

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092223\
 Data File : VU055454.D
 Acq On : 22 Sep 2023 12:53
 Operator : MD/SY
 Sample : VU0922WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK043

Quant Time: Sep 25 01:09:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 25 01:08:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.258	114	532	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.425	117	1666	5.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.817	152	2397	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.486	65	225	4.185	ug/L	-0.11
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.930	69	72	1.519	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	30.400%#
11) 1,1-Dichloroethene-d2	2.557	65	62	2.801	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.000%#
20) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	50.000	Range	40 - 130	Recovery	=	0.000%#
24) Chloroform-d	5.062	84	124	1.275	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	25.400%#
26) 1,2-Dichloroethane-d4	5.708	65	85	1.817	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	36.400%#
32) Benzene-d6	5.734	84	567	0.973	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	19.400%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	5.000	Range	60 - 140	Recovery	=	0.000%#
41) Toluene-d8	7.901	98	922	1.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	34.800%#
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.000%#
46) 2-Hexanone-d5	8.650	63	112	6.026	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	12.060%#
56) 1,1,2,2-Tetrachloroeth...	10.756	84	209	1.602	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	32.000%#
66) 1,2-Dichlorobenzene-d4	12.197	152	2210	4.568	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	1098	24.099	ug/L	91
5) Vinyl chloride	1.602	62	172	3.499	ug/L #	68
6) Bromomethane	1.859	94	455	14.573	ug/L	88
8) Chloroethane	1.924	64	115	3.585	ug/L #	1
12) 1,1-Dichloroethene	2.573	96	62	1.667	ug/L #	32
13) Acetone	2.647	43	704	127.166	ug/L	81
14) Carbon disulfide	2.789	76	1885	16.858	ug/L #	88
15) Methyl Acetate	2.962	43	317	25.115	ug/L #	47
16) Methylene chloride	3.039	84	11994	269.141	ug/L	91
18) trans-1,2-Dichloroethene	3.358	96	190	5.068	ug/L #	53
19) 1,1-Dichloroethane	3.872	63	77	1.111	ug/L #	50
21) 2-Butanone	4.756	43	247	30.420	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	1066	24.525	ug/L #	67
25) Chloroform	5.071	83	107	1.457	ug/L	97
27) 1,2-Dichloroethane	5.811	62	99	2.199	ug/L #	76
30) Cyclohexane	5.364	56	44	0.253	ug/L #	14
33) Benzene	5.779	78	841	1.754	ug/L	100
34) Trichloroethene	6.550	95	852	6.282	ug/L #	77
35) Methylcyclohexane	6.763	83	68	0.348	ug/L #	1

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

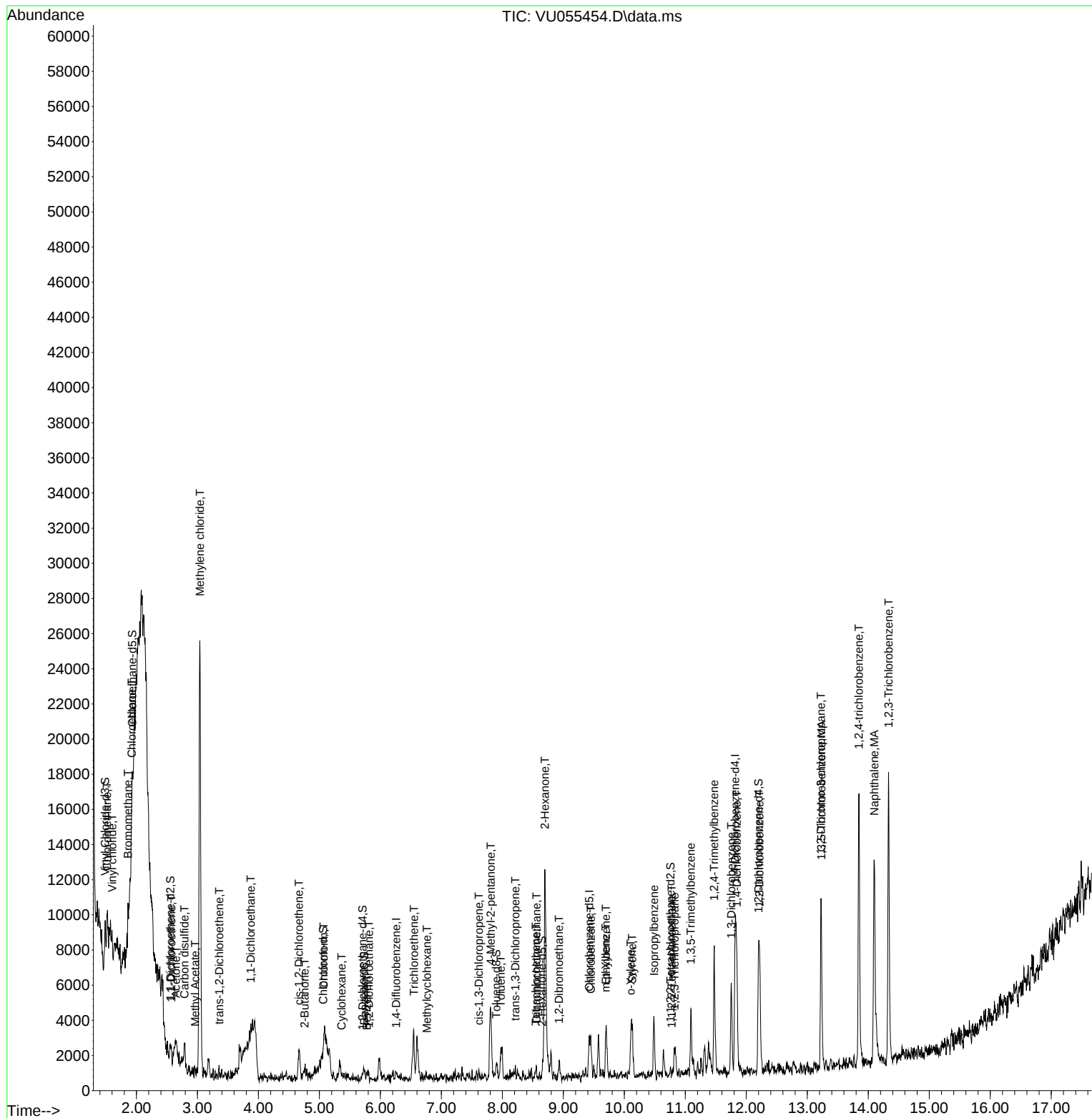
39) cis-1,3-Dichloropropene	7.615	75	205	1.225	ug/L #	44
40) 4-Methyl-2-pentanone	7.808	43	3736	65.676	ug/L #	55
42) Toluene	7.972	91	659	1.288	ug/L #	55
44) trans-1,3-Dichloropropene	8.213	75	83	0.620	ug/L #	44
47) Tetrachloroethene	8.547	164	217	2.230	ug/L #	26
48) 2-Hexanone	8.698	43	9471	214.824	ug/L #	81
49) Dibromochloromethane	8.560	129	44	0.477	ug/L #	9
50) 1,2-Dibromoethane	8.927	107	69	0.846	ug/L #	6
51) Chlorobenzene	9.451	112	1111	3.391	ug/L	89
52) Ethylbenzene	9.698	91	2244	4.093	ug/L	87
53) m,p-Xylene	9.692	106	429	2.088	ug/L	83
54) o-Xylene	10.103	106	682	3.414	ug/L #	1
55) Styrene	10.126	104	1692	5.238	ug/L #	73
57) 1,1,2,2-Tetrachloroethane	10.775	83	103	1.038	ug/L #	26
60) Isopropylbenzene	10.486	105	2852	2.064	ug/L	99
61) 1,2,3-Trichloropropane	10.824	75	267	1.427	ug/L #	39
62) 1,3,5-Trimethylbenzene	11.090	105	2719	2.461	ug/L	88
63) 1,2,4-Trimethylbenzene	11.473	105	4376	4.047	ug/L	95
64) 1,3-Dichlorobenzene	11.753	146	2580	3.901	ug/L	95
65) 1,4-Dichlorobenzene	11.843	146	2927	4.428	ug/L	95
67) 1,2-Dichlorobenzene	12.216	146	2937	4.843	ug/L #	84
68) 1,2-Dibromo-3-chloropr...	13.222	75	759	23.402	ug/L #	2
69) 1,3,5-Trichlorobenzene	13.229	180	3612	7.930	ug/L #	93
70) 1,2,4-trichlorobenzene	13.846	180	5657	16.291	ug/L #	93
71) Naphthalene	14.097	128	13569	26.991	ug/L #	96
72) 1,2,3-Trichlorobenzene	14.331	180	5342	17.679	ug/L	93

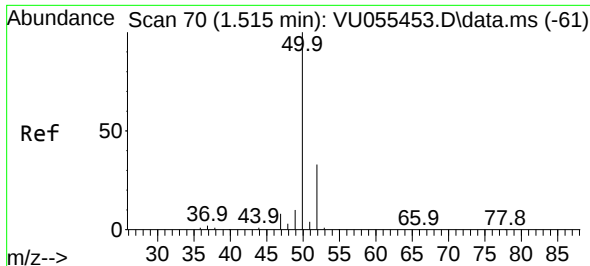
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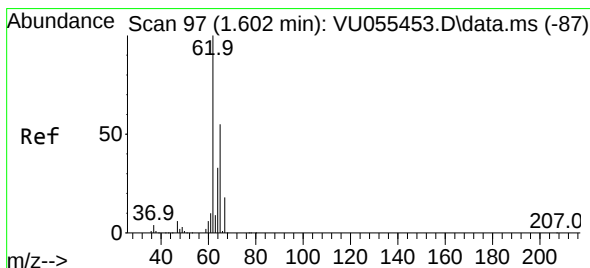
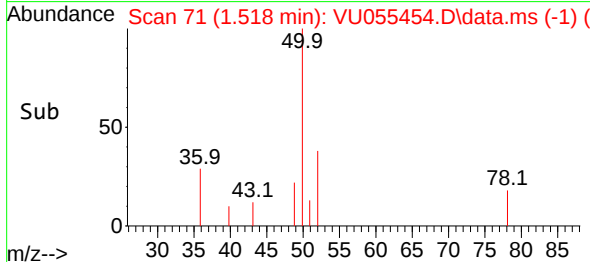
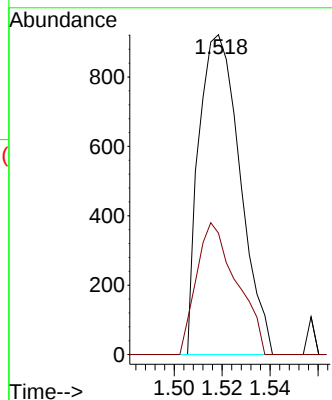
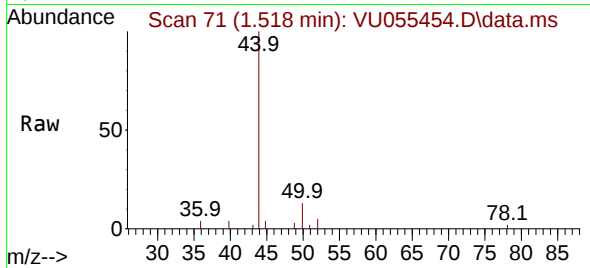




#3
Chloromethane
Concen: 24.099 ug/L
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

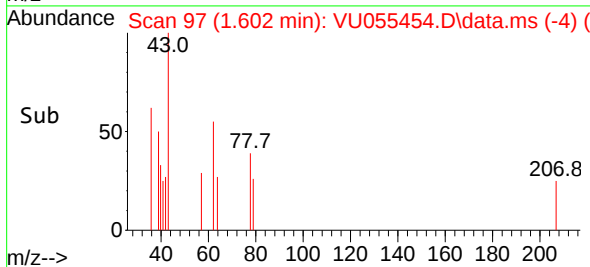
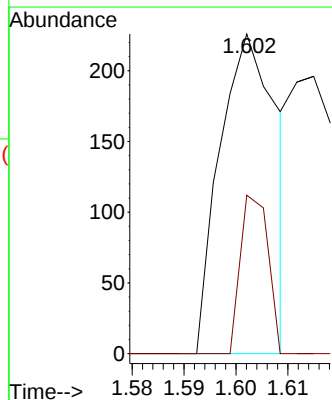
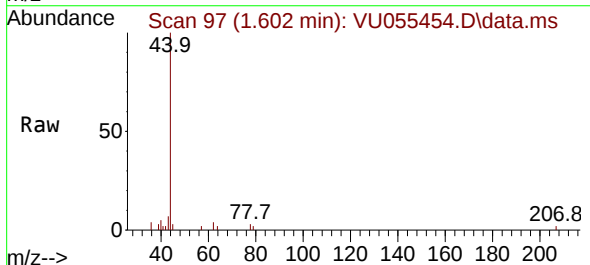
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MSVOA_U
ClientSampleId :
VBLK043

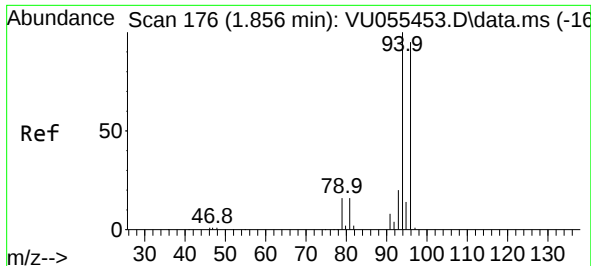
Tgt Ion: 50 Resp: 1098
Ion Ratio Lower Upper
50 100
52 38.0 22.9 42.5



#5
Vinyl chloride
Concen: 3.499 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

