

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
 Data File : VU049646.D
 Acq On : 07 Jul 2022 11:29
 Operator : SY/MD
 Sample : VU0707WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBL01

Quant Time: Jul 08 09:11:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 07:00:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	41826	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	13066	0.853	ug/l	0.00
Spiked Amount	1.000		Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	12625	0.895	ug/l	0.00
Spiked Amount	1.000		Recovery	=	90.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	66	0.004	ug/l	# 42
3) Chloromethane	1.530	50	1148	0.070	ug/l	97
5) Bromomethane	1.861	94	232	0.030	ug/l	# 4
6) Chloroethane	1.941	64	92	0.011	ug/l	# 42
7) Trichlorofluoromethane	2.138	101	81	0.005	ug/l	# 18
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	21	0.002	ug/l	# 1
9) 1,1-Dichloroethene	2.584	96	74	0.008	ug/l	28
11) Allyl Chloride	2.896	41	51	0.003	ug/l	85
12) Acrylonitrile	3.285	53	20	0.008	ug/l	# 1
13) Acetone	2.639	43	352	Below Cal	#	42
14) Carbon Disulfide	2.790	76	1055	0.034	ug/l	# 28
15) Methylene Chloride	3.044	84	5311	0.447	ug/l	99
17) 1,1-Dichloroethane	3.864	63	40	0.002	ug/l	# 83
18) 2-Butanone	4.703	43	271	0.253	ug/l	75
19) Cyclohexane	5.379	56	131	0.007	ug/l	# 45
20) Methylcyclohexane	6.764	83	182	0.009	ug/l	# 74
21) 2,2-Dichloropropane	4.639	77	22	0.001	ug/l	# 52
22) cis-1,2-Dichloroethene	4.655	96	42	0.003	ug/l	# 20
24) tert-Butyl Alcohol	3.186	59	746	0.809	ug/l	# 73
25) Methyl tert-Butyl Ether	3.179	73	21	0.001	ug/l	# 1
27) Chloroform	5.092	83	235	0.012	ug/l	17
29) 1,1-Dichloropropene	5.443	75	43	0.003	ug/l	# 42
31) Isopropyl Ether	4.025	45	222	0.006	ug/l	87
32) Ethyl-t-butyl ether	4.707	59	39	0.001	ug/l	# 35
33) Tert-Amyl methyl ether	6.118	73	632	0.022	ug/l	# 47
35) Benzene	5.777	78	428	0.009	ug/l	# 52
37) Trichloroethene	6.539	130	105	0.009	ug/l	# 64
39) Methacrylonitrile	5.070	41	173	0.041	ug/l	# 43
41) Tetrahydrofuran	5.086	42	594	Below Cal	#	63
42) 1-Chlorobutane	5.379	56	131	0.006	ug/l	77
43) Dibromomethane	6.925	93	40	0.007	ug/l	# 5
45) 4-Methyl-2-Pentanone	7.787	43	138	0.017	ug/l	# 42
46) t-1,4-Dichloro-2-butene	10.632	75	7002	2.643	ug/l	# 23
49) Toluene	7.964	92	142	0.005	ug/l	# 1
50) t-1,3-Dichloropropene	8.211	75	97	0.007	ug/l	# 44
53) 1,3-Dichloropropane	8.578	76	64	0.004	ug/l	# 33
54) 2-Hexanone	8.706	43	1459	0.258	ug/l	# 59
58) Tetrachloroethene	8.555	164	153	0.016	ug/l	# 68
59) Chlorobenzene	9.452	112	751	0.026	ug/l	# 77
63) Ethyl Benzene	9.568	91	913	0.017	ug/l	93
64) m/p-Xylenes	9.693	106	485	0.025	ug/l	# 26
65) o-Xylene	10.102	106	179	0.009	ug/l	# 26
66) Styrene	10.118	104	462	0.015	ug/l	89

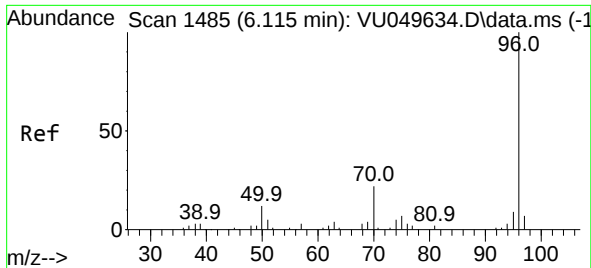
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
 Data File : VU049646.D
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Quant Time: Jul 08 09:11:07 2022
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 07:00:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Isopropylbenzene	10.484	105	887	0.017	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.787	83	153	0.014	ug/l #	58
72) Bromobenzene	10.793	156	199	0.017	ug/l	31
73) n-propylbenzene	10.909	120	263	0.021	ug/l	93
74) 2-Chlorotoluene	10.986	126	177	0.015	ug/l	63
75) 1,3,5-Trimethylbenzene	11.089	105	790	0.019	ug/l	91
76) 4-Chlorotoluene	11.089	126	344	0.030	ug/l	64
77) tert-Butylbenzene	11.420	119	647	0.015	ug/l	82
78) 1,2,4-Trimethylbenzene	11.465	105	1129	0.026	ug/l	78
79) sec-Butylbenzene	11.645	105	1130	0.021	ug/l	95
80) Nitrobenzene	13.221	77	366	0.832	ug/l #	56
81) p-Isopropyltoluene	11.790	119	926	0.021	ug/l	93
82) 1,3-Dichlorobenzene	11.835	146	1190	0.054	ug/l	94
83) 1,4-Dichlorobenzene	11.835	146	1190	0.053	ug/l	95
84) n-Butylbenzene	12.208	91	2657	0.064	ug/l #	94
85) 1,2-Dichlorobenzene	12.208	146	870	0.041	ug/l	81
86) 1,2-Dibromo-3-Chloropr...	12.986	75	43	0.023	ug/l #	2
87) 1,2,4-Trichlorobenzene	13.844	180	2303	0.159	ug/l #	89
88) Hexachlorobutadiene	14.015	225	599	0.081	ug/l #	72
89) Naphthalene	14.092	128	10566	0.348	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	2993	0.217	ug/l	95

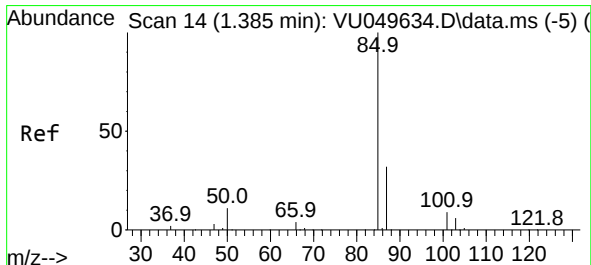
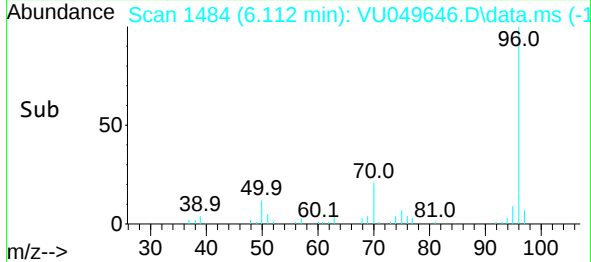
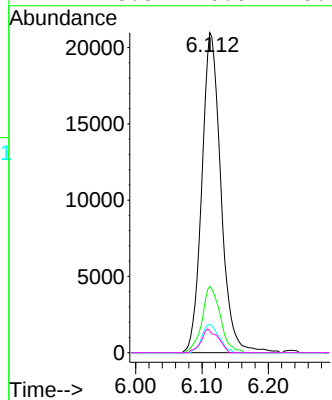
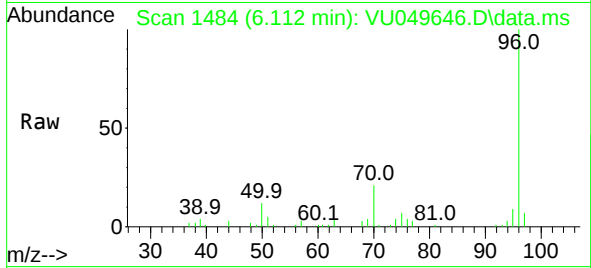
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

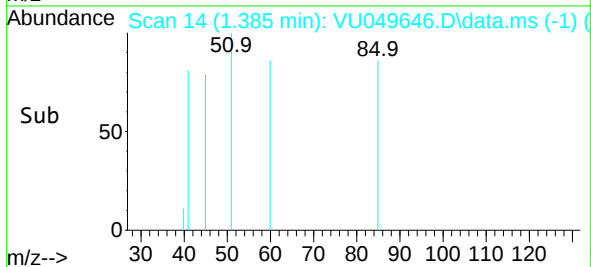
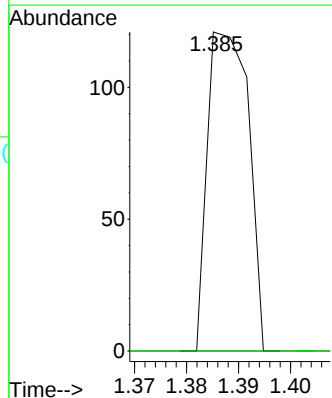
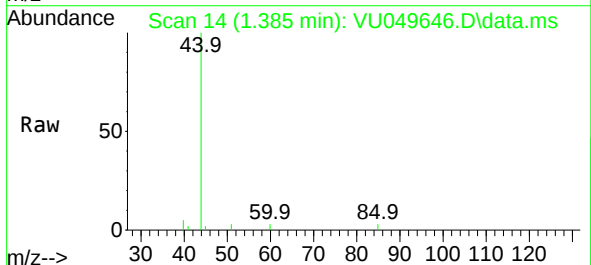
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

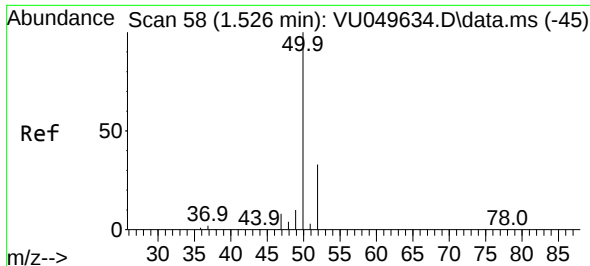
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Ion Ratio	Lower Upper
96 100	
70 19.9	16.7 25.1
95 8.0	7.4 11.0
97 6.6	0.0 0.0



#2
Dichlorodifluoromethane
Concen: 0.004 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 85	Resp: 66
Ion Ratio	Lower Upper
85 100	
87 0.0	16.3 48.8

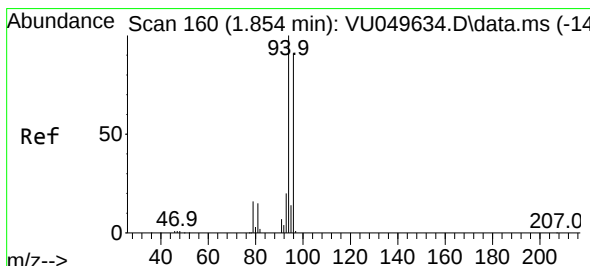
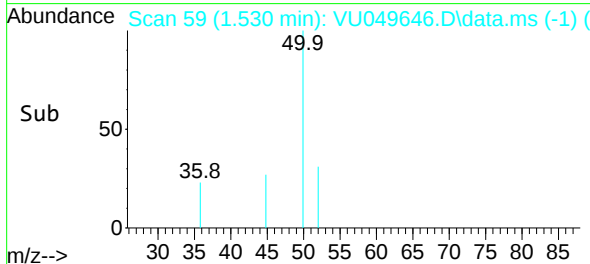
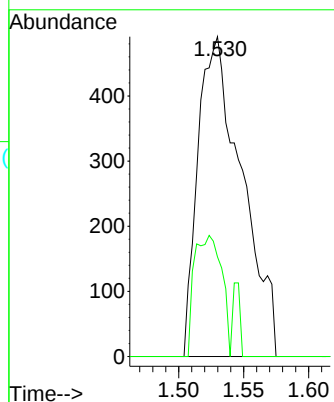
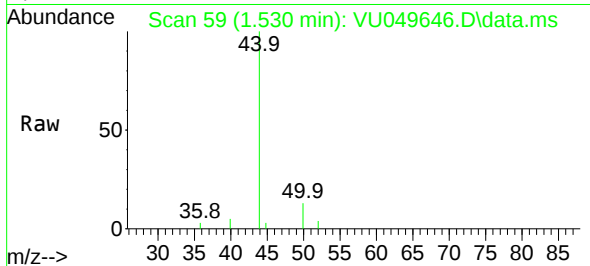




#3
Chloromethane
Concen: 0.070 ug/l
RT: 1.530 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

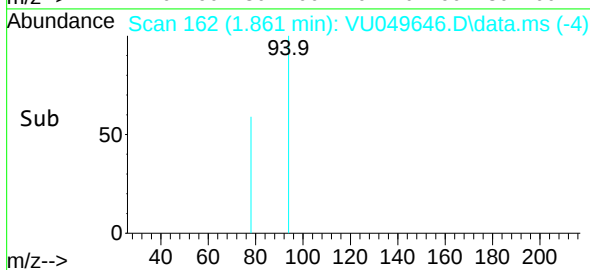
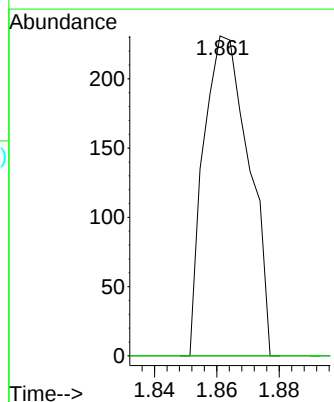
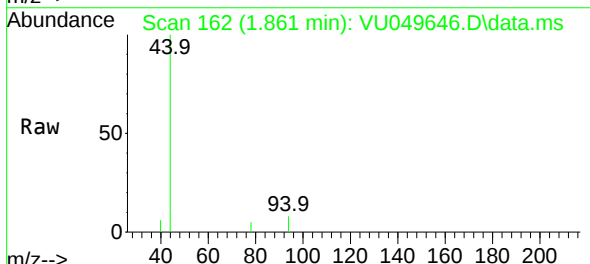
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

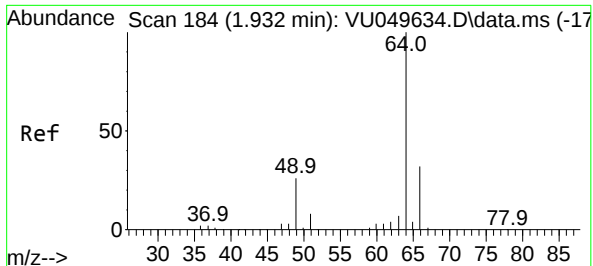
Tgt Ion: 50 Resp: 1148
Ion Ratio Lower Upper
50 100
52 31.2 26.1 39.1



#5
Bromomethane
Concen: 0.030 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.007 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 0.0 73.0 109.6#

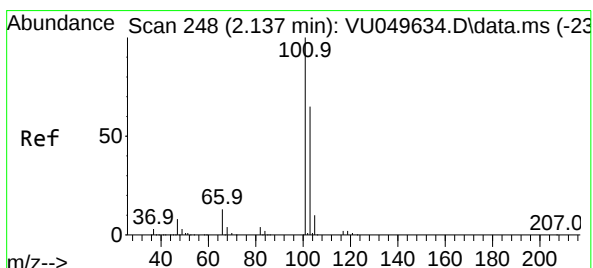
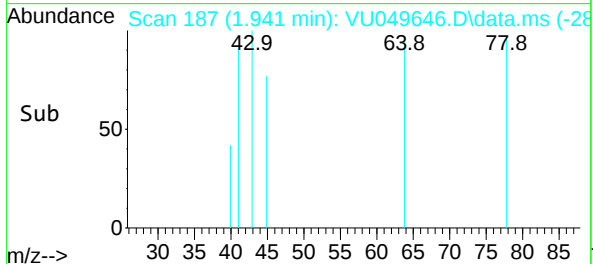
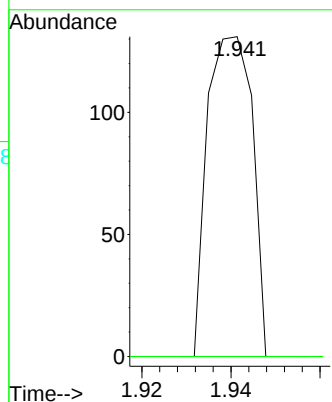
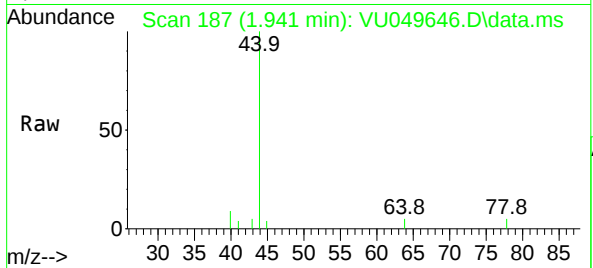




#6
Chloroethane
Concen: 0.011 ug/l
RT: 1.941 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

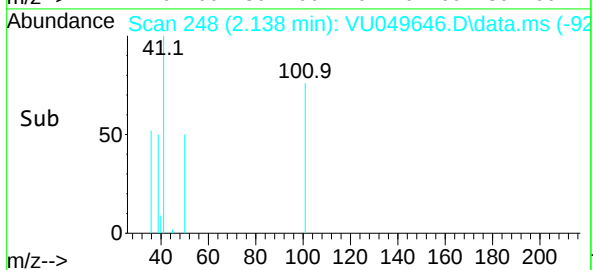
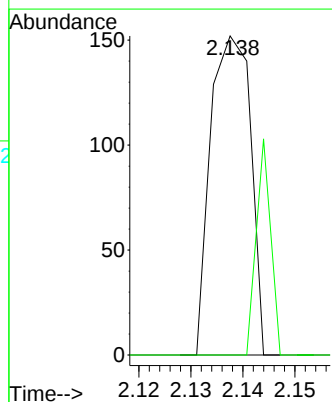
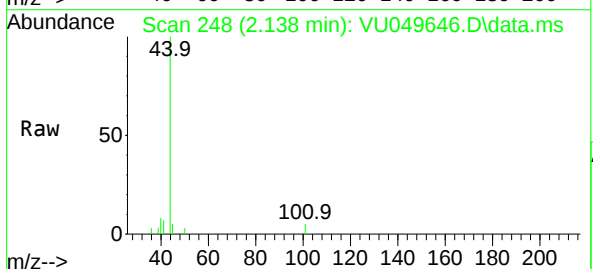
Instrument :
MSVOA_U
ClientSampleId :
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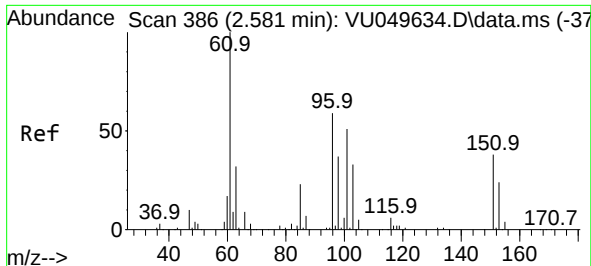
Tgt Ion: 64 Resp: 92
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#



#7
Trichlorofluoromethane
Concen: 0.005 ug/l
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 101 Resp: 81
Ion Ratio Lower Upper
101 100
103 0.0 51.8 77.6#

