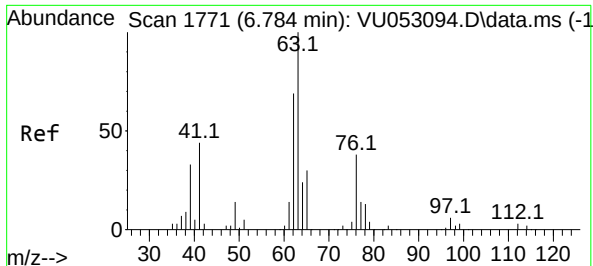
Ion Ratio Lower Upper

83 100

55 71.5 57.4 86.2

98 45.0 36.1 54.1





#37

1,2-Dichloropropane

Concen: 51.274 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

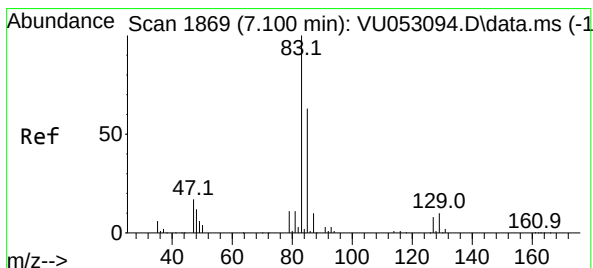
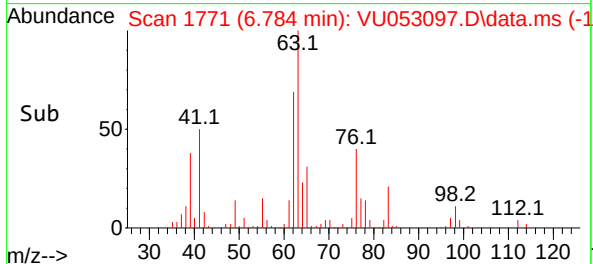
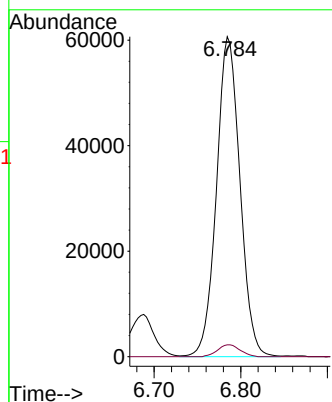
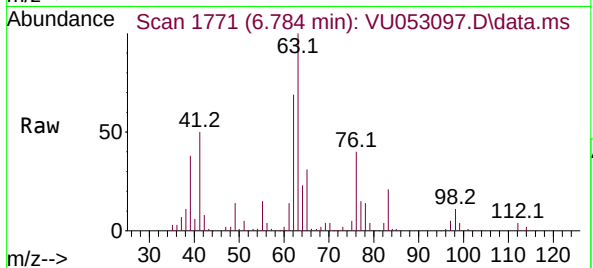
VICV004

Tgt Ion: 63 Resp: 114255

Ion Ratio Lower Upper

63 100

112 3.6 2.7 4.1



#38

Bromodichloromethane

Concen: 52.187 ug/L

RT: 7.099 min Scan# 1869

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

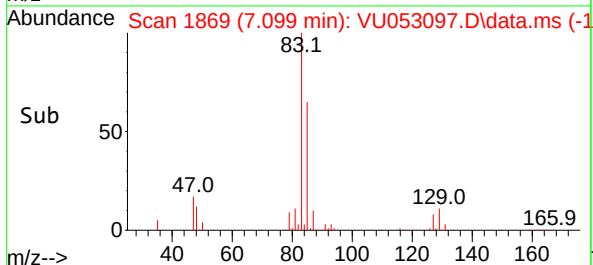
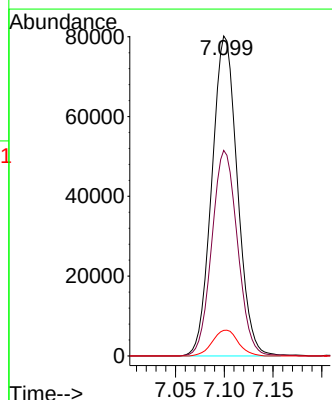
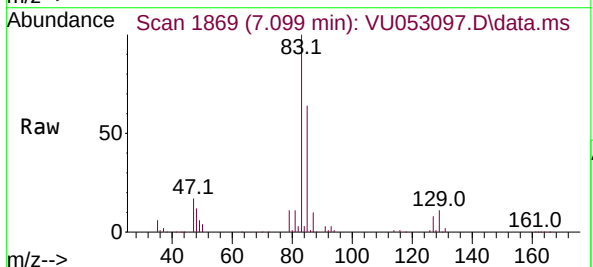
Tgt Ion: 83 Resp: 146271

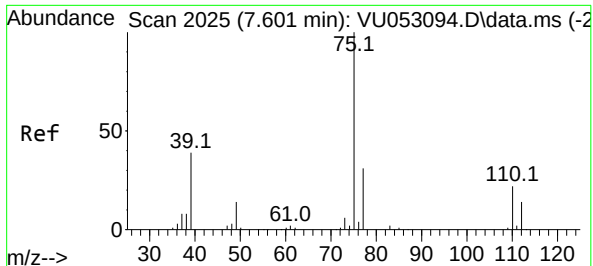
Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.0

127 8.0 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 52.644 ug/L

RT: 7.601 min Scan# 2025

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

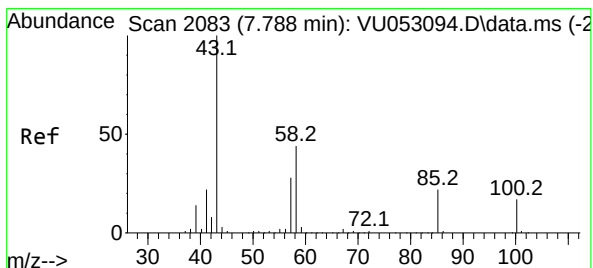
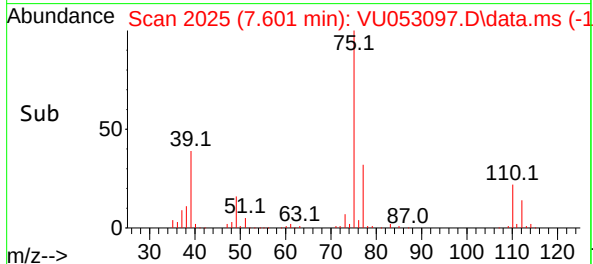
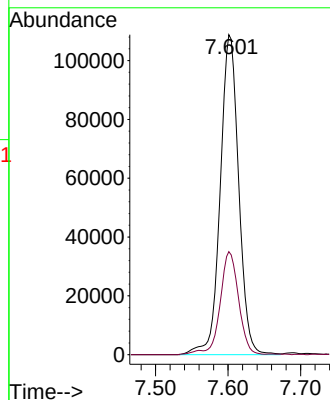
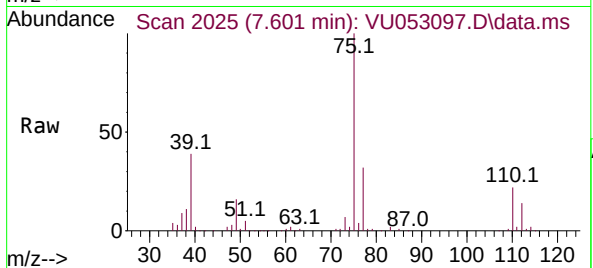
VICV004

Tgt Ion: 75 Resp: 192631

Ion Ratio Lower Upper

75 100

77 32.2 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 104.468 ug/L

RT: 7.788 min Scan# 2083

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

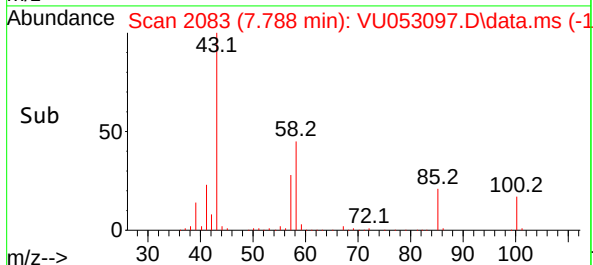
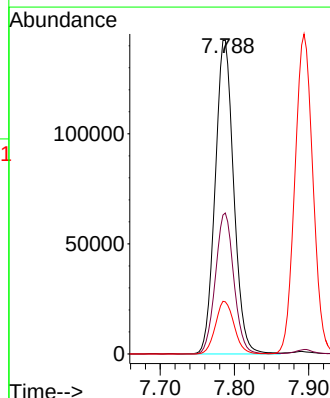
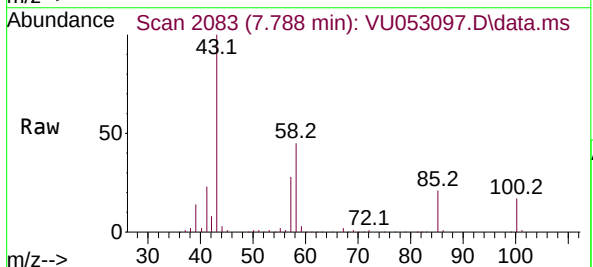
Tgt Ion: 43 Resp: 247900

