

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
 Data File : VU051108.D
 Acq On : 04 Oct 2022 15:17
 Operator : JC/MD
 Sample : VU1004WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 05 02:48:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	52308	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	12888	0.750	ug/l	0.00
Spiked Amount 1.000			Recovery	=	75.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14634	0.766	ug/l	0.00
Spiked Amount 1.000			Recovery	=	77.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	73	0.004	ug/l	# 42
3) Chloromethane	1.520	50	1153	0.050	ug/l	93
4) Vinyl Chloride	1.604	62	187	0.009	ug/l	# 10
5) Bromomethane	1.858	94	368	0.026	ug/l	89
6) Chloroethane	1.935	64	308	0.022	ug/l	# 42
7) Trichlorofluoromethane	2.134	101	140	0.006	ug/l	# 18
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	61	0.004	ug/l	# 45
9) 1,1-Dichloroethene	2.575	96	224	0.015	ug/l	88
10) Iodomethane	2.719	142	69	0.003	ug/l	# 29
11) Allyl Chloride	2.973	41	245	0.010	ug/l	93
12) Acrylonitrile	3.327	53	136	0.029	ug/l	# 4
13) Acetone	2.652	43	759	Below Cal	#	42
14) Carbon Disulfide	2.793	76	2440	0.043	ug/l	# 79
15) Methylene Chloride	3.044	84	8182	Below Cal		92
16) trans-1,2-Dichloroethene	3.356	96	330	0.019	ug/l	# 49
18) 2-Butanone	4.745	43	99	Below Cal		75
19) Cyclohexane	5.459	56	163	0.008	ug/l	# 42
20) Methylcyclohexane	6.767	83	230	0.012	ug/l	# 43
22) cis-1,2-Dichloroethene	4.658	96	48	0.003	ug/l	# 1
23) Diethyl Ether	2.391	59	22	0.002	ug/l	# 1
24) tert-Butyl Alcohol	3.179	59	1122	1.773	ug/l	# 73
25) Methyl tert-Butyl Ether	3.372	73	219	0.005	ug/l	# 1
27) Chloroform	5.083	83	155	0.005	ug/l	88
29) 1,1-Dichloropropene	5.536	75	69	0.004	ug/l	# 42
30) Carbon Tetrachloride	5.520	117	40	0.002	ug/l	# 85
31) Isopropyl Ether	4.006	45	163	0.004	ug/l	96
33) Tert-Amyl methyl ether	6.112	73	592	0.019	ug/l	# 54
35) Benzene	5.780	78	678	0.011	ug/l	# 52
36) 1,2-Dichloroethane	5.803	62	64	0.003	ug/l	# 75
37) Trichloroethene	6.549	130	206	0.013	ug/l	# 48
39) Methacrylonitrile	5.076	41	79	0.017	ug/l	# 23
41) Tetrahydrofuran	5.102	42	157	0.065	ug/l	# 31
42) 1-Chlorobutane	5.459	56	163	0.006	ug/l	# 62
43) Dibromomethane	6.922	93	44	0.005	ug/l	# 5
44) Bromodichloromethane	7.102	83	132	0.006	ug/l	# 86
45) 4-Methyl-2-Pentanone	7.806	43	1102	0.113	ug/l	# 45
46) t-1,4-Dichloro-2-butene	10.632	75	6651	2.070	ug/l	# 23
48) Ethyl methacrylate	8.346	69	102	0.008	ug/l	# 18
49) Toluene	7.967	92	394	0.011	ug/l	# 62
50) t-1,3-Dichloropropene	8.221	75	254	0.015	ug/l	# 73
52) 1,1,2-Trichloroethane	8.398	97	21	0.002	ug/l	# 35
53) 1,3-Dichloropropane	8.584	76	325	0.015	ug/l	# 82
54) 2-Hexanone	8.700	43	925	0.134	ug/l	89

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

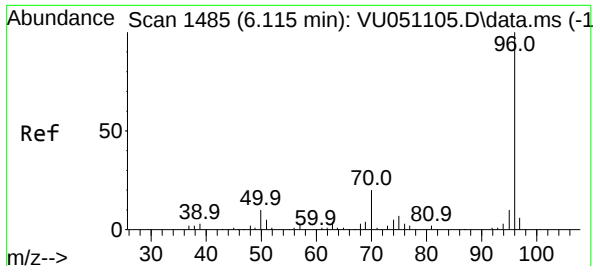
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 05 02:48:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

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

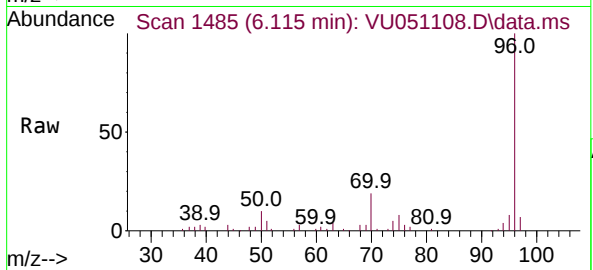
55) Dibromochloromethane	8.809	129	55	0.004	ug/l #	52
58) Tetrachloroethene	8.555	164	582	0.037	ug/l #	78
59) Chlorobenzene	9.449	112	789	0.021	ug/l #	44
63) Ethyl Benzene	9.574	91	1075	0.018	ug/l	95
64) m/p-Xylenes	9.703	106	488	0.892	ug/l	89
65) o-Xylene	10.099	106	19	0.001	ug/l #	1
66) Styrene	10.124	104	608	0.501	ug/l #	70
69) Isopropylbenzene	10.488	105	820	0.484	ug/l	87
70) 1,1,2,2-Tetrachloroethane	10.787	83	235	0.014	ug/l #	61
71) 1,2,3-Trichloropropane	10.632	75	6651	0.477	ug/l #	35
72) Bromobenzene	10.793	156	270	0.018	ug/l	78
73) n-propylbenzene	10.899	120	72	0.535	ug/l #	1
74) 2-Chlorotoluene	10.989	126	181	0.012	ug/l	73
75) 1,3,5-Trimethylbenzene	11.086	105	587	0.485	ug/l	94
76) 4-Chlorotoluene	10.989	126	181	0.387	ug/l	98
77) tert-Butylbenzene	11.417	119	454	0.010	ug/l #	63
78) 1,2,4-Trimethylbenzene	11.471	105	800	0.504	ug/l #	54
79) sec-Butylbenzene	11.642	105	930	0.449	ug/l #	73
80) Nitrobenzene	13.224	77	144	Below Cal	#	42
81) p-Isopropyltoluene	11.793	119	695	0.555	ug/l #	73
82) 1,3-Dichlorobenzene	11.751	146	910	0.029	ug/l #	80
83) 1,4-Dichlorobenzene	11.844	146	1188	0.038	ug/l #	83
84) n-Butylbenzene	12.211	91	1473	0.604	ug/l #	61
85) 1,2-Dichlorobenzene	12.211	146	967	0.031	ug/l	95
87) 1,2,4-Trichlorobenzene	13.844	180	1469	0.447	ug/l #	89
88) Hexachlorobutadiene	14.024	225	444	0.041	ug/l	91
89) Naphthalene	14.092	128	5012	0.165	ug/l #	89
90) 1,2,3-Trichlorobenzene	14.330	180	1627	0.426	ug/l #	88