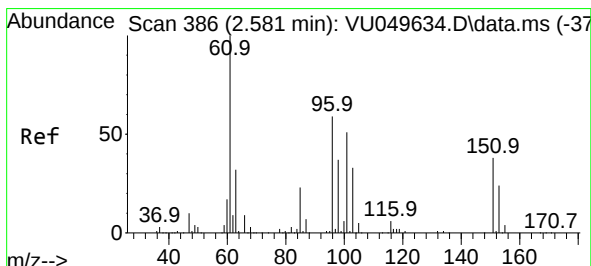
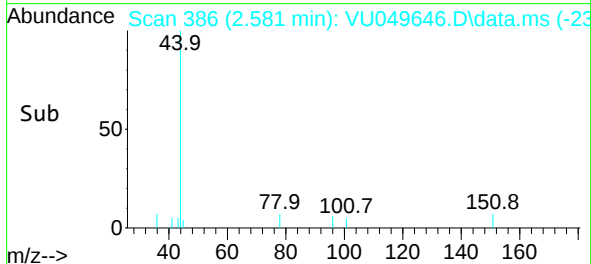
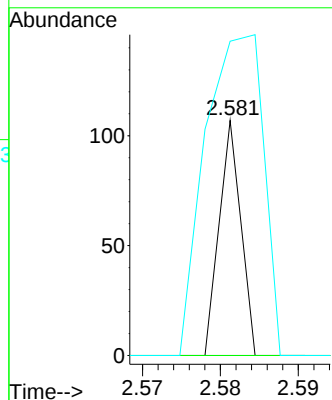
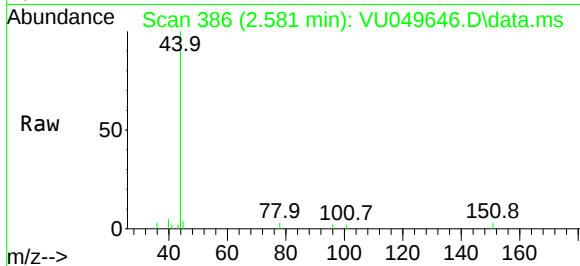




#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.002 ug/l
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU049646.D
 Acq: 07 Jul 2022 11:29

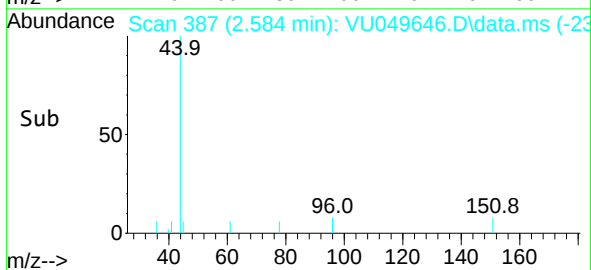
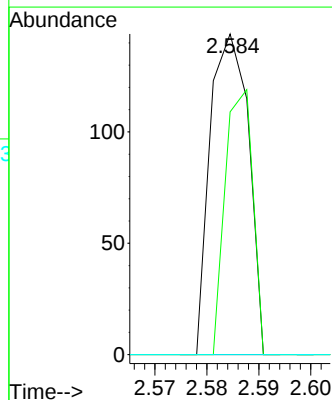
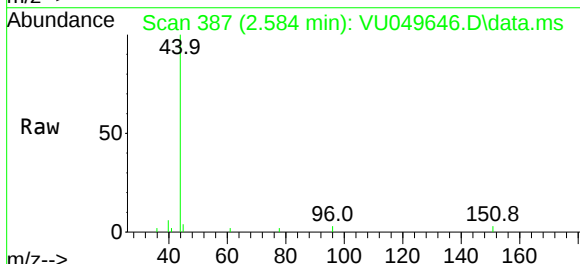
Instrument :
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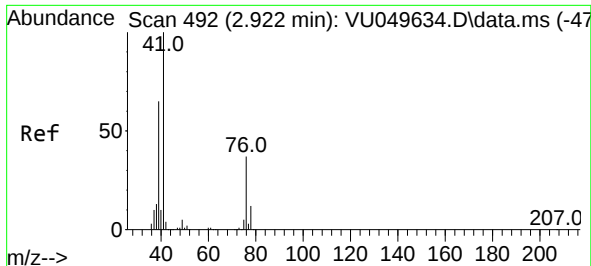
Tgt Ion:101 Resp: 21
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.4 54.6#
 151 361.9 59.1 88.7#



#9
 1,1-Dichloroethene
 Concen: 0.008 ug/l
 RT: 2.584 min Scan# 387
 Delta R.T. 0.003 min
 Lab File: VU049646.D
 Acq: 07 Jul 2022 11:29

Tgt Ion: 96 Resp: 74
 Ion Ratio Lower Upper
 96 100
 61 75.7 0.0 510.6
 98 0.0 0.0 124.6





#11

Allyl Chloride

Concen: 0.003 ug/l

RT: 2.896 min Scan# 41

Delta R.T. -0.026 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

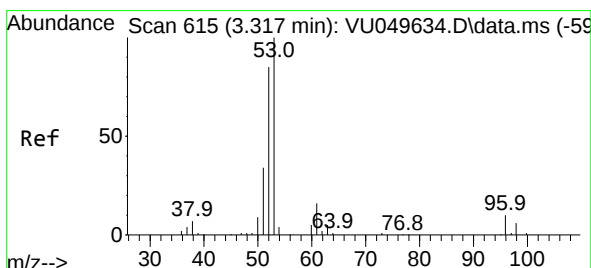
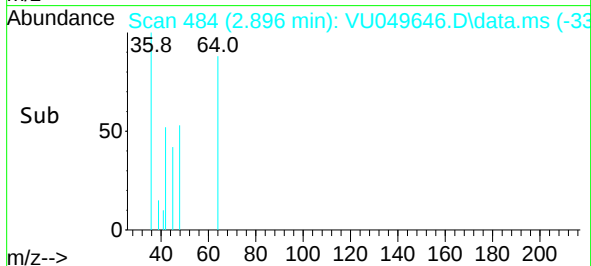
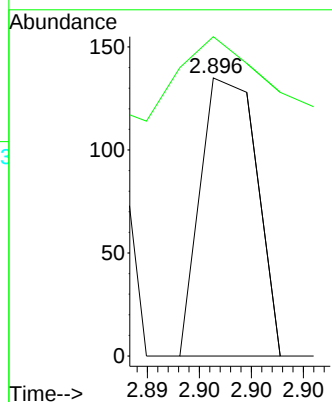
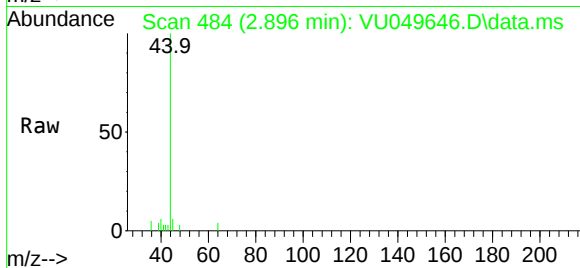
VU0707WBL01

Tgt Ion: 41 Resp: 51

Ion Ratio Lower Upper

41 100

39 54.9 53.2 79.8



#12

Acrylonitrile

Concen: 0.008 ug/l

RT: 3.285 min Scan# 605

Delta R.T. -0.032 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

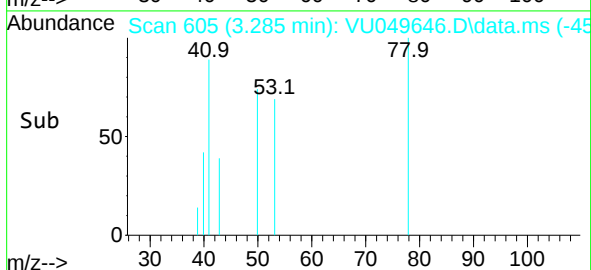
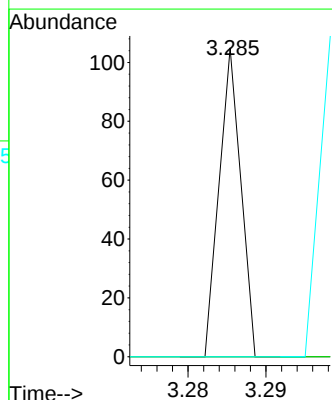
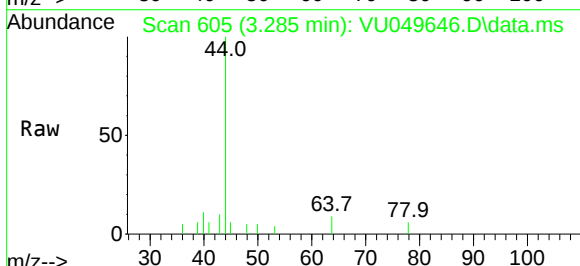
Tgt Ion: 53 Resp: 20

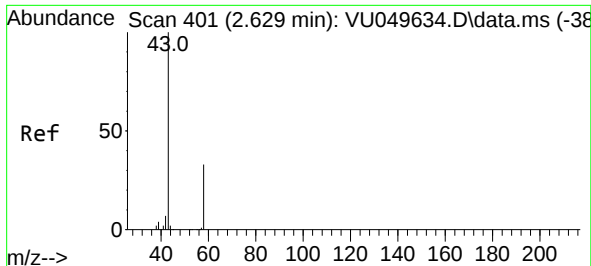
Ion Ratio Lower Upper

53 100

52 365.0 64.6 97.0#

51 0.0 30.7 46.1#





#13

Acetone

Concen: Below Cal

RT: 2.639 min Scan# 401

Delta R.T. 0.010 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

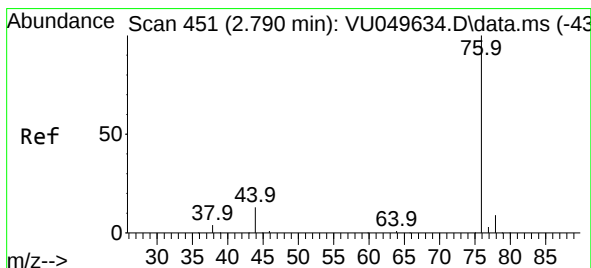
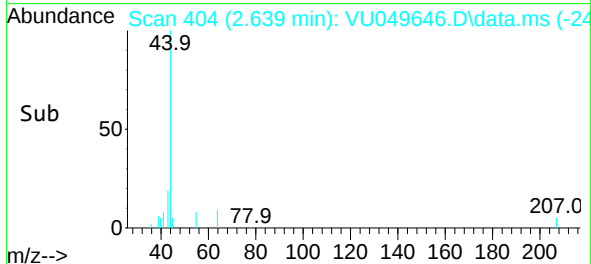
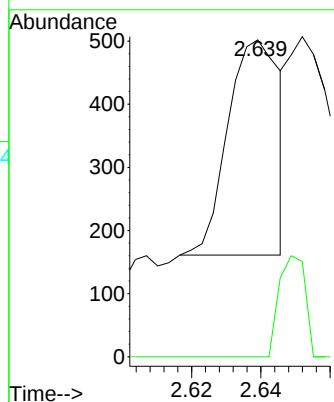
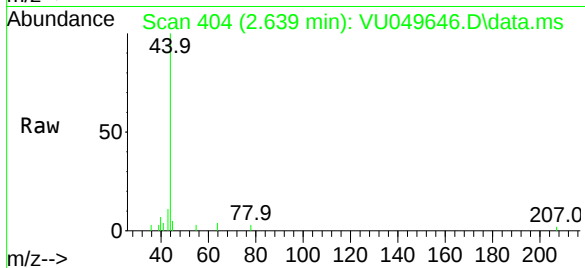
VU0707WBL01

Tgt Ion: 43 Resp: 352

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.2#



#14

Carbon Disulfide

Concen: 0.034 ug/l

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU049646.D

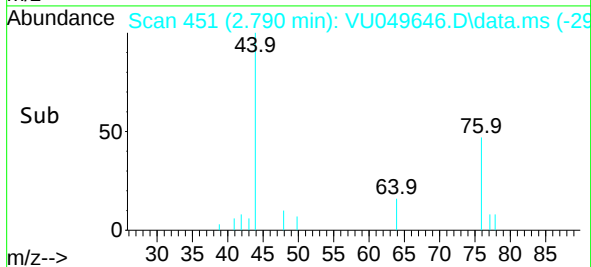
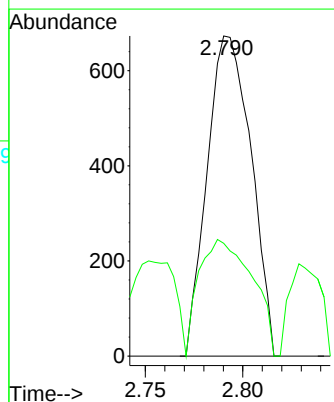
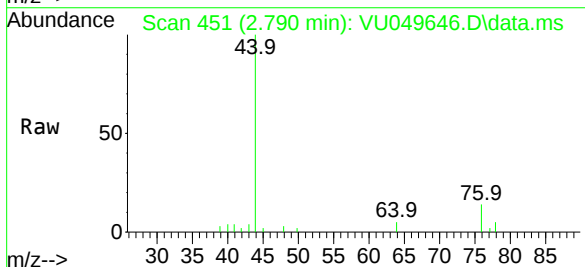
Acq: 07 Jul 2022 11:29

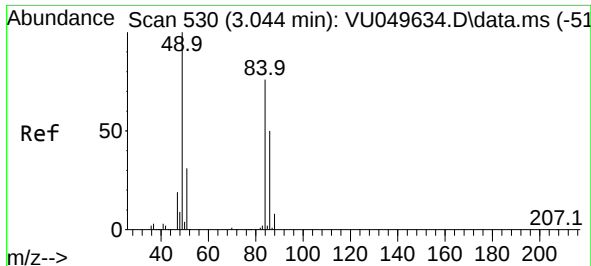
Tgt Ion: 76 Resp: 1055

Ion Ratio Lower Upper

76 100

78 35.2 7.4 11.0#

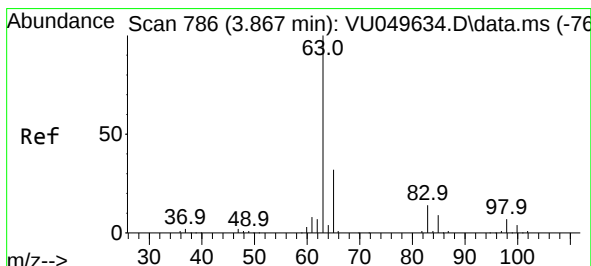
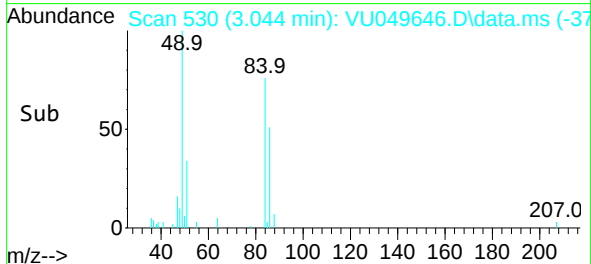
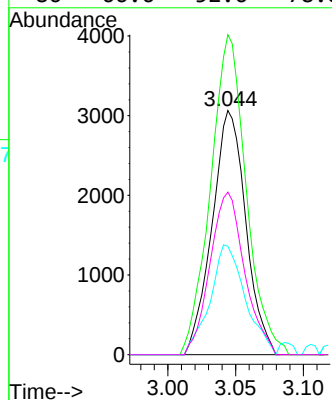
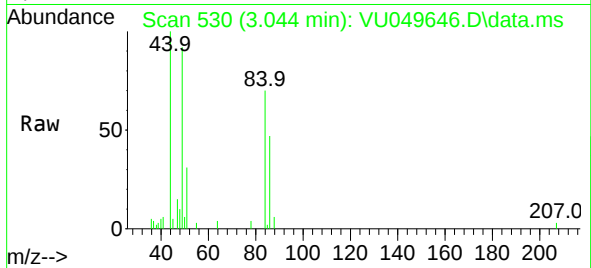




#15
Methylene Chloride
Concen: 0.447 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

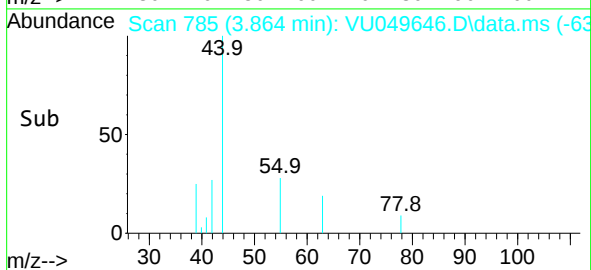
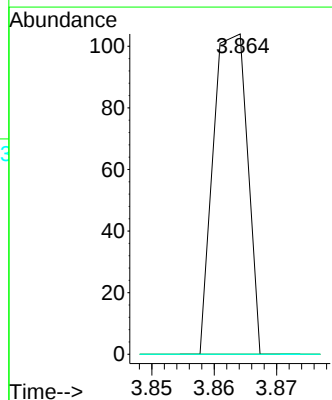
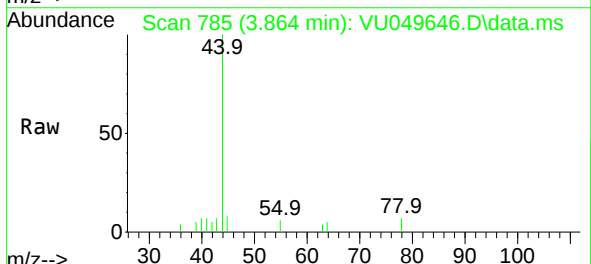
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

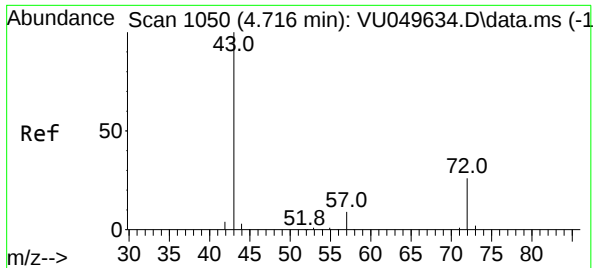
Tgt Ion: 84 Resp: 5311
Ion Ratio Lower Upper
84 100
49 131.1 104.6 157.0
51 44.4 0.0 81.4
86 66.6 52.6 78.8



#17
1,1-Dichloroethane
Concen: 0.002 ug/l
RT: 3.864 min Scan# 785
Delta R.T. -0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 63 Resp: 40
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 6.0#

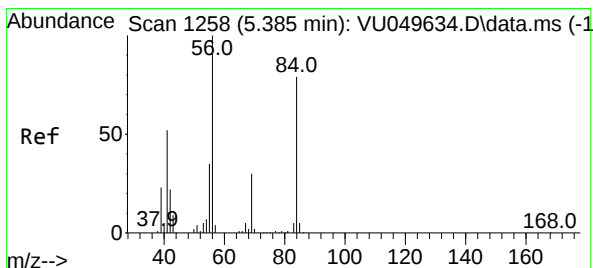
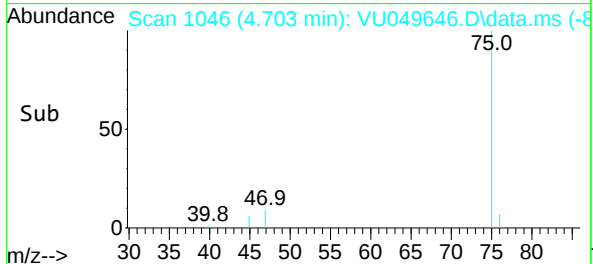
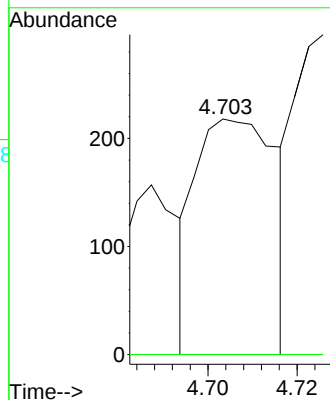
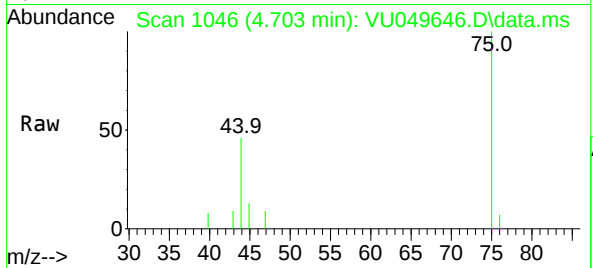