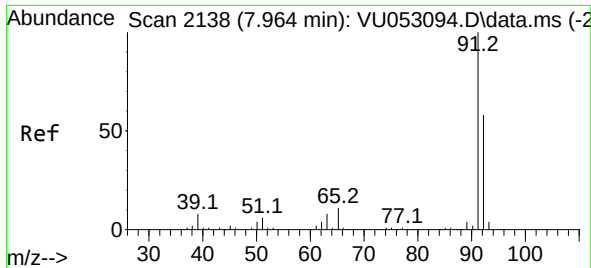
Ion Ratio Lower Upper

43 100

58 44.6 35.9 53.9

100 16.9 13.7 20.5





#42

Toluene

Concen: 49.742 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

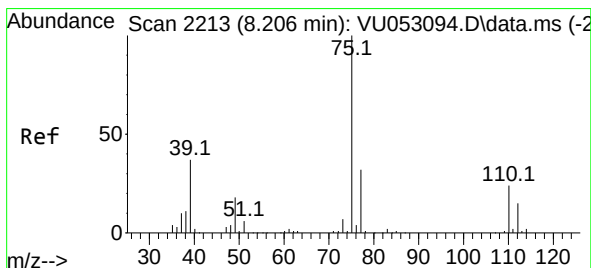
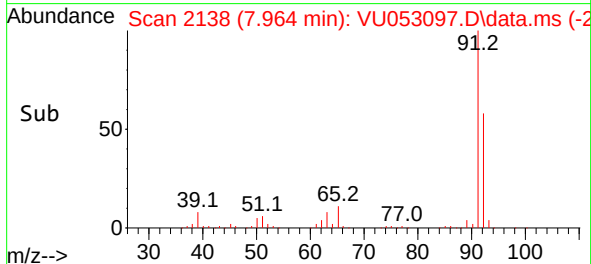
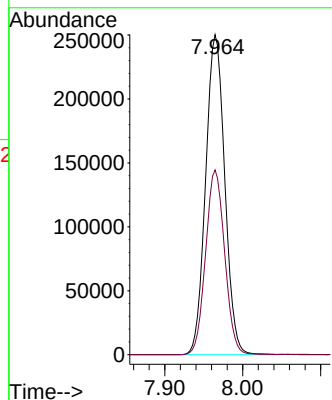
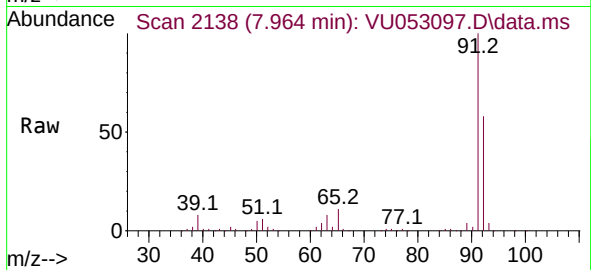
VICV004

Tgt Ion: 91 Resp: 427559

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 52.341 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. -0.000 min

Lab File: VU053097.D

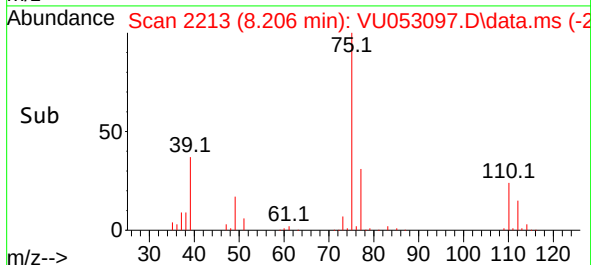
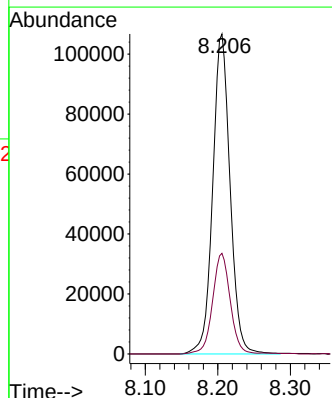
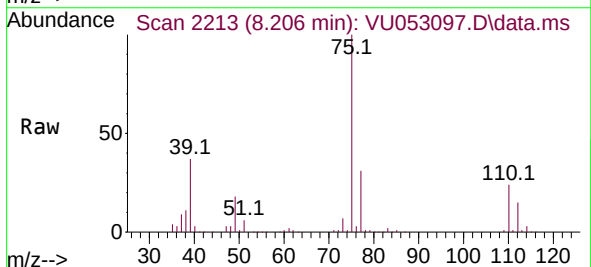
Acq: 14 Feb 2023 14:41

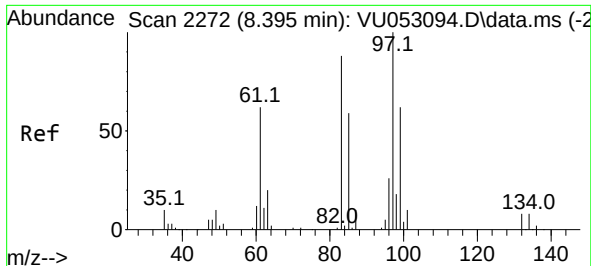
Tgt Ion: 75 Resp: 177401

Ion Ratio Lower Upper

75 100

77 31.4 22.2 41.2



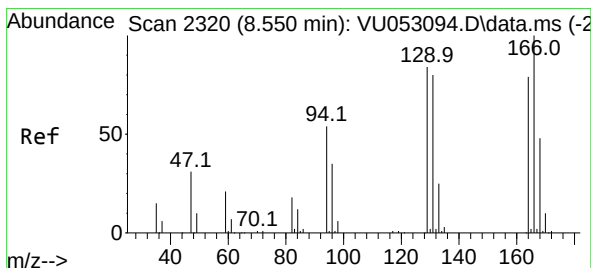
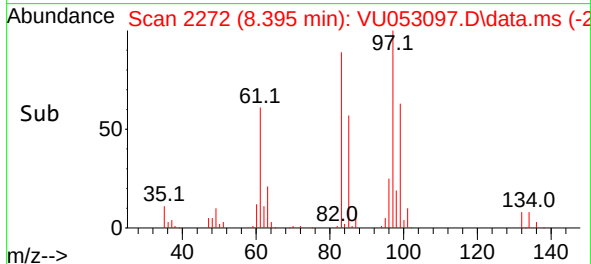
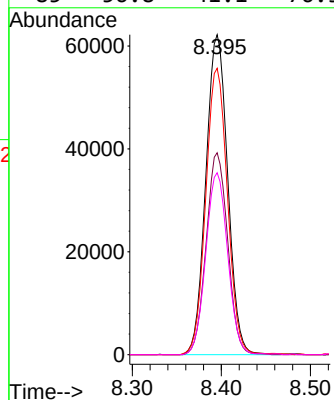
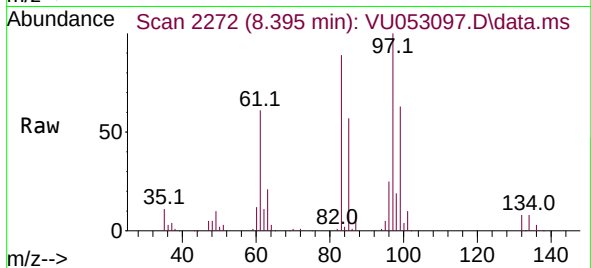


#45
1,1,2-Trichloroethane
Concen: 52.528 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Instrument :
MSVOA_U
ClientSampleId :
VICV004