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

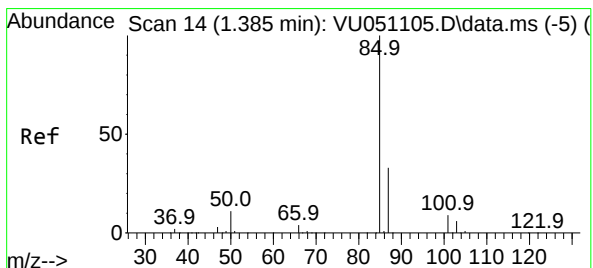
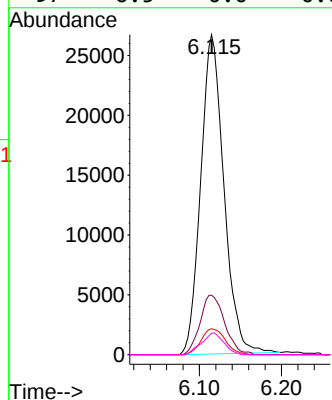
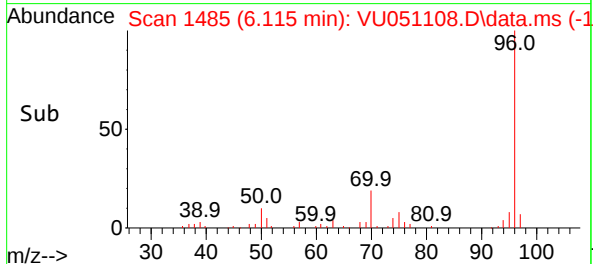


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.115 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Instrument :
MSVOA_U
ClientSampleId :

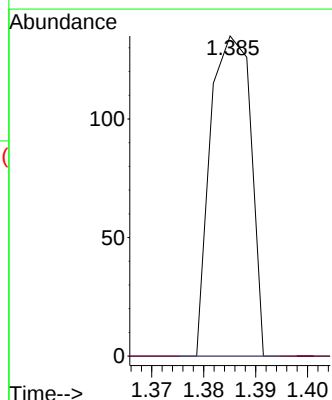
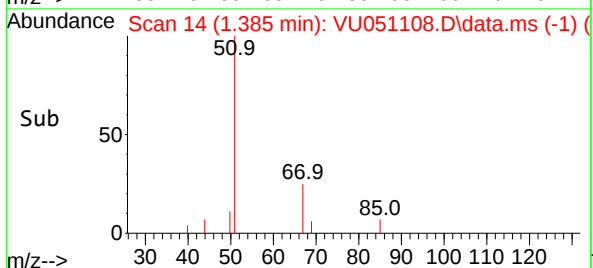
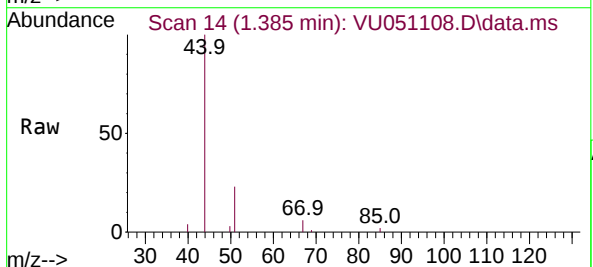


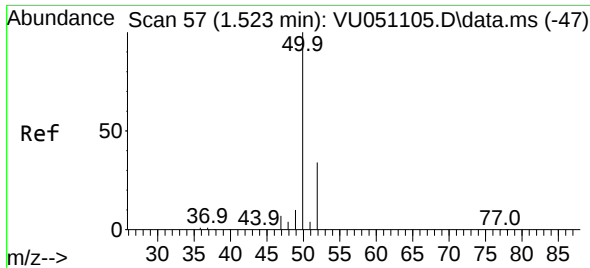
Tgt Ion: 96 Resp: 52308
Ion Ratio Lower Upper
96 100
70 19.8 16.7 25.1
95 8.5 7.4 11.0
97 6.5 0.0 0.0#



#2
Dichlorodifluoromethane
Concen: 0.004 ug/l
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 85 Resp: 73
Ion Ratio Lower Upper
85 100
87 0.0 16.3 48.8#

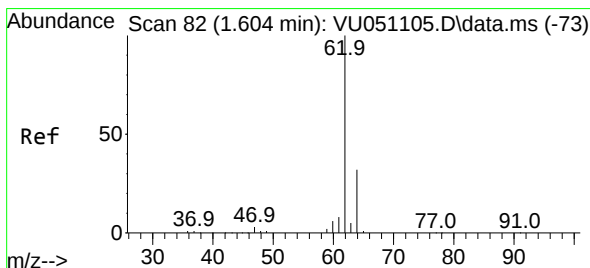
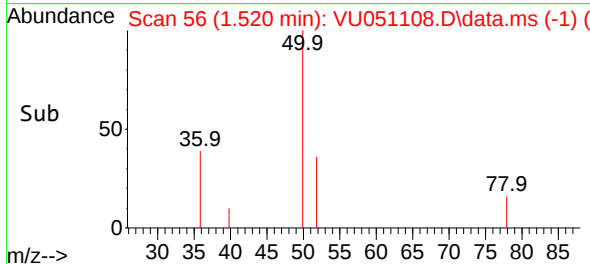
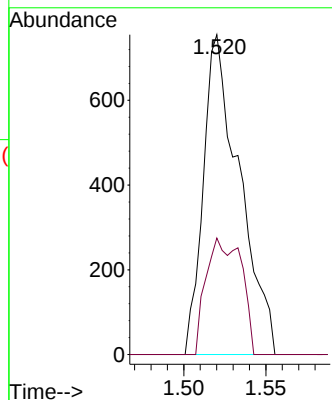
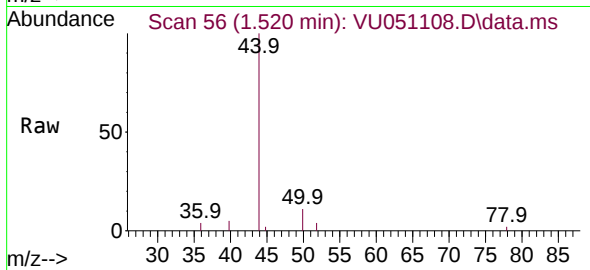