#18
2-Butanone
Concen: 0.253 ug/l
RT: 4.703 min Scan# 1046
Delta R.T. -0.013 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

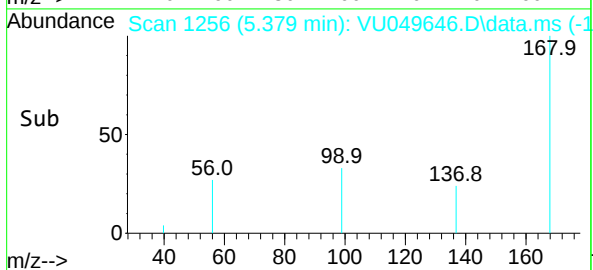
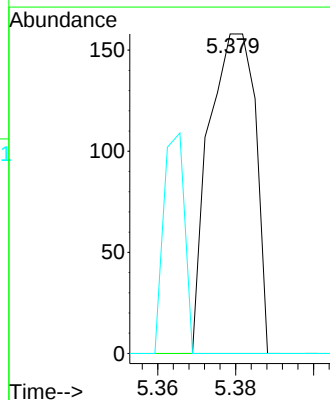
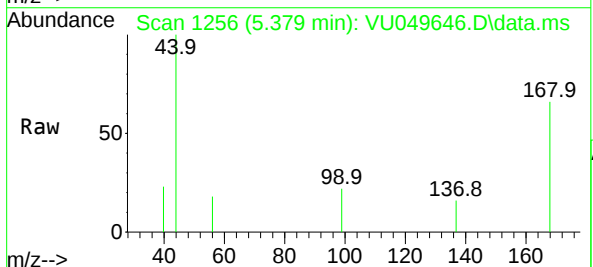
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

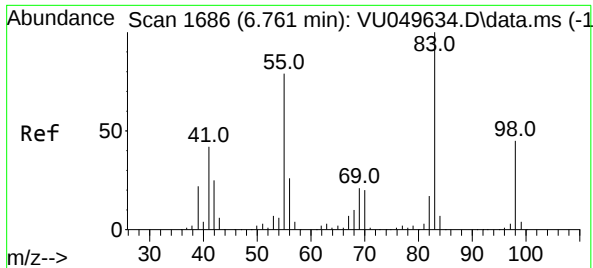
Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
57 0.0 0.0 18.0



#19
Cyclohexane
Concen: 0.007 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.006 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
69 0.0 24.2 36.4#
84 31.3 63.4 95.2#

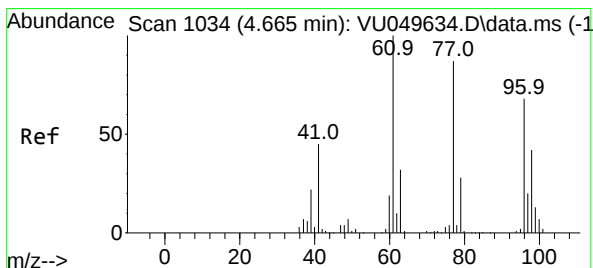
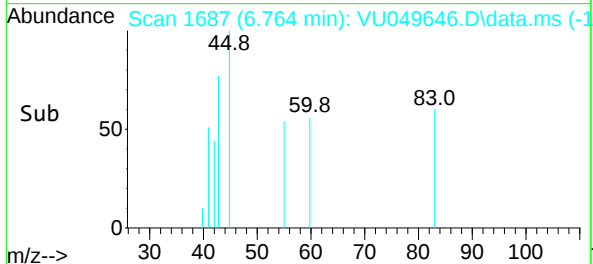
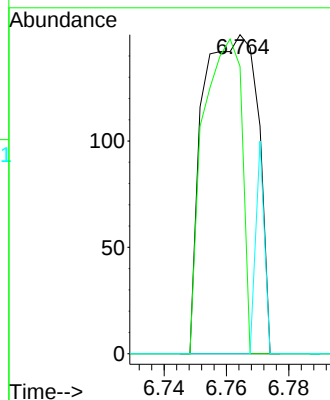
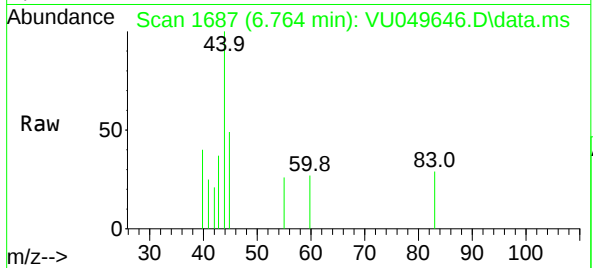




#20
Methylcyclohexane
Concen: 0.009 ug/l
RT: 6.764 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

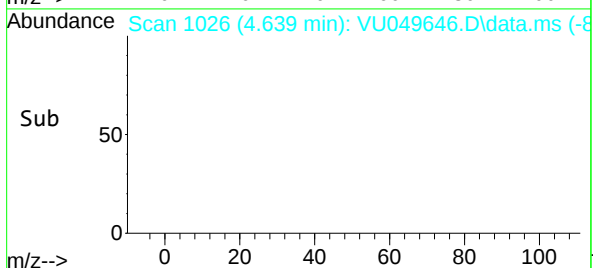
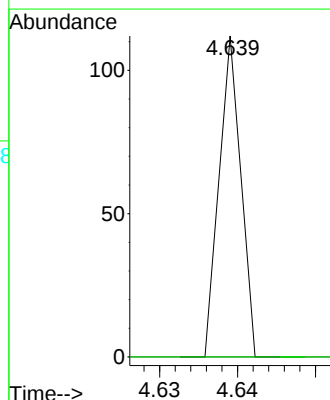
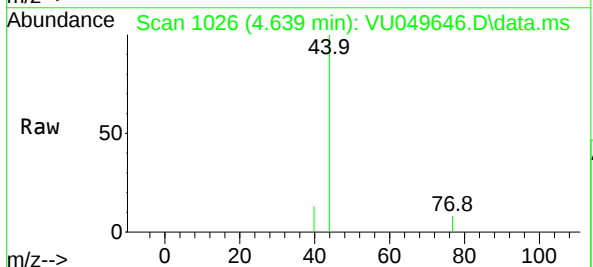
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

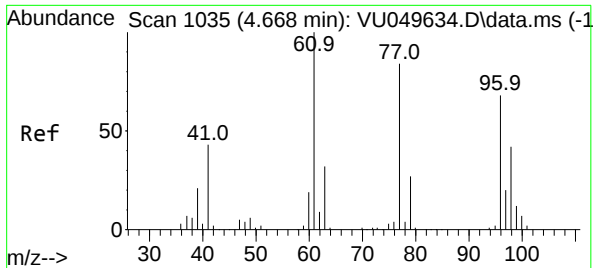
Tgt Ion: 83 Resp: 182
Ion Ratio Lower Upper
83 100
55 69.2 63.0 94.4
98 10.4 35.7 53.5#



#21
2,2-Dichloropropane
Concen: 0.001 ug/l
RT: 4.639 min Scan# 1026
Delta R.T. -0.026 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 77 Resp: 22
Ion Ratio Lower Upper
77 100
97 0.0 18.5 27.7#





#22

cis-1,2-Dichloroethene

Concen: 0.003 ug/l

RT: 4.655 min Scan# 1031

Delta R.T. -0.013 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBL01

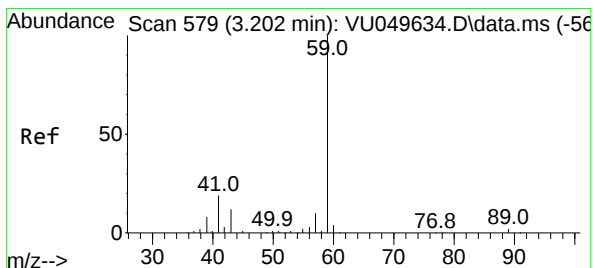
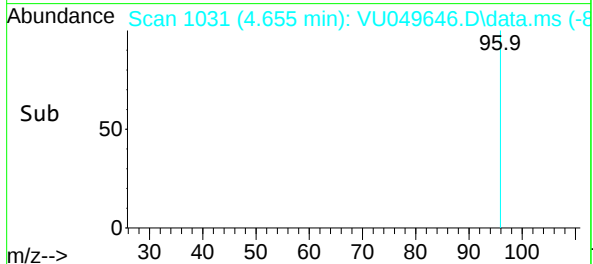
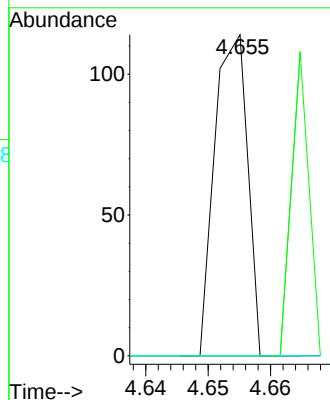
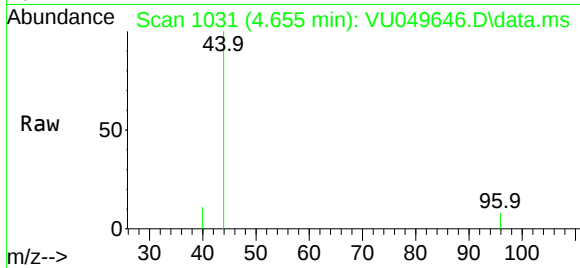
Tgt Ion: 96 Resp: 42

Ion Ratio Lower Upper

96 100

61 50.0 0.0 375.8

98 0.0 31.6 95.0#



#24

tert-Butyl Alcohol

Concen: 0.809 ug/l

RT: 3.186 min Scan# 574

Delta R.T. -0.016 min

Lab File: VU049646.D

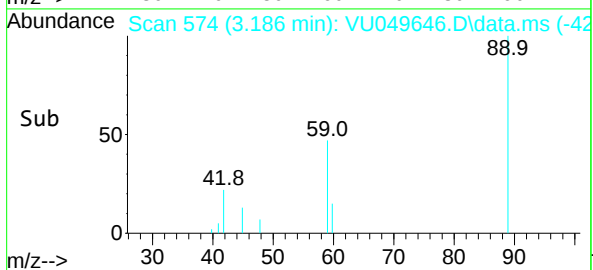
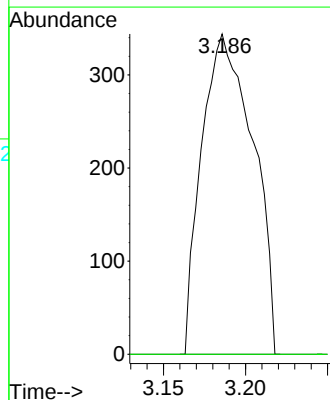
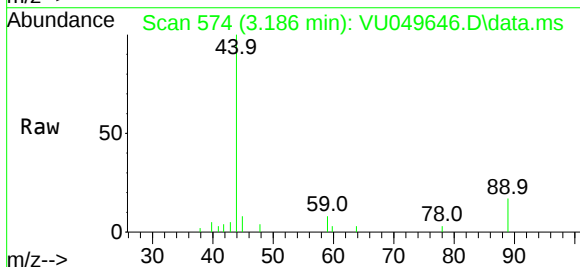
Acq: 07 Jul 2022 11:29

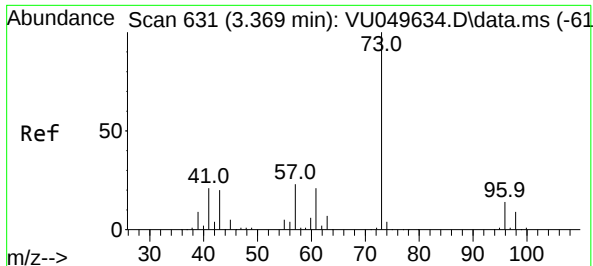
Tgt Ion: 59 Resp: 746

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#

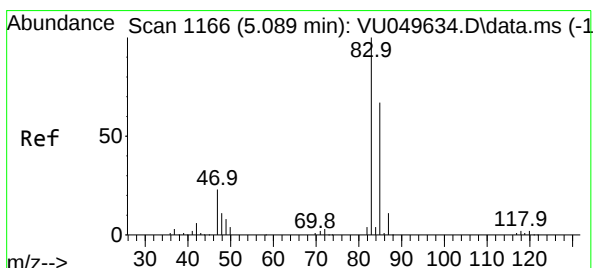
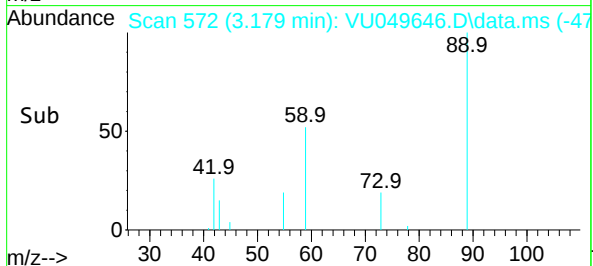
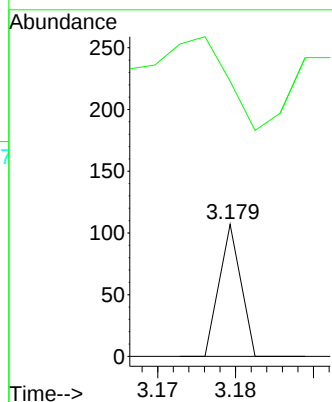
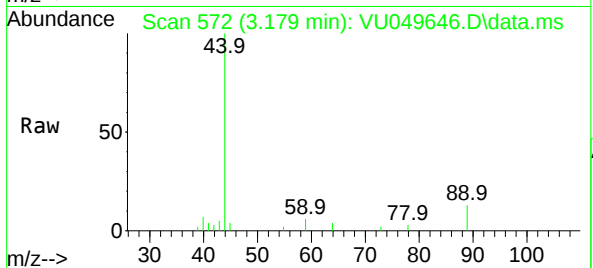




#25
Methyl tert-Butyl Ether
Concen: 0.001 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.190 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

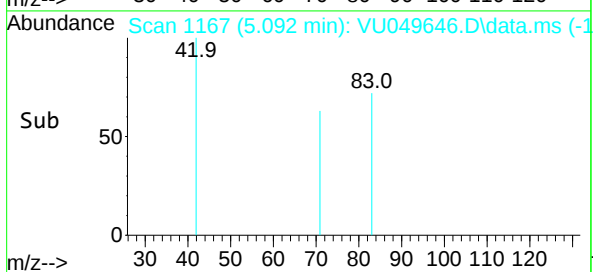
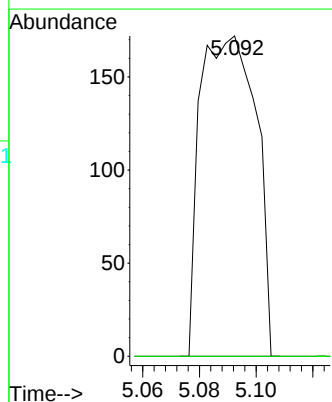
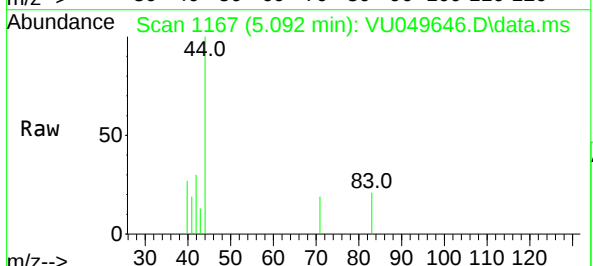
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

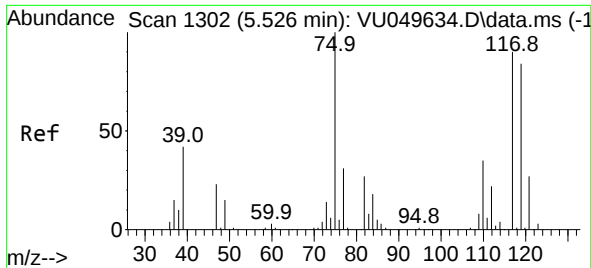
Tgt Ion: 73 Resp: 21
Ion Ratio Lower Upper
73 100
43 657.1 15.9 23.9#



#27
Chloroform
Concen: 0.012 ug/l
RT: 5.092 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 83 Resp: 235
Ion Ratio Lower Upper
83 100
85 0.0 0.0 133.6





#29

1,1-Dichloropropene

Concen: 0.003 ug/l

RT: 5.443 min Scan# 11

Delta R.T. -0.083 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBL01

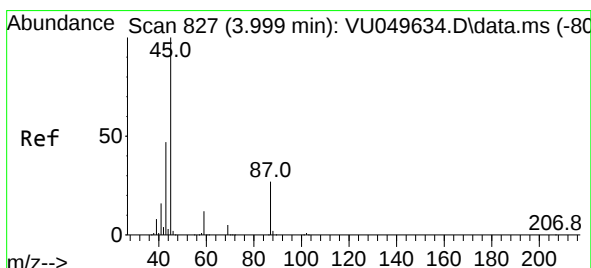
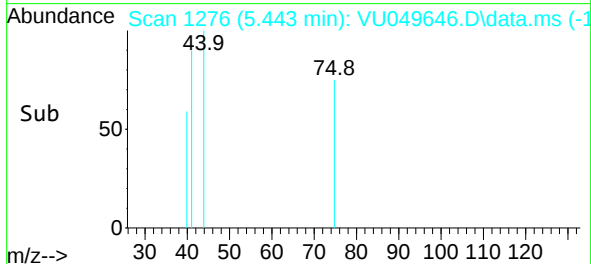
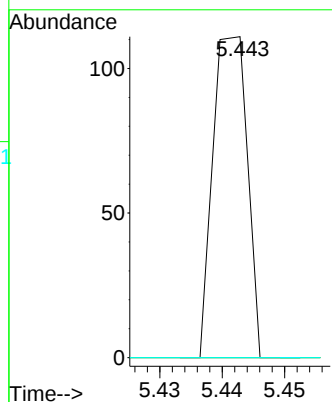
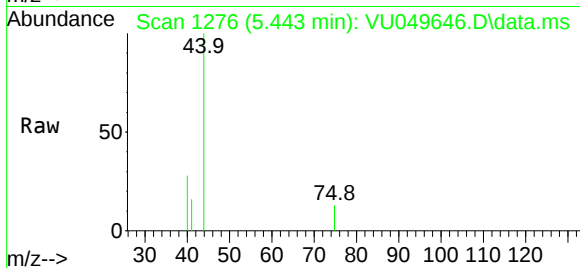
Tgt Ion: 75 Resp: 43

Ion Ratio Lower Upper

75 100

110 0.0 17.3 52.0#

77 0.0 24.6 37.0#



#31

Isopropyl Ether

Concen: 0.006 ug/l

RT: 4.025 min Scan# 835

Delta R.T. 0.026 min

Lab File: VU049646.D

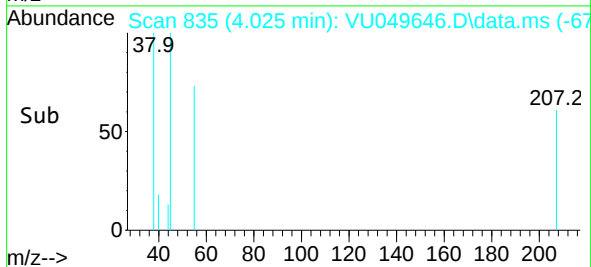
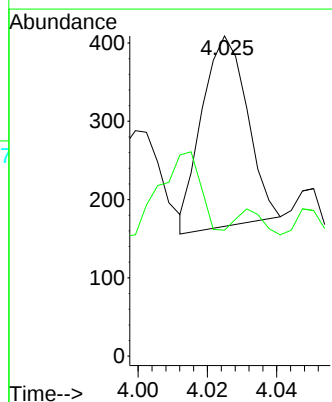
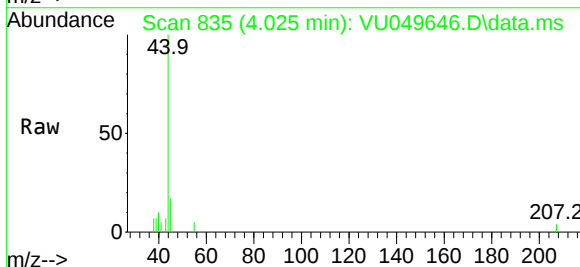
Acq: 07 Jul 2022 11:29

