

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091923\
 Data File : U055405.D
 Acq On : 19 Sep 2023 21:14
 Operator : MD/SY
 Sample : VIBLK137
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK137

Quant Time: Sep 20 06:09:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.251	114	505	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.421	117	2631	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.820	152	4238	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.727	65	68	1.332	ug/L	0.13
Spiked Amount	5.000	Range	40 - 130	Recovery	=	26.600%#
7) Chloroethane-d5	1.911	69	54	1.201	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	24.000%#
11) 1,1-Dichloroethene-d2	2.563	65	41	1.952	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	39.000%#
20) 2-Butanone-d5	4.679	46	158	17.139	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	34.280%#
24) Chloroform-d	5.065	84	271	2.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	58.800%#
26) 1,2-Dichloroethane-d4	5.701	65	240	5.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.000%
32) Benzene-d6	5.721	84	461	0.501	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	10.000%#
36) 1,2-Dichloropropane-d6	6.685	67	73	0.265	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	5.400%#
41) Toluene-d8	7.901	98	1289	1.537	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	30.800%#
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	43	1.465	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	2.940%#
56) 1,1,2,2-Tetrachloroeth...	10.759	84	252	1.223	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	24.400%#
66) 1,2-Dichlorobenzene-d4	12.203	152	2733	3.195	ug/L	0.01
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.000%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	521	12.046	ug/L	# 78
5) Vinyl chloride	1.599	62	386	8.272	ug/L	# 71
6) Bromomethane	1.849	94	21	0.709	ug/L	99
8) Chloroethane	2.065	64	42	1.379	ug/L	# 41
12) 1,1-Dichloroethene	2.583	96	124	3.512	ug/L	# 32
13) Acetone	2.644	43	558	106.182	ug/L	66
14) Carbon disulfide	2.785	76	340	3.203	ug/L	# 74
15) Methyl Acetate	2.898	43	24	2.003	ug/L	# 47
16) Methylene chloride	3.046	84	963	22.765	ug/L	92
17) Methyl tert-butyl Ether	3.203	73	20	0.261	ug/L	# 56
21) 2-Butanone	4.714	43	68	8.823	ug/L	# 44
22) cis-1,2-Dichloroethene	4.669	96	5080	123.121	ug/L	95
25) Chloroform	5.084	83	136	1.952	ug/L	89
34) Trichloroethene	6.544	95	5132	23.959	ug/L	93
40) 4-Methyl-2-pentanone	7.795	43	202	2.249	ug/L	# 89
42) Toluene	7.984	91	211	0.261	ug/L	# 22
48) 2-Hexanone	8.695	43	7247	104.088	ug/L	# 87
51) Chlorobenzene	9.454	112	125	0.242	ug/L	# 75
57) 1,1,2,2-Tetrachloroethane	10.746	83	27	0.172	ug/L	# 26

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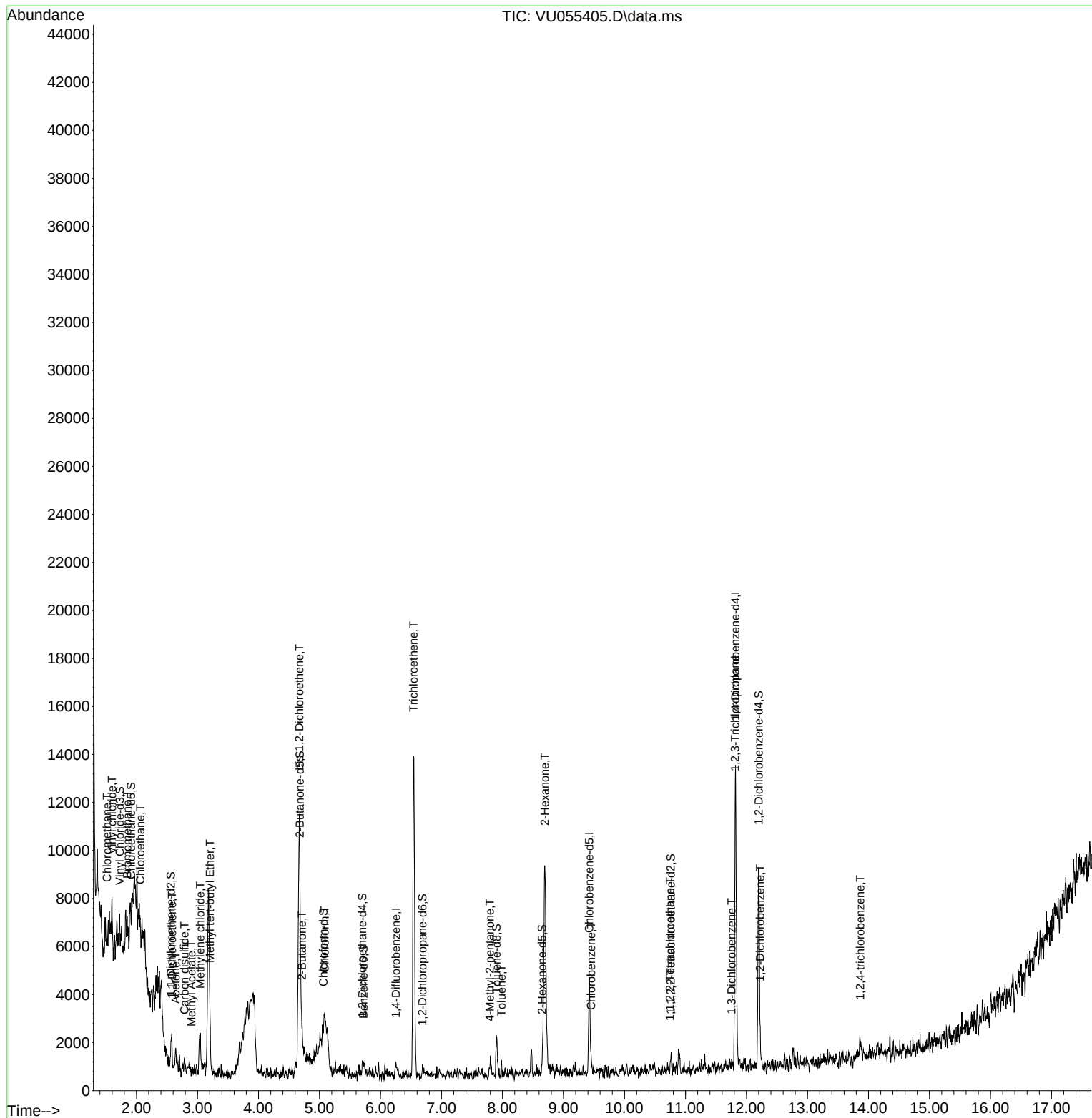
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.814	75	558	1.687	ug/L #	62
64) 1,3-Dichlorobenzene	11.756	146	279	0.239	ug/L #	25
67) 1,2-Dichlorobenzene	12.225	146	250	0.233	ug/L #	24
70) 1,2,4-trichlorobenzene	13.865	180	388	0.632	ug/L #	78