#3
Chloromethane
Concen: 0.050 ug/l
RT: 1.520 min Scan# 50
Delta R.T. -0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

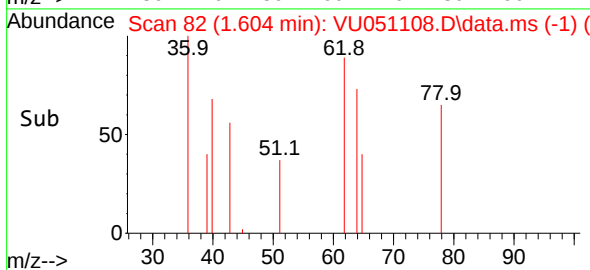
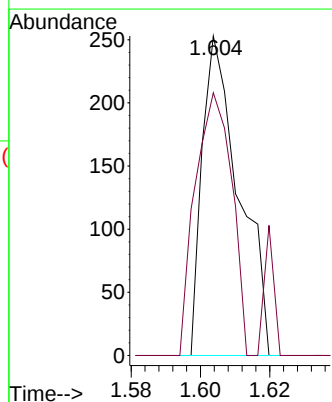
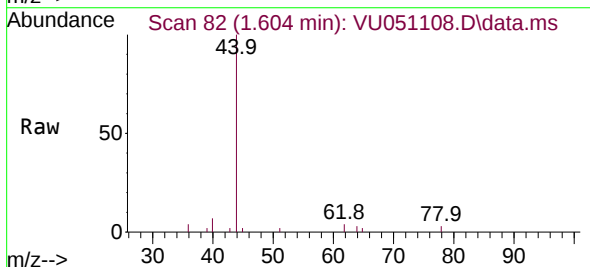
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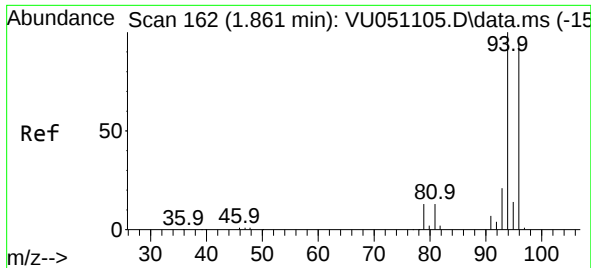
Tgt Ion: 50 Resp: 1153
Ion Ratio Lower Upper
50 100
52 36.4 26.1 39.1



#4
Vinyl Chloride
Concen: 0.009 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 62 Resp: 187
Ion Ratio Lower Upper
62 100
64 82.2 25.5 38.3#

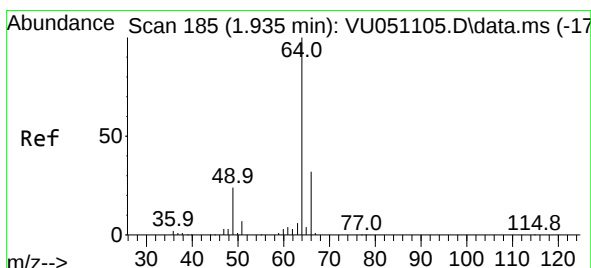
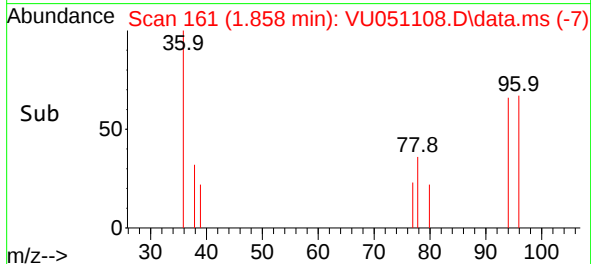
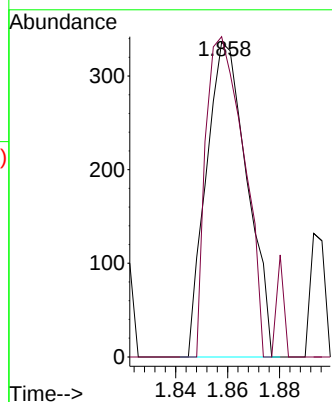
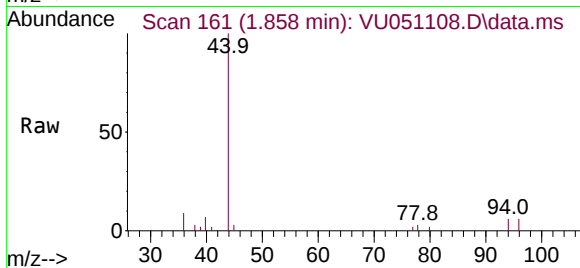




#5
Bromomethane
Concen: 0.026 ug/l
RT: 1.858 min Scan# 161
Delta R.T. -0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

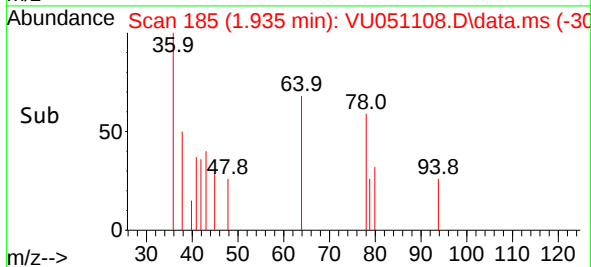
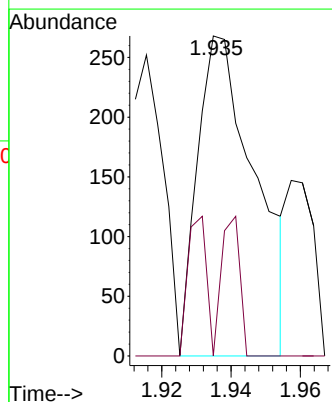
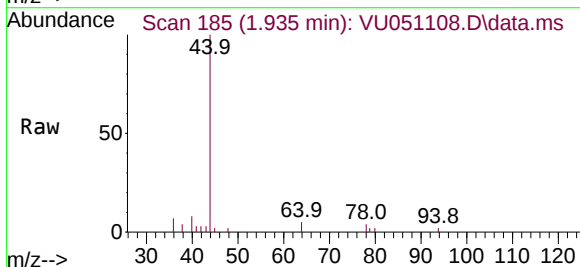
Instrument :
MSVOA_U
ClientSampleId :