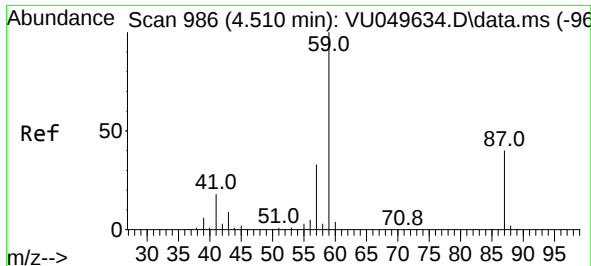
Tgt Ion: 45 Resp: 222

Ion Ratio Lower Upper

45 100

43 38.7 23.8 71.2

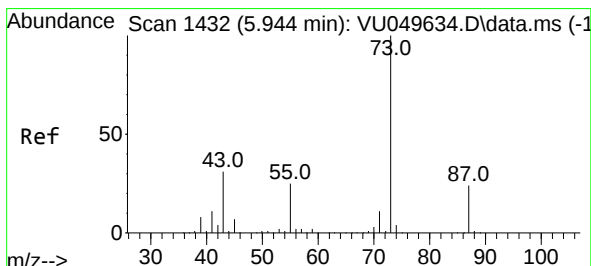
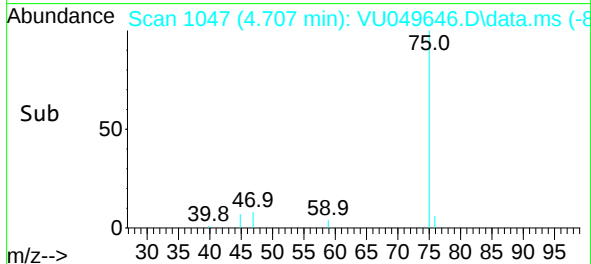
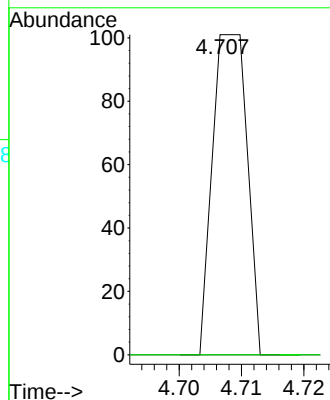
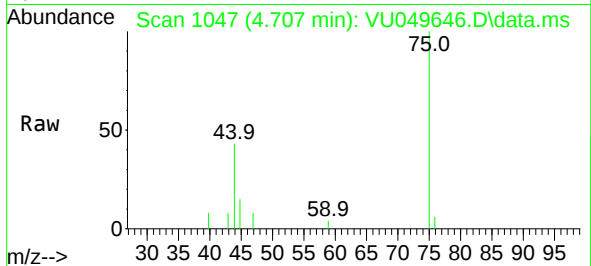




#32
Ethyl-t-butyl ether
Concen: 0.001 ug/l
RT: 4.707 min Scan# 1047
Delta R.T. 0.196 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

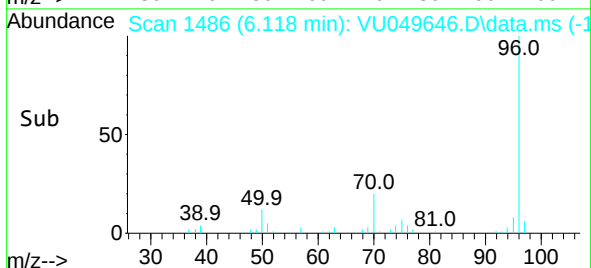
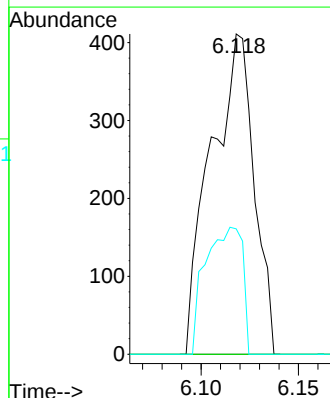
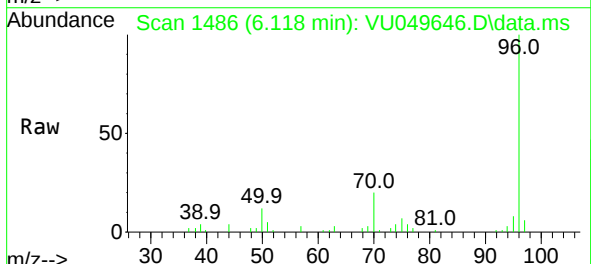
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

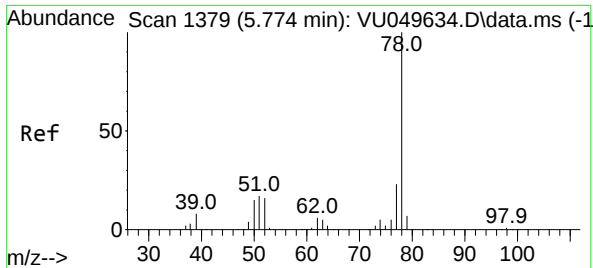
Tgt Ion: 59 Resp: 39
Ion Ratio Lower Upper
59 100
87 0.0 32.5 48.7#



#33
Tert-Amyl methyl ether
Concen: 0.022 ug/l
RT: 6.118 min Scan# 1486
Delta R.T. 0.174 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 73 Resp: 632
Ion Ratio Lower Upper
73 100
87 0.0 19.7 29.5#
71 34.2 9.0 13.4#

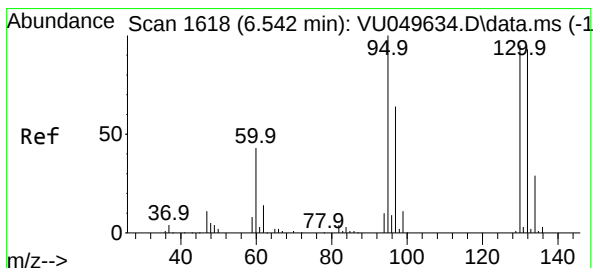
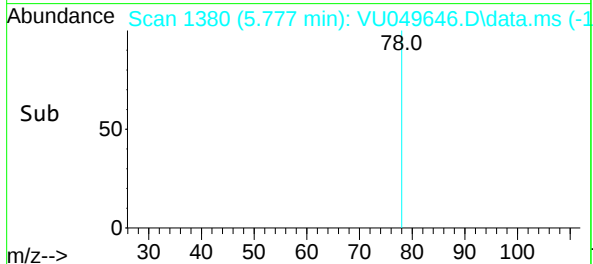
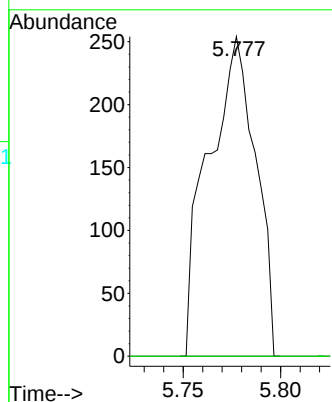
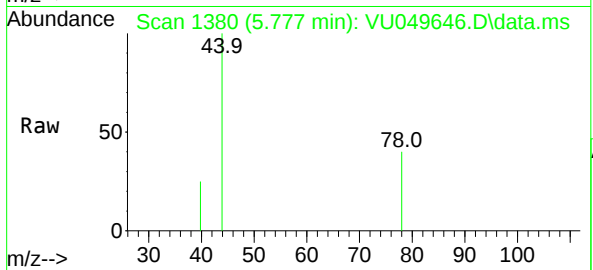




#35
Benzene
Concen: 0.009 ug/l
RT: 5.777 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

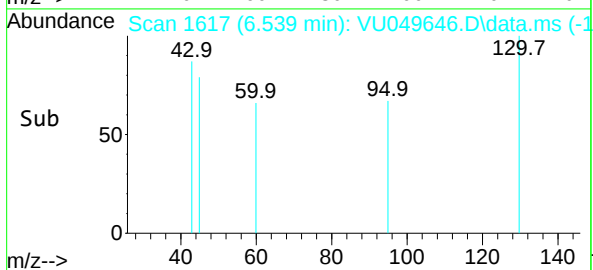
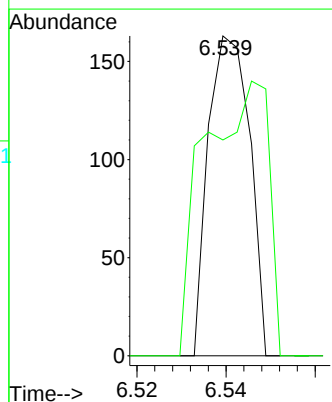
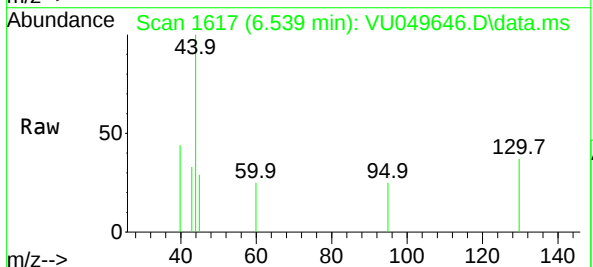
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

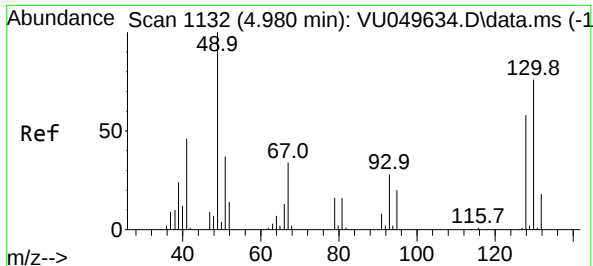
Tgt Ion: 78 Resp: 428
Ion Ratio Lower Upper
78 100
77 0.0 18.6 28.0#



#37
Trichloroethene
Concen: 0.009 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion:130 Resp: 105
Ion Ratio Lower Upper
130 100
95 67.5 83.8 125.8#





#39

Methacrylonitrile

Concen: 0.041 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.090 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBL01

Tgt Ion: 41 Resp: 173

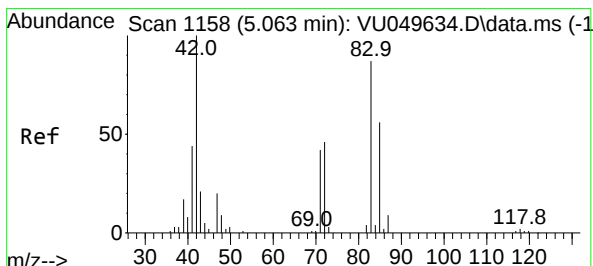
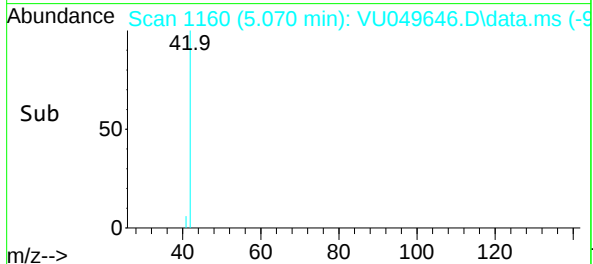
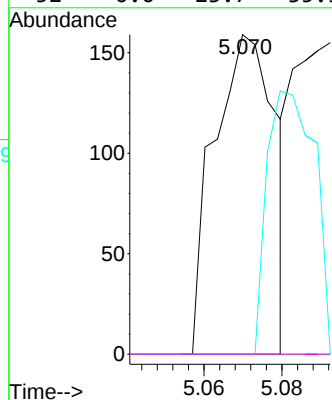
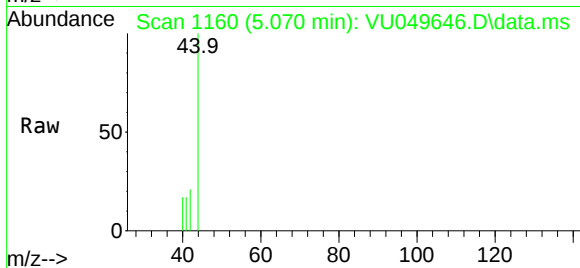
Ion Ratio Lower Upper

41 100

67 0.0 59.4 89.0#

39 64.2 42.2 63.2#

52 0.0 23.7 35.5#



#41

Tetrahydrofuran

Concen: Below Cal

RT: 5.086 min Scan# 1165

Delta R.T. 0.023 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

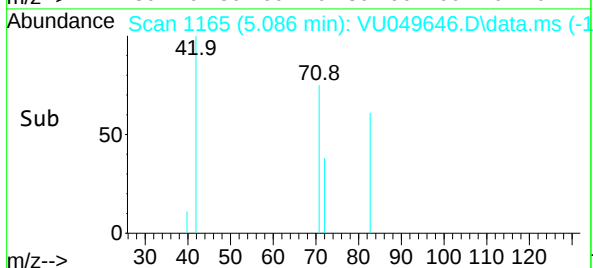
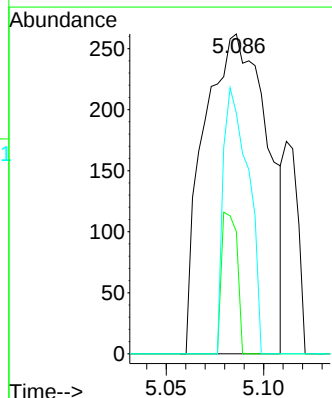
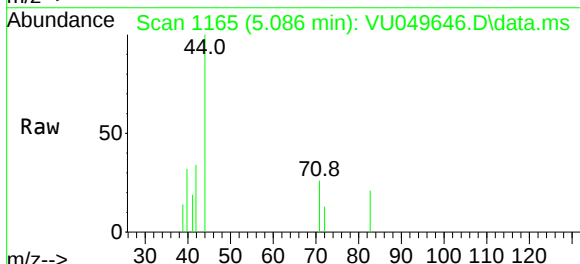
Tgt Ion: 42 Resp: 594

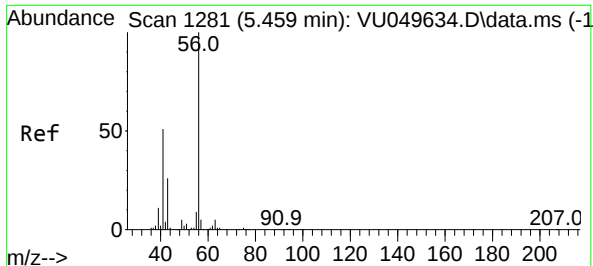
Ion Ratio Lower Upper

42 100

72 10.6 38.9 58.3#

71 32.8 33.7 50.5#





#42

1-Chlorobutane

Concen: 0.006 ug/l

RT: 5.379 min Scan# 1

Delta R.T. -0.080 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

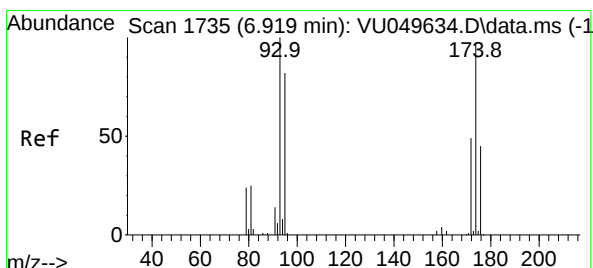
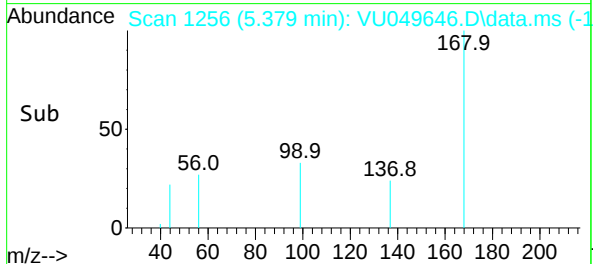
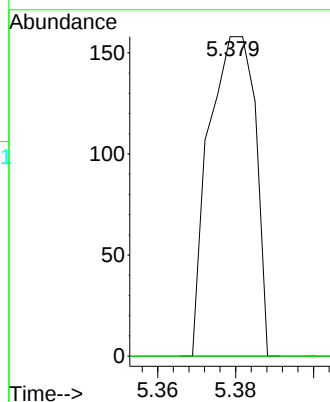
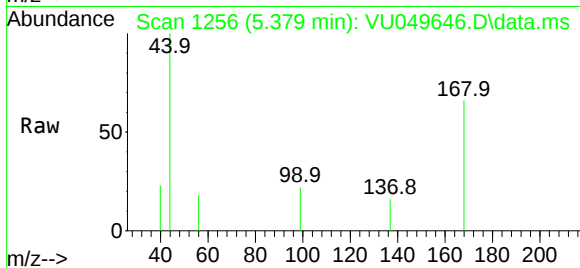
VU0707WBL01

Tgt Ion: 56 Resp: 131

Ion Ratio Lower Upper

56 100

41 36.6 26.4 79.2



#43

Dibromomethane

Concen: 0.007 ug/l

RT: 6.925 min Scan# 1737

Delta R.T. 0.007 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

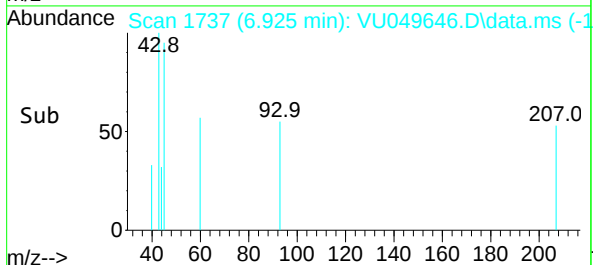
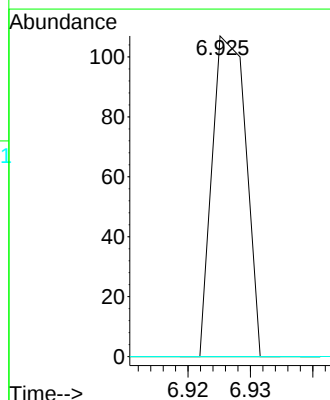
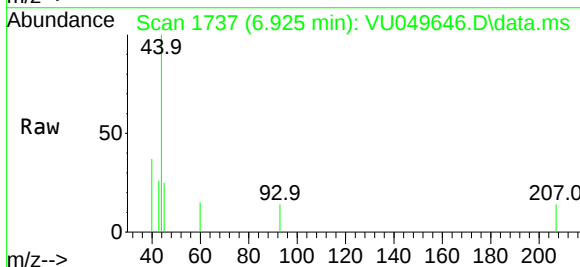
Tgt Ion: 93 Resp: 40