Tgt Ion: 62 Resp: 172
Ion Ratio Lower Upper
62 100
64 49.6 22.3 41.5#

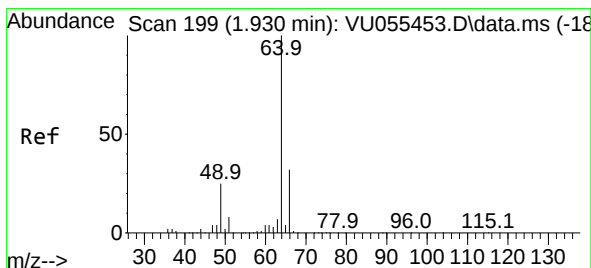
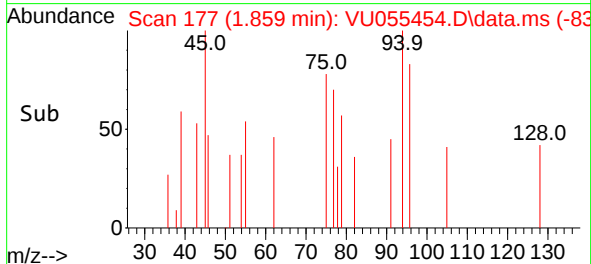
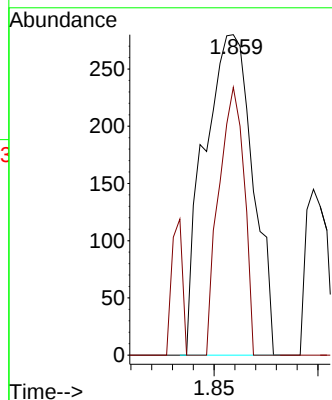
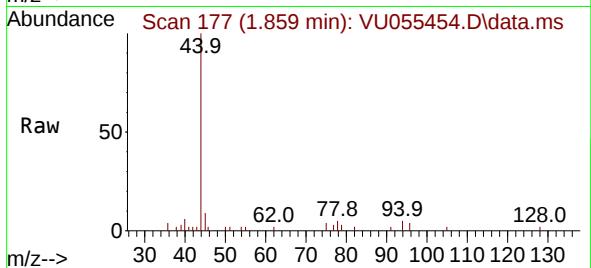




#6
Bromomethane
Concen: 14.573 ug/L
RT: 1.859 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

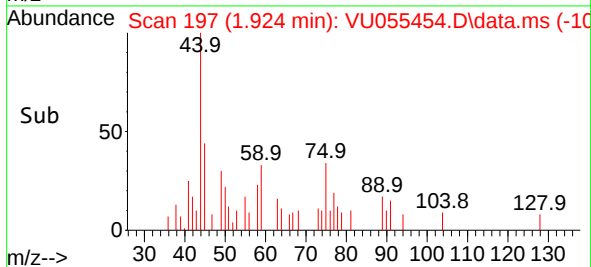
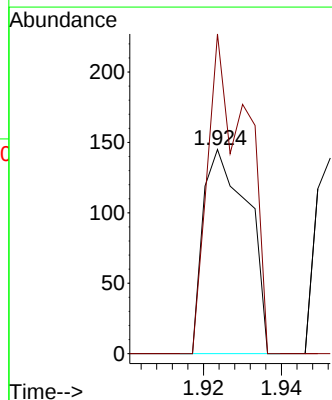
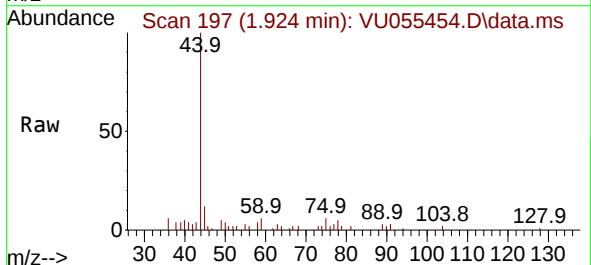
Instrument :
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ClientSampleId :
VBLK043

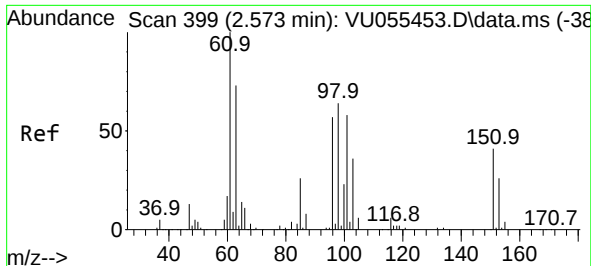
Tgt Ion: 94 Resp: 455
Ion Ratio Lower Upper
94 100
96 83.6 66.4 123.2



#8
Chloroethane
Concen: 3.585 ug/L
RT: 1.924 min Scan# 197
Delta R.T. -0.006 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

Tgt Ion: 64 Resp: 115
Ion Ratio Lower Upper
64 100
66 156.6 23.7 44.1#





#12

1,1-Dichloroethene

Concen: 1.667 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VBLK043

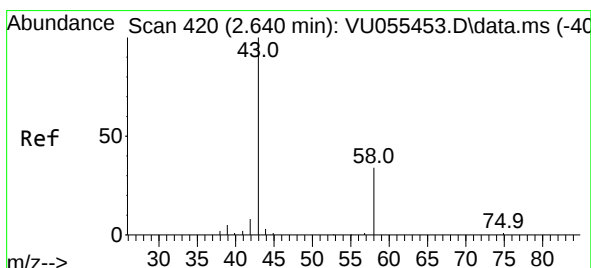
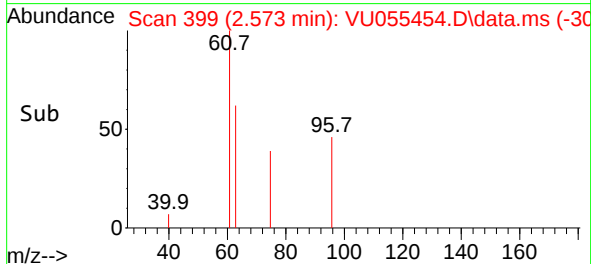
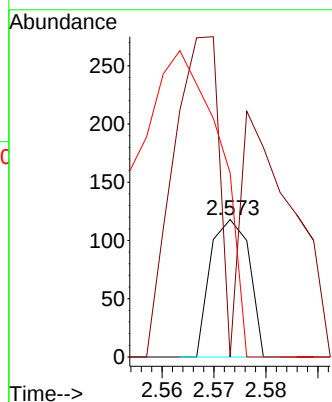
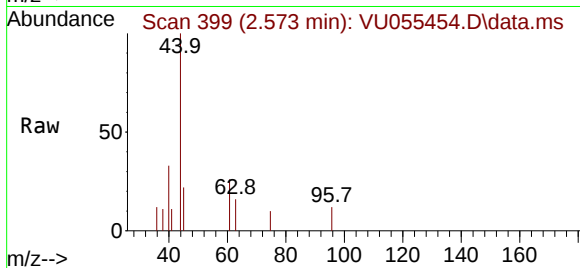
Tgt Ion: 96 Resp: 62

Ion Ratio Lower Upper

96 100

61 0.0 114.5 212.7#

63 133.9 98.3 182.5



#13

Acetone

Concen: 127.166 ug/L

RT: 2.647 min Scan# 422

Delta R.T. 0.007 min

Lab File: VU055454.D

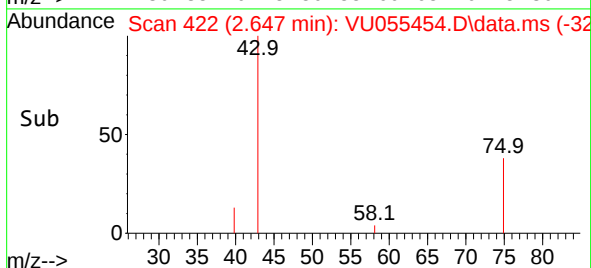
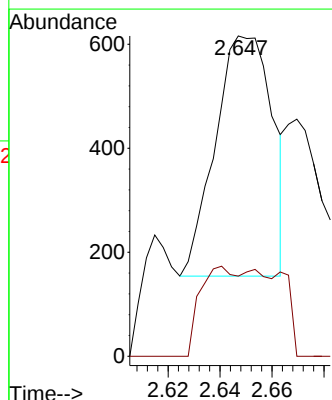
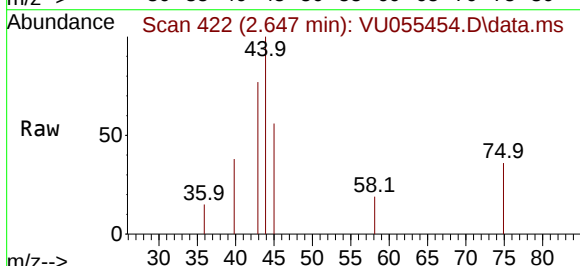
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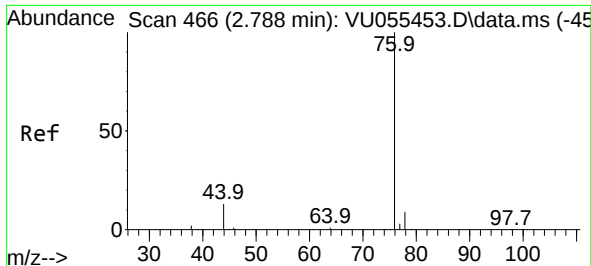
Tgt Ion: 43 Resp: 704

Ion Ratio Lower Upper

43 100

58 24.9 0.0 72.2

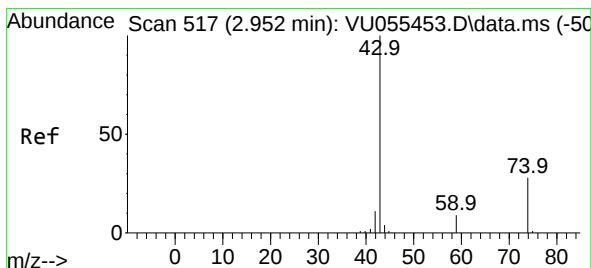
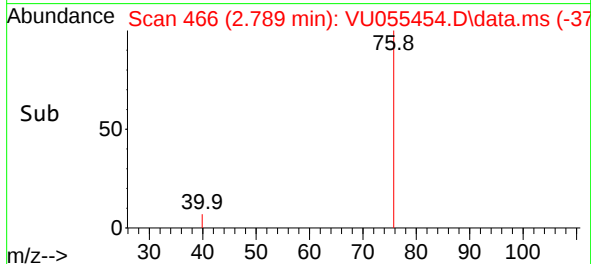
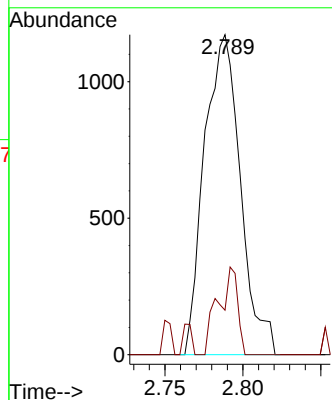
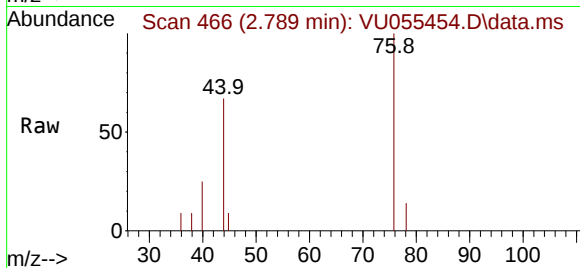




#14
Carbon disulfide
Concen: 16.858 ug/L
RT: 2.789 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

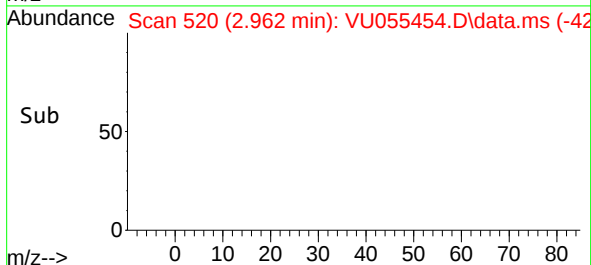
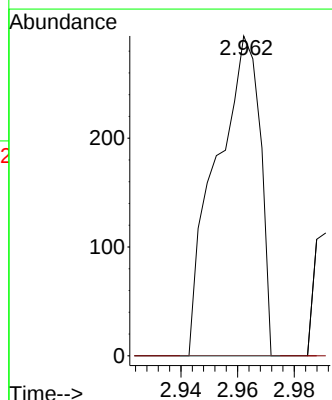
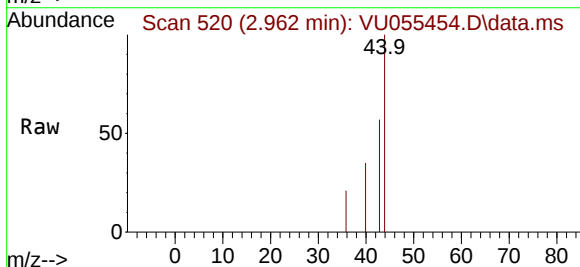
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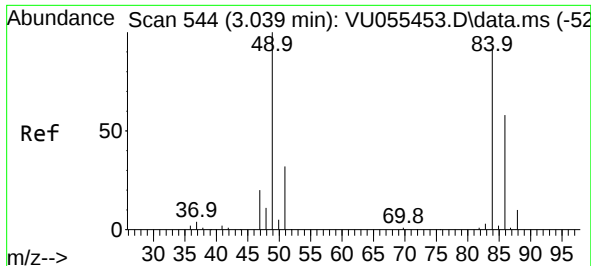
Tgt Ion: 76 Resp: 1885
Ion Ratio Lower Upper
76 100
78 13.9 7.7 11.5#



#15
Methyl Acetate
Concen: 25.115 ug/L
RT: 2.962 min Scan# 520
Delta R.T. 0.010 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