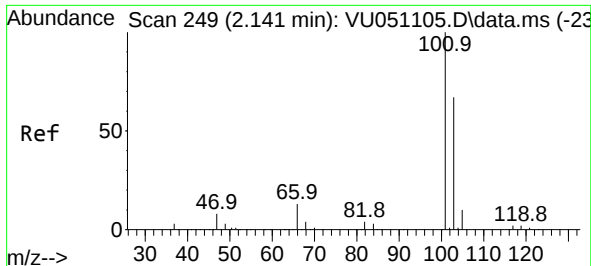
Tgt Ion: 94 Resp: 368
Ion Ratio Lower Upper
94 100
96 101.8 73.0 109.6



#6
Chloroethane
Concen: 0.022 ug/l
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 64 Resp: 308
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#

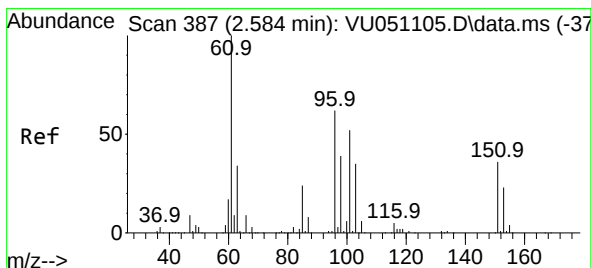
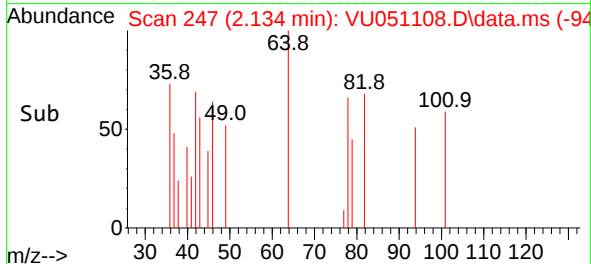
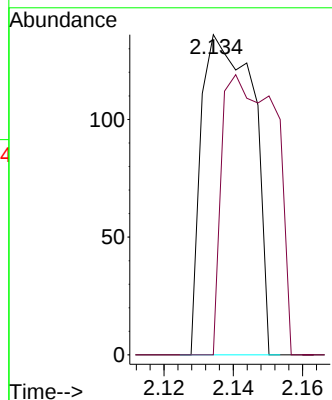
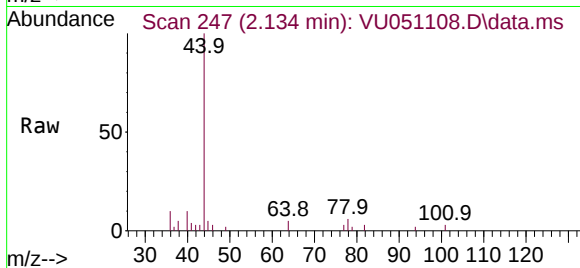




#7
Trichlorofluoromethane
Concen: 0.006 ug/l
RT: 2.134 min Scan# 249
Delta R.T. -0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

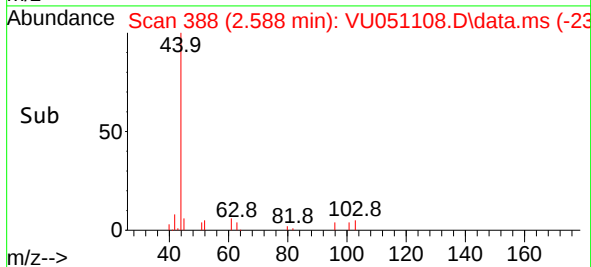
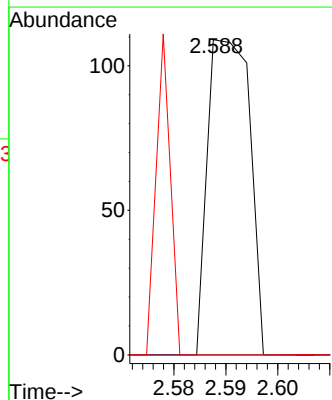
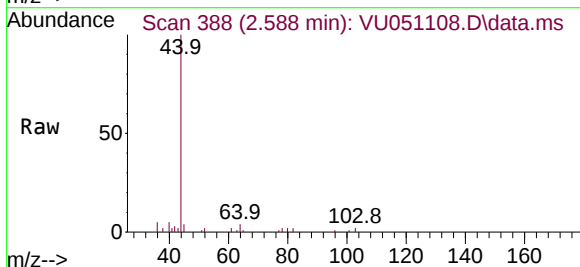
Instrument :
MSVOA_U
ClientSampleId :

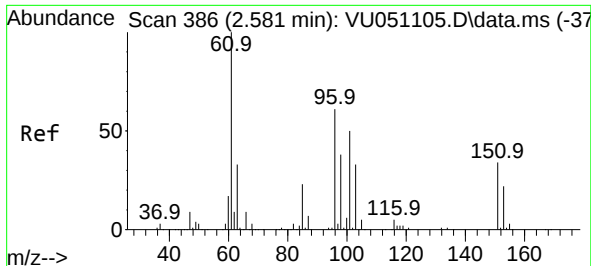
Tgt Ion:101 Resp: 140
Ion Ratio Lower Upper
101 100
103 0.0 51.8 77.6#



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.004 ug/l
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion:101 Resp: 61
Ion Ratio Lower Upper
101 100
85 0.0 36.4 54.6#
151 34.4 59.1 88.7#