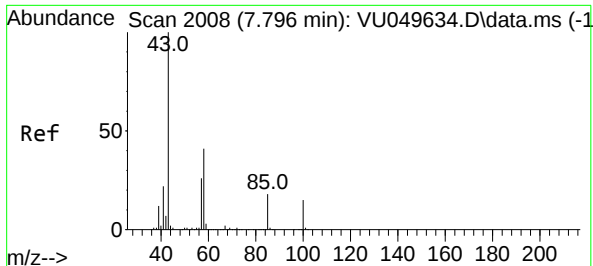
Ion Ratio Lower Upper

93 100

95 0.0 65.0 97.6#

174 0.0 76.3 114.5#





#45

4-Methyl-2-Pentanone

Concen: 0.017 ug/l

RT: 7.787 min Scan# 2005

Delta R.T. -0.009 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBL01

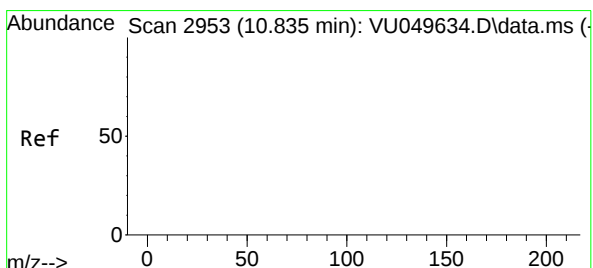
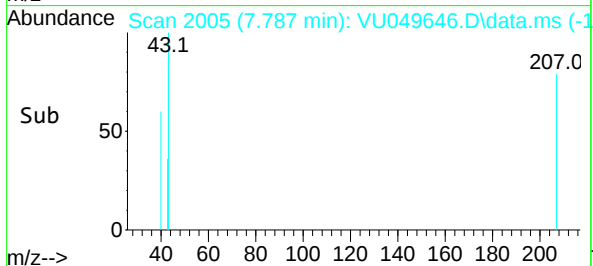
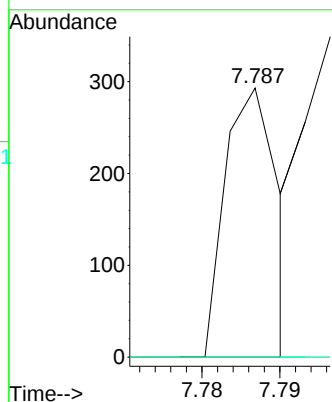
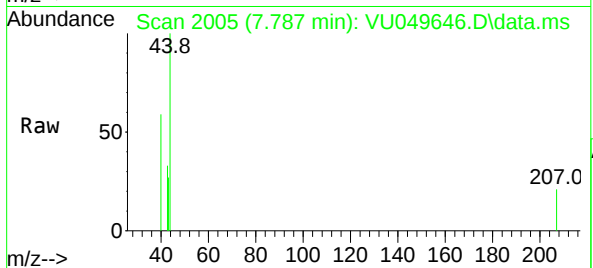
Tgt Ion: 43 Resp: 138

Ion Ratio Lower Upper

43 100

58 0.0 20.3 61.0#

85 0.0 14.6 21.8#



#46

t-1,4-Dichloro-2-butene

Concen: 2.643 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.202 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Tgt Ion: 75 Resp: 7002

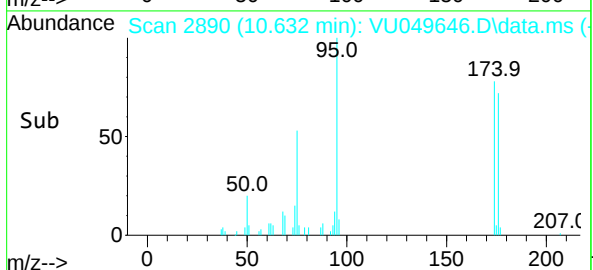
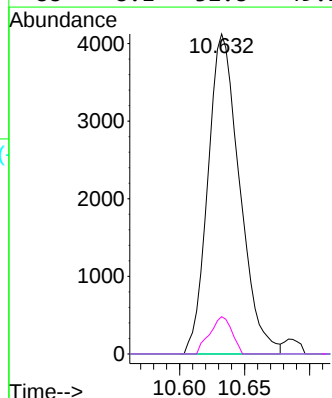
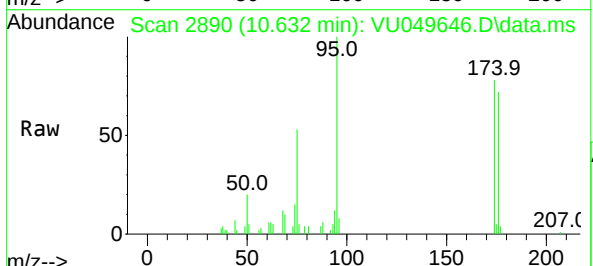
Ion Ratio Lower Upper

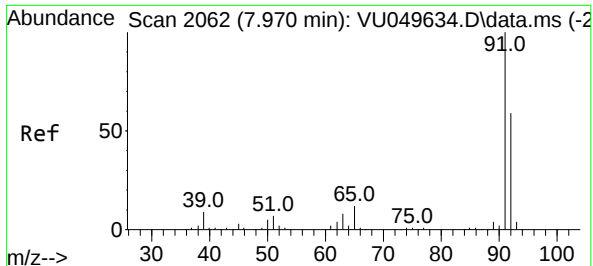
75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.2#

88 8.1 32.8 49.2#





#49

Toluene

Concen: 0.005 ug/l

RT: 7.964 min Scan# 2060

Delta R.T. -0.006 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

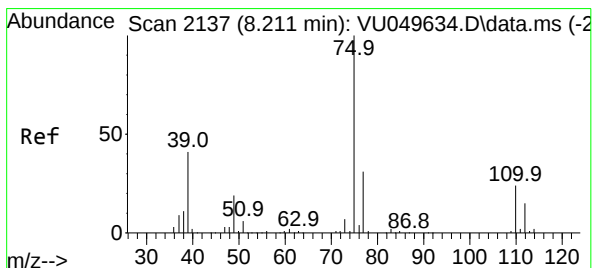
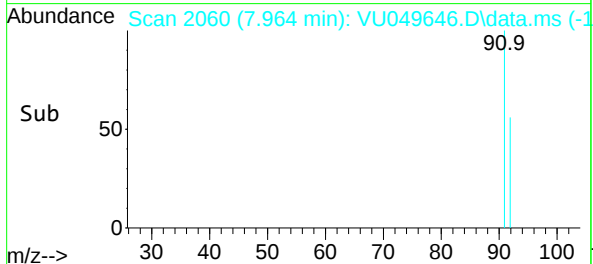
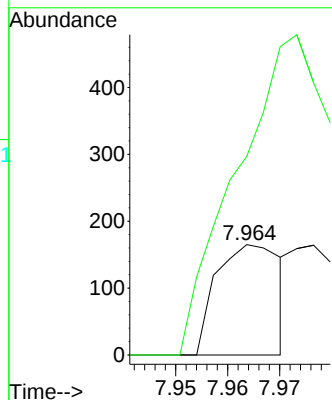
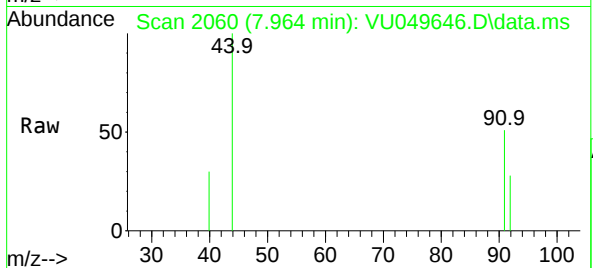
VU0707WBL01

Tgt Ion: 92 Resp: 142

Ion Ratio Lower Upper

92 100

91 463.4 138.6 207.8#



#50

t-1,3-Dichloropropene

Concen: 0.007 ug/l

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049646.D

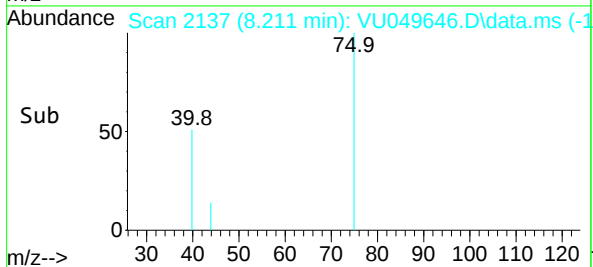
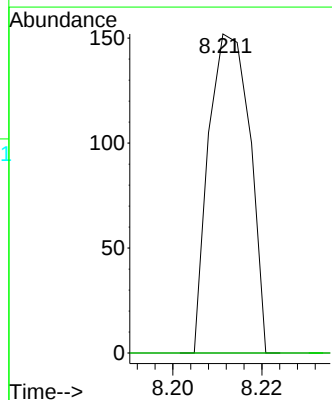
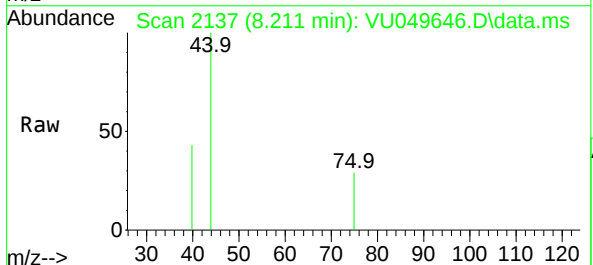
Acq: 07 Jul 2022 11:29

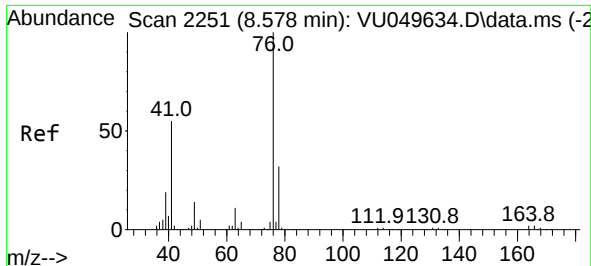
Tgt Ion: 75 Resp: 97

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#





#53

1,3-Dichloropropane

Concen: 0.004 ug/l

RT: 8.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

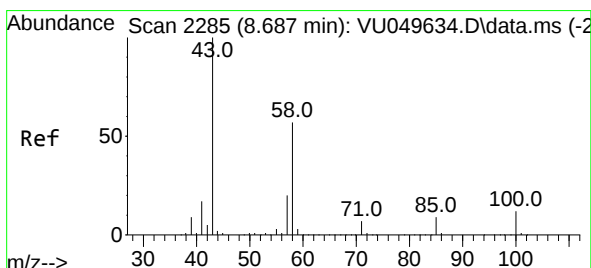
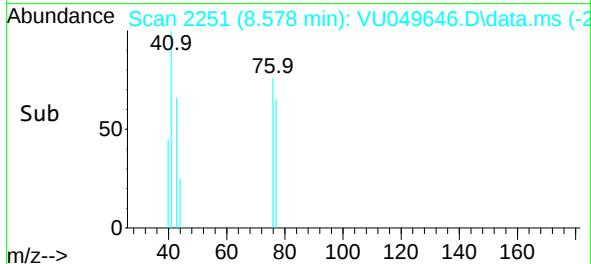
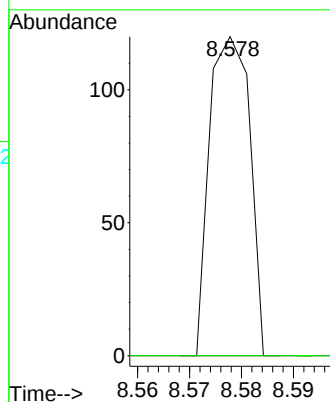
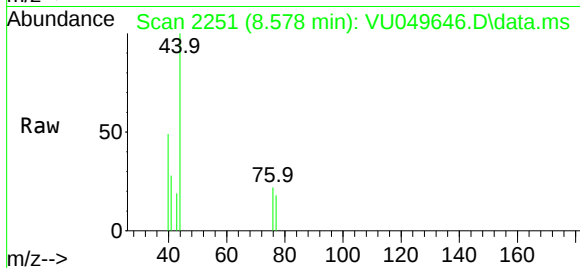
VU0707WBL01

Tgt Ion: 76 Resp: 64

Ion Ratio Lower Upper

76 100

78 70.3 26.0 39.0#



#54

2-Hexanone

Concen: 0.258 ug/l

RT: 8.706 min Scan# 2291

Delta R.T. 0.019 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

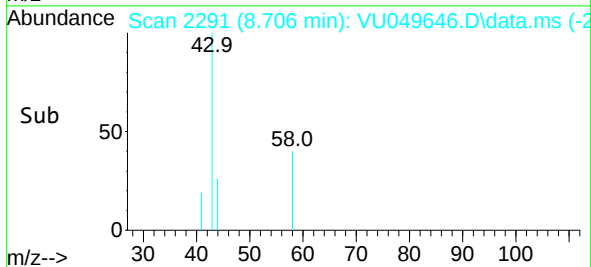
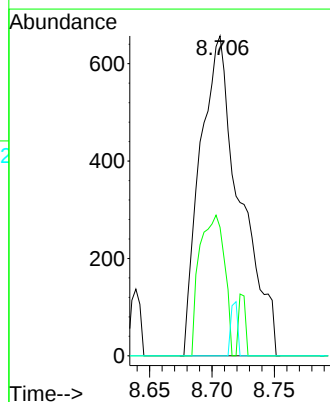
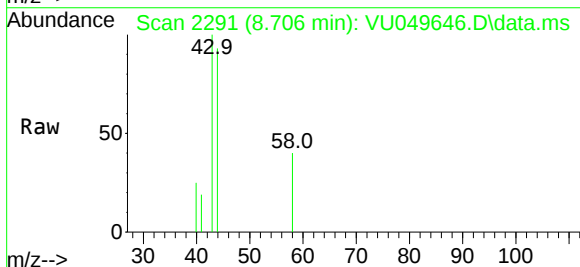
Tgt Ion: 43 Resp: 1459

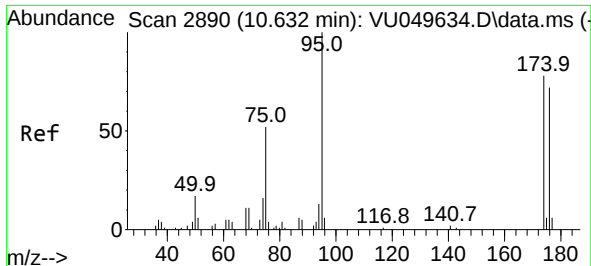
Ion Ratio Lower Upper

43 100

58 27.3 37.1 77.1#

57 0.0 0.0 39.5

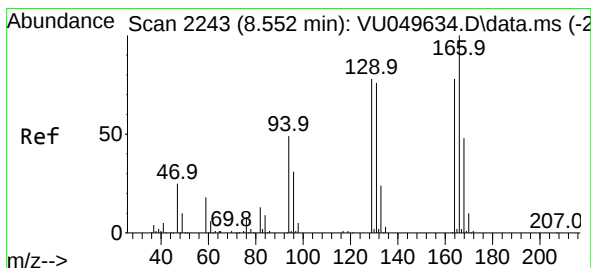
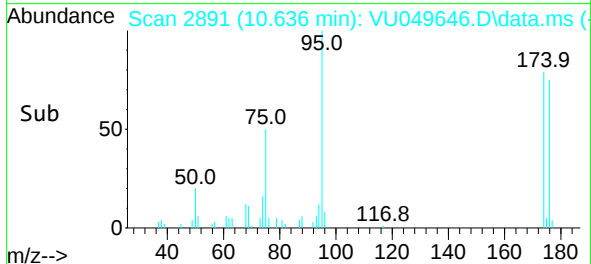
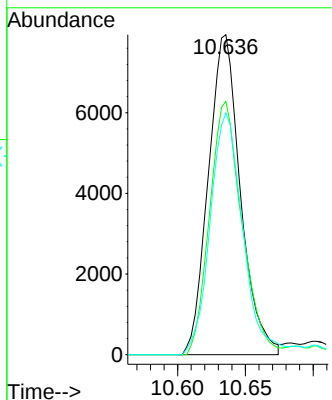
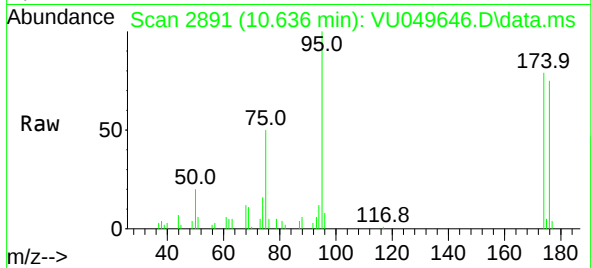




#57
4-Bromofluorobenzene
Concen: 0.853 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

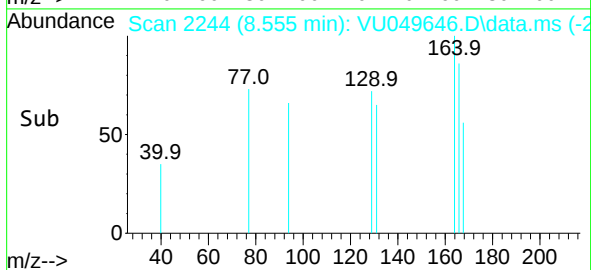
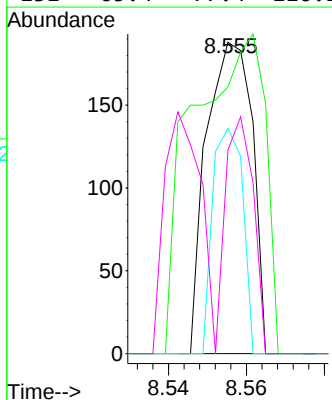
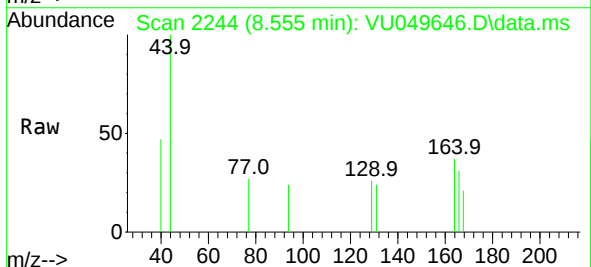
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

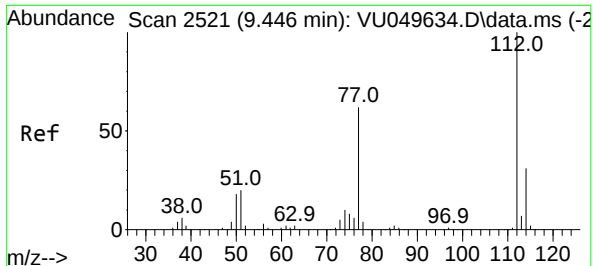
Tgt Ion: 95 Resp: 13066
Ion Ratio Lower Upper
95 100
174 79.7 62.4 93.6
176 76.7 56.2 84.2



#58
Tetrachloroethene
Concen: 0.016 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 164 Resp: 153
Ion Ratio Lower Upper
164 100
166 85.6 102.4 153.6#
129 72.3 79.5 119.3#
131 65.4 77.4 116.2#





#59

Chlorobenzene

Concen: 0.026 ug/l

RT: 9.452 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

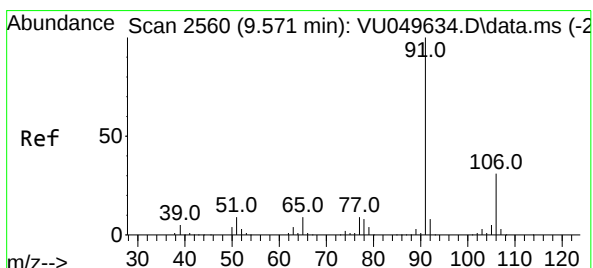
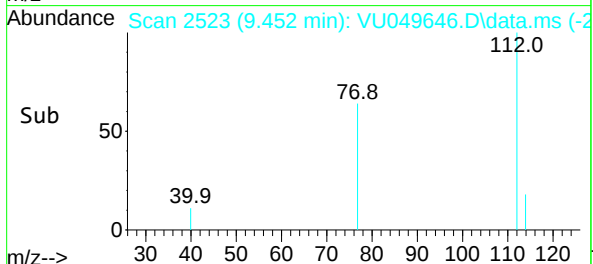
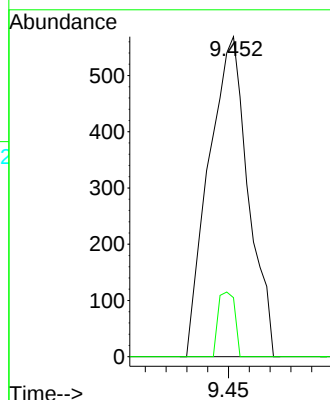
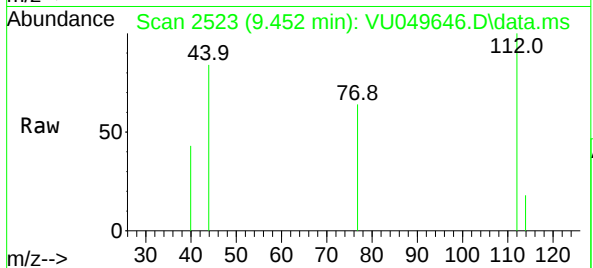
VU0707WBL01