Tgt Ion: 43 Resp: 317
Ion Ratio Lower Upper
43 100
74 0.0 22.3 33.5#

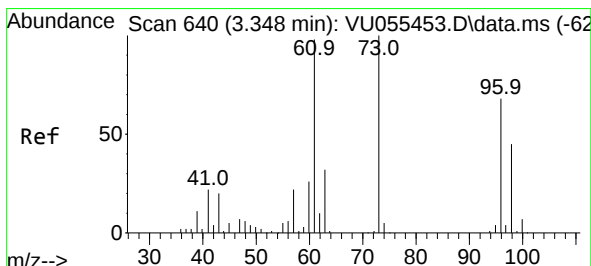
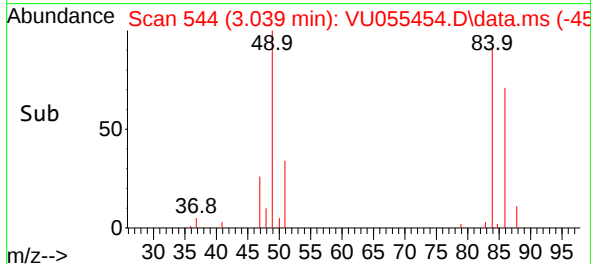
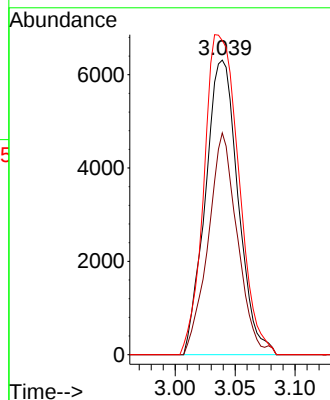
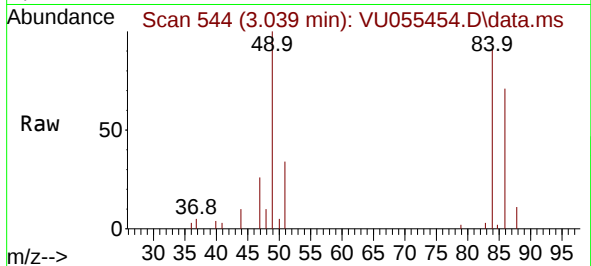




#16
Methylene chloride
Concen: 269.141 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055454.D
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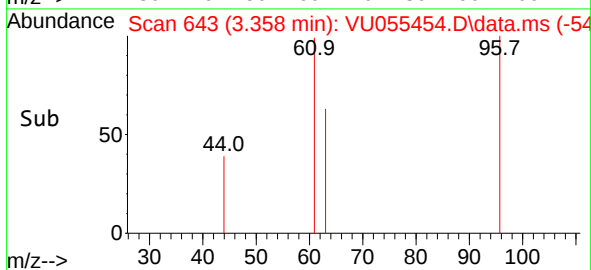
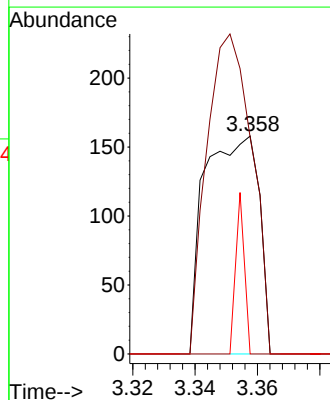
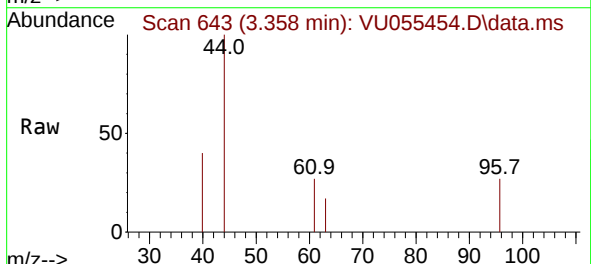
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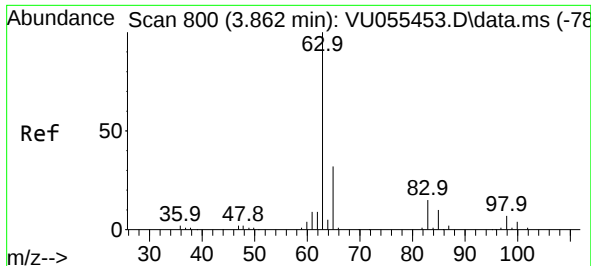
Tgt Ion: 84 Resp: 11994
Ion Ratio Lower Upper
84 100
86 75.3 44.9 83.3
49 106.7 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 5.068 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.010 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

Tgt Ion: 96 Resp: 190
Ion Ratio Lower Upper
96 100
61 99.4 94.6 175.6
98 0.0 45.7 84.9#





#19

1,1-Dichloroethane

Concen: 1.111 ug/L

RT: 3.872 min Scan# 80

Delta R.T. 0.010 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Instrument :

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ClientSampleId :

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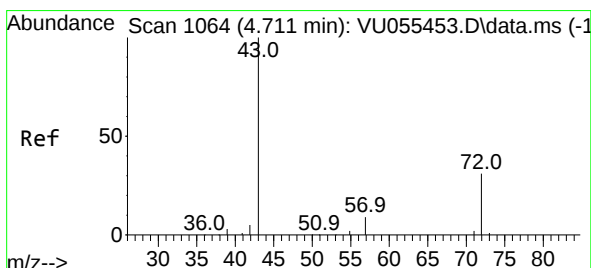
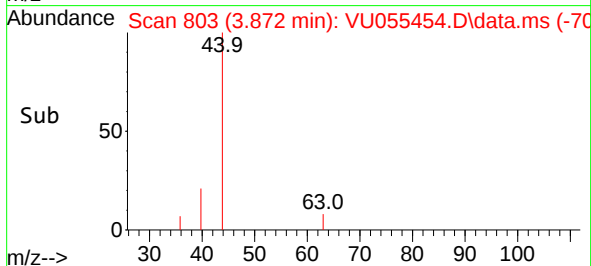
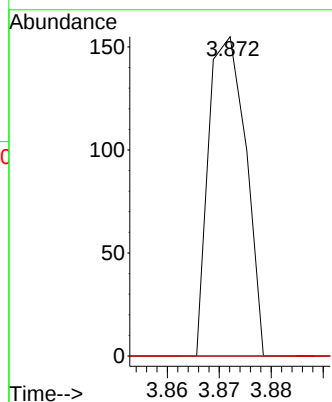
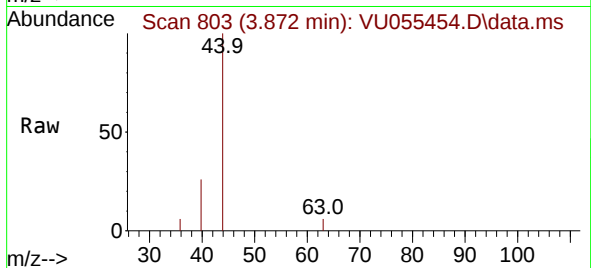
Tgt Ion: 63 Resp: 77

Ion Ratio Lower Upper

63 100

65 0.0 22.0 41.0#

83 0.0 10.1 18.9#



#21

2-Butanone

Concen: 30.420 ug/L

RT: 4.756 min Scan# 1078

Delta R.T. 0.045 min

Lab File: VU055454.D

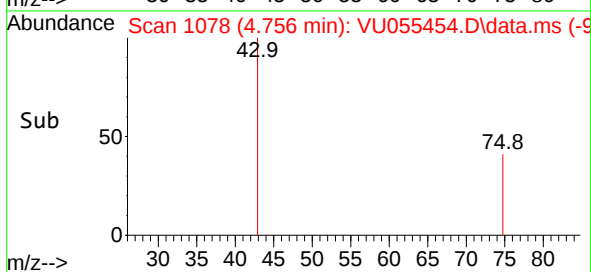
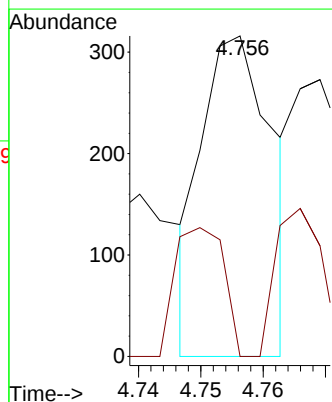
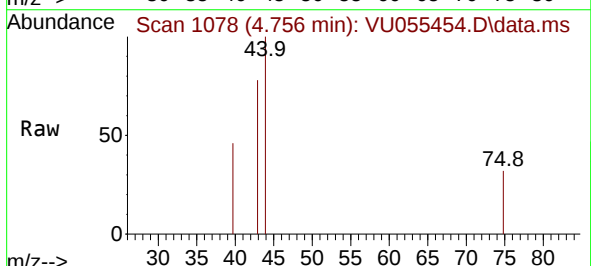
Acq: 22 Sep 2023 12:53

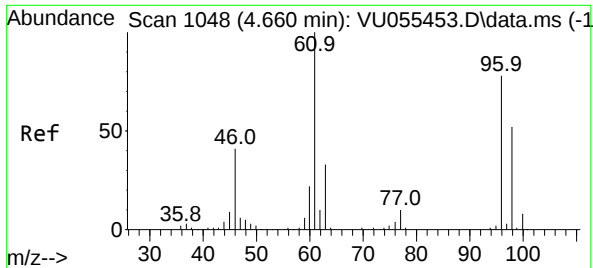
Tgt Ion: 43 Resp: 247

Ion Ratio Lower Upper

43 100

72 27.9 15.1 45.3





#22

cis-1,2-Dichloroethene

Concen: 24.525 ug/L

RT: 4.663 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VBLK043

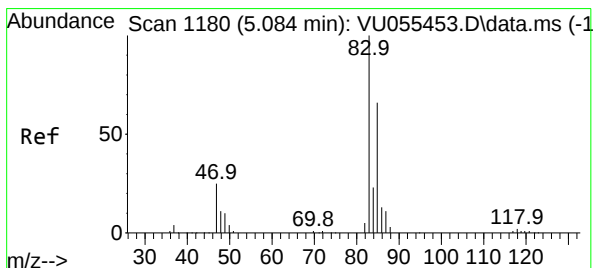
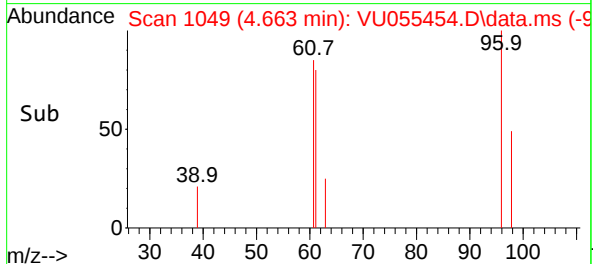
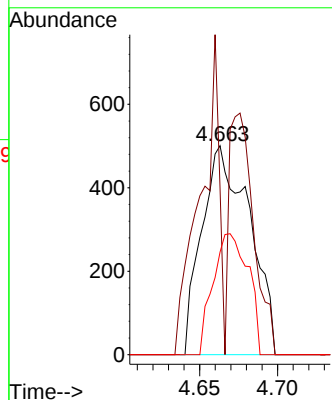
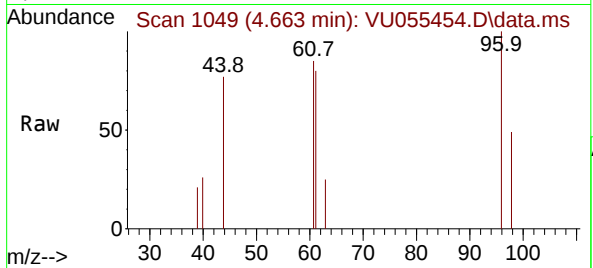
Tgt Ion: 96 Resp: 1066

Ion Ratio Lower Upper

96 100

61 79.6 87.8 163.2#

98 49.1 44.4 82.4



#25

Chloroform

Concen: 1.457 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. -0.013 min

Lab File: VU055454.D

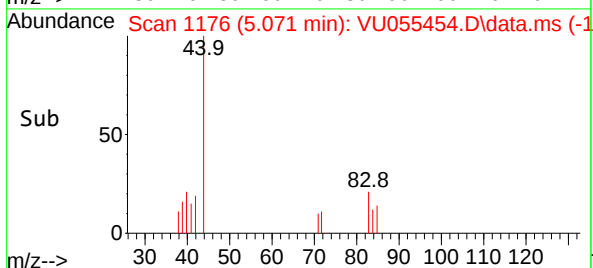
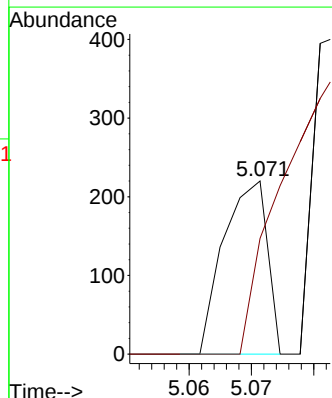
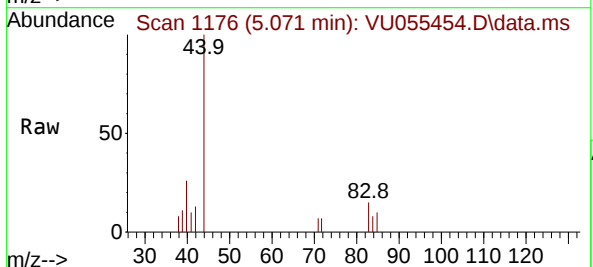
Acq: 22 Sep 2023 12:53

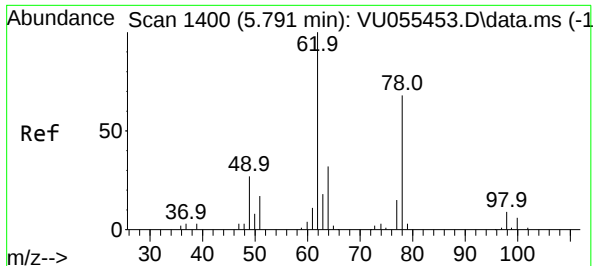
Tgt Ion: 83 Resp: 107

Ion Ratio Lower Upper

83 100

85 66.8 44.9 83.5





#27

1,2-Dichloroethane

Concen: 2.199 ug/L

RT: 5.811 min Scan# 1400

Delta R.T. 0.020 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

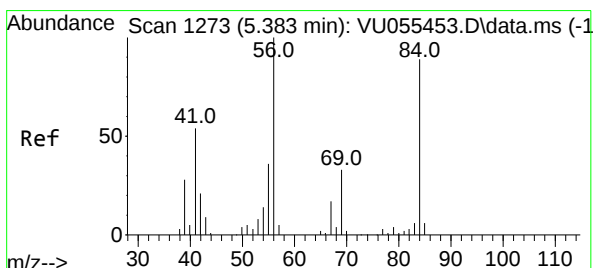
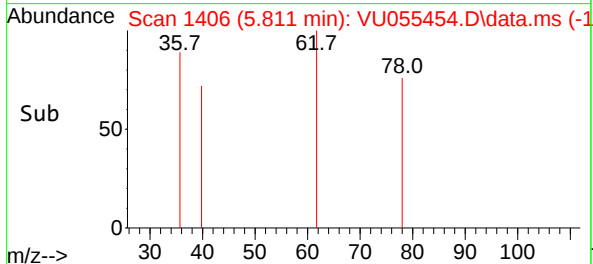
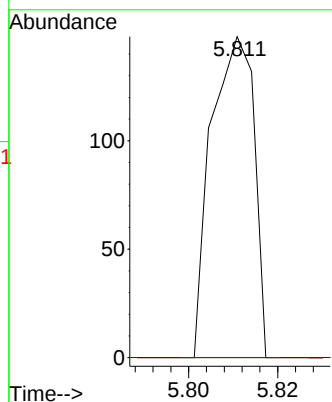
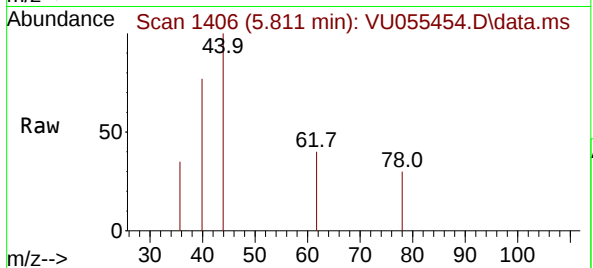
VBLK043