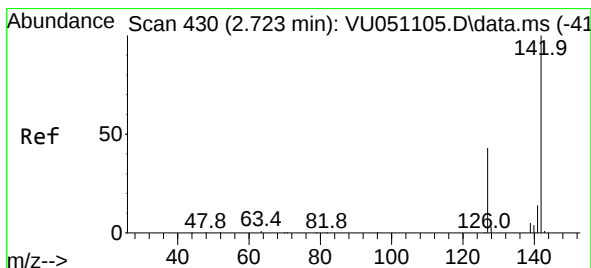
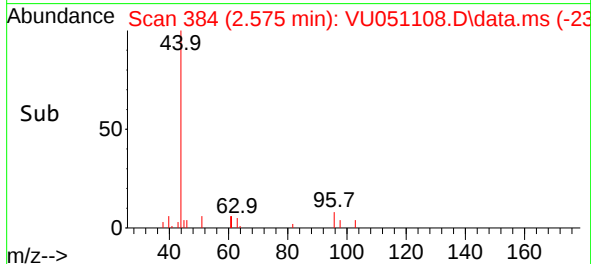
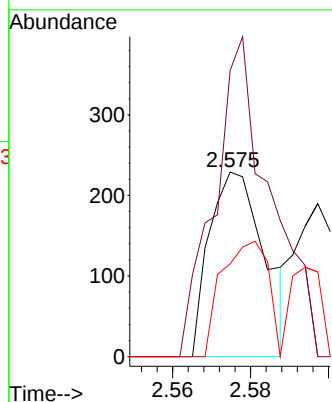
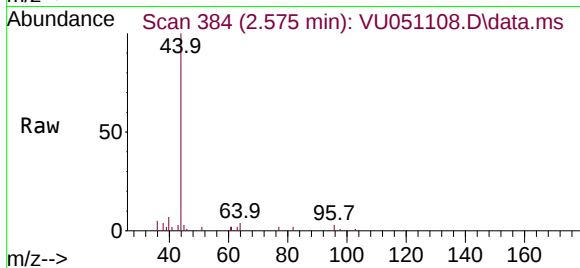




#9
1,1-Dichloroethene
Concen: 0.015 ug/l
RT: 2.575 min Scan# 386
Delta R.T. -0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

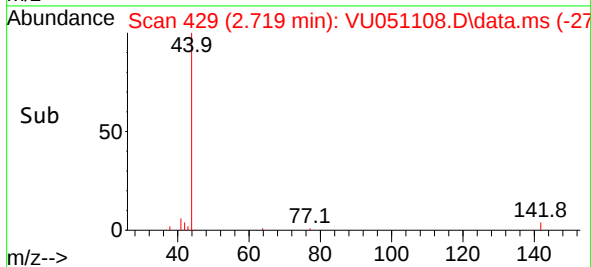
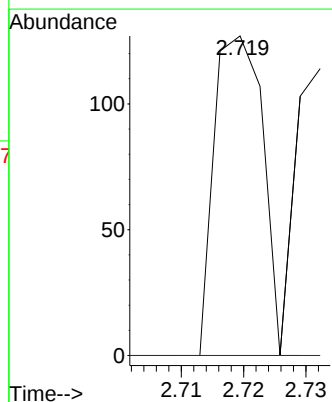
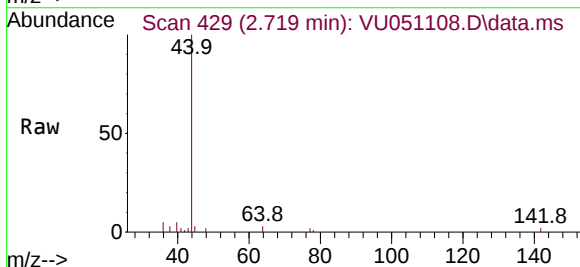
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MSVOA_U
ClientSampleId :

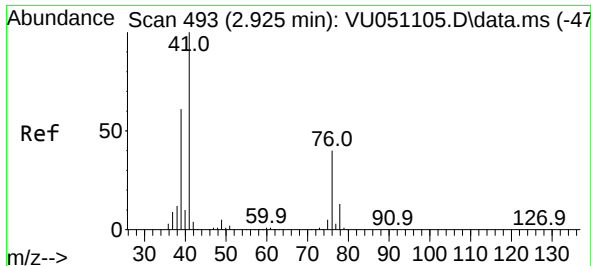
Tgt Ion: 96 Resp: 224
Ion Ratio Lower Upper
96 100
61 155.0 0.0 510.6
98 50.2 0.0 124.6



#10
Iodomethane
Concen: 0.003 ug/l
RT: 2.719 min Scan# 429
Delta R.T. -0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

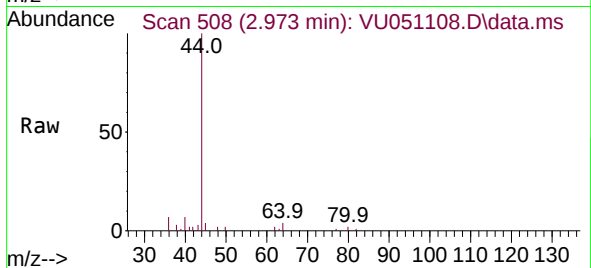
Tgt Ion: 142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 38.2 57.2#



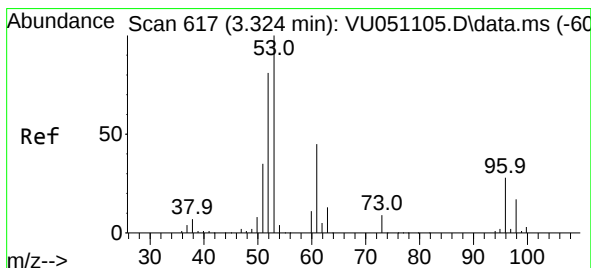
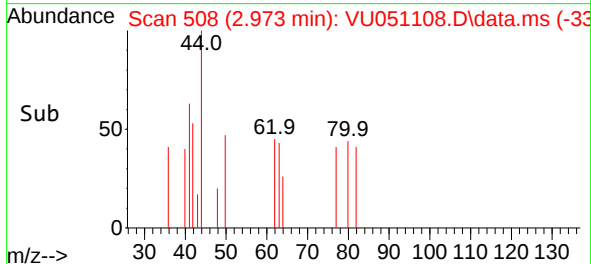
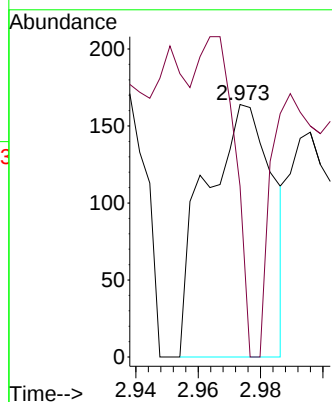