Tgt Ion: 97 Resp: 106148

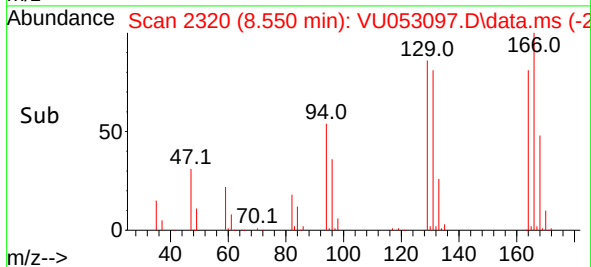
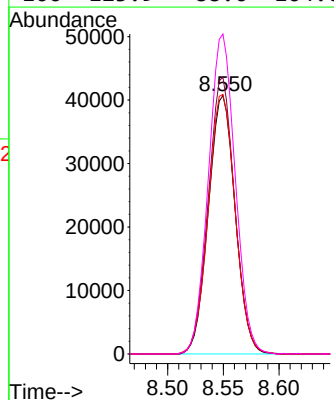
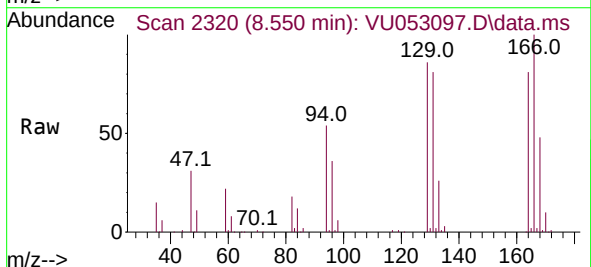
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.7	81.1
83	89.5	61.7	114.5
85	56.8	41.1	76.3

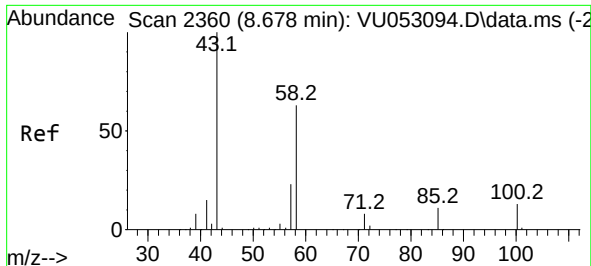


#46
Tetrachloroethene
Concen: 49.059 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion: 164 Resp: 68143

Ion	Ratio	Lower	Upper
164	100		
129	107.1	74.8	139.0
131	100.5	70.7	131.3
166	123.9	88.6	164.6



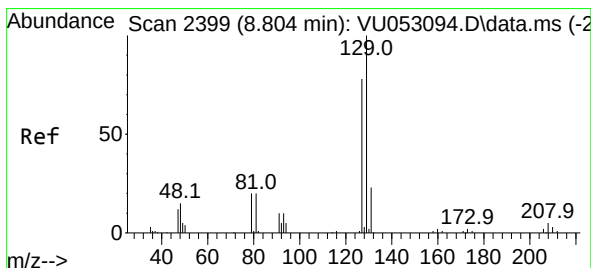
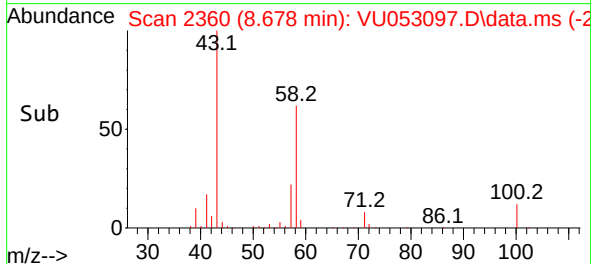
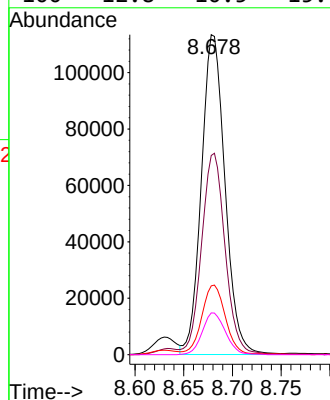
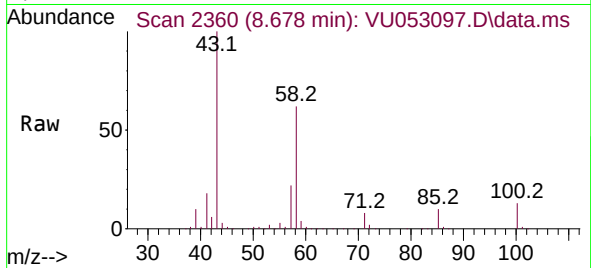


#48
2-Hexanone
Concen: 102.184 ug/L
RT: 8.678 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Instrument :
MSVOA_U
ClientSampleId :
VICV004

Tgt Ion: 43 Resp: 191333

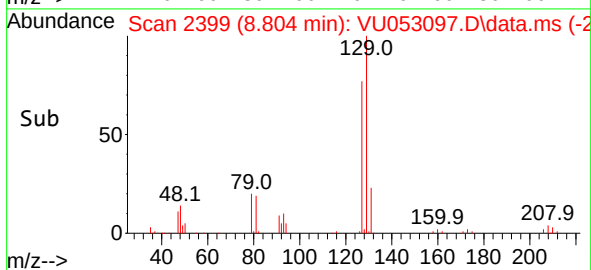
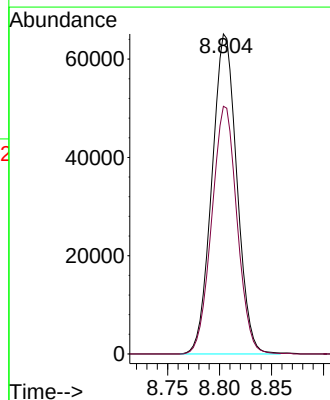
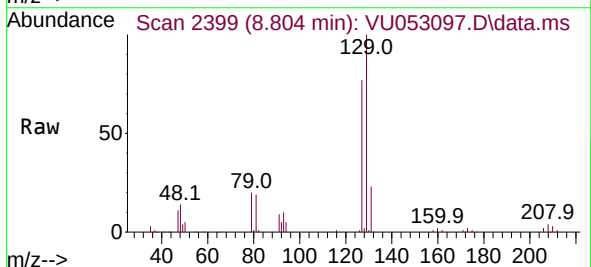
Ion	Ratio	Lower	Upper
43	100		
58	62.2	50.0	75.0
57	21.7	17.7	26.5
100	12.8	10.5	15.7

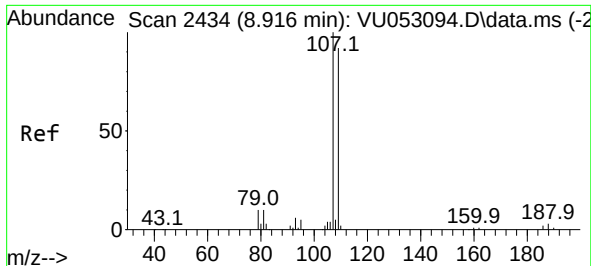


#49
Dibromochloromethane
Concen: 52.198 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion: 129 Resp: 108950

Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.9	101.9





#50

1,2-Dibromoethane

Concen: 52.758 ug/L

RT: 8.919 min Scan# 2434

Delta R.T. 0.003 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV004

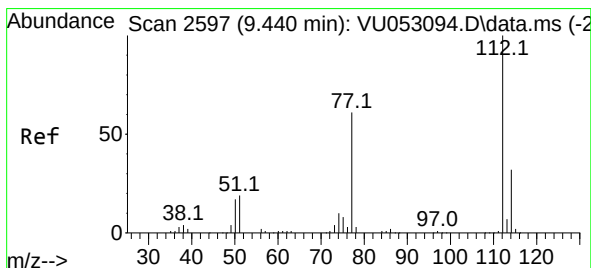
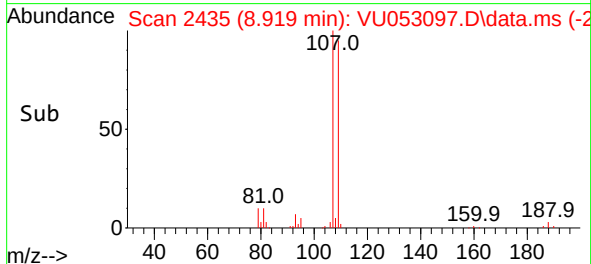
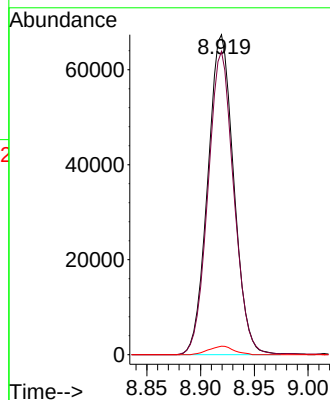
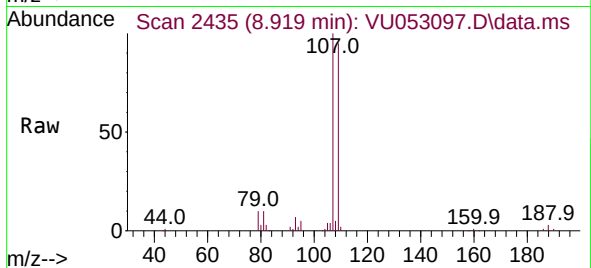
Tgt Ion:107 Resp: 113244