Tgt Ion:112 Resp: 751

Ion Ratio Lower Upper

112 100

114 18.5 24.9 37.3#



#63

Ethyl Benzene

Concen: 0.017 ug/l

RT: 9.568 min Scan# 2559

Delta R.T. -0.003 min

Lab File: VU049646.D

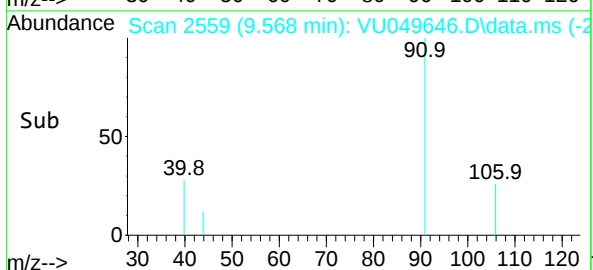
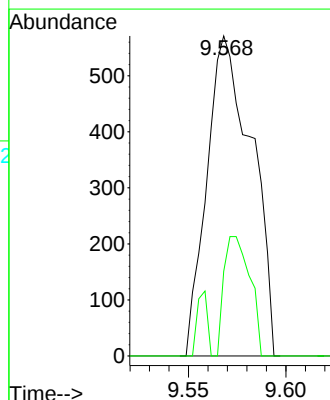
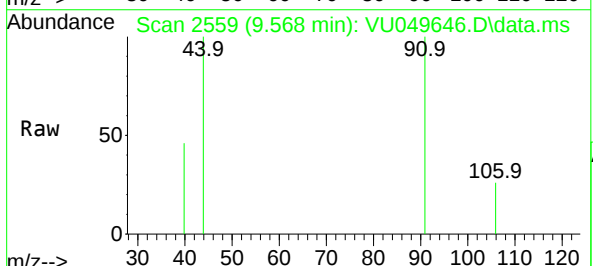
Acq: 07 Jul 2022 11:29

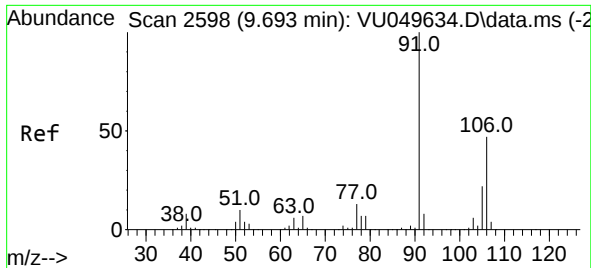
Tgt Ion: 91 Resp: 913

Ion Ratio Lower Upper

91 100

106 26.4 24.4 36.6

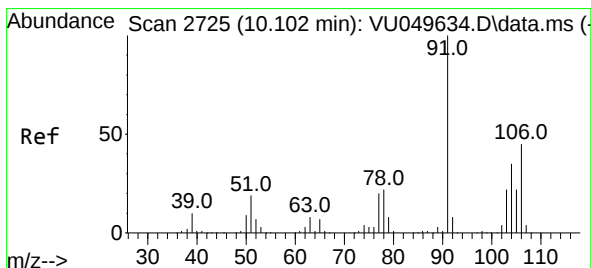
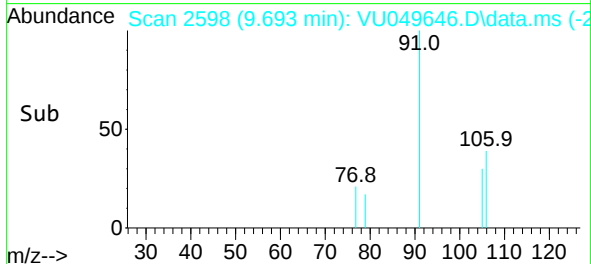
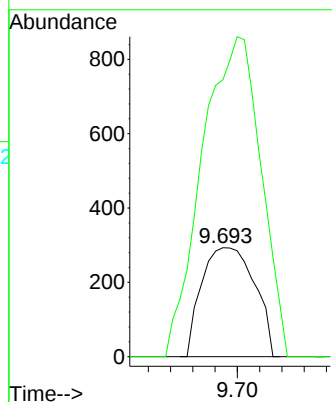
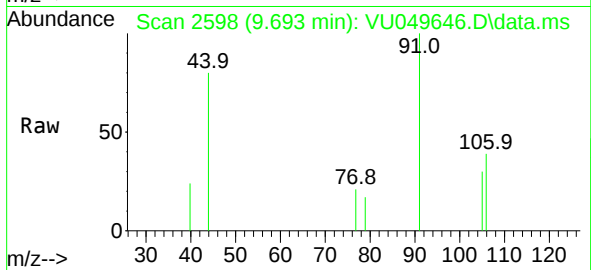




#64
m/p-Xylenes
Concen: 0.025 ug/l
RT: 9.693 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

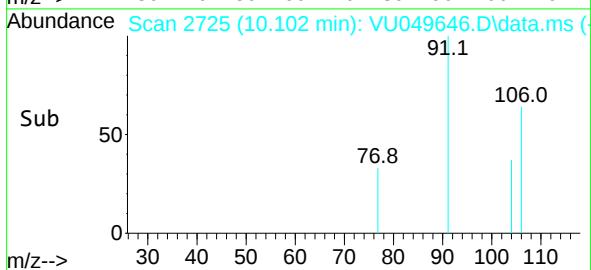
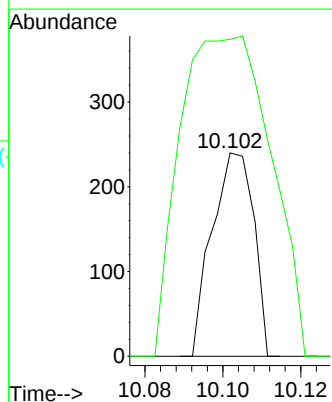
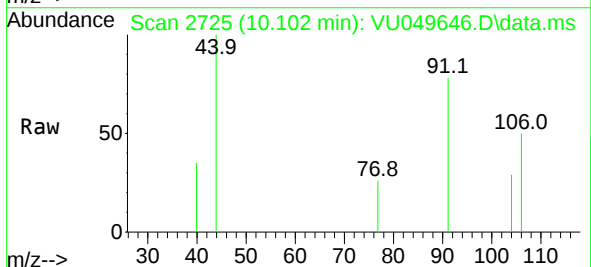
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

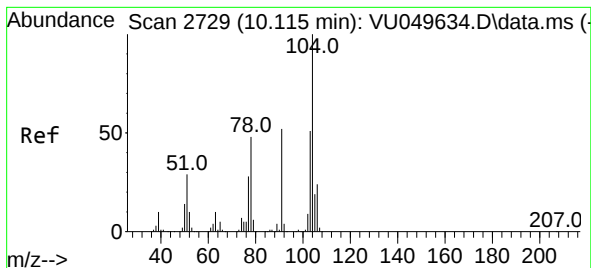
Tgt Ion:106 Resp: 485
Ion Ratio Lower Upper
106 100
91 325.2 167.8 251.6#



#65
o-Xylene
Concen: 0.009 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion:106 Resp: 179
Ion Ratio Lower Upper
106 100
91 341.3 111.1 333.2#





#66

Styrene

Concen: 0.015 ug/l

RT: 10.118 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBL01

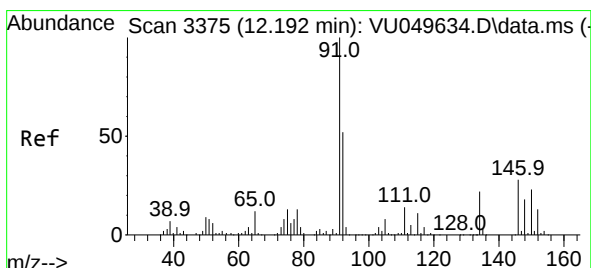
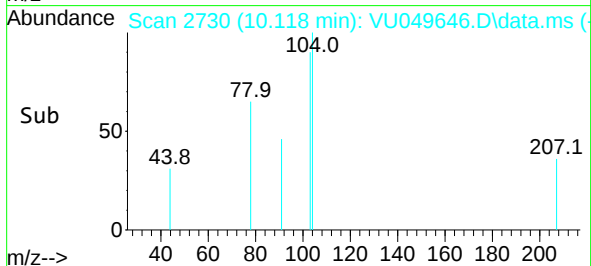
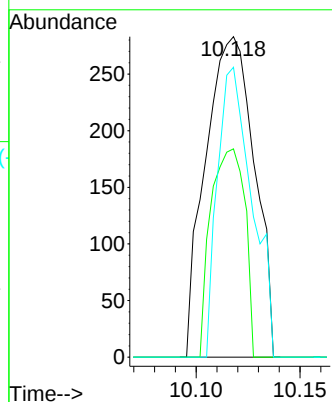
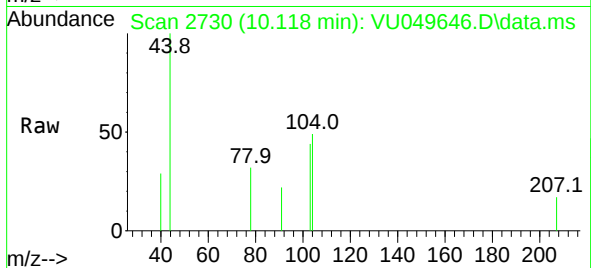
Tgt Ion:104 Resp: 462

Ion Ratio Lower Upper

104 100

78 45.2 42.1 63.1

103 63.9 44.5 66.7



#68

1,2-Dichlorobenzene-d4

Concen: 0.895 ug/l

RT: 12.195 min Scan# 3376

Delta R.T. 0.003 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

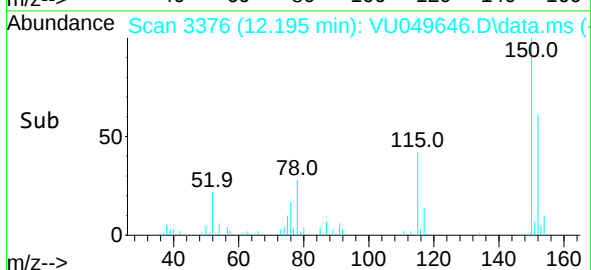
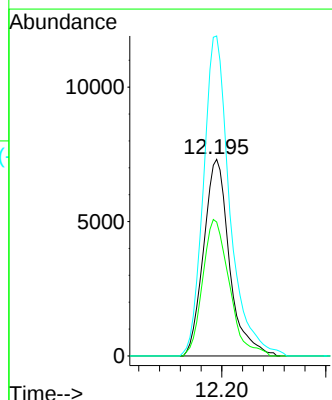
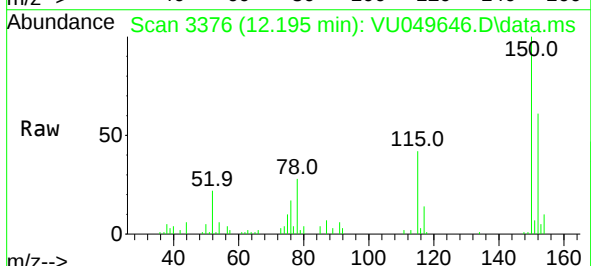
Tgt Ion:152 Resp: 12625

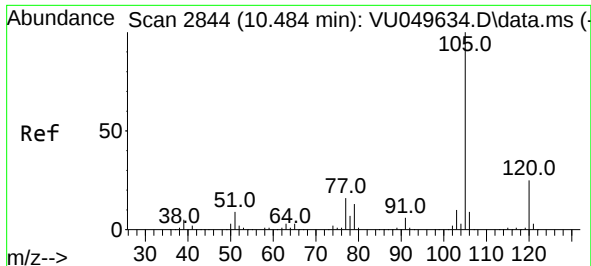
Ion Ratio Lower Upper

152 100

115 71.7 0.0 254.6

150 166.2 0.0 623.6

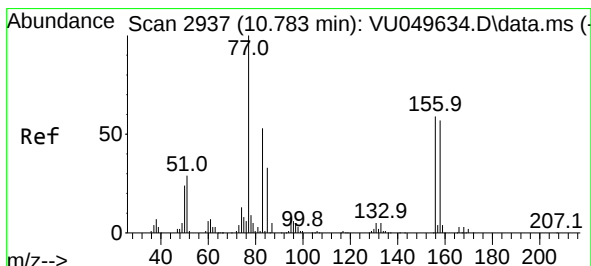
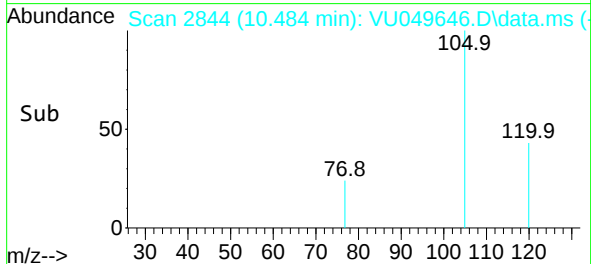
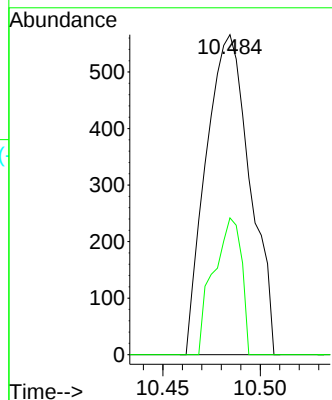
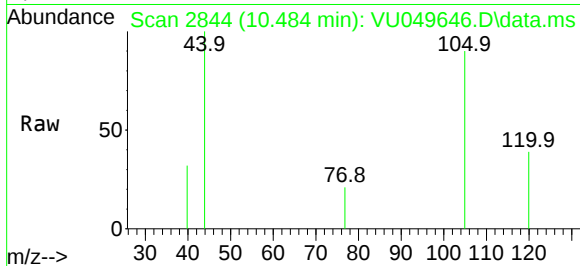




#69
Isopropylbenzene
Concen: 0.017 ug/l
RT: 10.484 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

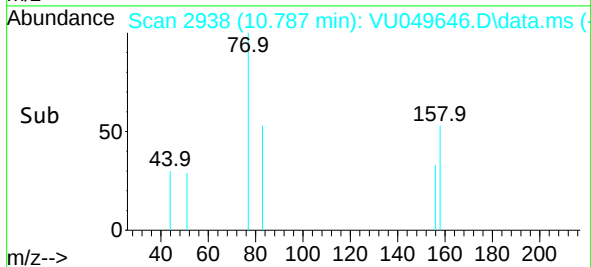
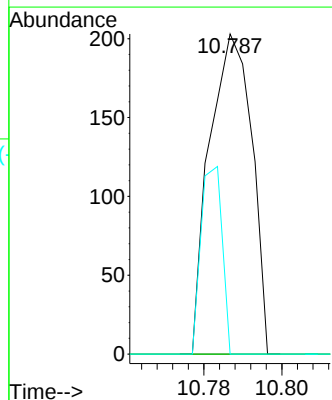
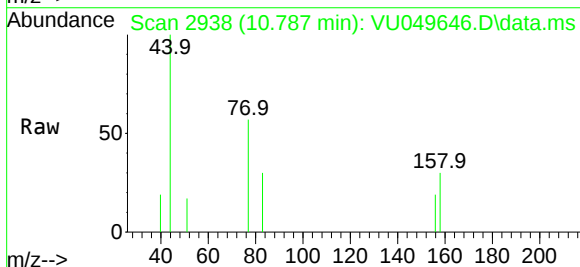
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

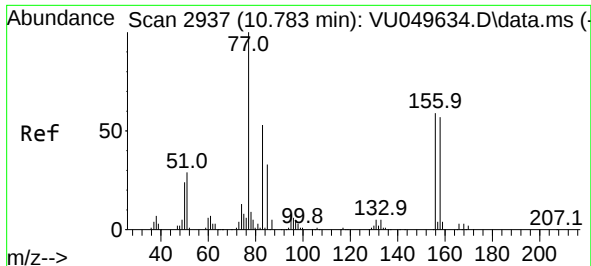
Tgt Ion:105 Resp: 887
Ion Ratio Lower Upper
105 100
120 27.2 12.6 37.8



#70
1,1,2,2-Tetrachloroethane
Concen: 0.014 ug/l
RT: 10.787 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 83 Resp: 153
Ion Ratio Lower Upper
83 100
131 0.0 7.7 11.5#
85 29.4 51.2 76.8#

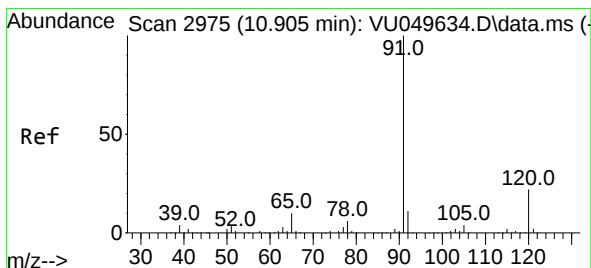
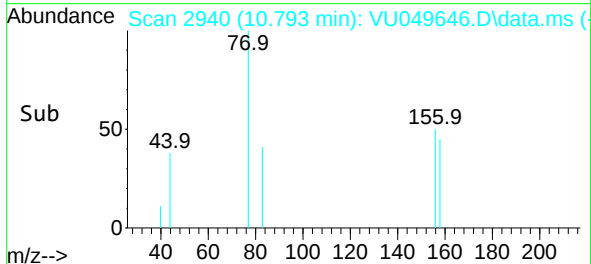
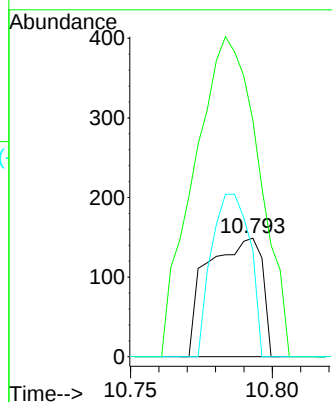
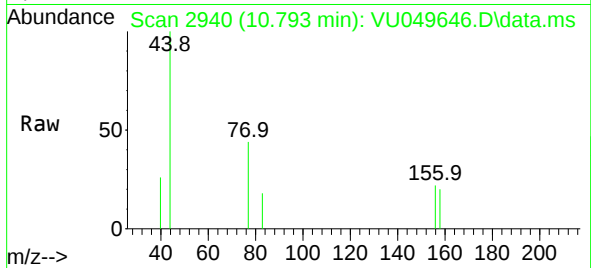




#72
Bromobenzene
Concen: 0.017 ug/l
RT: 10.793 min Scan# 2937
Delta R.T. 0.010 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