#11
 Allyl Chloride
 Concen: 0.010 ug/l
 RT: 2.973 min Scan# 50
 Delta R.T. 0.048 min
 Lab File: VU051108.D
 Acq: 04 Oct 2022 15:17

Instrument :
 MSVOA_U
 ClientSampleId :

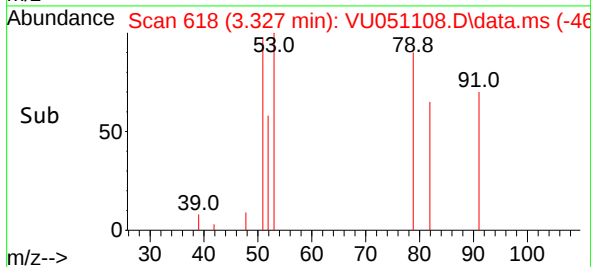
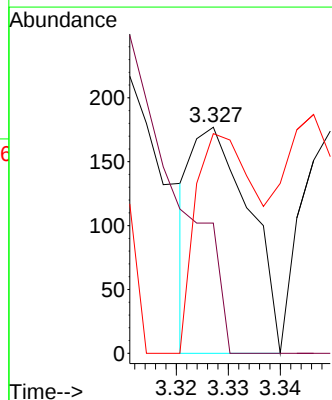
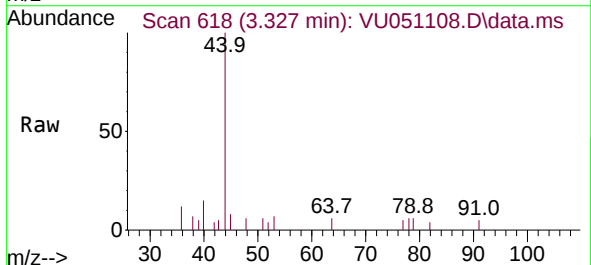


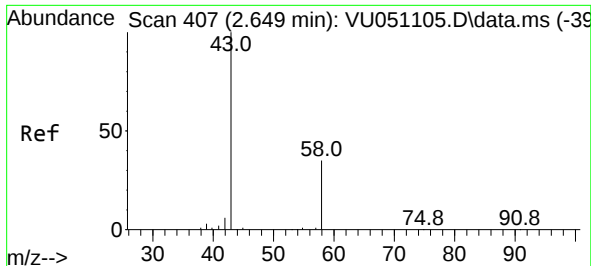
Tgt Ion: 41 Resp: 245
 Ion Ratio Lower Upper
 41 100
 39 71.8 53.2 79.8



#12
 Acrylonitrile
 Concen: 0.029 ug/l
 RT: 3.327 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VU051108.D
 Acq: 04 Oct 2022 15:17

Tgt Ion: 53 Resp: 136
 Ion Ratio Lower Upper
 53 100
 52 0.0 64.6 97.0#
 51 102.9 30.7 46.1#





#13

Acetone

Concen: Below Cal

RT: 2.652 min Scan# 408

Delta R.T. 0.003 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

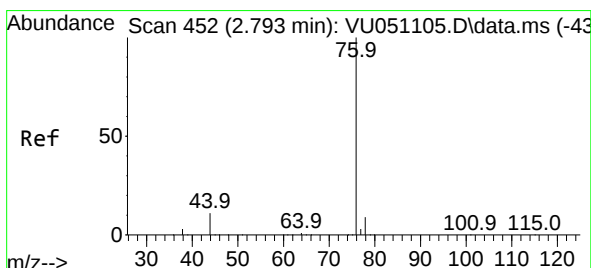
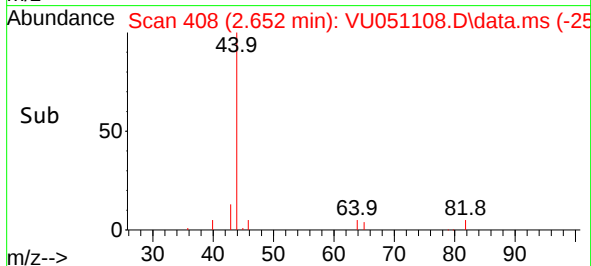
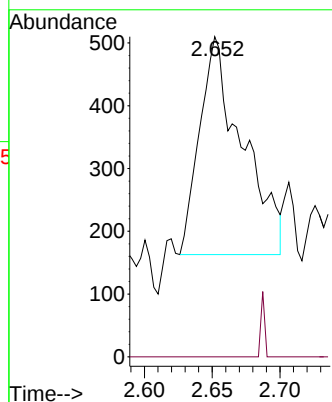
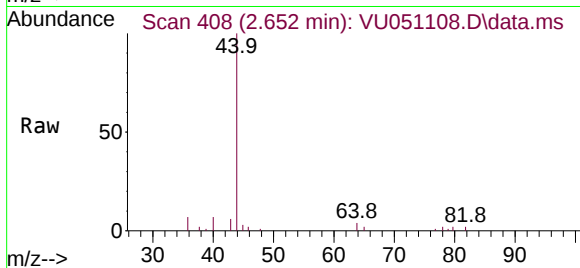
ClientSampleId :

Tgt Ion: 43 Resp: 759

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.2#



#14

Carbon Disulfide

Concen: 0.043 ug/l

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU051108.D

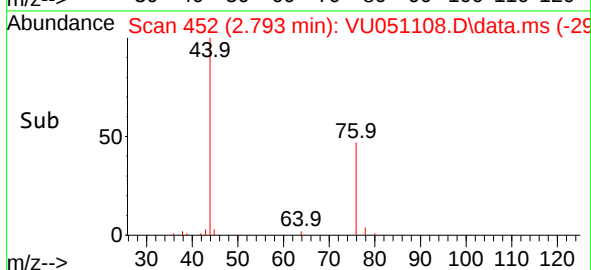
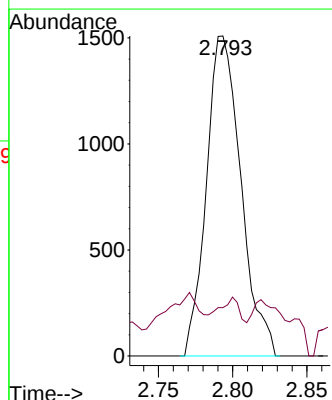
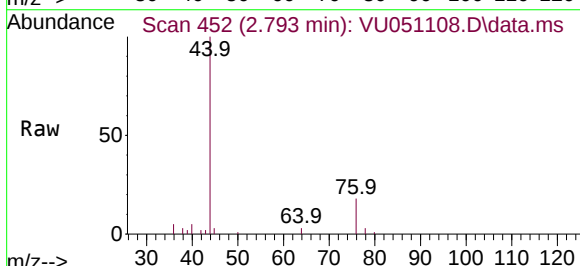
Acq: 04 Oct 2022 15:17