Tgt Ion: 62 Resp: 99

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#



#30

Cyclohexane

Concen: 0.253 ug/L

RT: 5.364 min Scan# 1267

Delta R.T. -0.019 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

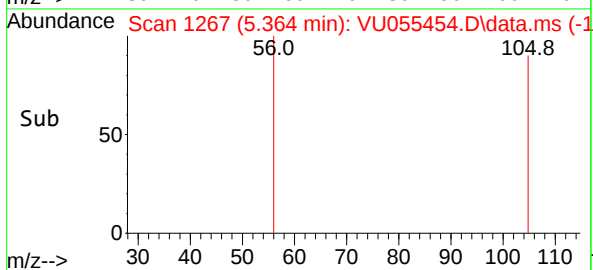
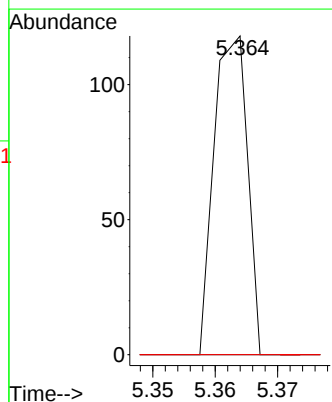
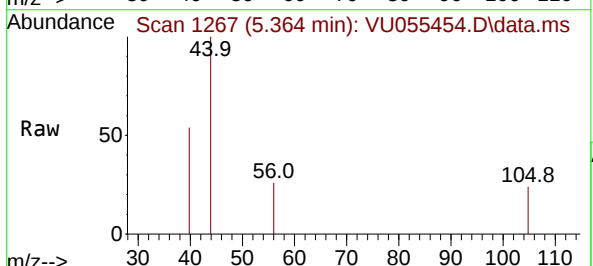
Tgt Ion: 56 Resp: 44

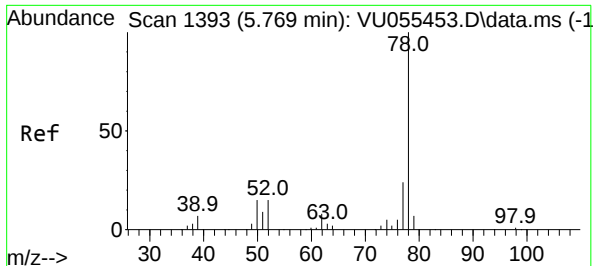
Ion Ratio Lower Upper

56 100

69 0.0 26.5 39.7#

84 0.0 72.6 108.8#





#33

Benzene

Concen: 1.754 ug/L

RT: 5.779 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

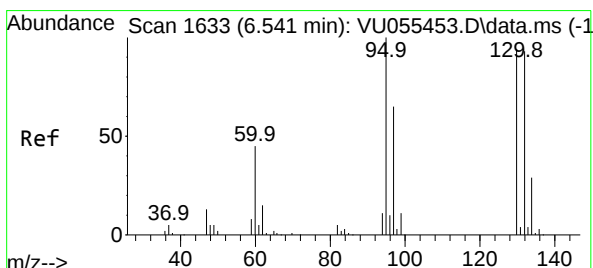
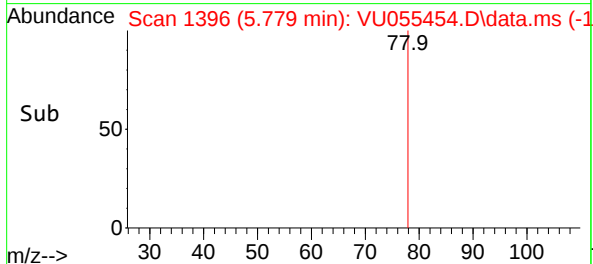
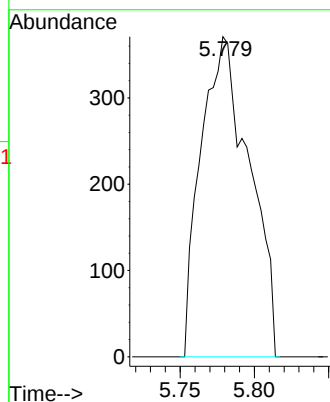
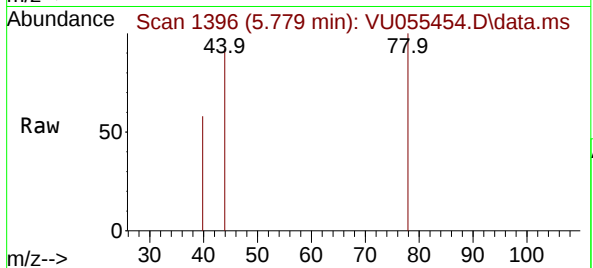
Instrument :

MSVOA_U

ClientSampleId :

VBLK043

Tgt Ion: 78 Resp: 841



#34

Trichloroethene

Concen: 6.282 ug/L

RT: 6.550 min Scan# 1636

Delta R.T. 0.010 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Tgt Ion: 95 Resp: 852

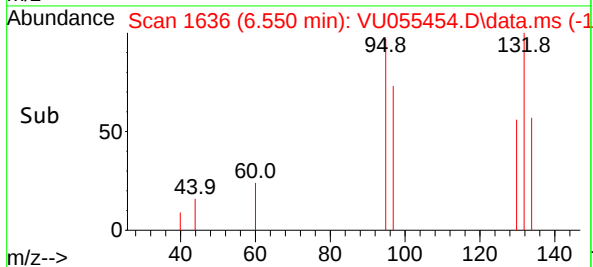
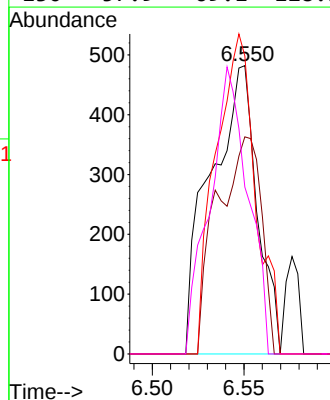
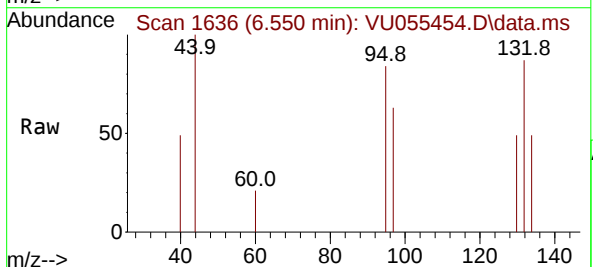
Ion Ratio Lower Upper

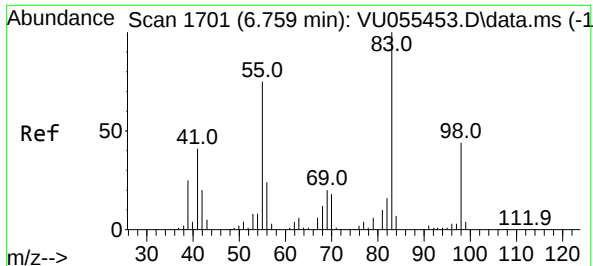
95 100

97 75.3 45.4 84.2

132 103.3 65.2 121.2

130 57.9 69.1 128.3#

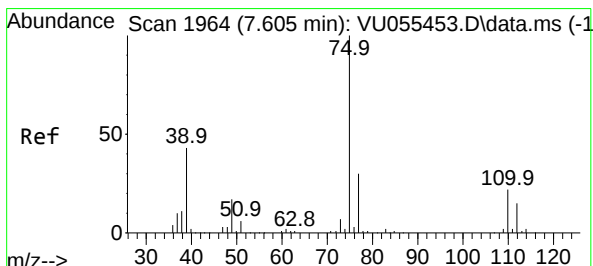
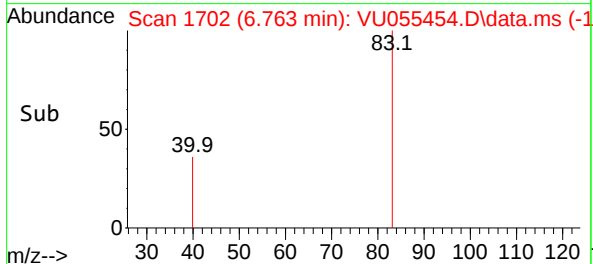
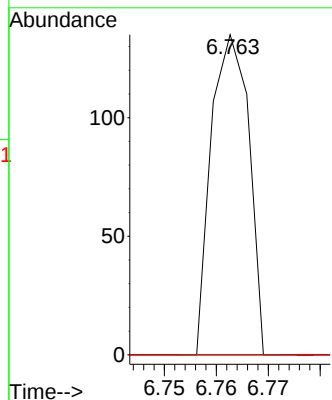
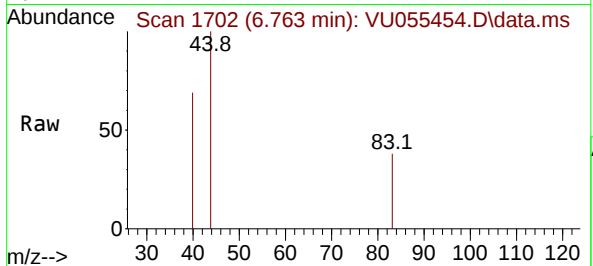




#35
Methylcyclohexane
Concen: 0.348 ug/L
RT: 6.763 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

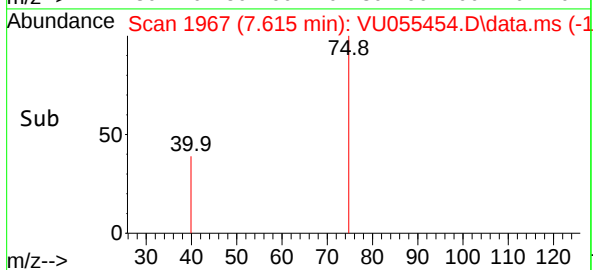
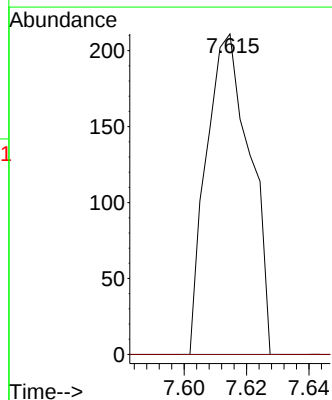
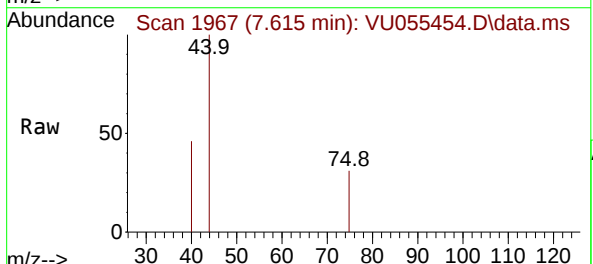
Instrument :
MSVOA_U
ClientSampleId :
VBLK043

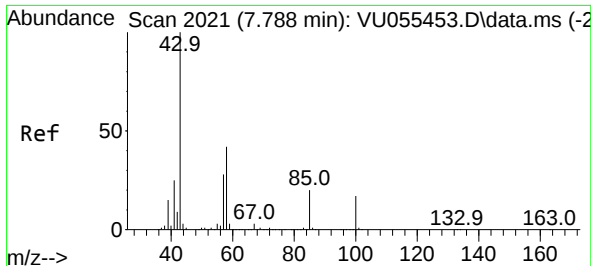
Tgt Ion: 83 Resp: 68
Ion Ratio Lower Upper
83 100
55 611.8 59.1 88.7#
98 0.0 36.3 54.5#



#39
cis-1,3-Dichloropropene
Concen: 1.225 ug/L
RT: 7.615 min Scan# 1967
Delta R.T. 0.010 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

Tgt Ion: 75 Resp: 205
Ion Ratio Lower Upper
75 100
77 0.0 21.6 40.2#





#40

4-Methyl-2-pentanone

Concen: 65.676 ug/L

RT: 7.808 min Scan# 2021

Delta R.T. 0.020 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VBLK043

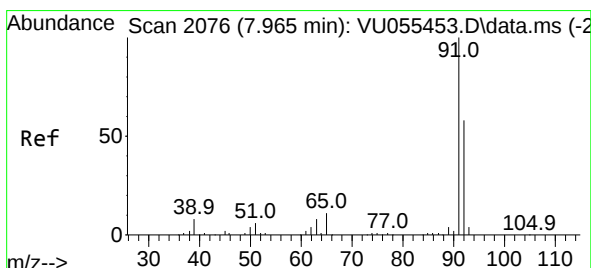
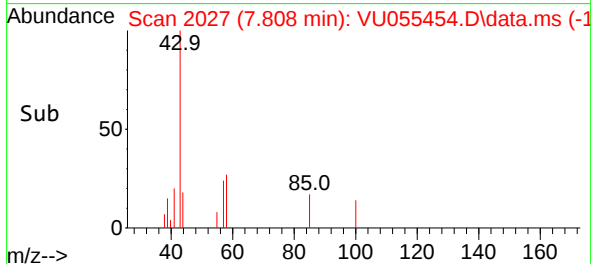
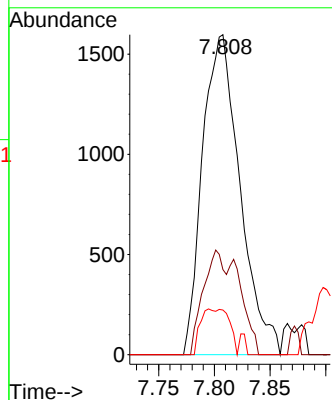
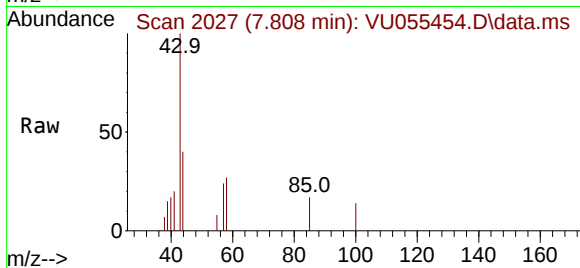
Tgt Ion: 43 Resp: 3736