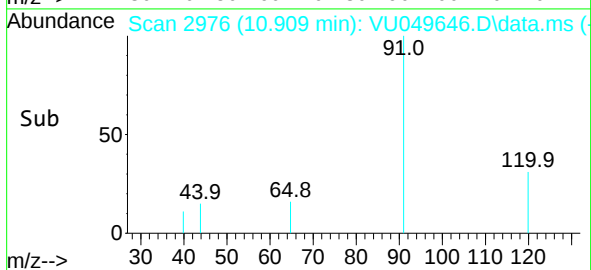
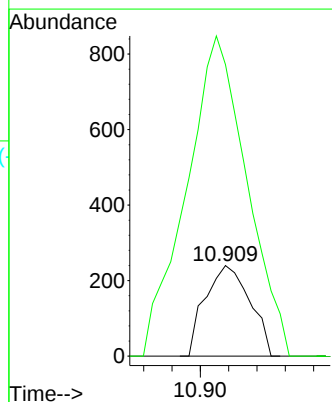
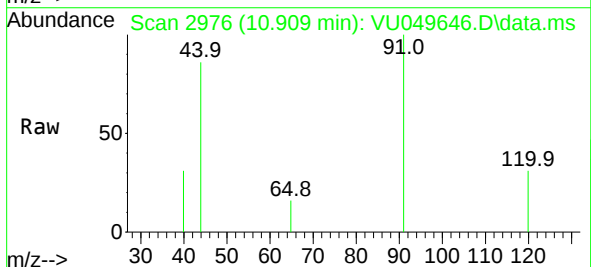
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

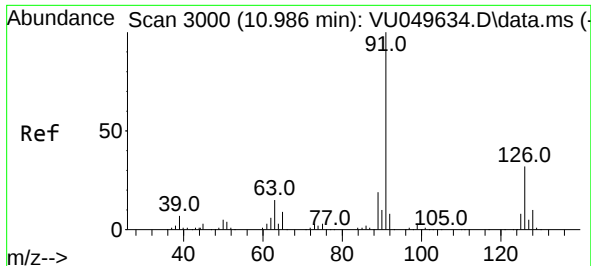
Tgt Ion	Ratio	Lower	Upper
156	100		
77	320.6	0.0	344.4
158	96.0	0.0	192.2



#73
n-propylbenzene
Concen: 0.021 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion	Ratio	Lower	Upper
120	100		
91	476.8	367.8	551.6

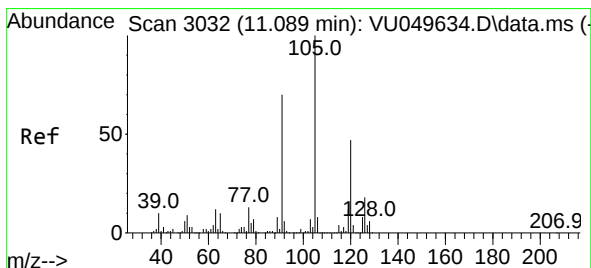
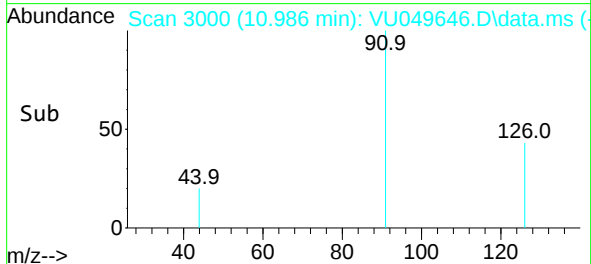
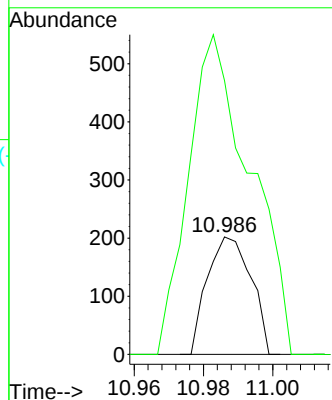
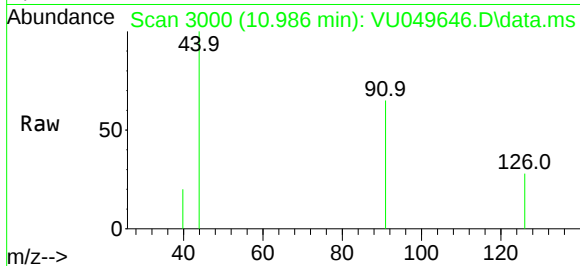




#74
2-Chlorotoluene
Concen: 0.015 ug/l
RT: 10.986 min Scan# 3000
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

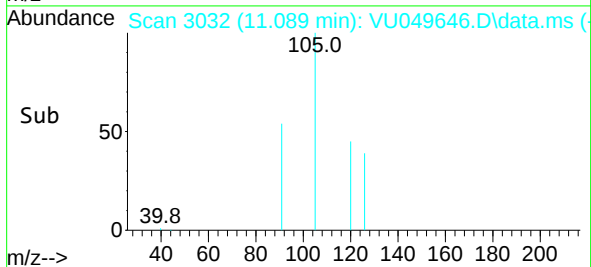
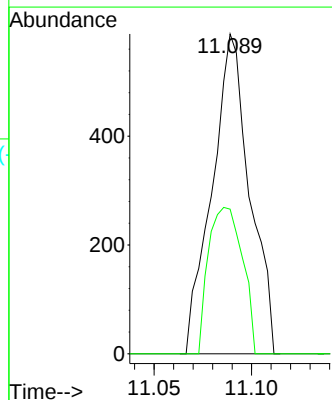
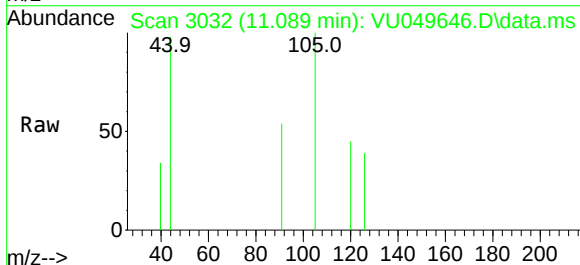
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

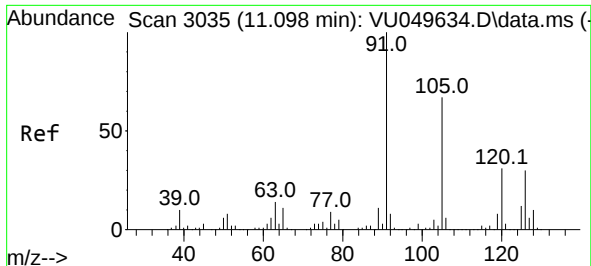
Tgt Ion:126 Resp: 177
Ion Ratio Lower Upper
126 100
91 385.3 0.0 620.6



#75
1,3,5-Trimethylbenzene
Concen: 0.019 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion:105 Resp: 790
Ion Ratio Lower Upper
105 100
120 41.3 37.6 56.4

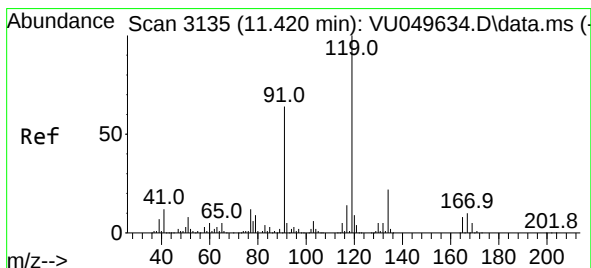
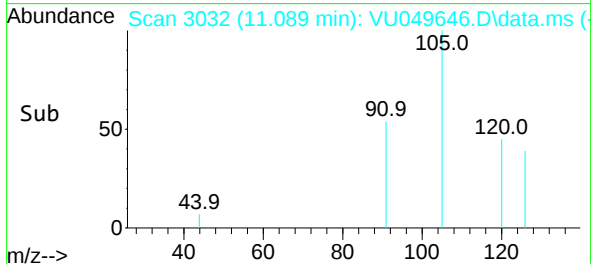
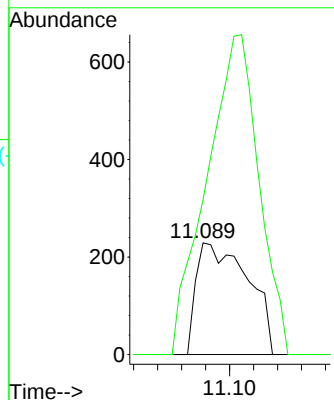
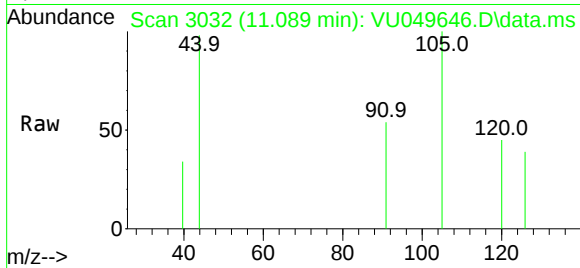




#76
4-Chlorotoluene
Concen: 0.030 ug/l
RT: 11.089 min Scan# 3035
Delta R.T. -0.009 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

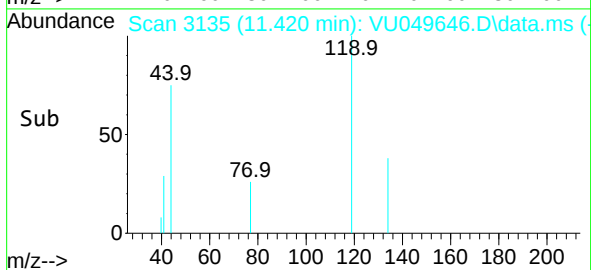
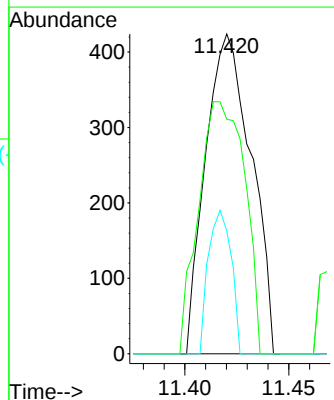
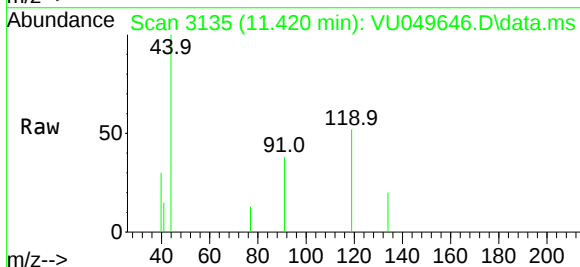
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

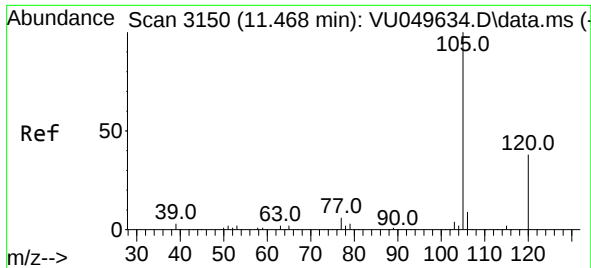
Tgt Ion:126 Resp: 344
Ion Ratio Lower Upper
126 100
91 288.1 0.0 738.8



#77
tert-Butylbenzene
Concen: 0.015 ug/l
RT: 11.420 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion:119 Resp: 647
Ion Ratio Lower Upper
119 100
91 79.4 30.4 91.3
134 22.4 17.8 26.6

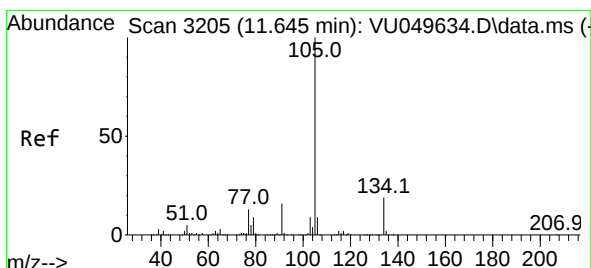
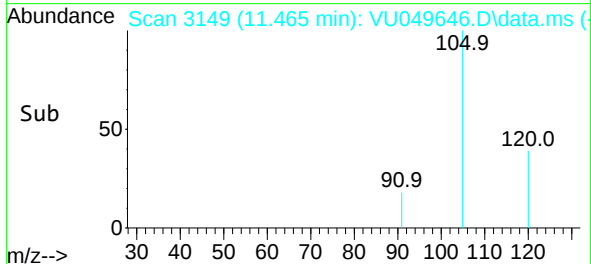
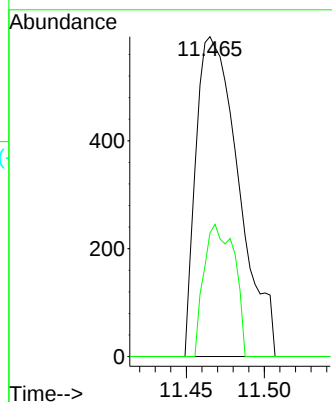
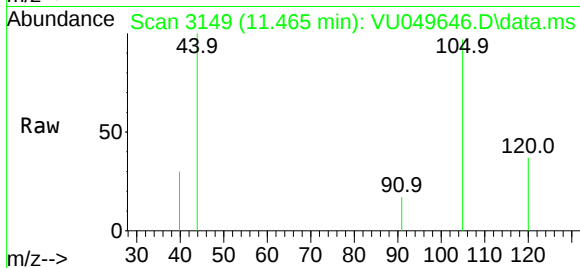




#78
1,2,4-Trimethylbenzene
Concen: 0.026 ug/l
RT: 11.465 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

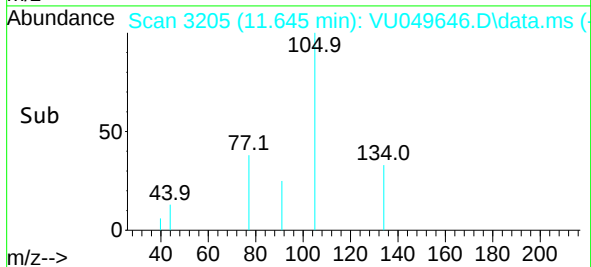
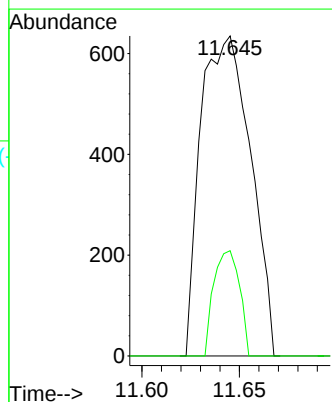
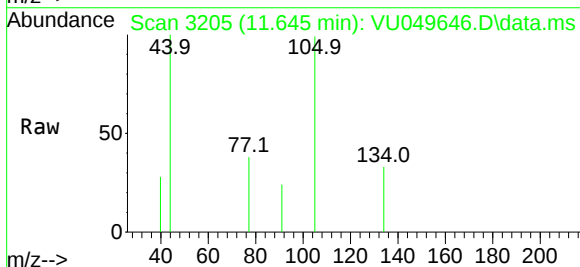
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

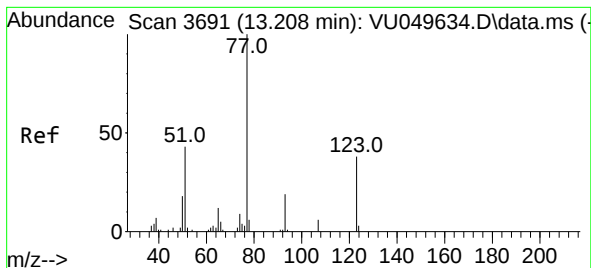
Tgt Ion:105 Resp: 1129
Ion Ratio Lower Upper
105 100
120 29.3 21.6 65.0



#79
sec-Butylbenzene
Concen: 0.021 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion:105 Resp: 1130
Ion Ratio Lower Upper
105 100
134 16.9 15.4 23.0





#80

Nitrobenzene

Concen: 0.832 ug/l

RT: 13.221 min Scan# 3695

Delta R.T. 0.013 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

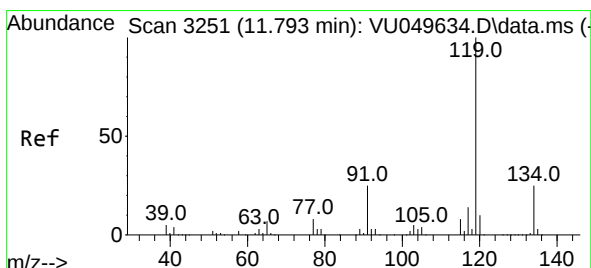
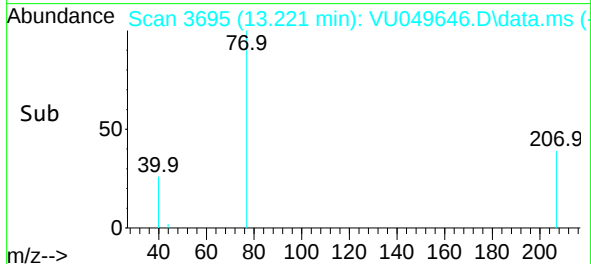
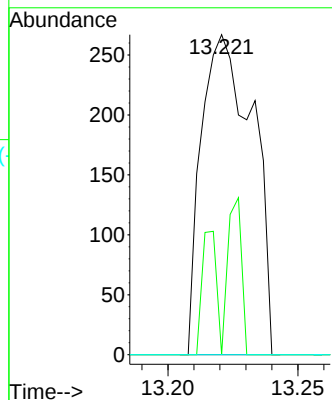
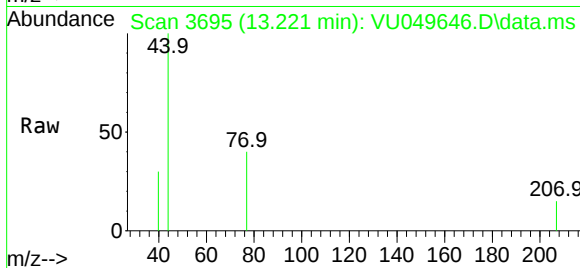
Instrument :

MSVOA_U

ClientSampleId :

VU0707WBL01

Tgt Ion: 77	Resp:	366
Ion Ratio	Lower	Upper
77	100	
123	10.9	18.1 64.3#
65	0.0	10.8 13.8#



#81

p-Isopropyltoluene

Concen: 0.021 ug/l

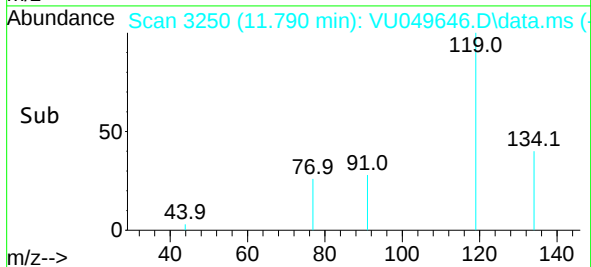
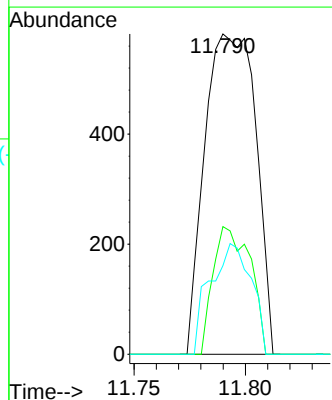
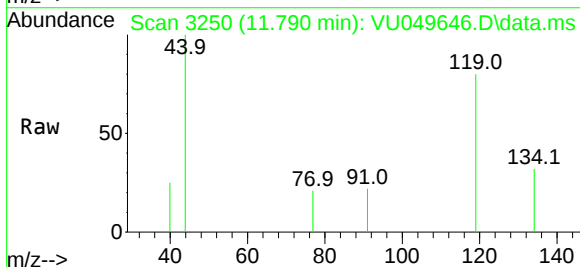
RT: 11.790 min Scan# 3250

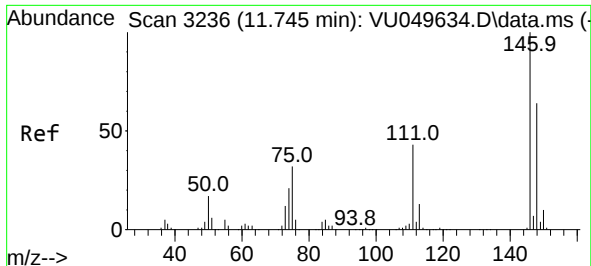
Delta R.T. -0.003 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Tgt Ion: 119	Resp:	926
Ion Ratio	Lower	Upper
119	100	
134	29.0	20.5 30.7
91	27.9	19.8 29.6