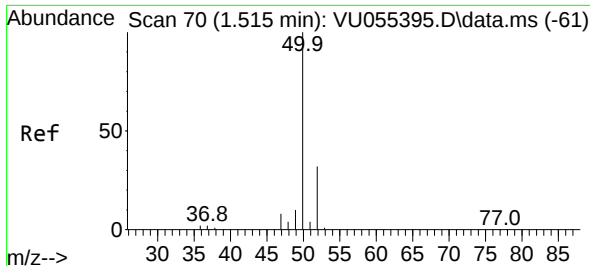
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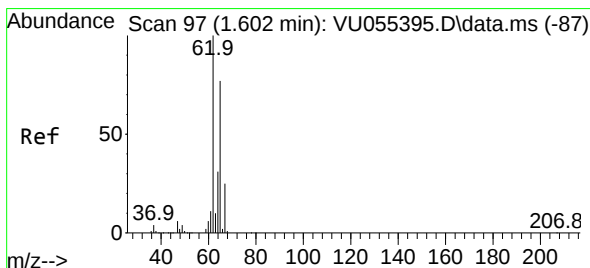
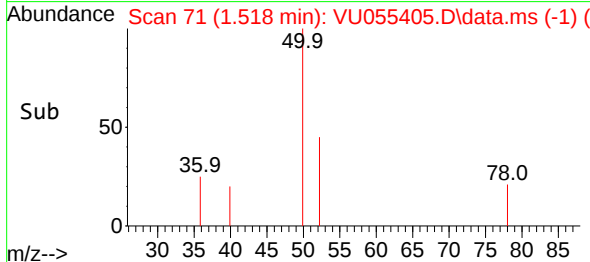
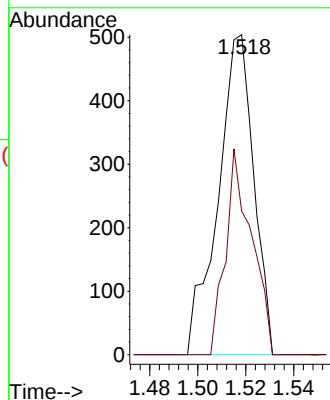
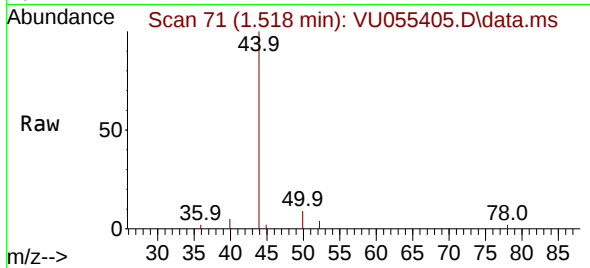




#3
Chloromethane
Concen: 12.046 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

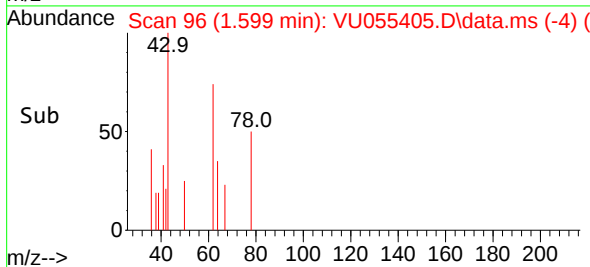
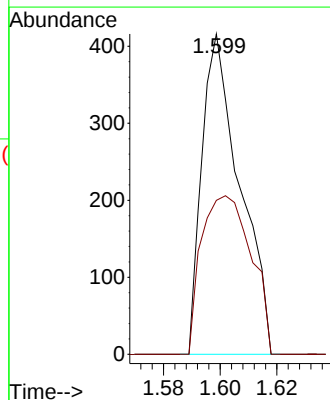
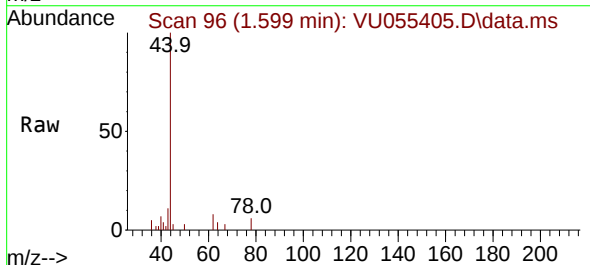
Instrument :
MSVOA_U
ClientSampleId :
VIBLK137

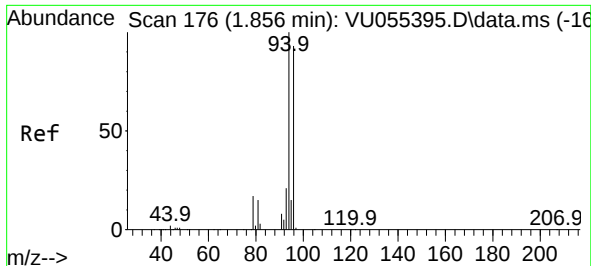
Tgt Ion: 50 Resp: 521
Ion Ratio Lower Upper
50 100
52 44.8 22.9 42.5#



#5
Vinyl chloride
Concen: 8.272 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.004 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

Tgt Ion: 62 Resp: 386
Ion Ratio Lower Upper
62 100
64 48.1 22.3 41.5#

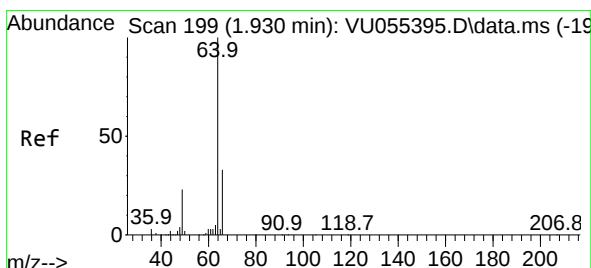
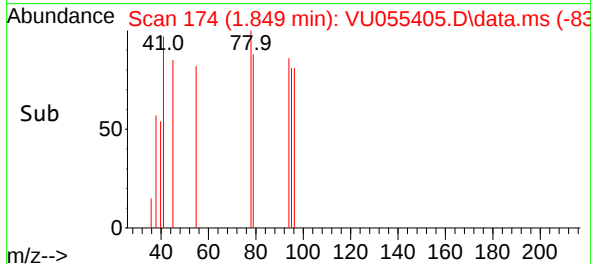
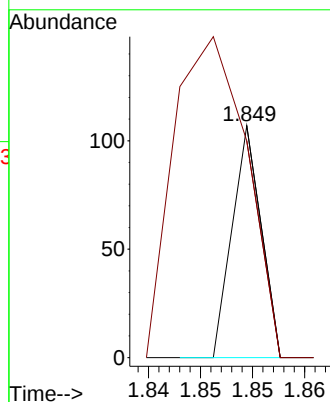
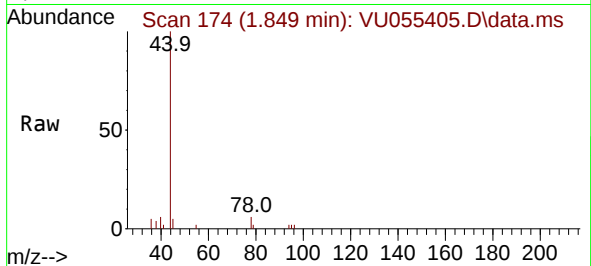




#6
Bromomethane
Concen: 0.709 ug/L
RT: 1.849 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