Ion Ratio Lower Upper

107 100

109 94.8 64.5 119.9

188 2.6 2.2 3.4



#51

Chlorobenzene

Concen: 50.061 ug/L

RT: 9.440 min Scan# 2597

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

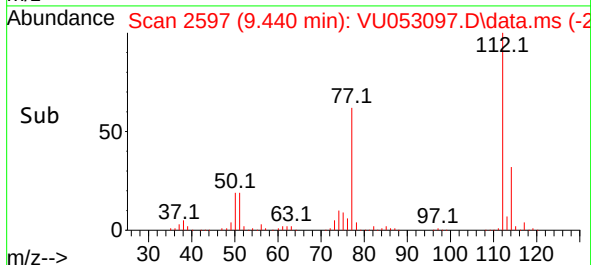
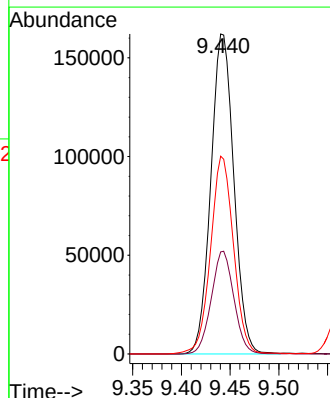
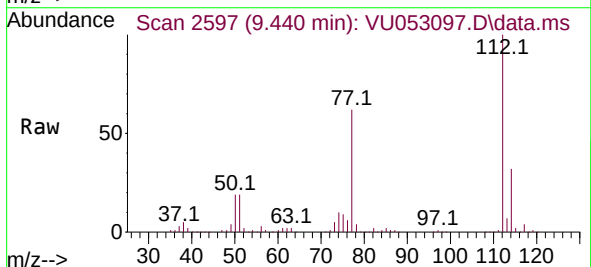
Tgt Ion:112 Resp: 266567

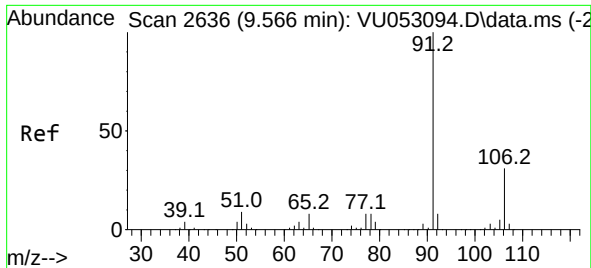
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 61.8 48.8 73.2

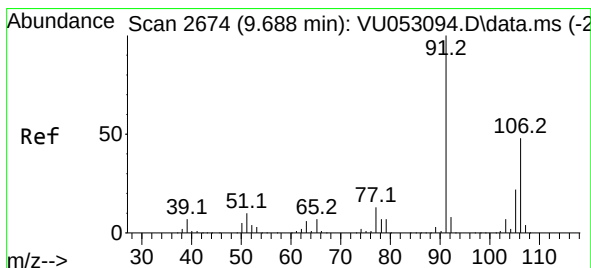
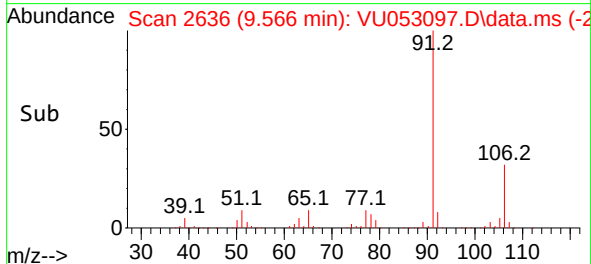
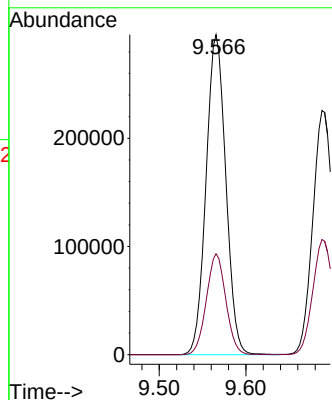
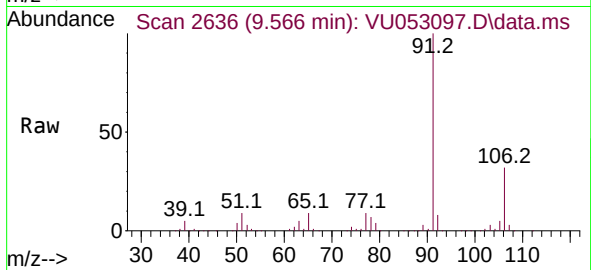




#52
Ethylbenzene
Concen: 48.844 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

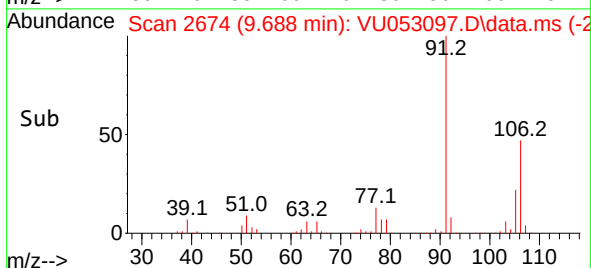
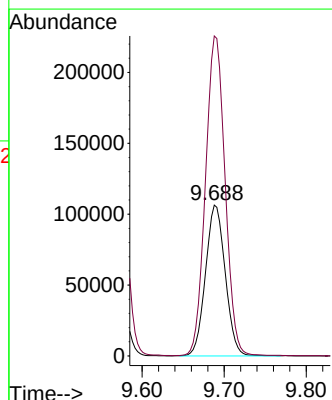
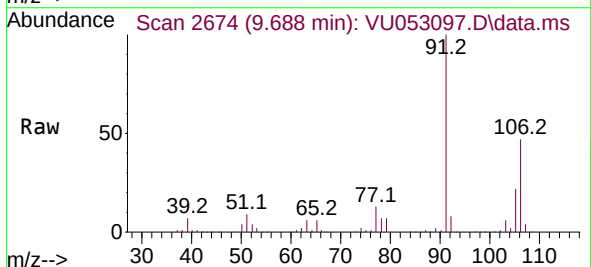
Instrument :
MSVOA_U
ClientSampleId :
VICV004

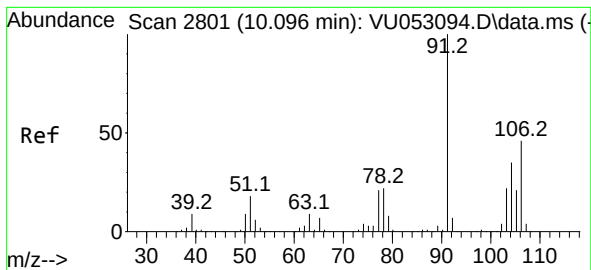
Tgt Ion: 91 Resp: 468225
Ion Ratio Lower Upper
91 100
106 31.6 21.5 39.9



#53
m,p-Xylene
Concen: 49.374 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion:106 Resp: 177977
Ion Ratio Lower Upper
106 100
91 212.0 145.6 270.4





#54

o-xylene

Concen: 50.076 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

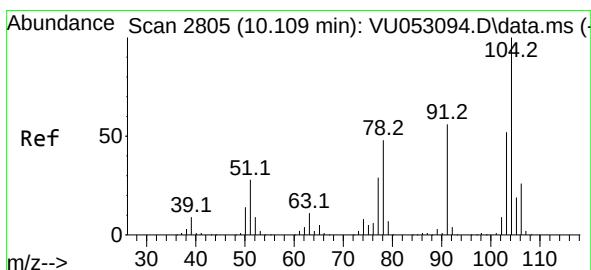
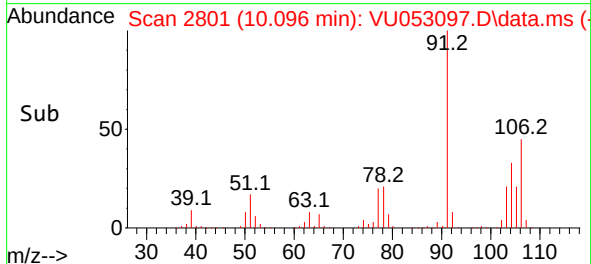
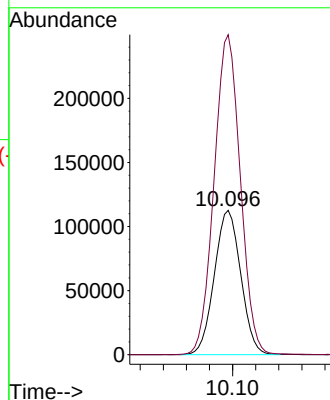
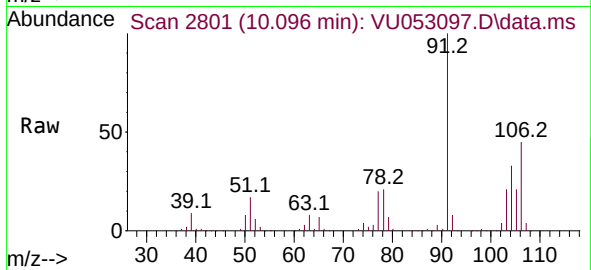
VICV004