#82

1,3-Dichlorobenzene

Concen: 0.054 ug/l

RT: 11.835 min Scan# 31

Delta R.T. 0.090 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBL01

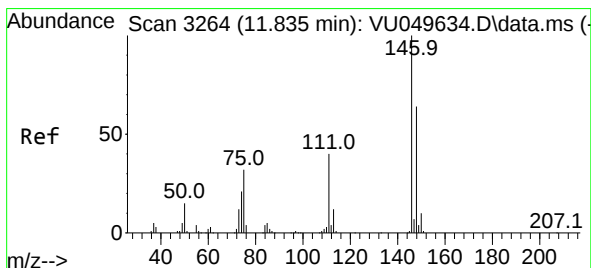
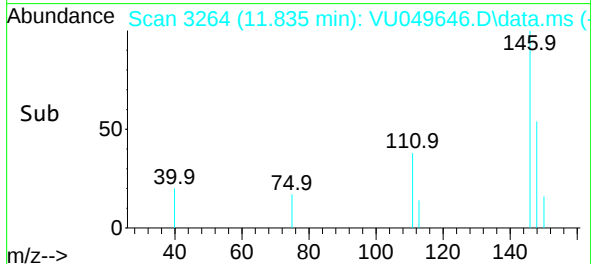
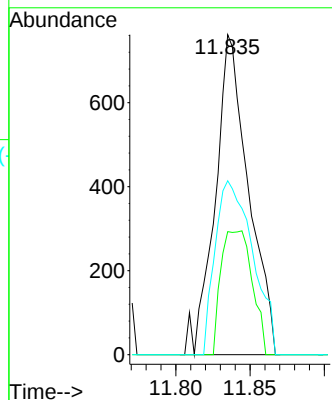
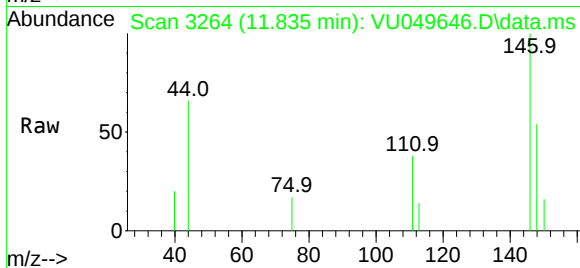
Tgt Ion:146 Resp: 1190

Ion Ratio Lower Upper

146 100

111 36.1 33.4 50.2

148 61.3 51.2 76.8



#83

1,4-Dichlorobenzene

Concen: 0.053 ug/l

RT: 11.835 min Scan# 3264

Delta R.T. 0.000 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

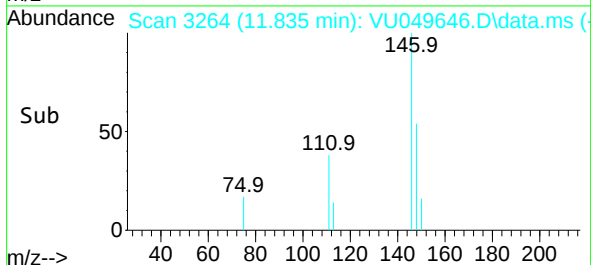
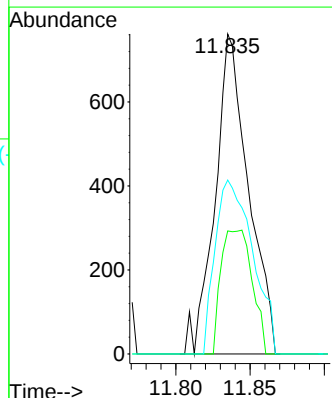
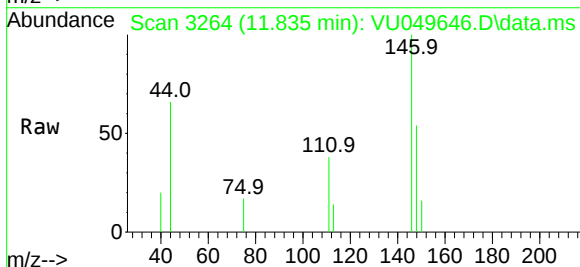
Tgt Ion:146 Resp: 1190

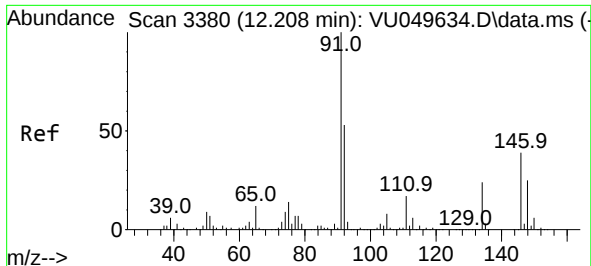
Ion Ratio Lower Upper

146 100

111 36.1 32.6 49.0

148 61.3 51.6 77.4

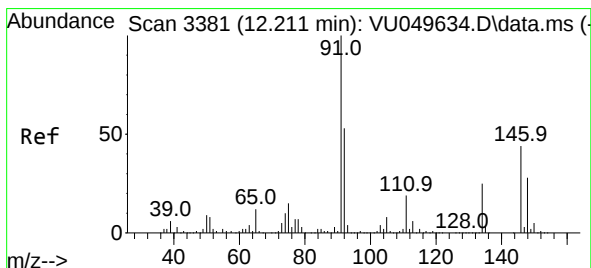
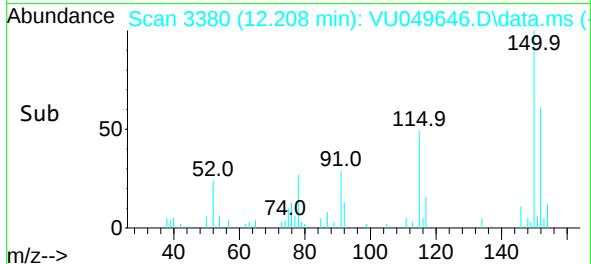
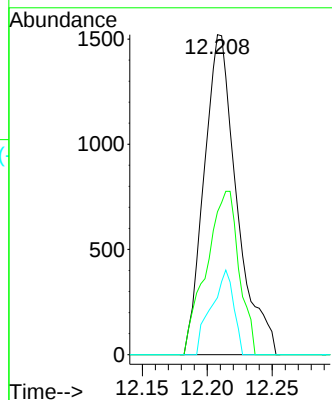
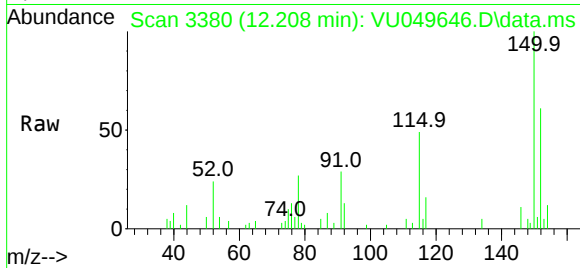




#84
n-Butylbenzene
Concen: 0.064 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

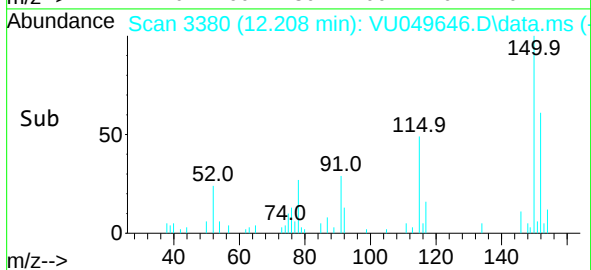
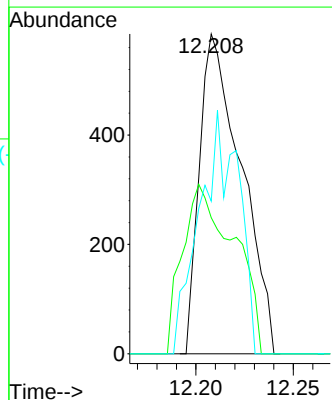
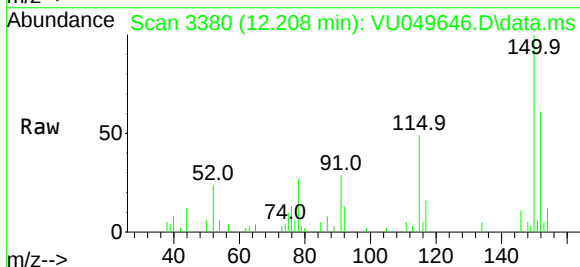
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

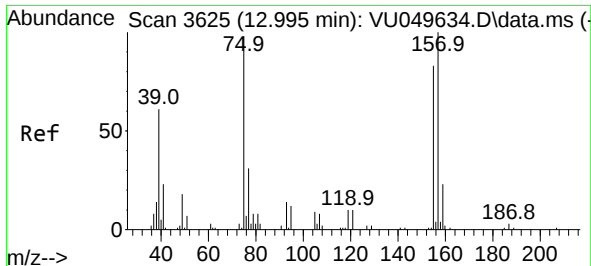
Tgt Ion: 91 Resp: 2657
Ion Ratio Lower Upper
91 100
92 51.0 42.3 63.5
134 18.0 19.6 29.4#



#85
1,2-Dichlorobenzene
Concen: 0.041 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 146 Resp: 870
Ion Ratio Lower Upper
146 100
111 65.6 22.1 66.1
148 70.8 32.1 96.3

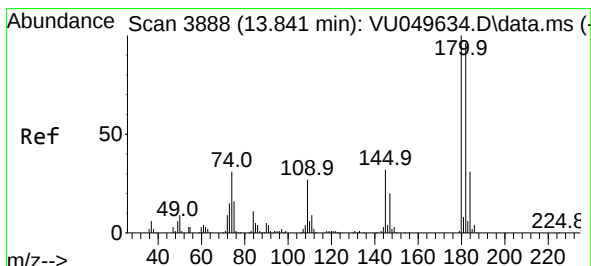
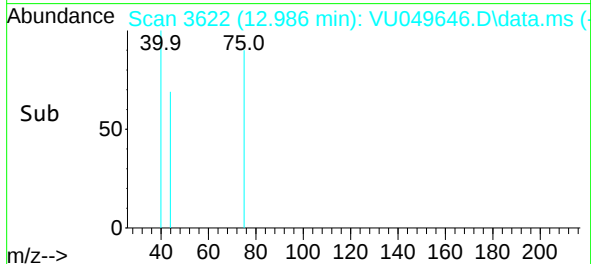
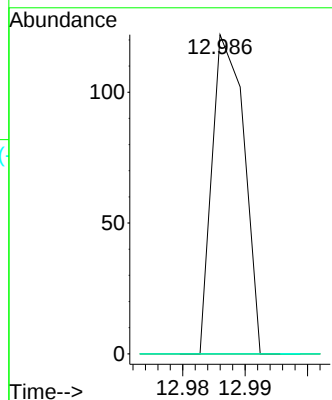
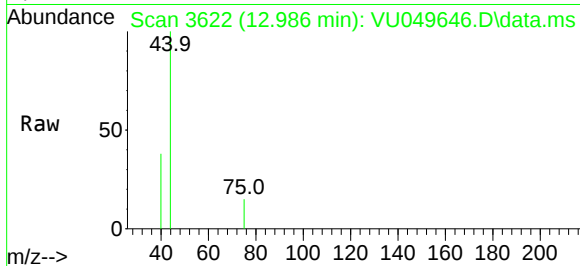




#86
1,2-Dibromo-3-Chloropropane
Concen: 0.023 ug/l
RT: 12.986 min Scan# 3622
Delta R.T. -0.009 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

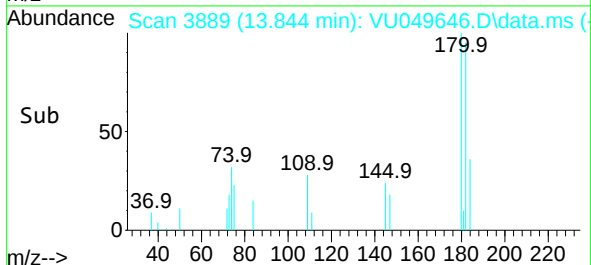
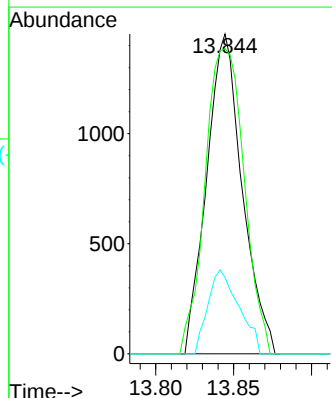
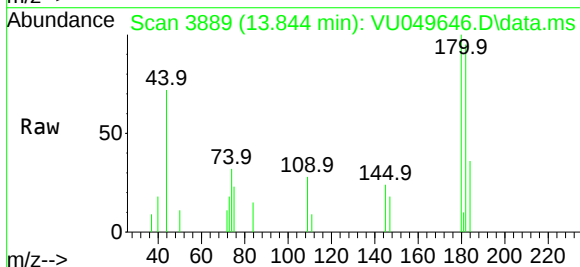
Instrument :
MSVOA_U
ClientSampleId :
VU0707WBL01

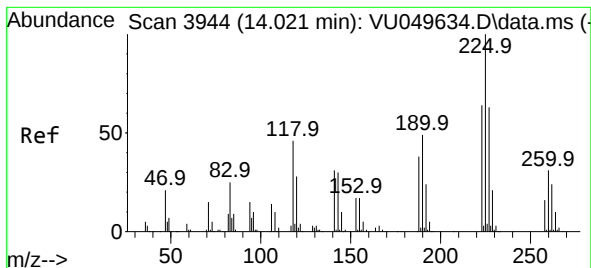
Tgt Ion: 75 Resp: 43
Ion Ratio Lower Upper
75 100
155 0.0 66.8 100.2#
157 0.0 83.8 125.8#



#87
1,2,4-Trichlorobenzene
Concen: 0.159 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU049646.D
Acq: 07 Jul 2022 11:29

Tgt Ion: 180 Resp: 2303
Ion Ratio Lower Upper
180 100
182 105.0 77.0 115.6
145 23.0 25.7 38.5#





#88

Hexachlorobutadiene

Concen: 0.081 ug/l

RT: 14.015 min Scan# 3942

Delta R.T. -0.006 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBL01

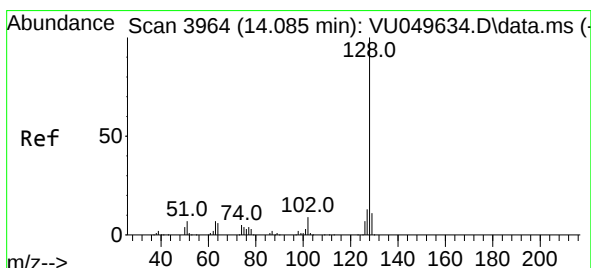
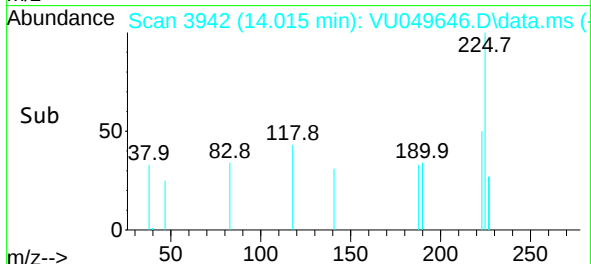
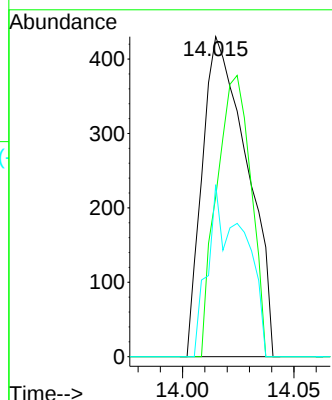
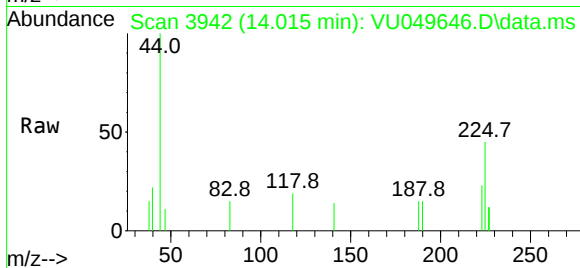
Tgt Ion:225 Resp: 599

Ion Ratio Lower Upper

225 100

223 67.3 50.6 76.0

227 24.4 50.7 76.1#



#89

Naphthalene

Concen: 0.348 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.007 min

Lab File: VU049646.D

Acq: 07 Jul 2022 11:29

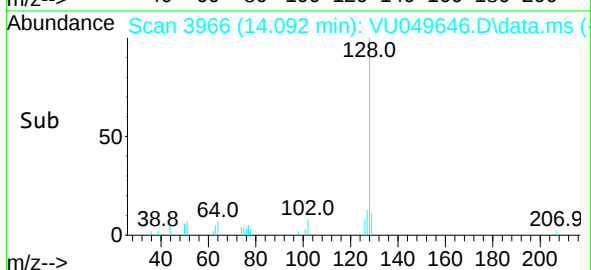
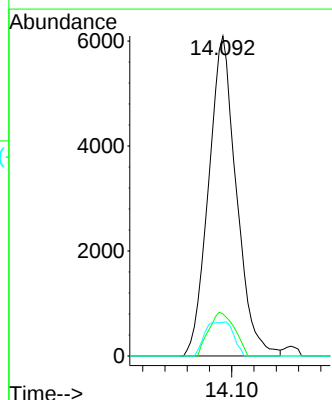
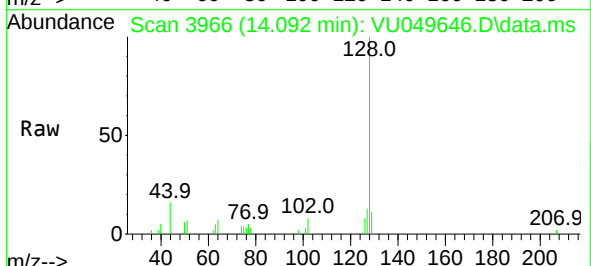
Tgt Ion:128 Resp: 10566

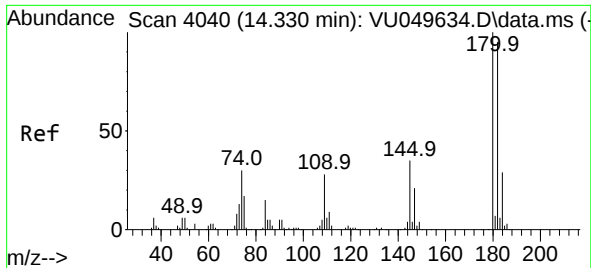
Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.8 8.6 12.8





#90

1,2,3-Trichlorobenzene

Concen: 0.217 ug/l

RT: 14.330 min Scan# 40

Delta R.T. 0.000 min

Lab File: VU049646.D

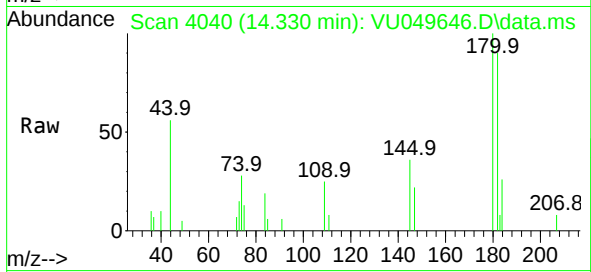
Acq: 07 Jul 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBL01



Tgt Ion:180 Resp: 2993

Ion Ratio Lower Upper

180 100

182 90.5 76.6 114.8

145 32.2 27.3 40.9