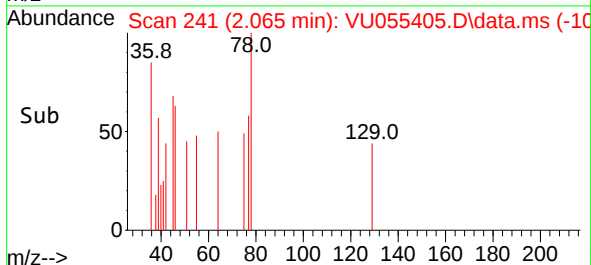
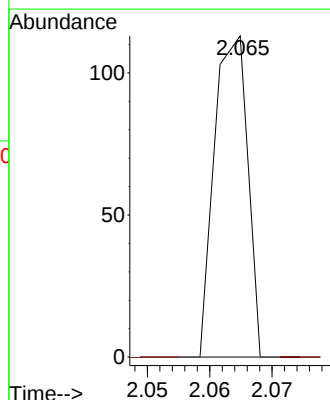
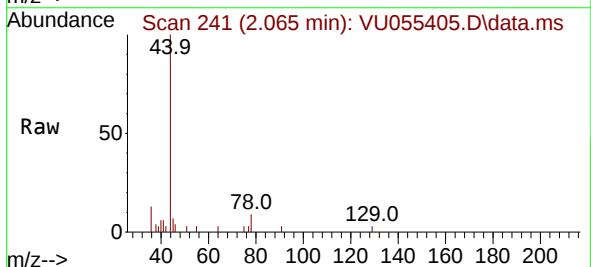
Instrument :
MSVOA_U
ClientSampleId :
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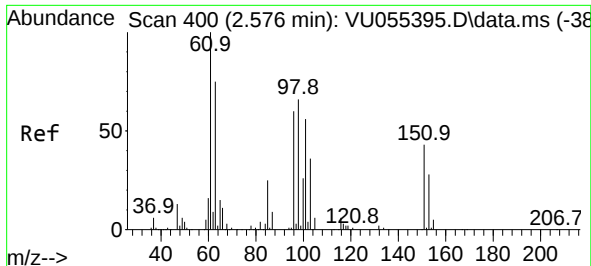
Tgt Ion: 94 Resp: 21
Ion Ratio Lower Upper
94 100
96 93.5 66.4 123.2



#8
Chloroethane
Concen: 1.379 ug/L
RT: 2.065 min Scan# 241
Delta R.T. 0.135 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

Tgt Ion: 64 Resp: 42
Ion Ratio Lower Upper
64 100
66 0.0 23.7 44.1#

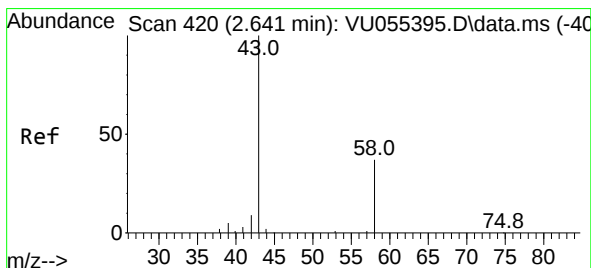
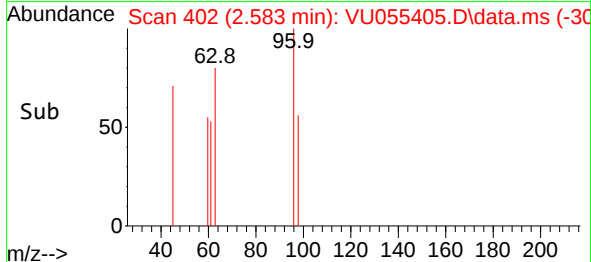
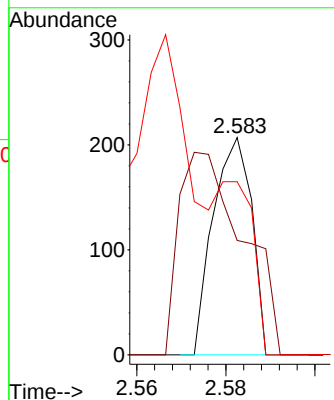
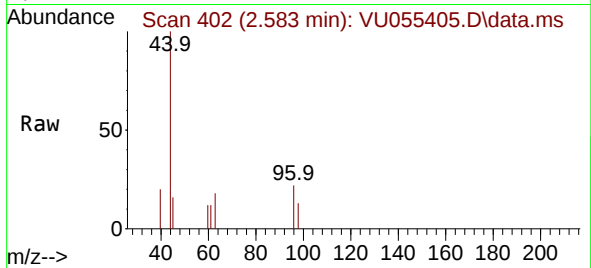




#12
1,1-Dichloroethene
Concen: 3.512 ug/L
RT: 2.583 min Scan# 400
Delta R.T. 0.006 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

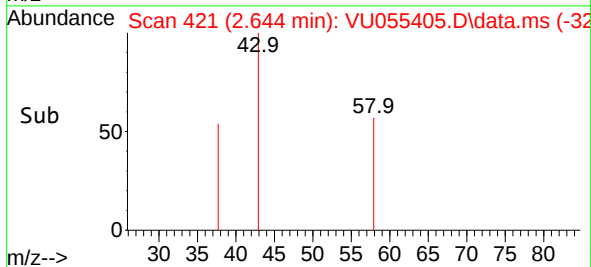
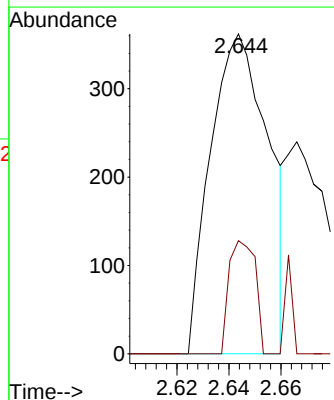
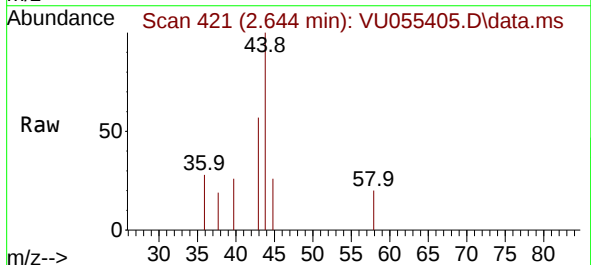
Instrument :
MSVOA_U
ClientSampleId :
VIBLK137

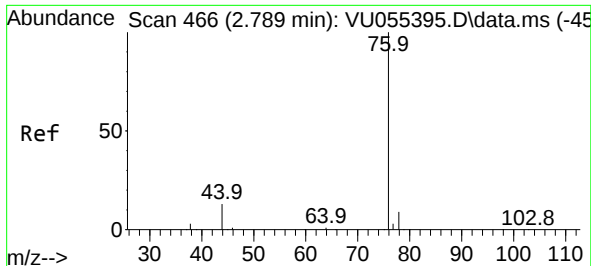
Tgt Ion: 96 Resp: 124
Ion Ratio Lower Upper
96 100
61 52.7 114.5 212.7#
63 79.7 98.3 182.5#



#13
Acetone
Concen: 106.182 ug/L
RT: 2.644 min Scan# 421
Delta R.T. 0.003 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

Tgt Ion: 43 Resp: 558
Ion Ratio Lower Upper
43 100
58 16.1 0.0 72.2

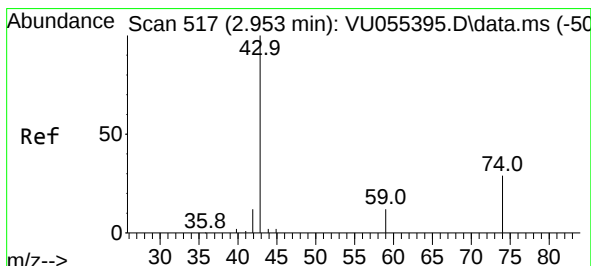
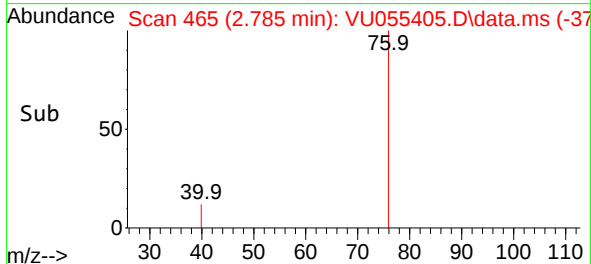
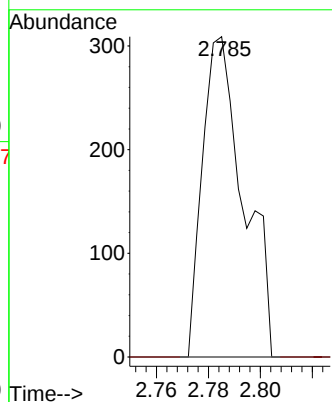
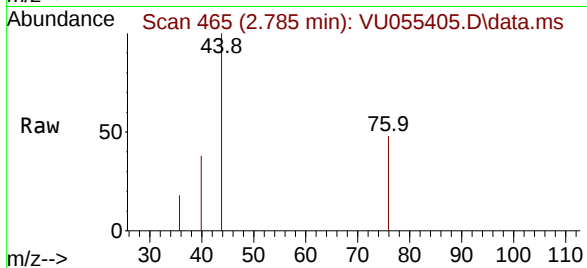