Tgt Ion:106 Resp: 178960

Ion Ratio Lower Upper

106 100

91 221.8 152.8 283.8



#55

Styrene

Concen: 49.823 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. -0.000 min

Lab File: VU053097.D

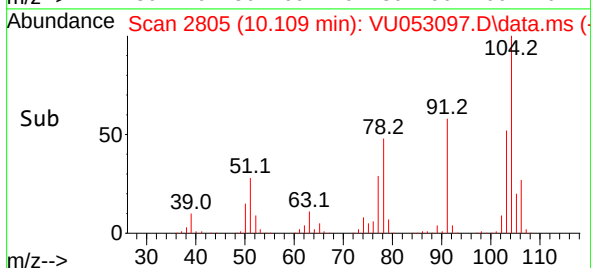
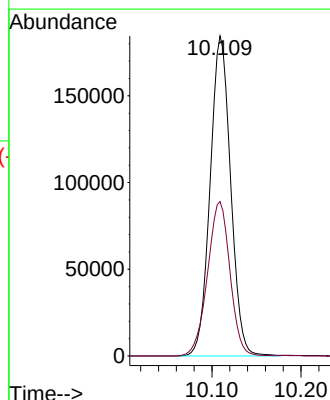
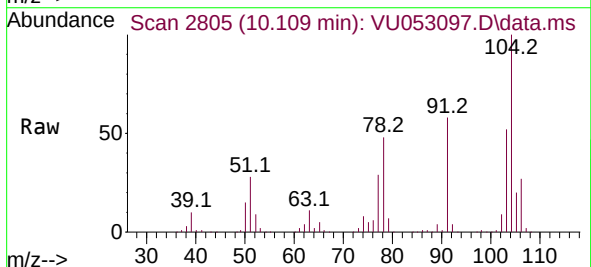
Acq: 14 Feb 2023 14:41

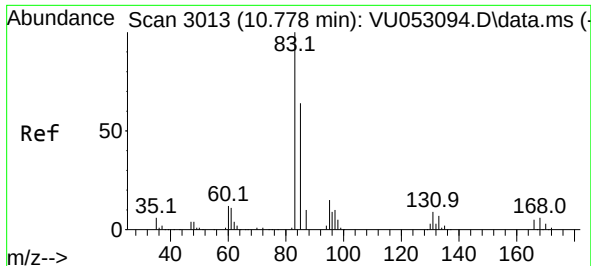
Tgt Ion:104 Resp: 295326

Ion Ratio Lower Upper

104 100

78 48.2 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 52.137 ug/L

RT: 10.778 min Scan# 3013

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV004

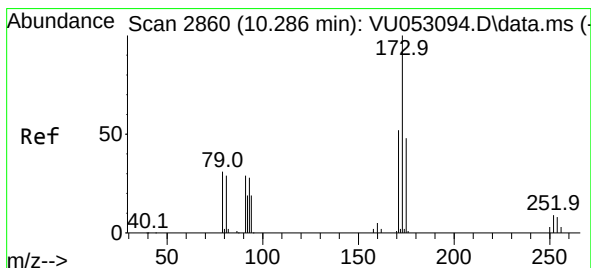
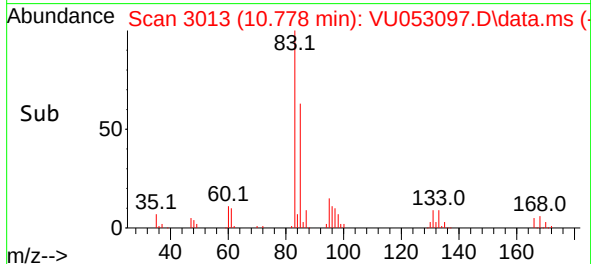
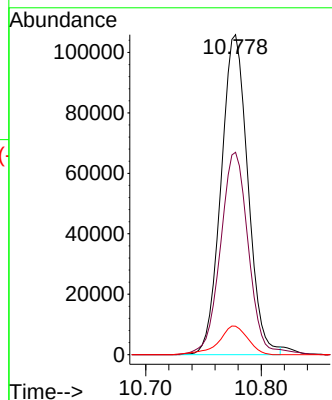
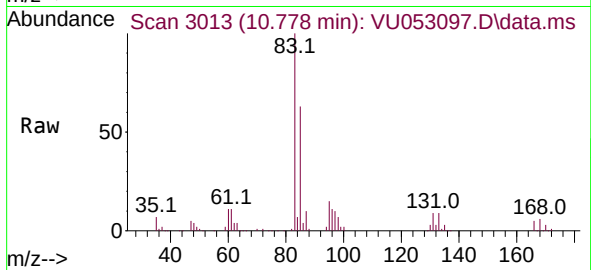
Tgt Ion: 83 Resp: 170898

Ion Ratio Lower Upper

83 100

85 63.2 44.7 82.9

131 8.9 7.2 10.8



#59

Bromoform

Concen: 52.976 ug/L

RT: 10.286 min Scan# 2860

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

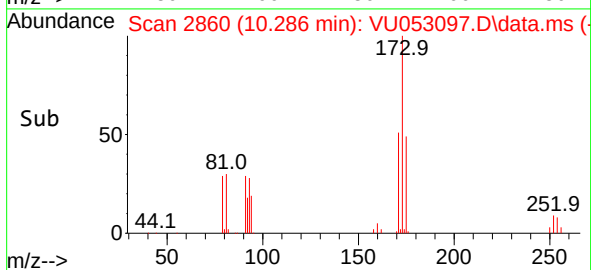
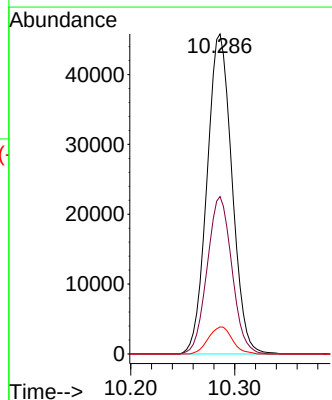
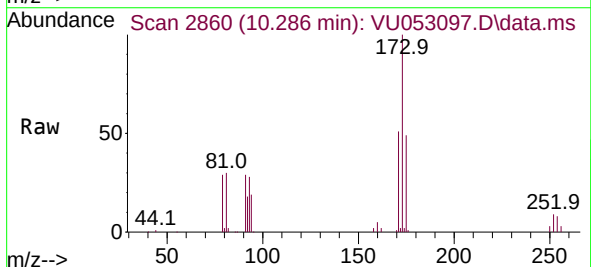
Tgt Ion:173 Resp: 76339

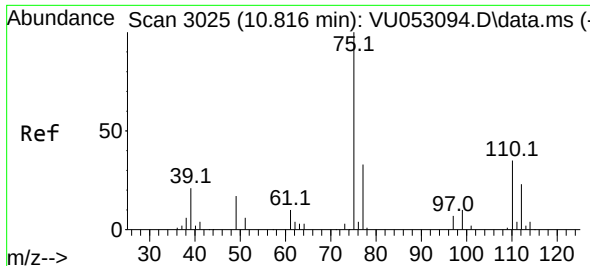
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 8.1 6.4 9.6