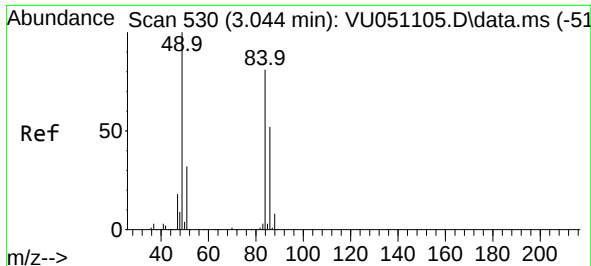
Tgt Ion: 76 Resp: 2440

Ion Ratio Lower Upper

76 100

78 1.7 7.4 11.0#





#15

Methylene Chloride

Concen: Below Cal

RT: 3.044 min Scan# 51

Delta R.T. 0.000 min

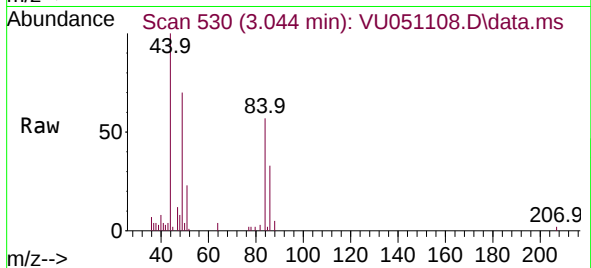
Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 84 Resp: 8182

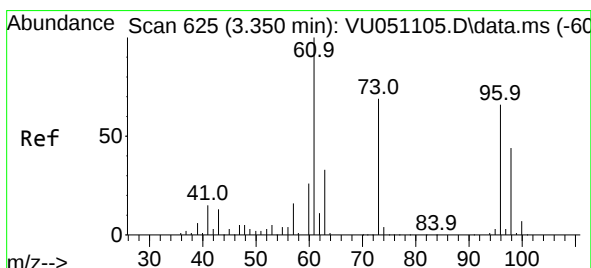
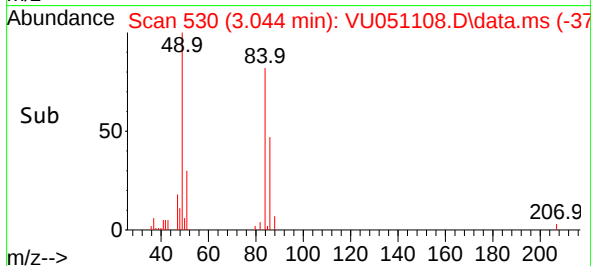
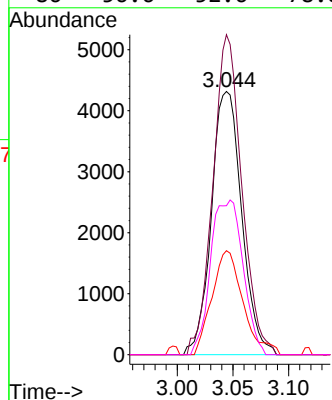
Ion Ratio Lower Upper

84 100

49 121.6 104.6 157.0

51 42.1 0.0 81.4

86 56.6 52.6 78.8



#16

trans-1,2-Dichloroethene

Concen: 0.019 ug/l

RT: 3.356 min Scan# 627

Delta R.T. 0.006 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

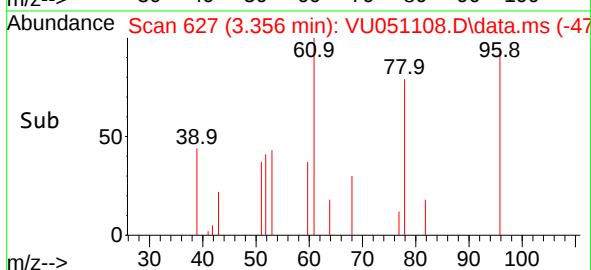
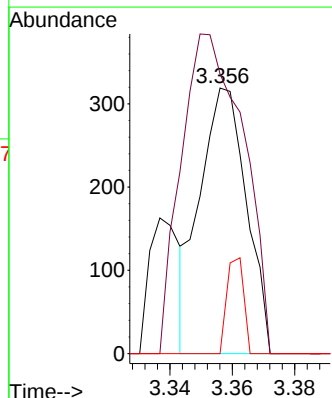
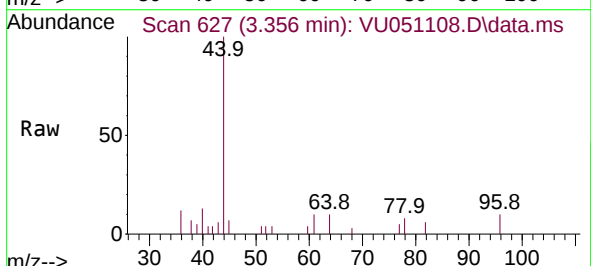
Tgt Ion: 96 Resp: 330