#14
Carbon disulfide
Concen: 3.203 ug/L
RT: 2.785 min Scan# 41
Delta R.T. -0.004 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

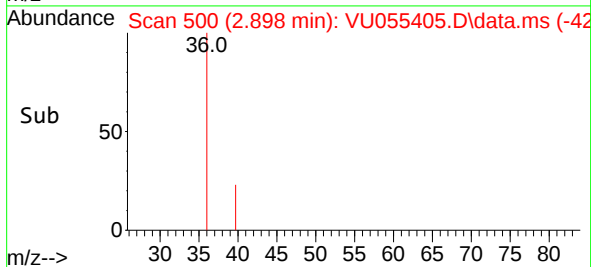
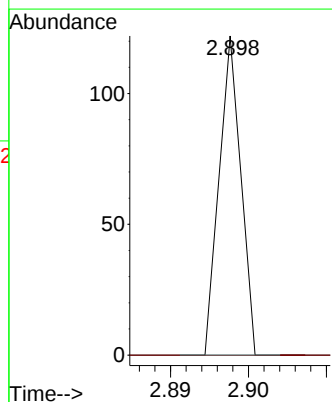
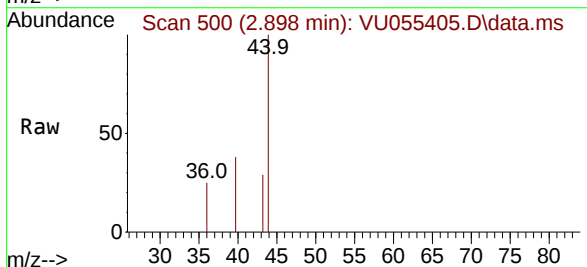
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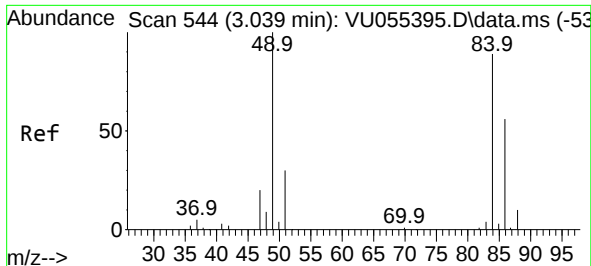
Tgt Ion: 76 Resp: 340
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#15
Methyl Acetate
Concen: 2.003 ug/L
RT: 2.898 min Scan# 500
Delta R.T. -0.055 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
74 0.0 22.3 33.5#

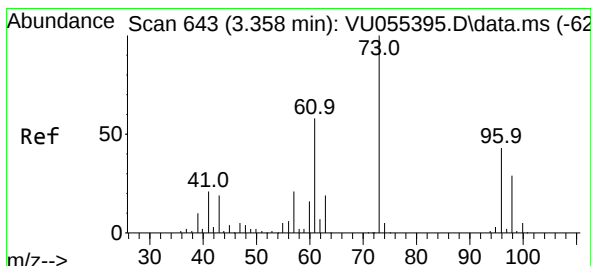
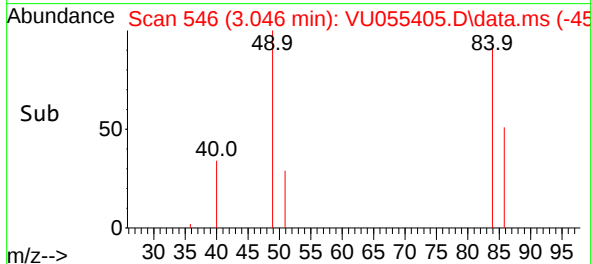
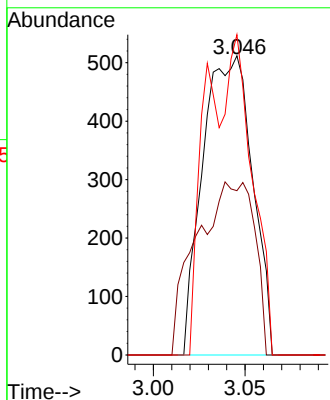
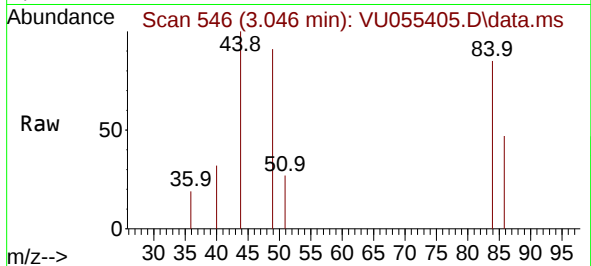




#16
Methylene chloride
Concen: 22.765 ug/L
RT: 3.046 min Scan# 54
Delta R.T. 0.006 min
Lab File: VU055405.D
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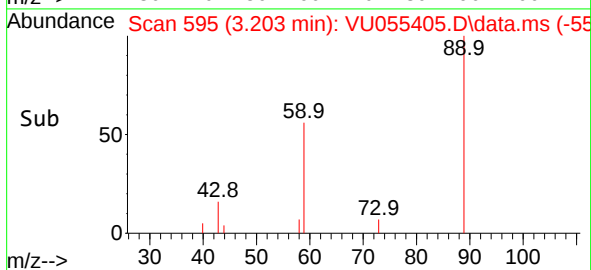
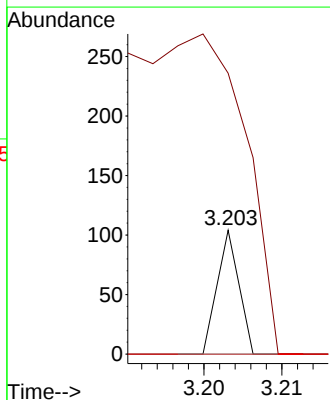
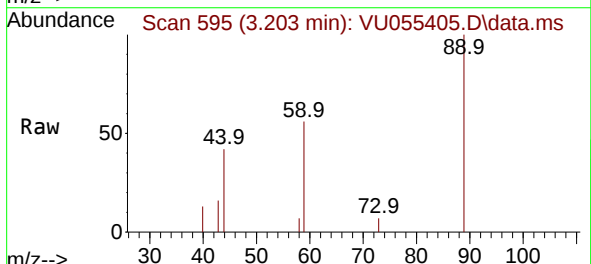
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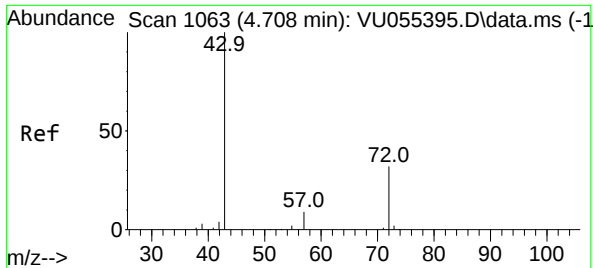
Tgt Ion: 84 Resp: 963
Ion Ratio Lower Upper
84 100
86 54.9 44.9 83.3
49 107.0 78.8 146.3