Ion Ratio Lower Upper

43 100

58 12.1 34.2 51.4#

100 1.1 13.4 20.0#



#42

Toluene

Concen: 1.288 ug/L

RT: 7.972 min Scan# 2078

Delta R.T. 0.007 min

Lab File: VU055454.D

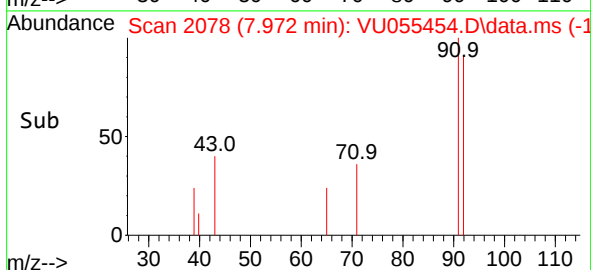
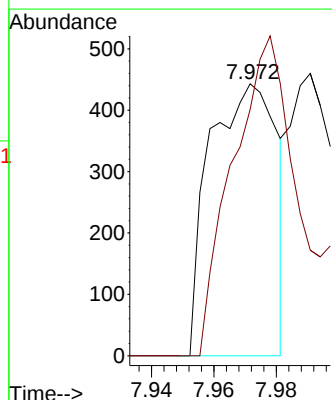
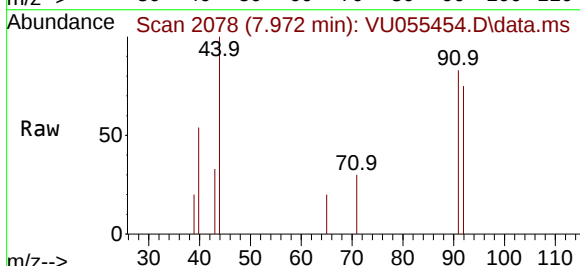
Acq: 22 Sep 2023 12:53

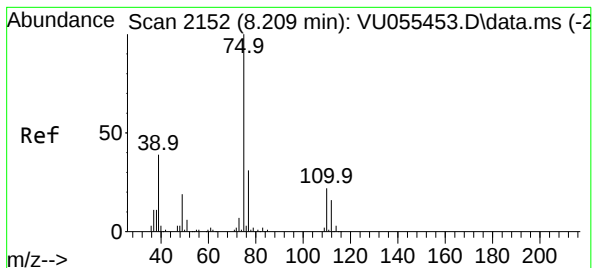
Tgt Ion: 91 Resp: 659

Ion Ratio Lower Upper

91 100

92 90.5 40.3 74.8#





#44

trans-1,3-Dichloropropene

Concen: 0.620 ug/L

RT: 8.213 min Scan# 2153

Delta R.T. 0.003 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

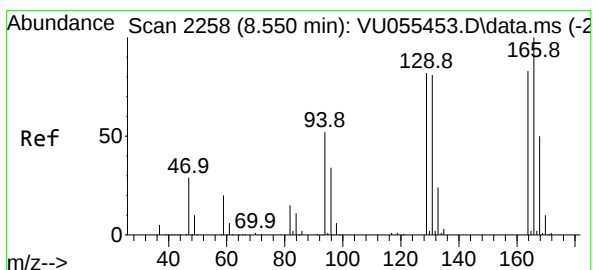
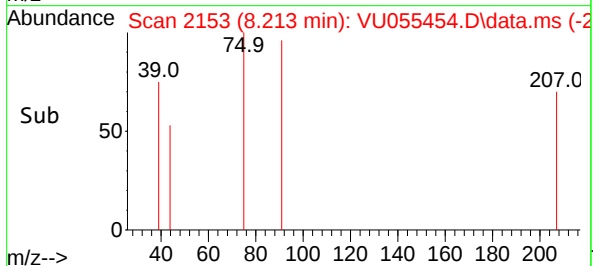
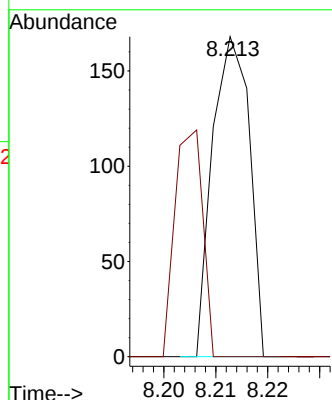
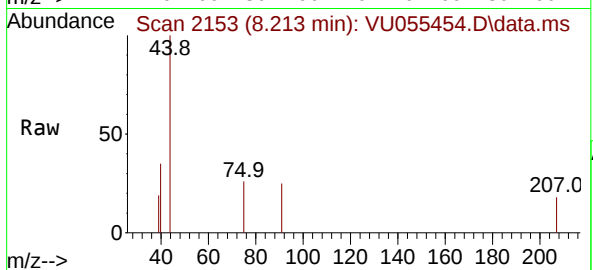
VBLK043

Tgt Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

77 0.0 21.8 40.4#



#47

Tetrachloroethene

Concen: 2.230 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Tgt Ion: 164 Resp: 217

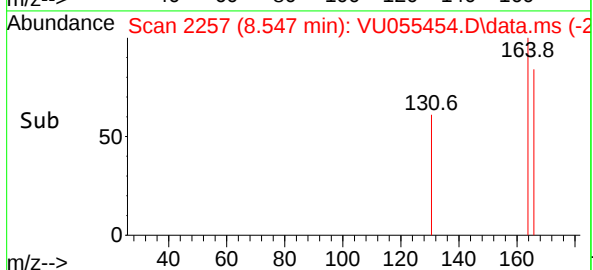
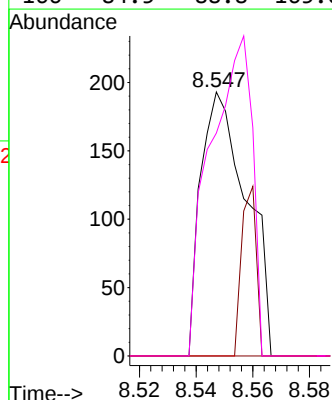
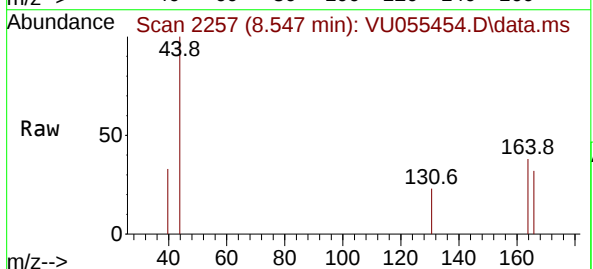
Ion Ratio Lower Upper

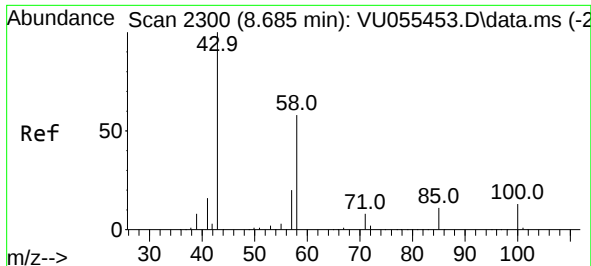
164 100

129 0.0 67.4 125.2#

131 0.0 66.4 123.2#

166 84.5 88.8 165.0#

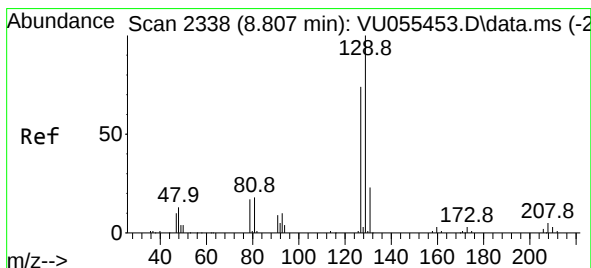
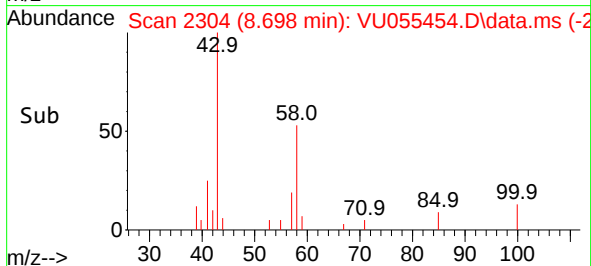
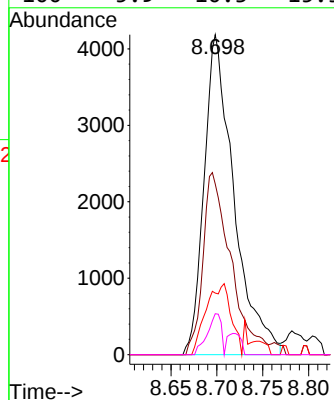
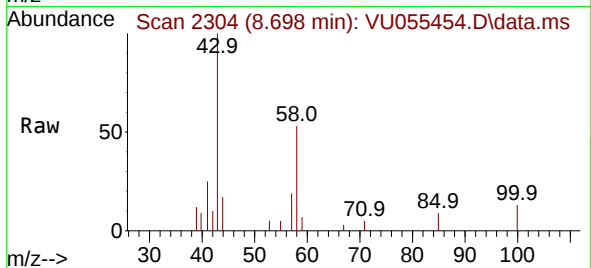




#48
2-Hexanone
Concen: 214.824 ug/L
RT: 8.698 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

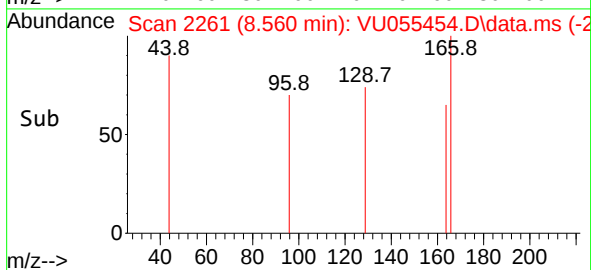
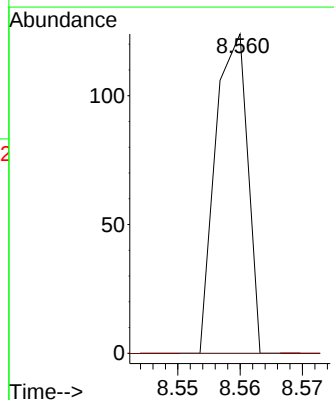
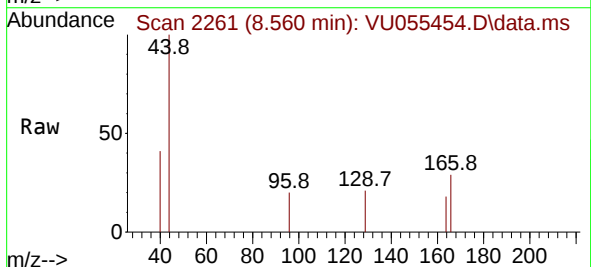
Instrument :
MSVOA_U
ClientSampleId :
VBLK043

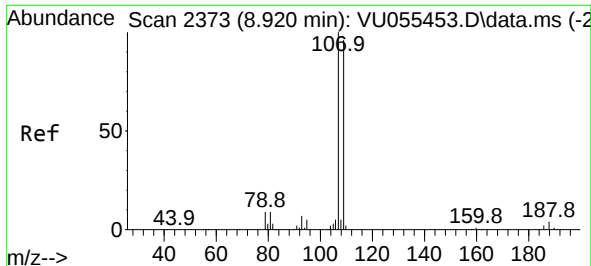
Tgt Ion:	43	Resp:	9471
Ion	Ratio	Lower	Upper
43	100		
58	52.9	48.5	72.7
57	0.0	17.0	25.4#
100	5.9	10.3	15.5#



#49
Dibromochloromethane
Concen: 0.477 ug/L
RT: 8.560 min Scan# 2261
Delta R.T. -0.247 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

Tgt Ion:	129	Resp:	44
Ion	Ratio	Lower	Upper
129	100		
127	0.0	56.8	105.6#





#50

1,2-Dibromoethane

Concen: 0.846 ug/L

RT: 8.927 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

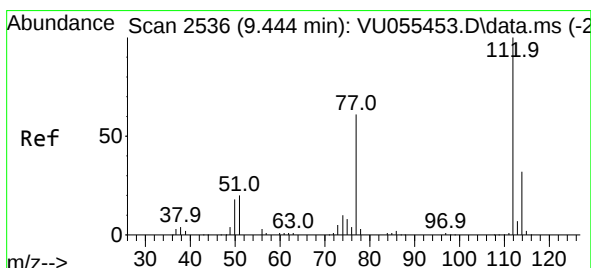
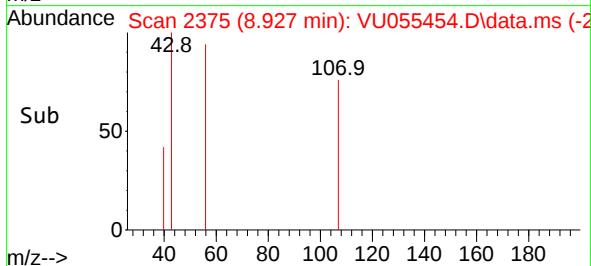
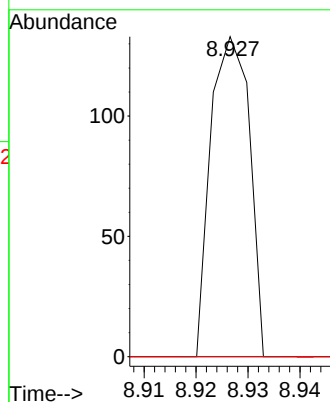
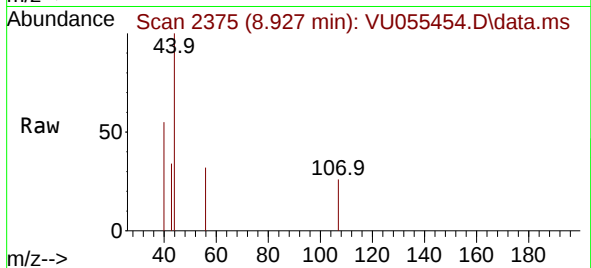
Instrument :