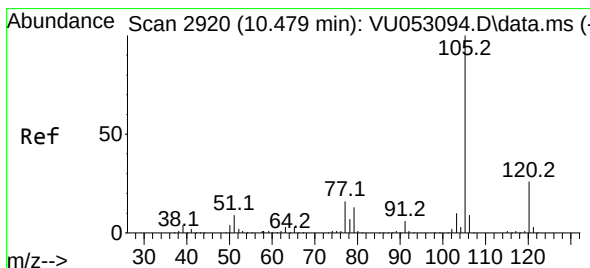
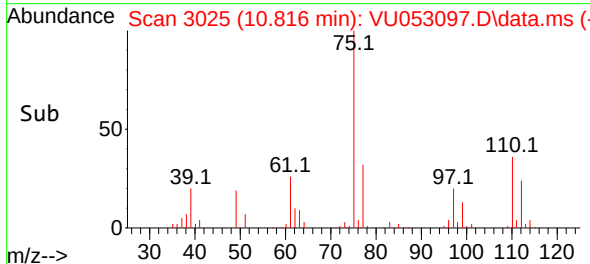
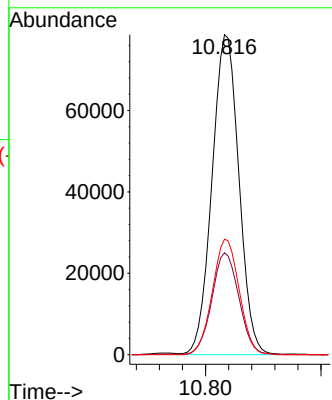
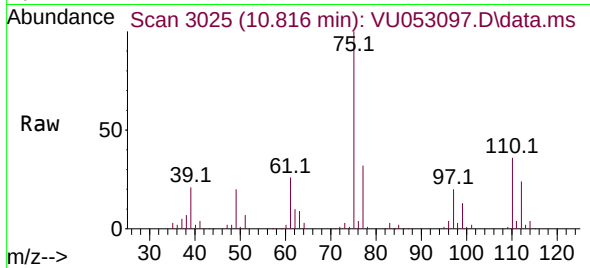




#60
1,2,3-Trichloropropane
Concen: 51.958 ug/L
RT: 10.816 min Scan# 3025
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

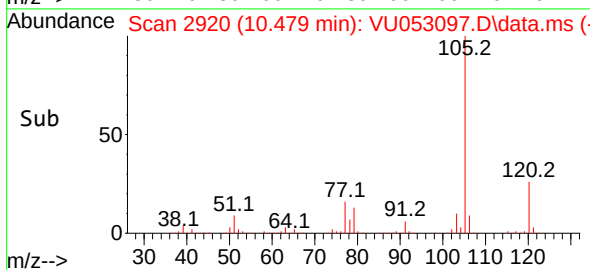
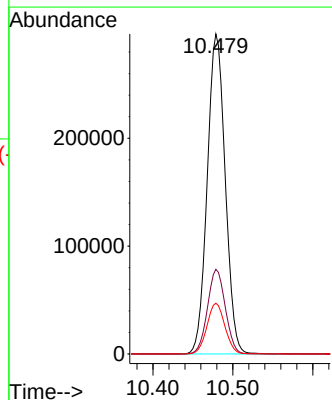
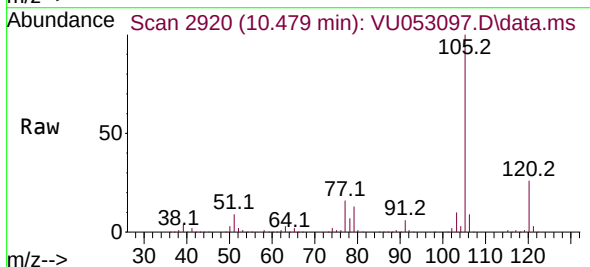
Instrument :
MSVOA_U
ClientSampleId :
VICV004

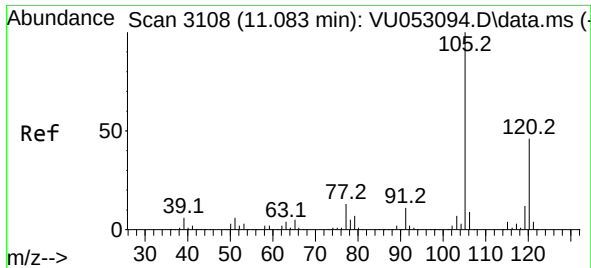
Tgt Ion: 75 Resp: 126953
Ion Ratio Lower Upper
75 100
77 32.2 26.6 39.8
110 35.9 28.6 42.8



#61
Isopropylbenzene
Concen: 49.630 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion: 105 Resp: 463842
Ion Ratio Lower Upper
105 100
120 26.2 20.8 31.2
77 15.9 12.8 19.2

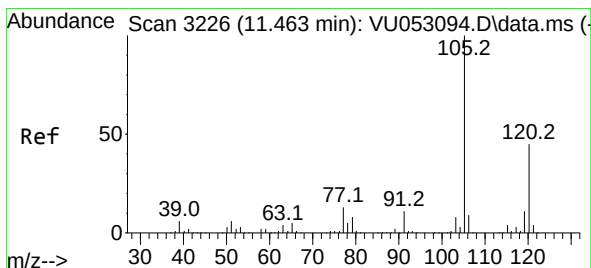
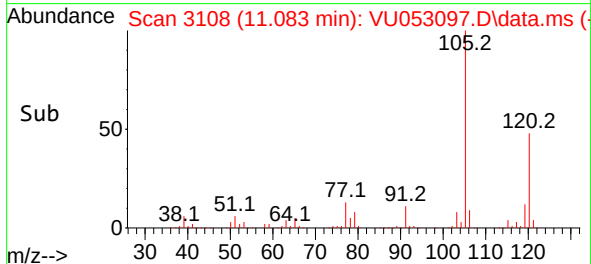
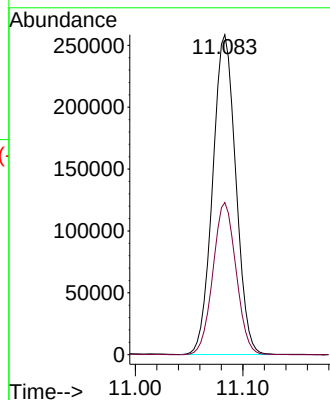
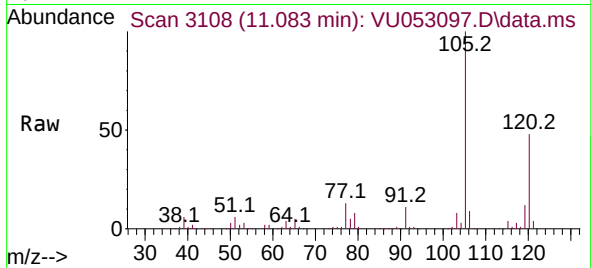




#62
1,3,5-Trimethylbenzene
Concen: 48.861 ug/L
RT: 11.083 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

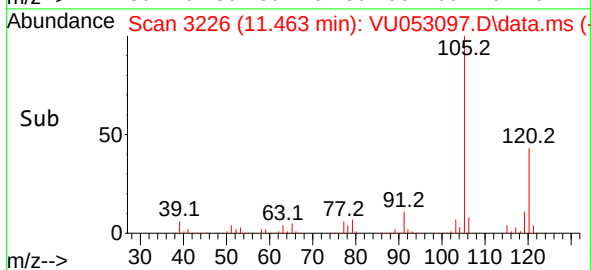
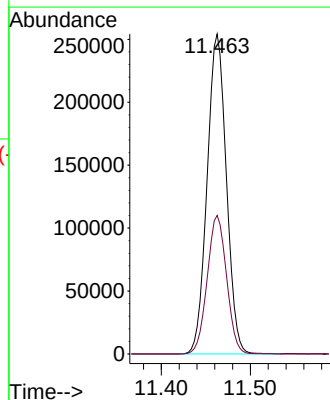
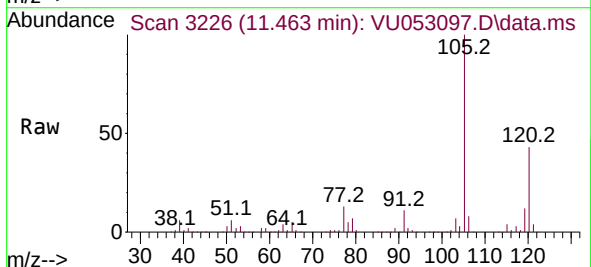
Instrument :
MSVOA_U
ClientSampleId :
VICV004

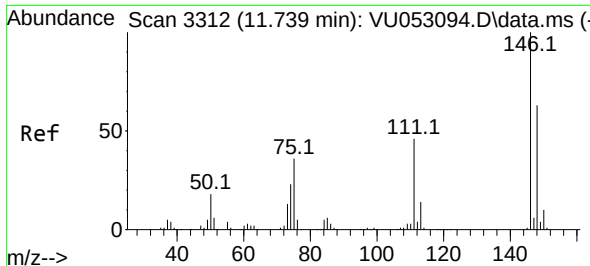
Tgt Ion:105 Resp: 386647
Ion Ratio Lower Upper
105 100
120 47.6 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 49.757 ug/L
RT: 11.463 min Scan# 3226
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion:105 Resp: 381113
Ion Ratio Lower Upper
105 100
120 43.5 35.4 53.2