#17
Methyl tert-butyl Ether
Concen: 0.261 ug/L
RT: 3.203 min Scan# 595
Delta R.T. -0.155 min
Lab File: VU055405.D
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Tgt Ion: 73 Resp: 20
Ion Ratio Lower Upper
73 100
43 0.0 14.9 22.3#
57 0.0 17.3 25.9#





#21

2-Butanone

Concen: 8.823 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VU055405.D

Acq: 19 Sep 2023 21:14

Instrument :

MSVOA_U

ClientSampleId :

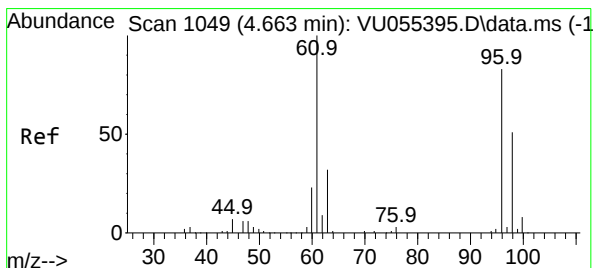
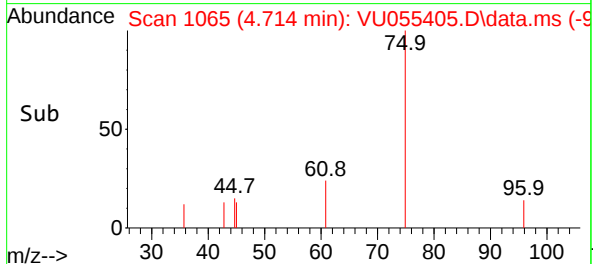
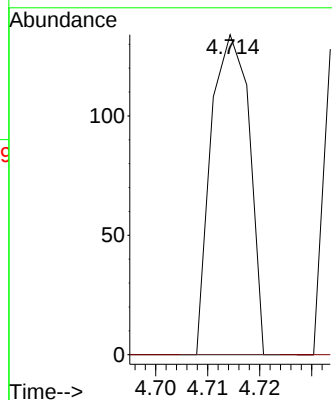
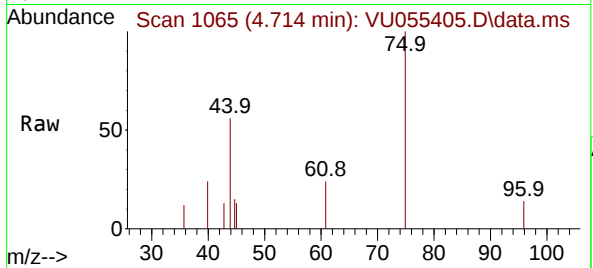
VIBLK137

Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

72 0.0 15.1 45.3#



#22

cis-1,2-Dichloroethene

Concen: 123.121 ug/L

RT: 4.669 min Scan# 1051

Delta R.T. 0.006 min

Lab File: VU055405.D

Acq: 19 Sep 2023 21:14

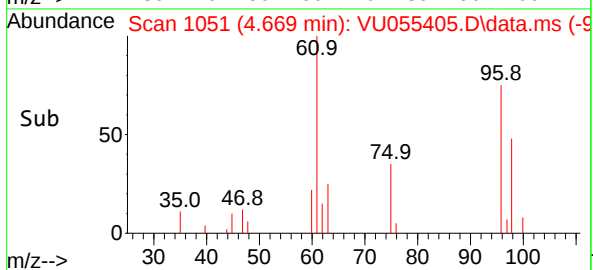
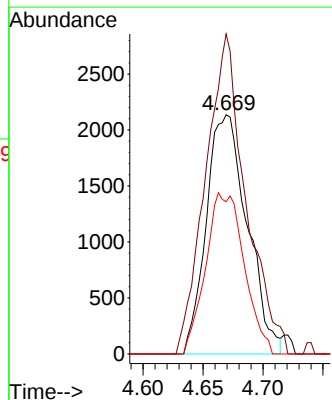
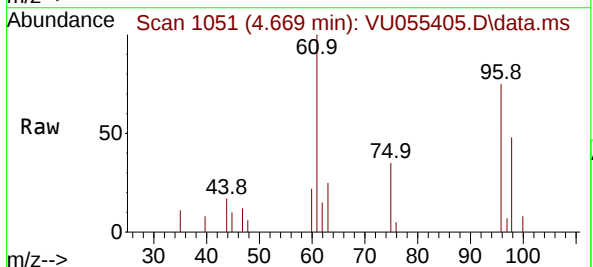
Tgt Ion: 96 Resp: 5080

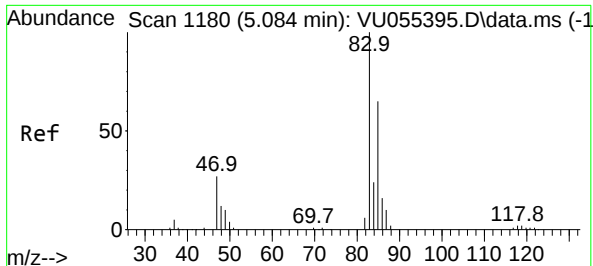
Ion Ratio Lower Upper

96 100

61 133.8 87.8 163.2

98 63.7 44.4 82.4





#25

Chloroform

Concen: 1.952 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055405.D

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ClientSampleId :

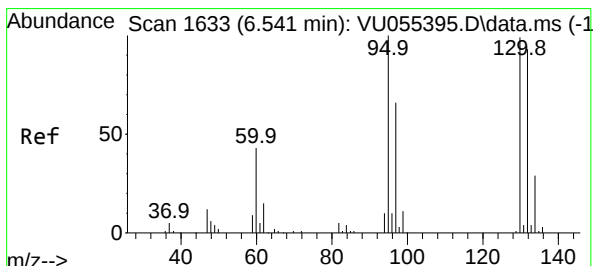
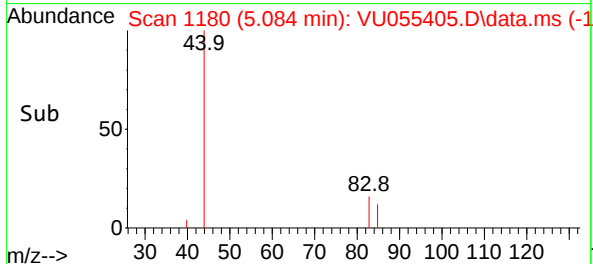
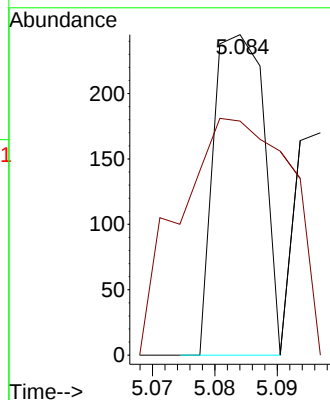
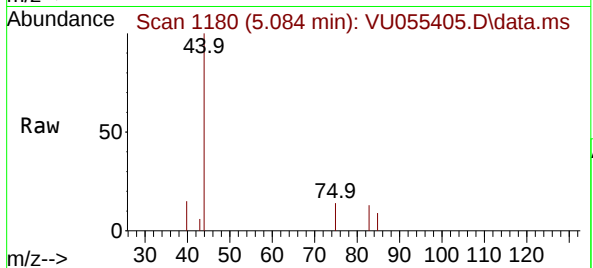
VIBLK137