MSVOA_U

ClientSampleId :

VBLK043

Tgt Ion:107	Resp:	69
Ion	Ratio	Lower Upper
107	100	
109	0.0	66.1 122.8#
188	0.0	3.2 4.8#



#51

Chlorobenzene

Concen: 3.391 ug/L

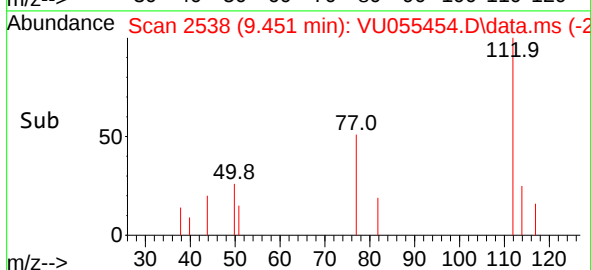
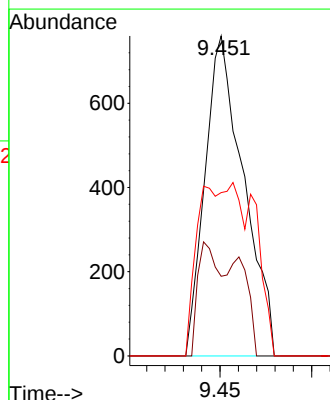
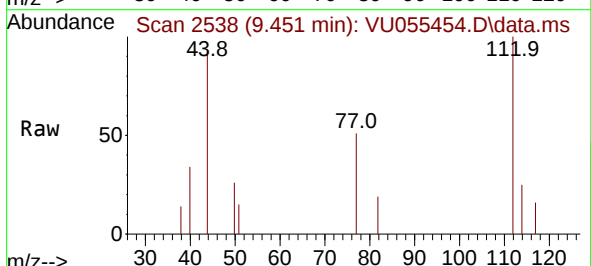
RT: 9.451 min Scan# 2538

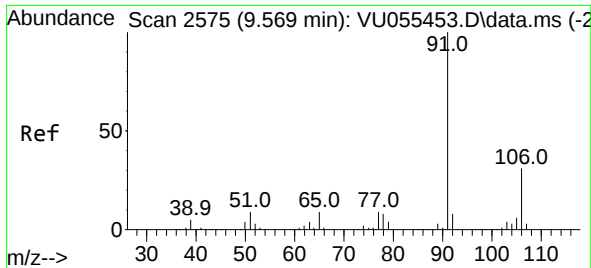
Delta R.T. 0.007 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Tgt Ion:112	Resp:	1111
Ion	Ratio	Lower Upper
112	100	
114	24.9	22.0 40.8
77	51.1	46.9 70.3

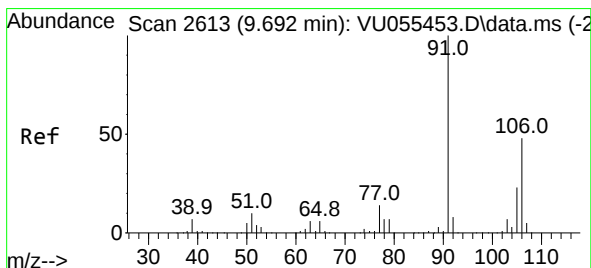
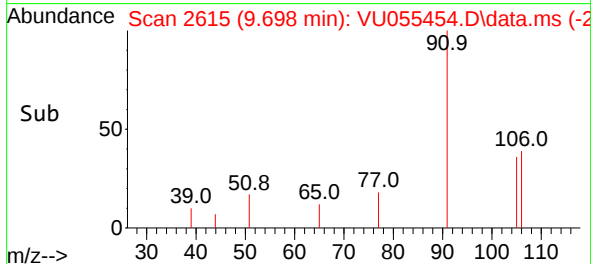
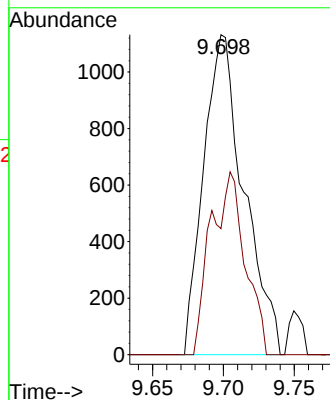
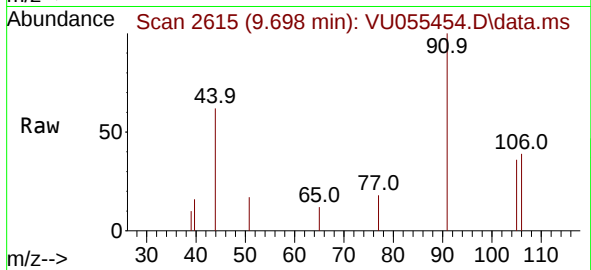




#52
Ethylbenzene
Concen: 4.093 ug/L
RT: 9.698 min Scan# 2615
Delta R.T. 0.129 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

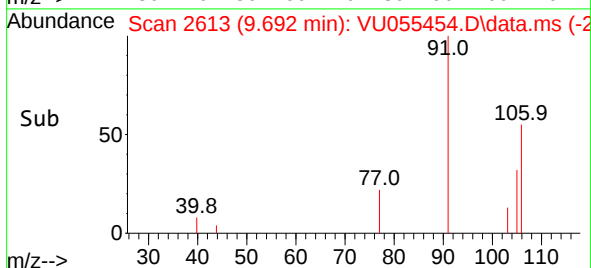
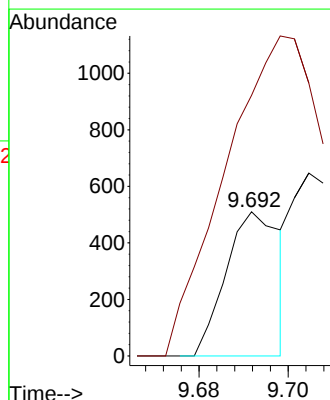
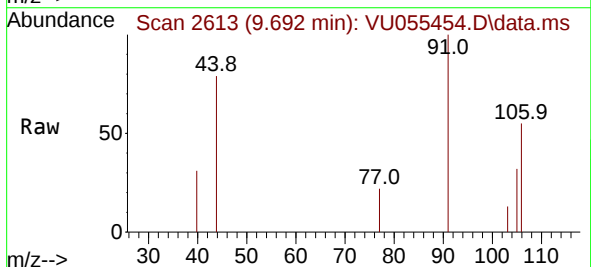
Instrument :
MSVOA_U
ClientSampleId :
VBLK043

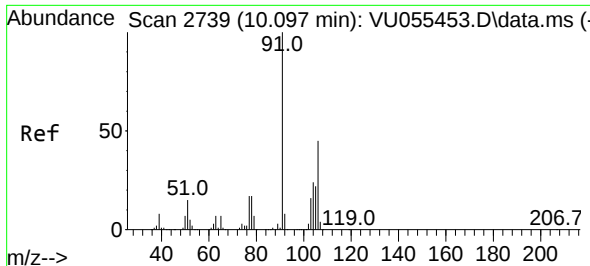
Tgt Ion: 91 Resp: 2244
Ion Ratio Lower Upper
91 100
106 39.4 22.4 41.6



#53
m,p-Xylene
Concen: 2.088 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

Tgt Ion: 106 Resp: 429
Ion Ratio Lower Upper
106 100
91 180.8 144.8 269.0

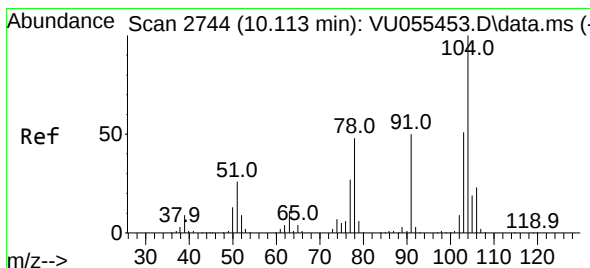
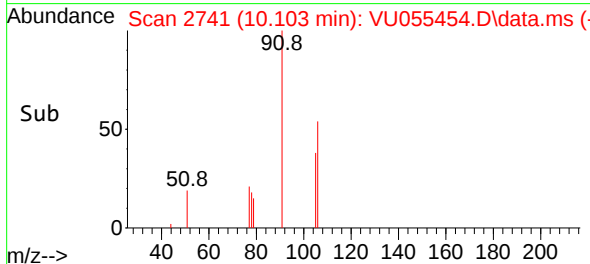
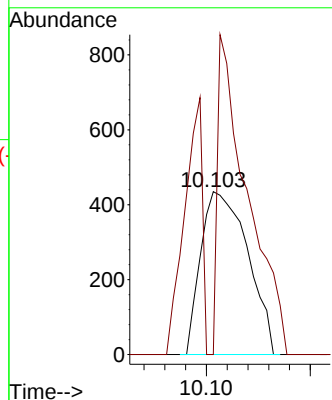
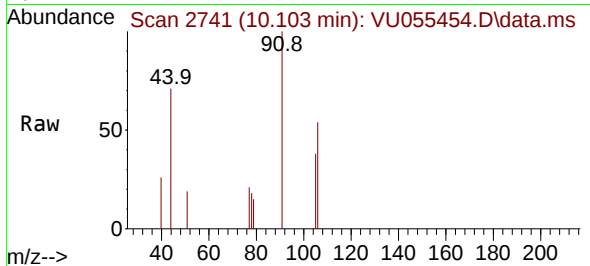




#54
o-Xylene
Concen: 3.414 ug/L
RT: 10.103 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

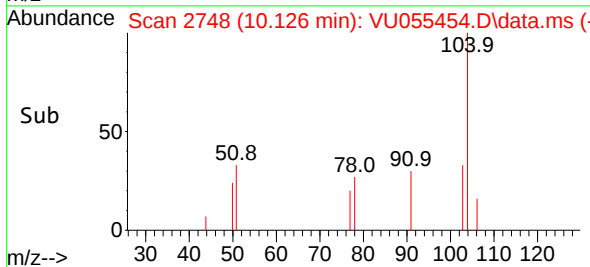
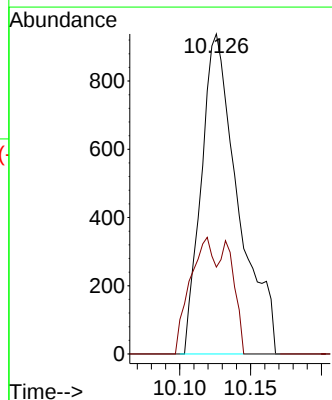
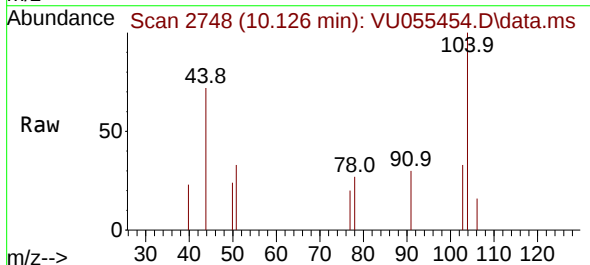
Instrument :
MSVOA_U
ClientSampleId :
VBLK043

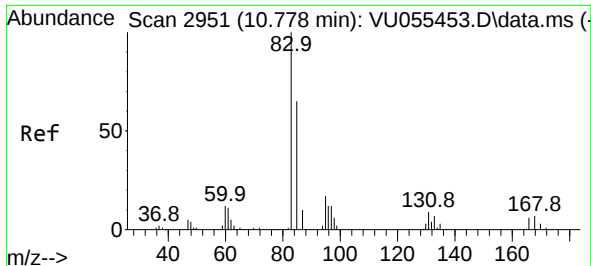
Tgt Ion:106 Resp: 682
Ion Ratio Lower Upper
106 100
91 0.0 157.6 292.8#



#55
Styrene
Concen: 5.238 ug/L
RT: 10.126 min Scan# 2748
Delta R.T. 0.013 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

Tgt Ion:104 Resp: 1692
Ion Ratio Lower Upper
104 100
78 27.2 31.2 58.0#





#57

1,1,2,2-Tetrachloroethane

Concen: 1.038 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VBLK043

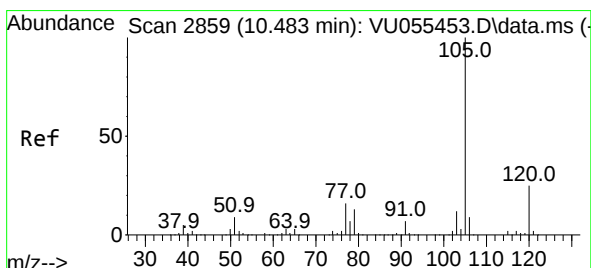
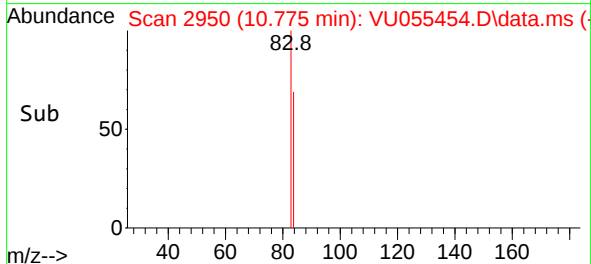
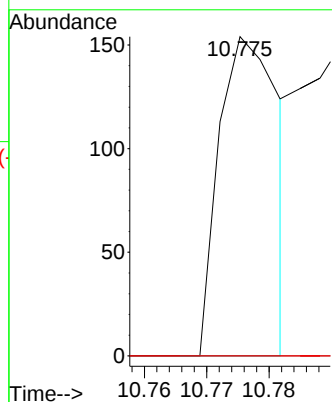
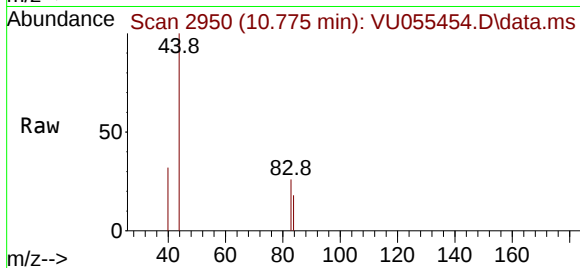
Tgt Ion: 83 Resp: 103