#64

1,3-Dichlorobenzene

Concen: 50.244 ug/L

RT: 11.739 min Scan# 3312

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV004

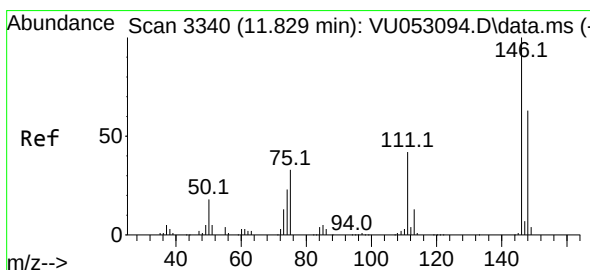
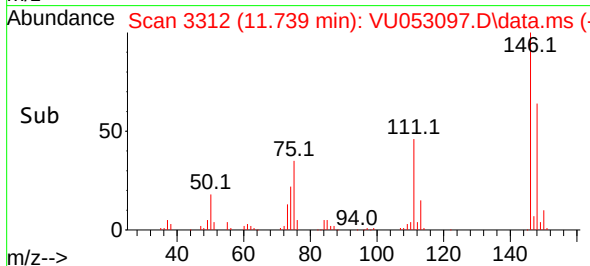
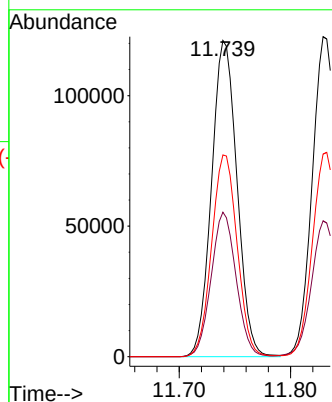
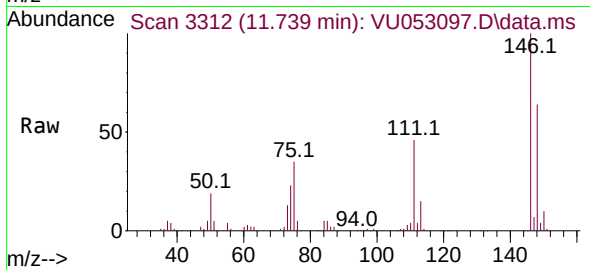
Tgt Ion:146 Resp: 192301

Ion Ratio Lower Upper

146 100

111 45.7 32.1 59.5

148 63.8 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 49.651 ug/L

RT: 11.829 min Scan# 3340

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

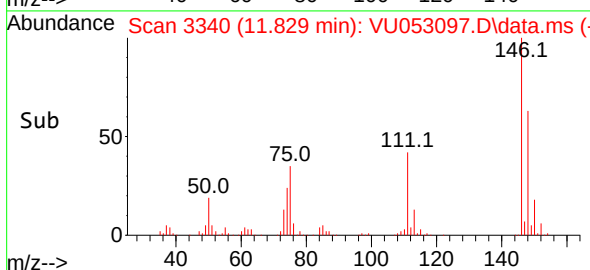
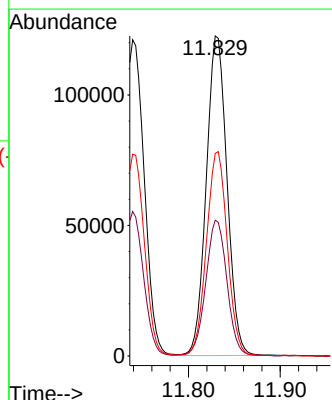
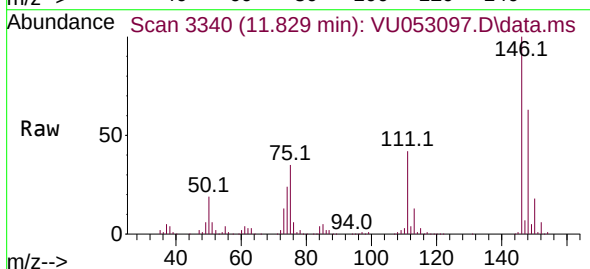
Tgt Ion:146 Resp: 192790

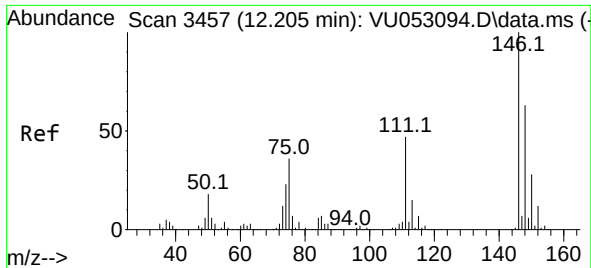
Ion Ratio Lower Upper

146 100

111 42.5 29.9 55.5

148 63.3 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 50.349 ug/L

RT: 12.209 min Scan# 3457

Delta R.T. 0.003 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV004

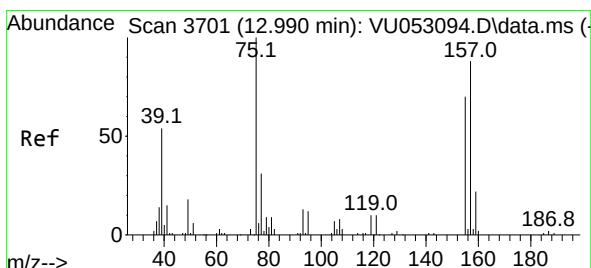
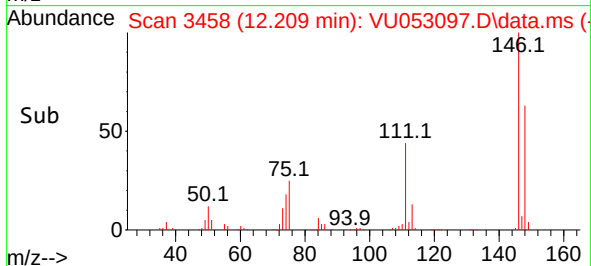
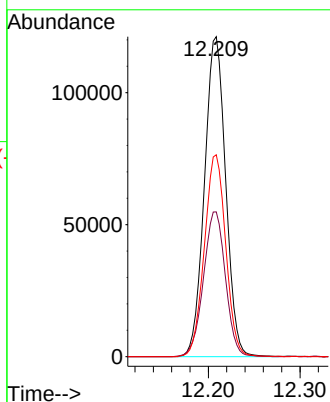
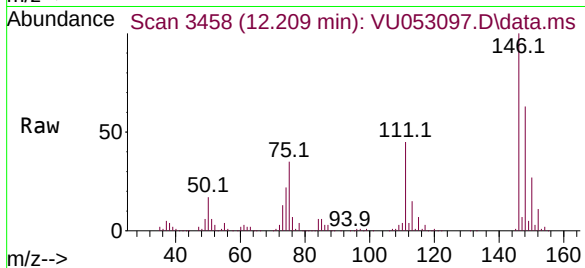
Tgt Ion:146 Resp: 194762

Ion Ratio Lower Upper

146 100

111 45.2 37.8 56.6

148 63.1 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 53.083 ug/L

RT: 12.990 min Scan# 3701

Delta R.T. -0.000 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

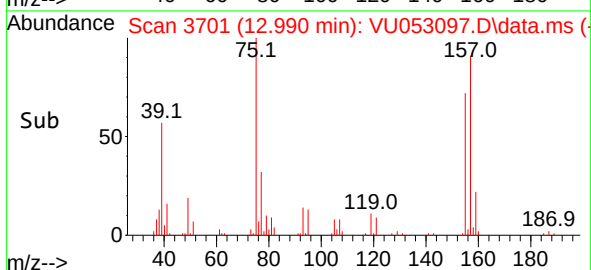
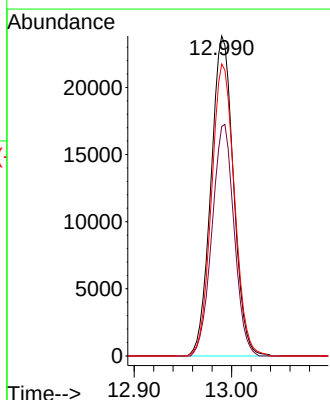
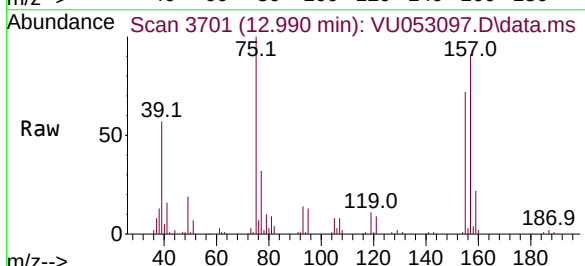
Tgt Ion: 75 Resp: 38234