Tgt Ion: 83 Resp: 136

Ion Ratio Lower Upper

83 100

85 73.1 44.9 83.5



#34

Trichloroethene

Concen: 23.959 ug/L

RT: 6.544 min Scan# 1634

Delta R.T. 0.003 min

Lab File: VU055405.D

Acq: 19 Sep 2023 21:14

Tgt Ion: 95 Resp: 5132

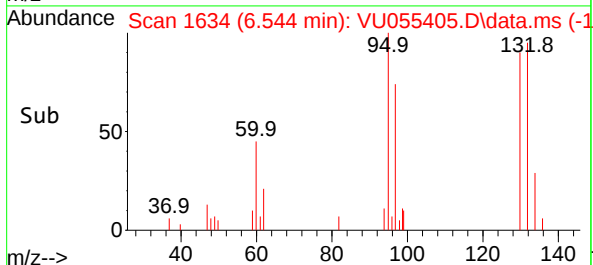
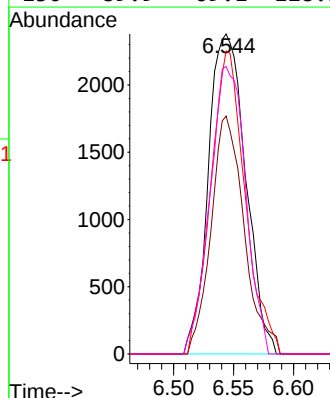
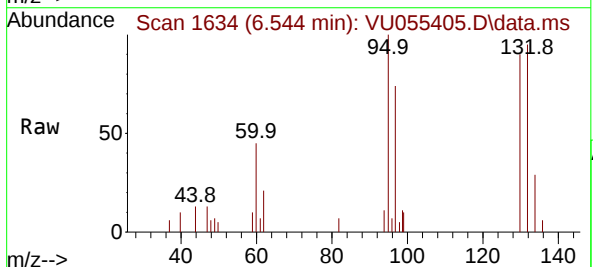
Ion Ratio Lower Upper

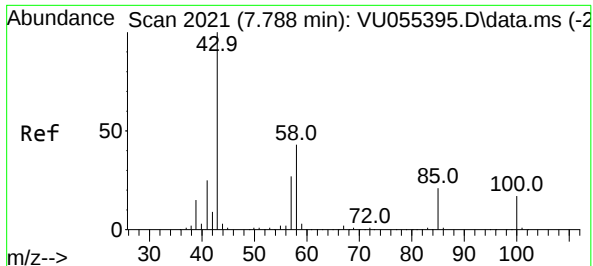
95 100

97 74.4 45.4 84.2

132 94.7 65.2 121.2

130 89.9 69.1 128.3





#40

4-Methyl-2-pentanone

Concen: 2.249 ug/L

RT: 7.795 min Scan# 2021

Delta R.T. 0.006 min

Lab File: VU055405.D

Acq: 19 Sep 2023 21:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK137

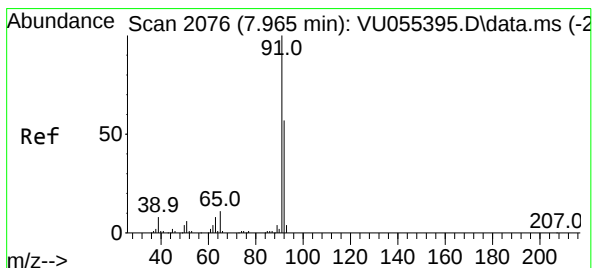
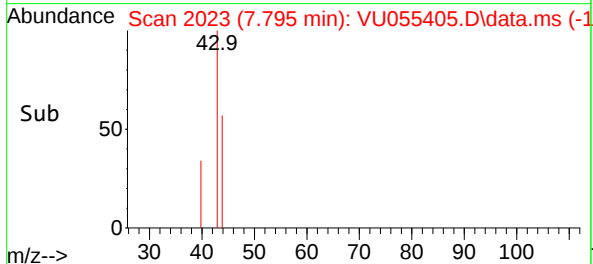
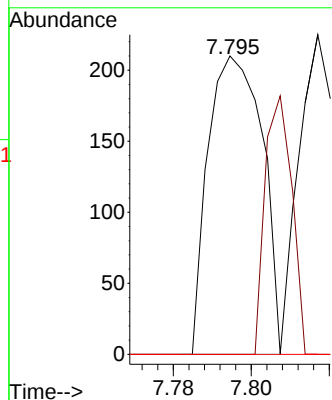
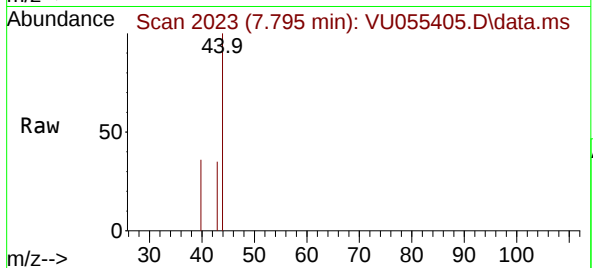
Tgt Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

58 43.1 34.2 51.4

100 0.0 13.4 20.0#



#42

Toluene

Concen: 0.261 ug/L

RT: 7.984 min Scan# 2082

Delta R.T. 0.019 min

Lab File: VU055405.D

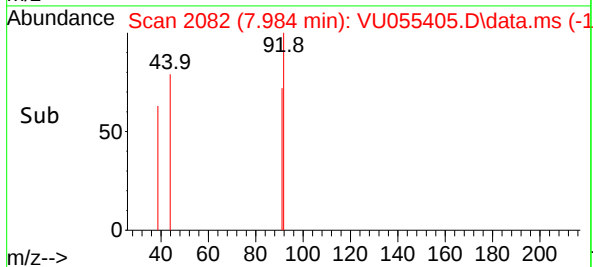
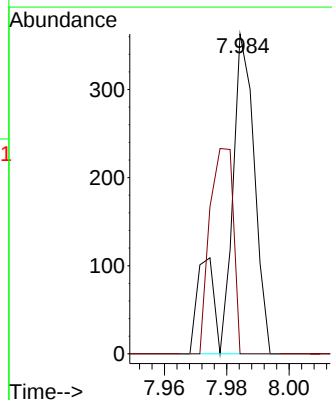
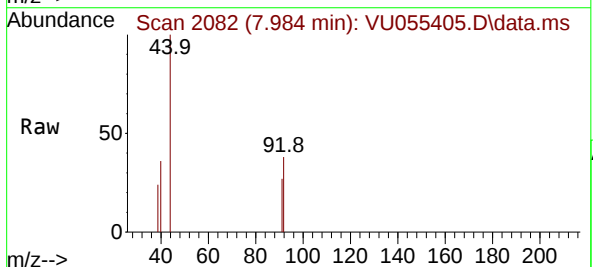
Acq: 19 Sep 2023 21:14