Ion Ratio Lower Upper

83 100

85 0.0 44.4 82.5#

131 0.0 7.4 11.2#



#60

Isopropylbenzene

Concen: 2.064 ug/L

RT: 10.486 min Scan# 2860

Delta R.T. 0.003 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

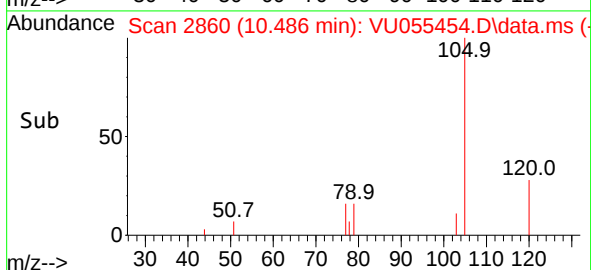
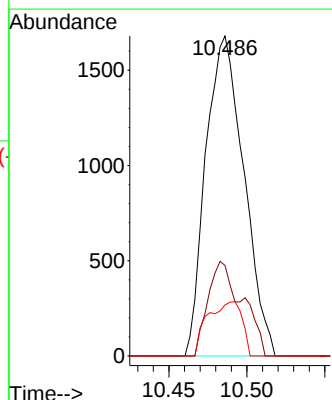
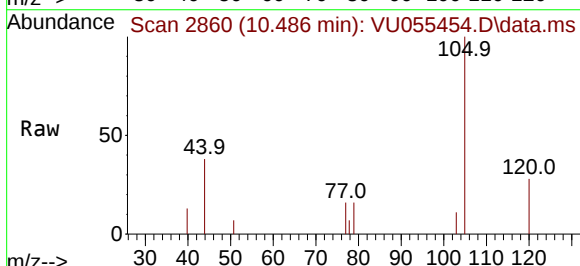
Tgt Ion: 105 Resp: 2852

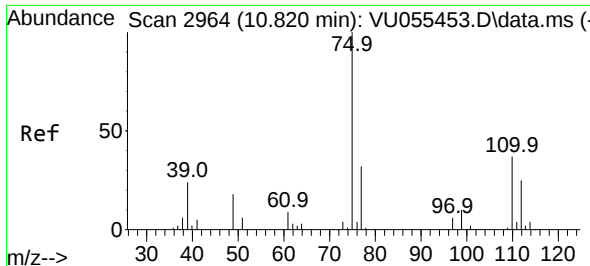
Ion Ratio Lower Upper

105 100

120 26.6 20.8 31.2

77 15.3 12.6 19.0

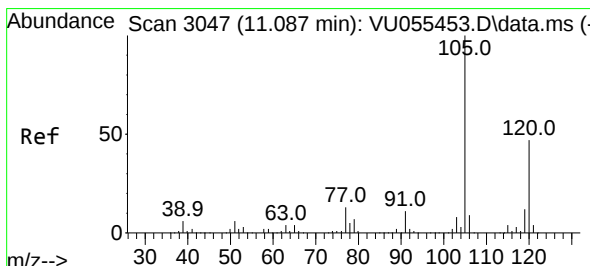
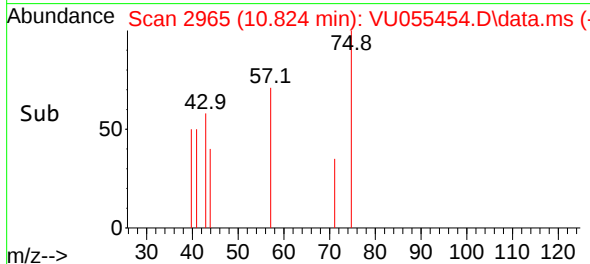
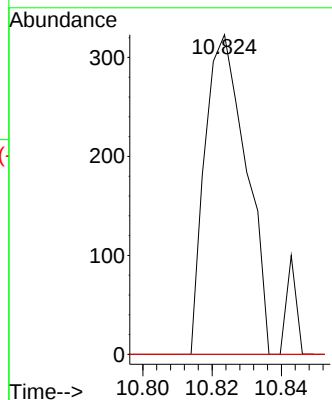
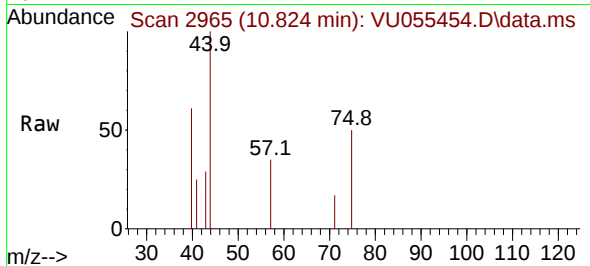




#61
 1,2,3-Trichloropropane
 Concen: 1.427 ug/L
 RT: 10.824 min Scan# 2964
 Delta R.T. 0.003 min
 Lab File: VU055454.D
 Acq: 22 Sep 2023 12:53

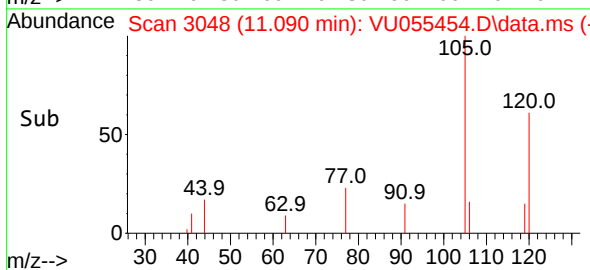
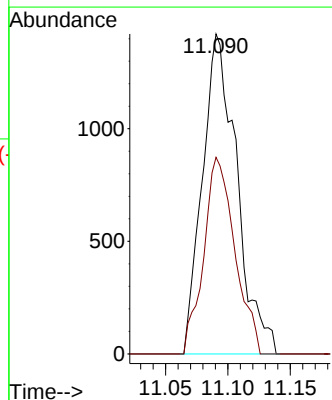
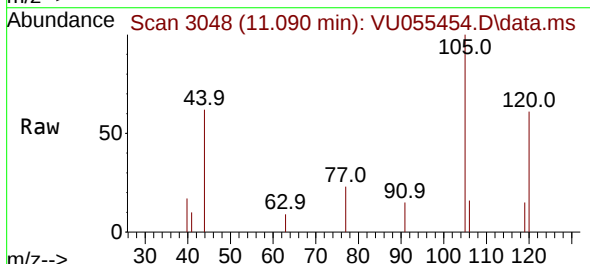
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK043

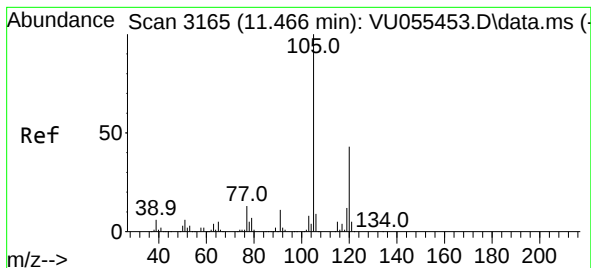
Tgt Ion: 75 Resp: 267
 Ion Ratio Lower Upper
 75 100
 110 0.0 30.6 45.8#
 77 0.0 26.7 40.1#



#62
 1,3,5-Trimethylbenzene
 Concen: 2.461 ug/L
 RT: 11.090 min Scan# 3048
 Delta R.T. 0.003 min
 Lab File: VU055454.D
 Acq: 22 Sep 2023 12:53

Tgt Ion: 105 Resp: 2719
 Ion Ratio Lower Upper
 105 100
 120 55.7 38.1 57.1





#63

1,2,4-Trimethylbenzene

Concen: 4.047 ug/L

RT: 11.473 min Scan# 3165

Delta R.T. 0.007 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

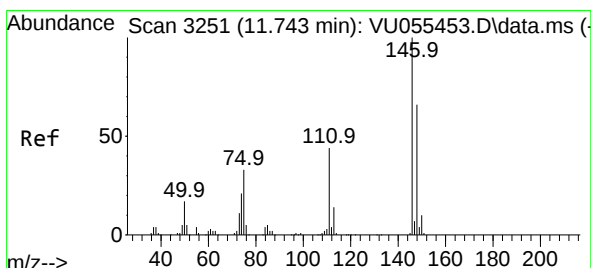
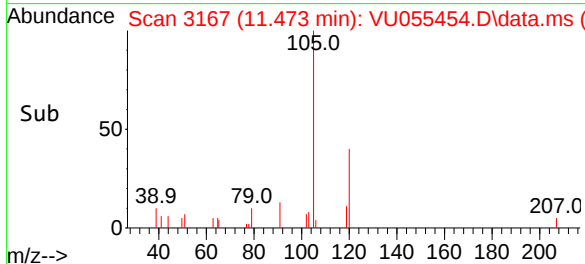
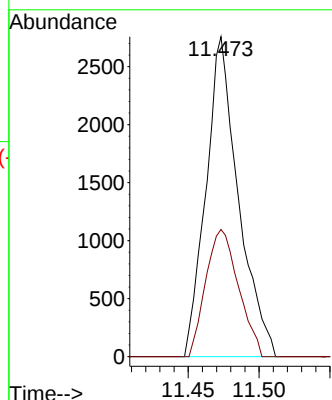
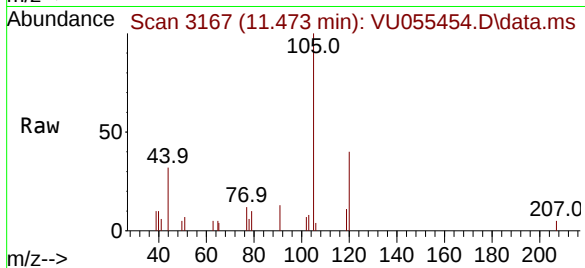
VBLK043

Tgt Ion:105 Resp: 4376

Ion Ratio Lower Upper

105 100

120 40.2 34.9 52.3



#64

1,3-Dichlorobenzene

Concen: 3.901 ug/L

RT: 11.753 min Scan# 3254

Delta R.T. 0.010 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

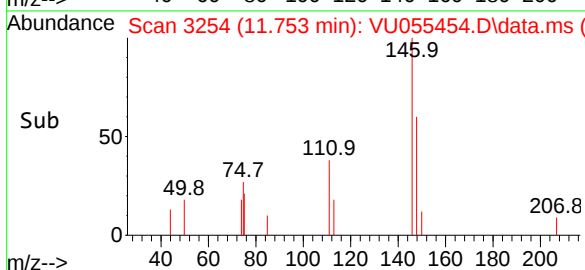
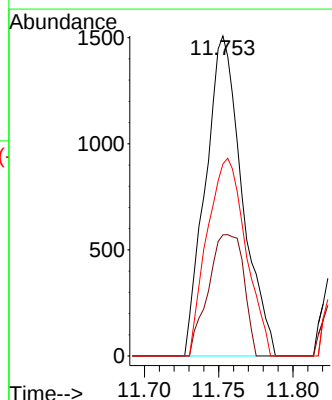
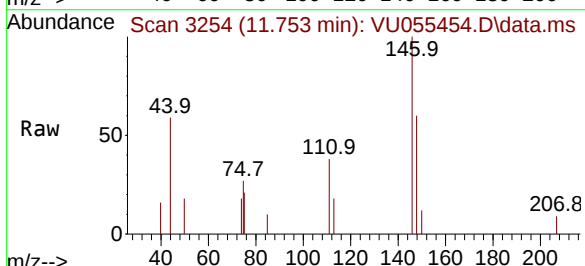
Tgt Ion:146 Resp: 2580

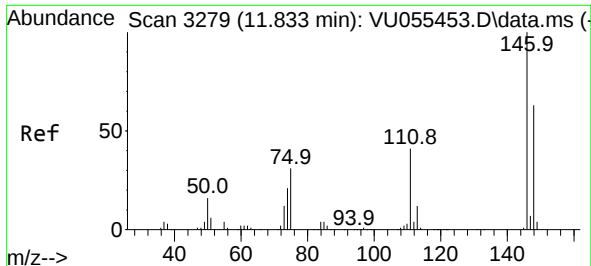
Ion Ratio Lower Upper

146 100

111 37.9 28.8 53.6

148 60.0 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 4.428 ug/L

RT: 11.843 min Scan# 31

Delta R.T. 0.010 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VBLK043

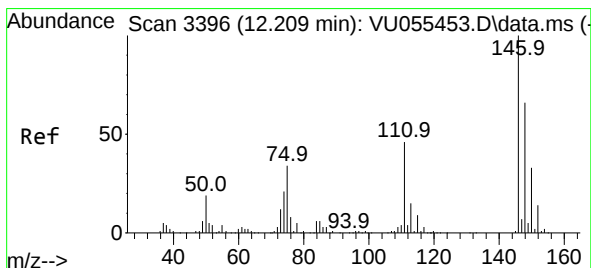
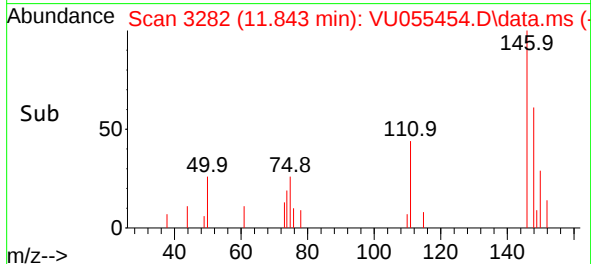
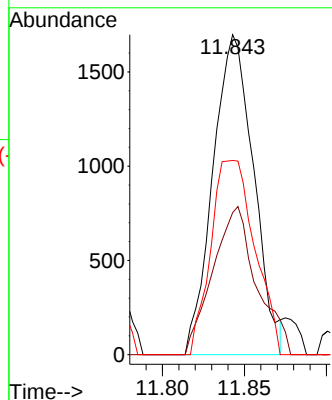
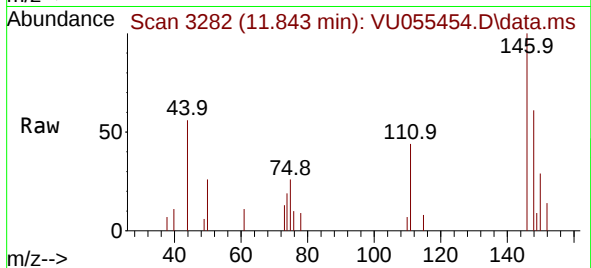
Tgt Ion:146 Resp: 2927