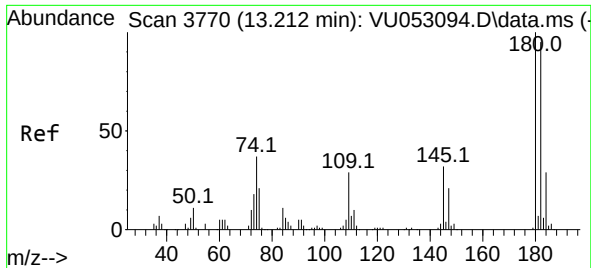
Ion Ratio Lower Upper

75 100

155 71.8 55.8 83.6

157 91.2 70.7 106.1





#69

1,3,5-Trichlorobenzene

Concen: 47.961 ug/L

RT: 13.215 min Scan# 3771

Delta R.T. 0.003 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV004

Tgt Ion:180 Resp: 124439

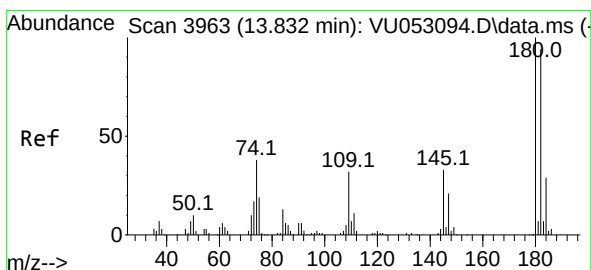
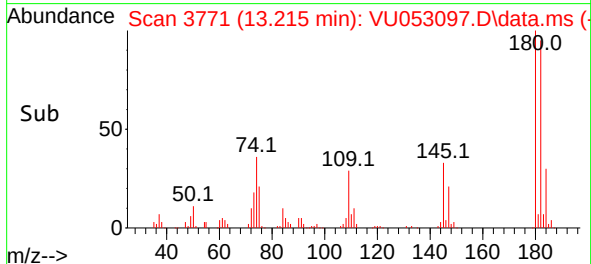
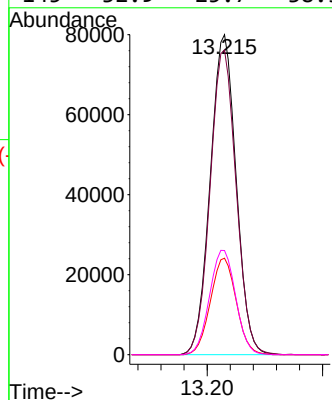
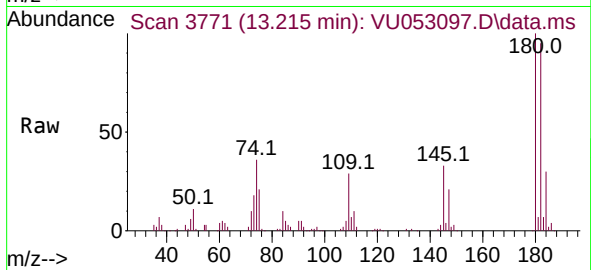
Ion Ratio Lower Upper

180 100

182 95.9 76.9 115.3

184 30.2 23.7 35.5

145 32.9 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 48.353 ug/L

RT: 13.836 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU053097.D

Acq: 14 Feb 2023 14:41

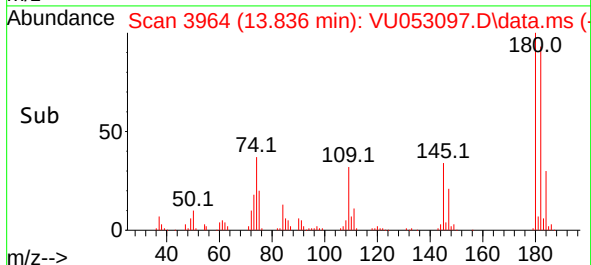
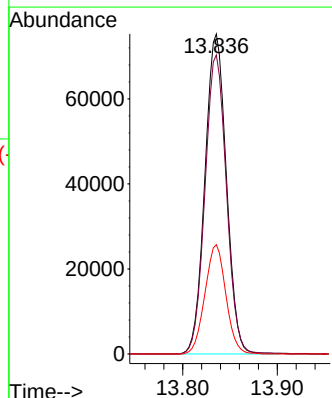
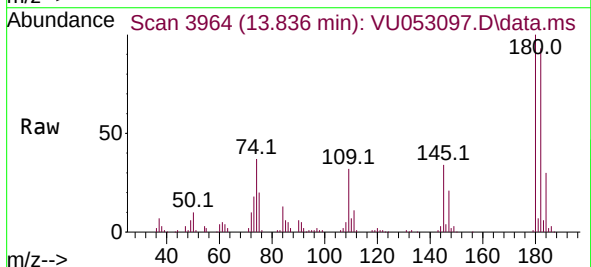
Tgt Ion:180 Resp: 118731

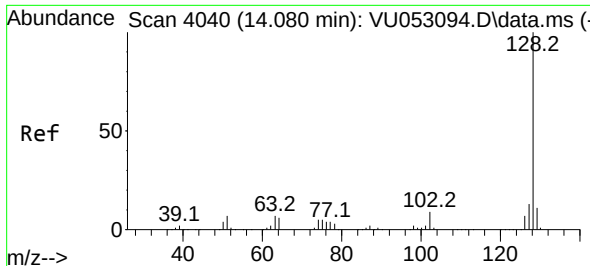
Ion Ratio Lower Upper

180 100

182 93.3 76.4 114.6

145 33.3 26.8 40.2

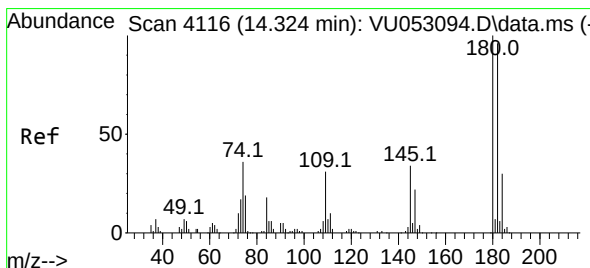
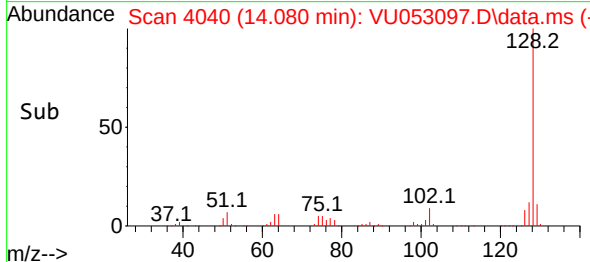
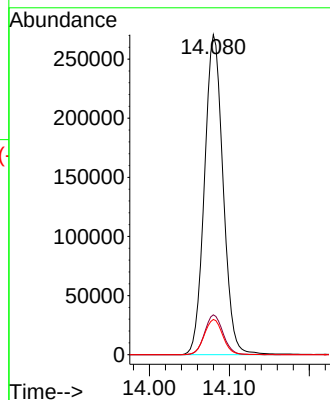
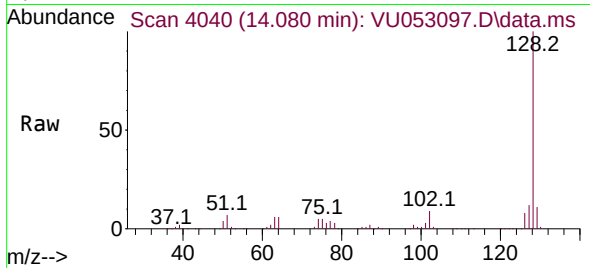




#71
Naphthalene
Concen: 46.503 ug/L
RT: 14.080 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Instrument :
MSVOA_U
ClientSampleId :
VICV004

Tgt Ion:128 Resp: 438417
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 11.0 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 48.267 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. -0.000 min
Lab File: VU053097.D
Acq: 14 Feb 2023 14:41

Tgt Ion:180 Resp: 119007
Ion Ratio Lower Upper
180 100
182 94.7 75.4 113.2
145 34.9 28.2 42.2