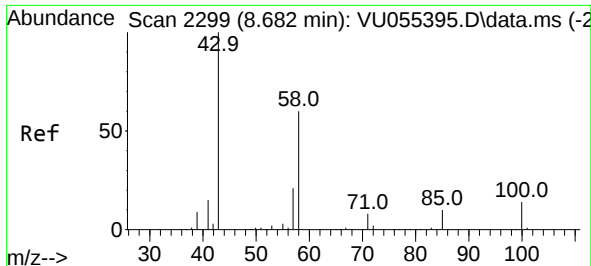
Tgt Ion: 91 Resp: 211

Ion Ratio Lower Upper

91 100

92 0.0 40.3 74.8#





#48

2-Hexanone

Concen: 104.088 ug/L

RT: 8.695 min Scan# 21

Delta R.T. 0.013 min

Lab File: VU055405.D

Acq: 19 Sep 2023 21:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK137

Tgt Ion: 43 Resp: 7247

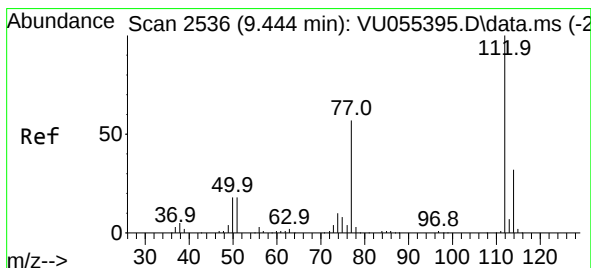
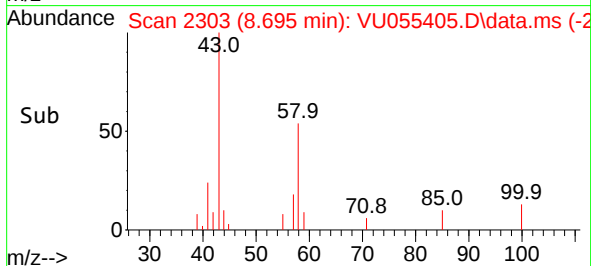
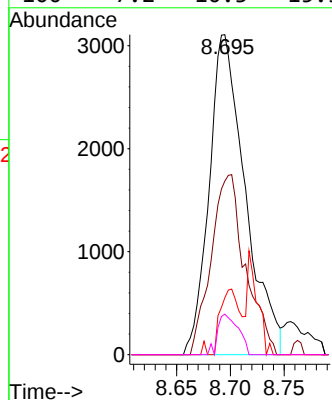
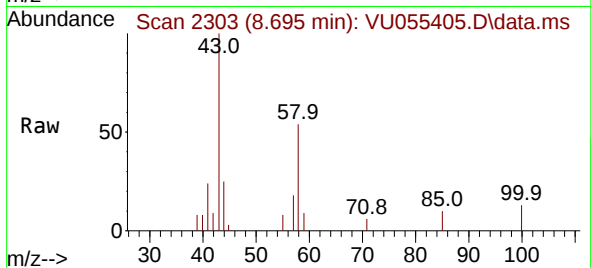
Ion Ratio Lower Upper

43 100

58 53.3 48.5 72.7

57 10.6 17.0 25.4#

100 7.2 10.3 15.5#



#51

Chlorobenzene

Concen: 0.242 ug/L

RT: 9.454 min Scan# 2539

Delta R.T. 0.009 min

Lab File: VU055405.D

Acq: 19 Sep 2023 21:14

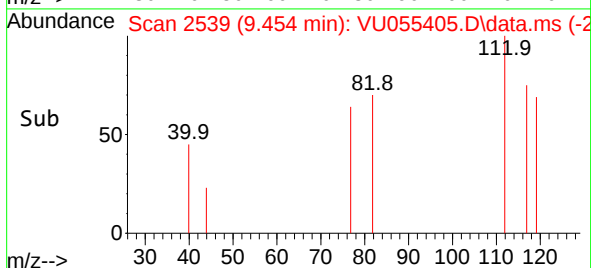
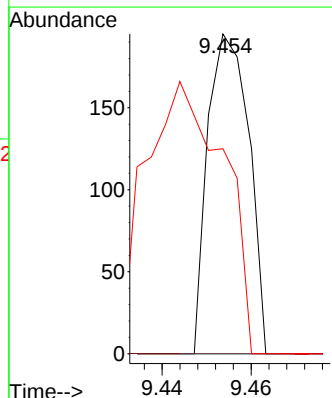
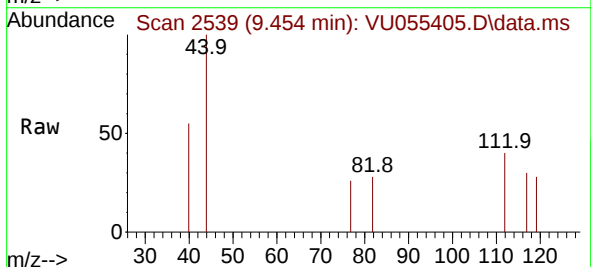
Tgt Ion: 112 Resp: 125

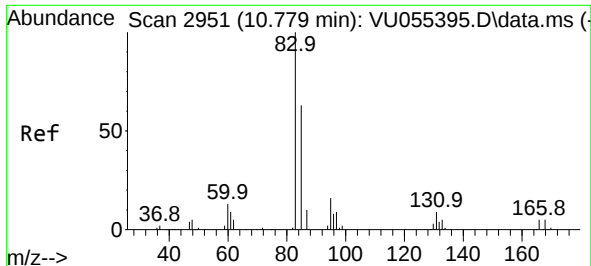
Ion Ratio Lower Upper

112 100

114 0.0 22.0 40.8#

77 64.1 46.9 70.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.172 ug/L

RT: 10.746 min Scan# 2951

Delta R.T. -0.032 min

Lab File: VU055405.D

Acq: 19 Sep 2023 21:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK137

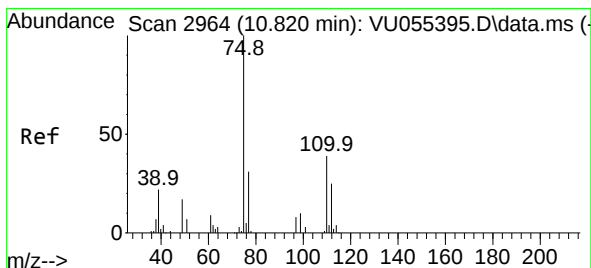
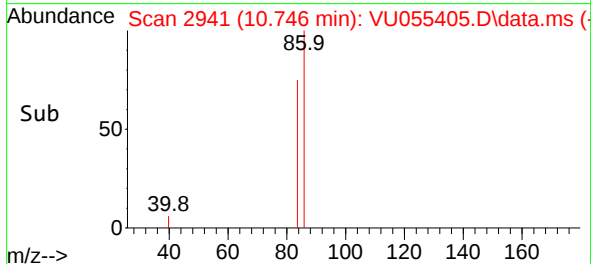
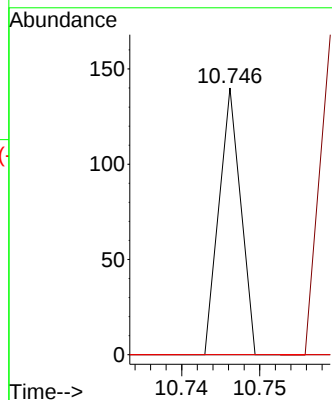
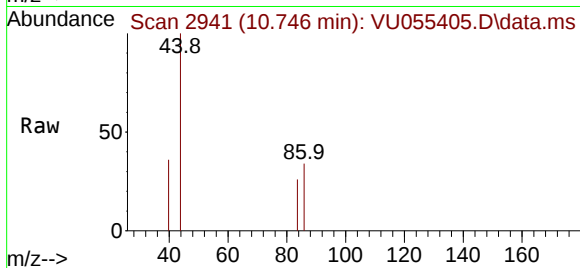
Tgt Ion: 83 Resp: 27