Ion Ratio Lower Upper

146 100

111 44.4 29.0 53.8

148 60.7 45.4 84.4



#67

1,2-Dichlorobenzene

Concen: 4.843 ug/L

RT: 12.216 min Scan# 3398

Delta R.T. 0.007 min

Lab File: VU055454.D

Acq: 22 Sep 2023 12:53

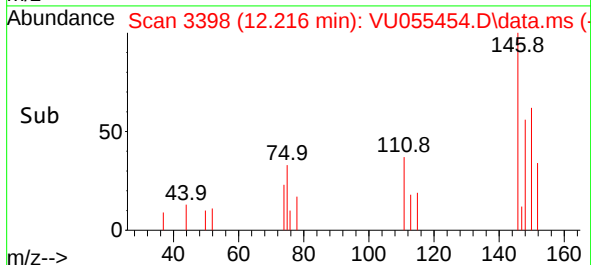
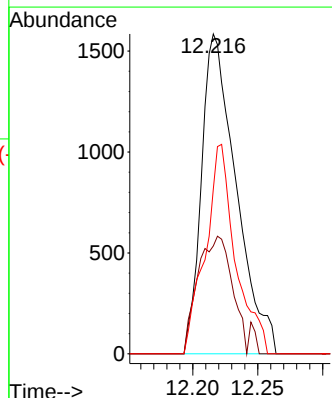
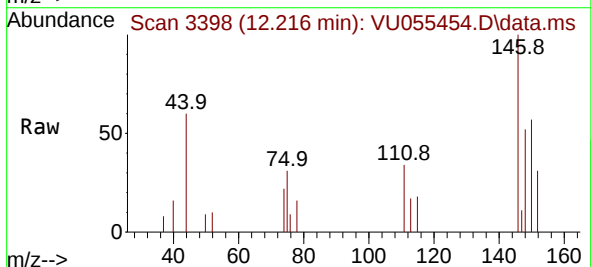
Tgt Ion:146 Resp: 2937

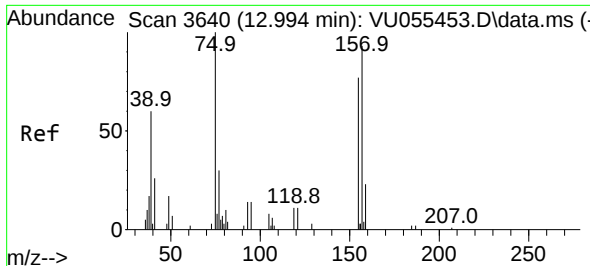
Ion Ratio Lower Upper

146 100

111 33.8 34.6 52.0#

148 51.5 51.8 77.8#

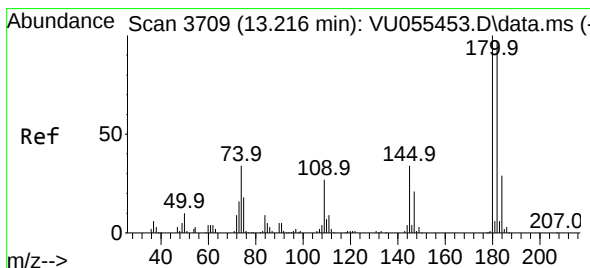
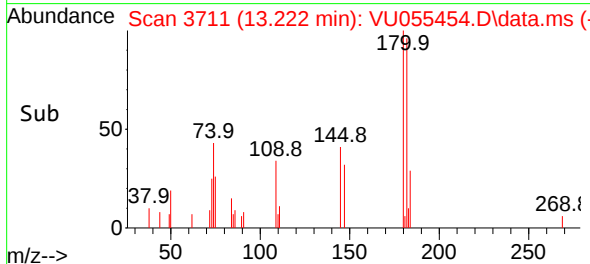
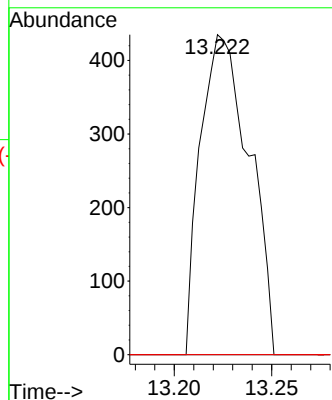
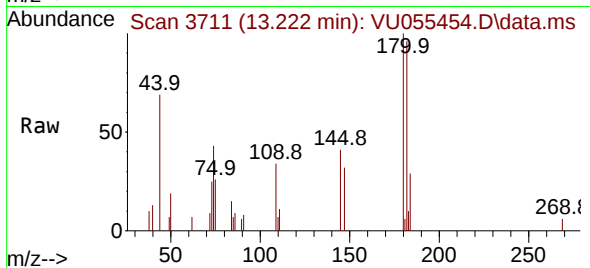




#68
1,2-Dibromo-3-chloropropane
Concen: 23.402 ug/L
RT: 13.222 min Scan# 31
Delta R.T. 0.229 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

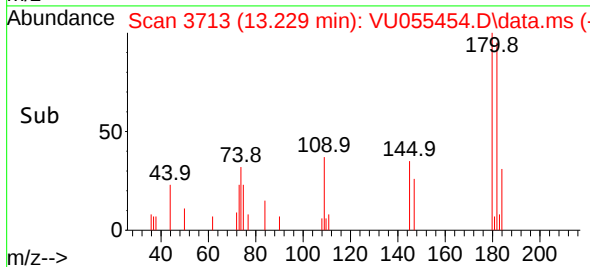
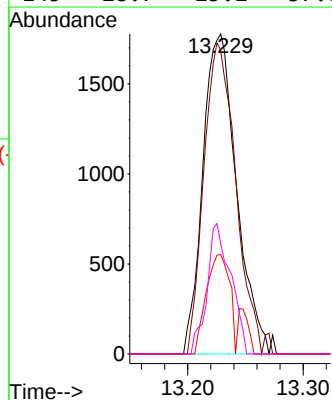
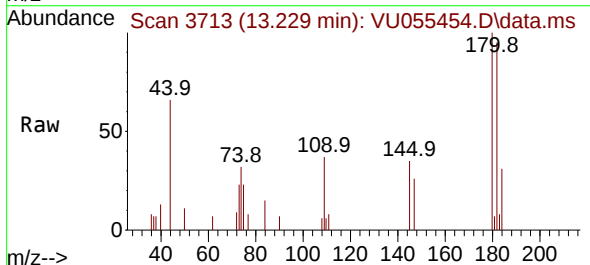
Instrument :
MSVOA_U
ClientSampleId :
VBLK043

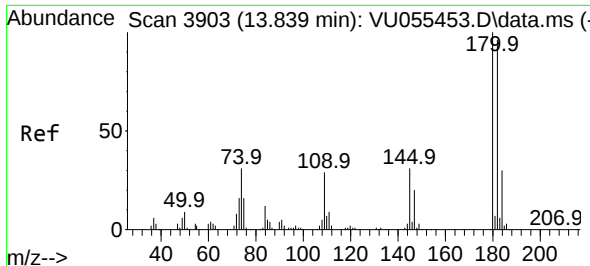
Tgt Ion: 75 Resp: 759
Ion Ratio Lower Upper
75 100
155 0.0 69.2 103.8#
157 0.0 81.9 122.9#



#69
1,3,5-Trichlorobenzene
Concen: 7.930 ug/L
RT: 13.229 min Scan# 3713
Delta R.T. 0.013 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

Tgt Ion:180 Resp: 3612
Ion Ratio Lower Upper
180 100
182 91.3 77.1 115.7
184 21.4 24.0 36.0#
145 28.7 25.2 37.8

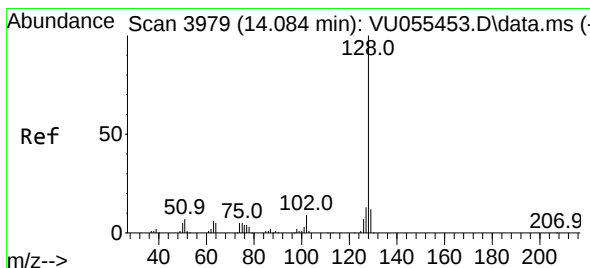
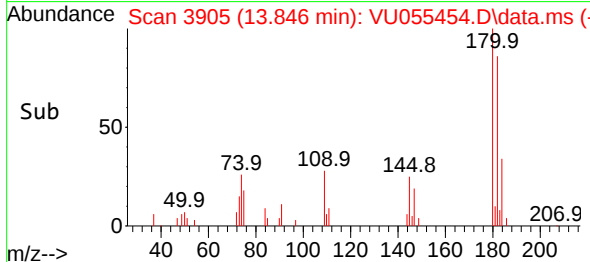
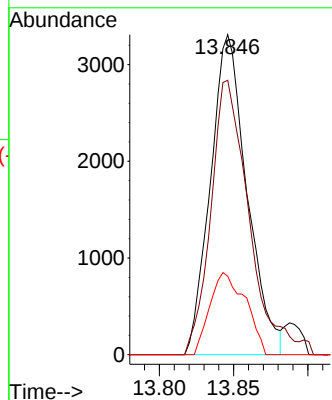
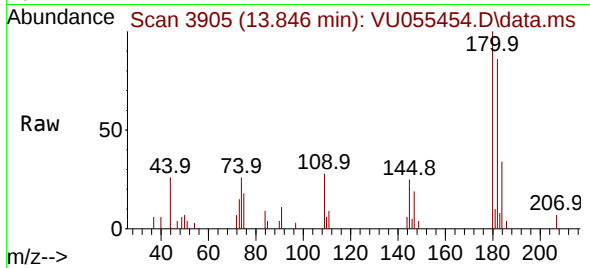




#70
1,2,4-trichlorobenzene
Concen: 16.291 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.007 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

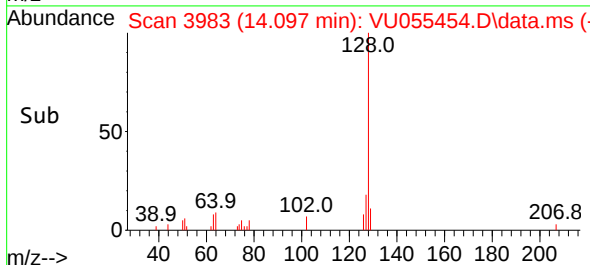
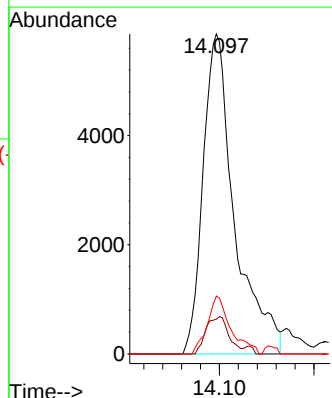
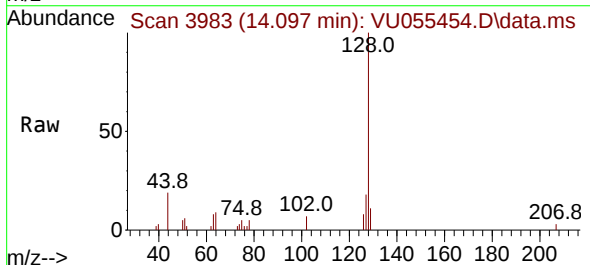
Instrument :
MSVOA_U
ClientSampleId :
VBLK043

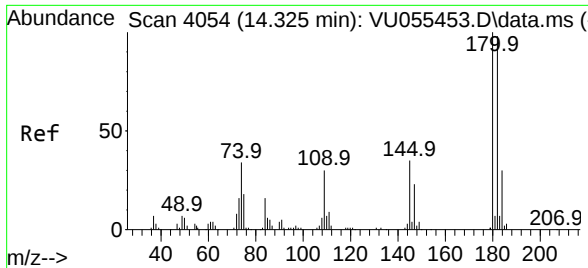
Tgt Ion:180 Resp: 5657
Ion Ratio Lower Upper
180 100
182 89.9 76.4 114.6
145 25.1 25.4 38.0#



#71
Naphthalene
Concen: 26.991 ug/L
RT: 14.097 min Scan# 3983
Delta R.T. 0.013 min
Lab File: VU055454.D
Acq: 22 Sep 2023 12:53

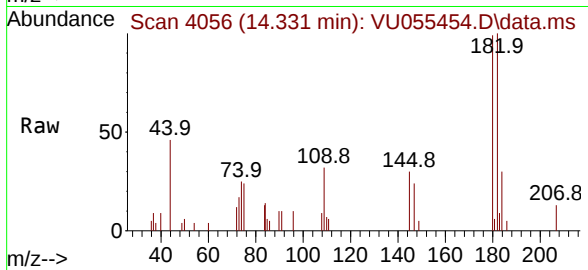
Tgt Ion:128 Resp: 13569
Ion Ratio Lower Upper
128 100
129 8.4 8.5 12.7#
127 13.4 10.2 15.4





#72
 1,2,3-Trichlorobenzene
 Concen: 17.679 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. 0.007 min
 Lab File: VU055454.D
 Acq: 22 Sep 2023 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK043



Tgt Ion:	180	Resp:	5342
Ion Ratio	Lower	Upper	
180	100		
182	102.3	76.2	114.4
145	29.9	26.0	39.0