Ion Ratio Lower Upper

83 100

85 0.0 44.4 82.5#

131 0.0 7.4 11.2#



#61

1,2,3-Trichloropropane

Concen: 1.687 ug/L

RT: 11.814 min Scan# 3273

Delta R.T. 0.993 min

Lab File: VU055405.D

Acq: 19 Sep 2023 21:14

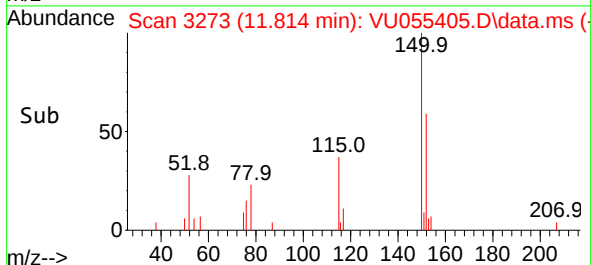
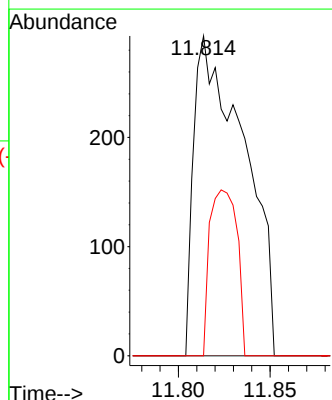
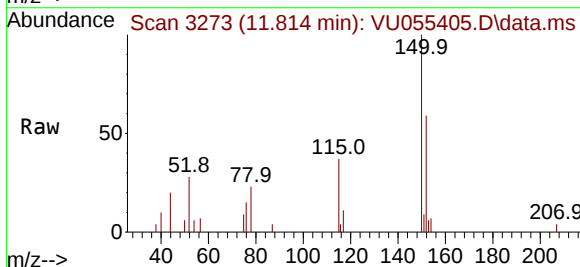
Tgt Ion: 75 Resp: 558

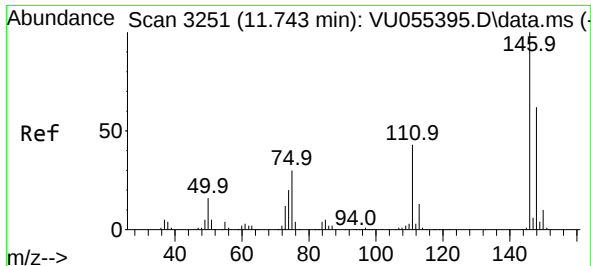
Ion Ratio Lower Upper

75 100

110 0.0 30.6 45.8#

77 28.0 26.7 40.1

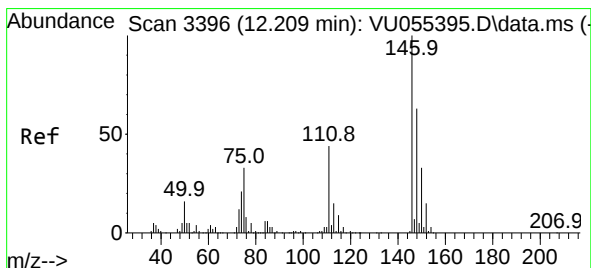
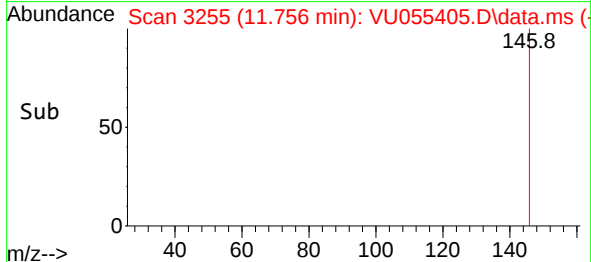
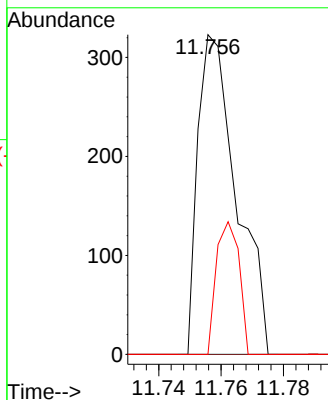
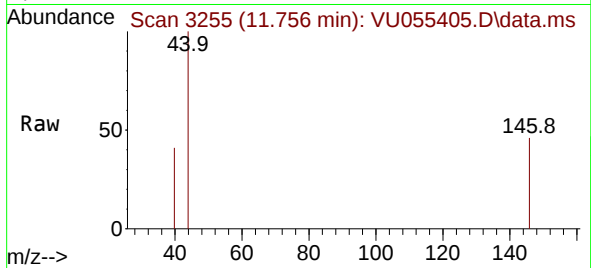




#64
1,3-Dichlorobenzene
Concen: 0.239 ug/L
RT: 11.756 min Scan# 31
Delta R.T. 0.013 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

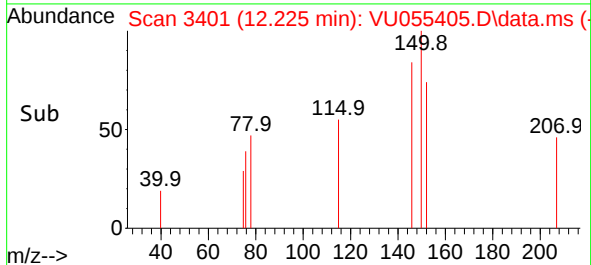
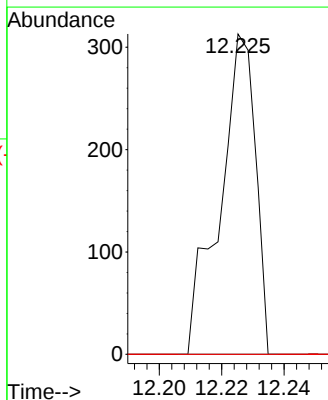
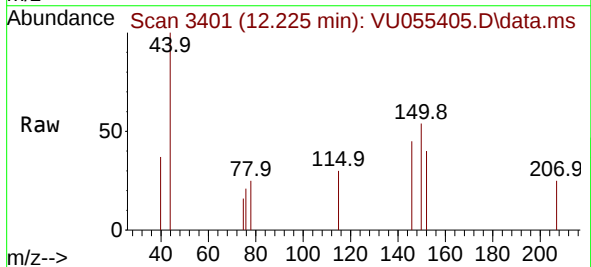
Instrument :
MSVOA_U
ClientSampleId :
VIBLK137

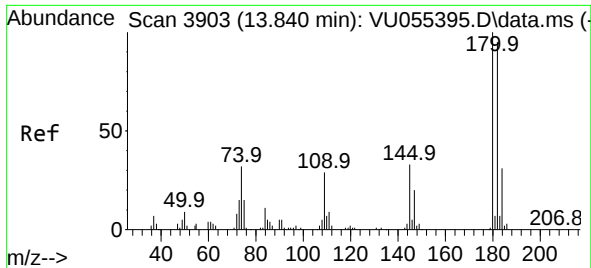
Tgt Ion:146 Resp: 279
Ion Ratio Lower Upper
146 100
111 0.0 28.8 53.6#
148 0.0 44.6 82.8#



#67
1,2-Dichlorobenzene
Concen: 0.233 ug/L
RT: 12.225 min Scan# 3401
Delta R.T. 0.016 min
Lab File: VU055405.D
Acq: 19 Sep 2023 21:14

Tgt Ion:146 Resp: 250
Ion Ratio Lower Upper
146 100
111 0.0 34.6 52.0#
148 0.0 51.8 77.8#





#70

1,2,4-trichlorobenzene

Concen: 0.632 ug/L

RT: 13.865 min Scan# 3911

Delta R.T. 0.025 min

Lab File: VU055405.D

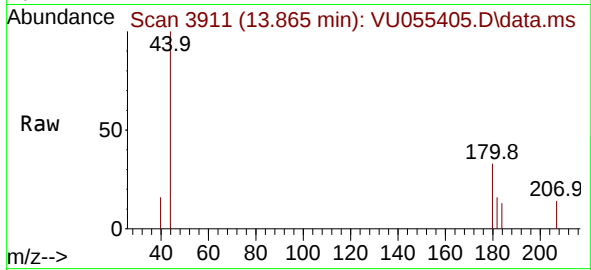
Acq: 19 Sep 2023 21:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK137



Tgt Ion:180 Resp: 388

Ion Ratio Lower Upper

180 100

182 85.3 76.4 114.6

145 0.0 25.4 38.0#