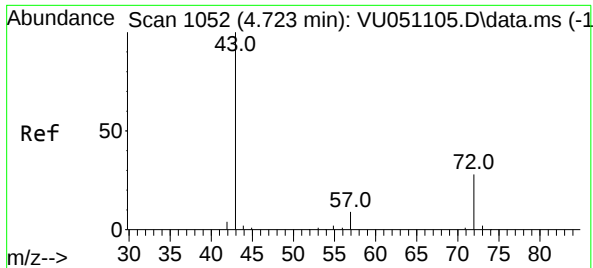
Ion Ratio Lower Upper

96 100

61 105.3 123.4 185.0#

98 0.0 51.6 77.4#





#18

2-Butanone

Concen: Below Cal

RT: 4.745 min Scan# 1059

Delta R.T. 0.022 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

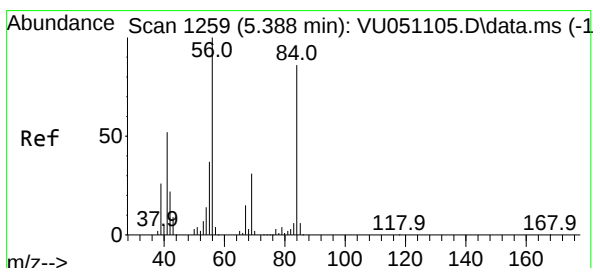
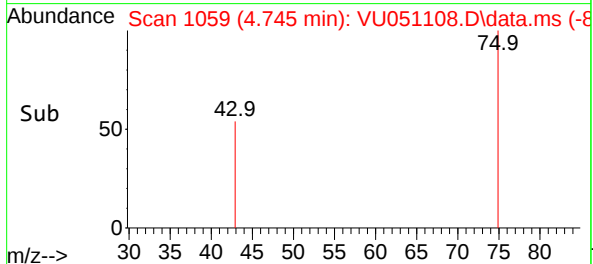
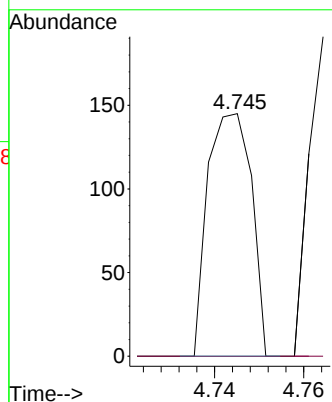
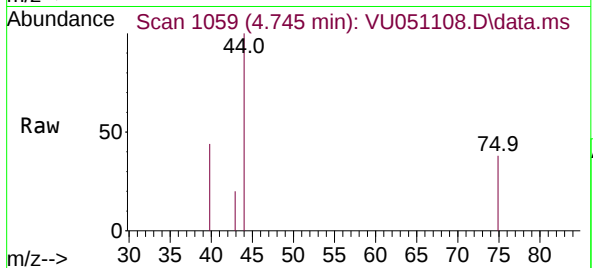
ClientSampleId :

Tgt Ion: 43 Resp: 99

Ion Ratio Lower Upper

43 100

57 0.0 0.0 18.0



#19

Cyclohexane

Concen: 0.008 ug/l

RT: 5.459 min Scan# 1281

Delta R.T. 0.071 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

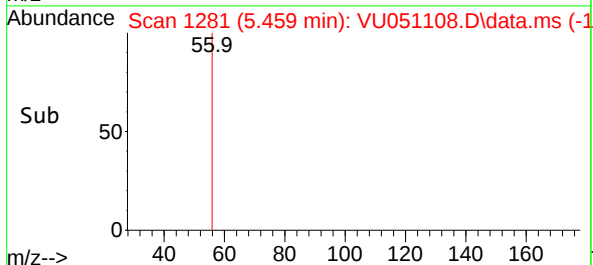
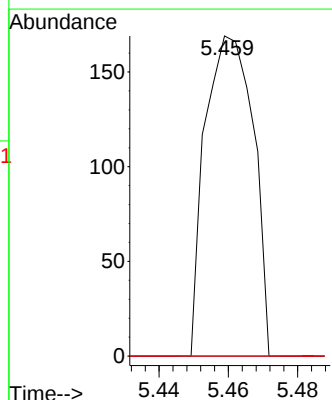
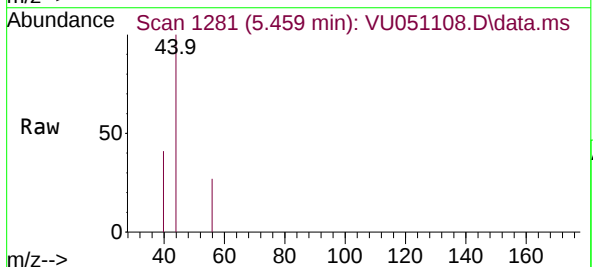
Tgt Ion: 56 Resp: 163

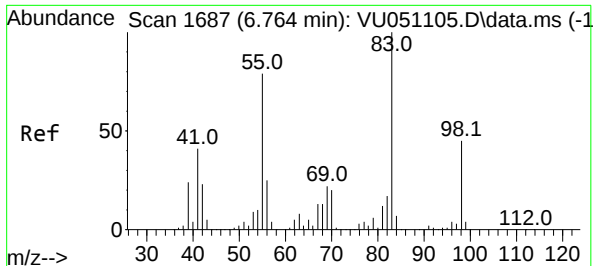
Ion Ratio Lower Upper

56 100

69 0.0 24.2 36.4#

84 27.6 63.4 95.2#





#20

Methylcyclohexane

Concen: 0.012 ug/l

RT: 6.767 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

ClientSampleId :

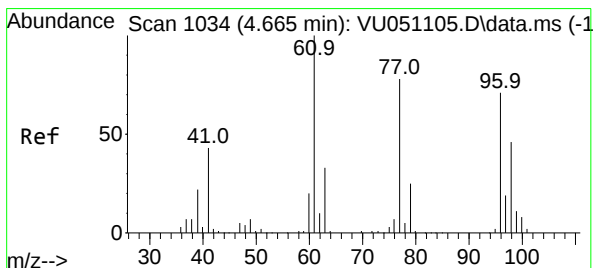
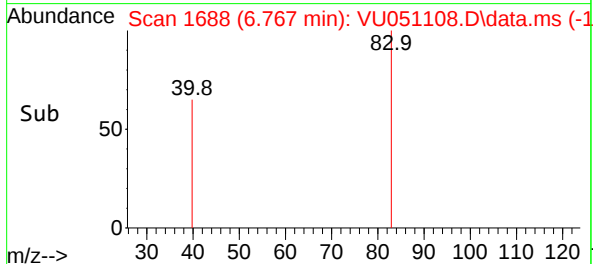
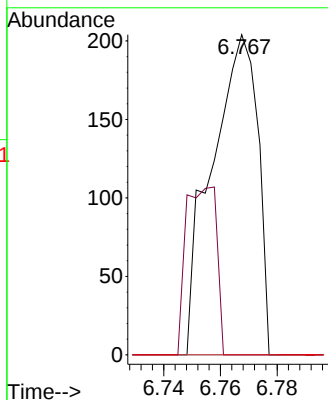
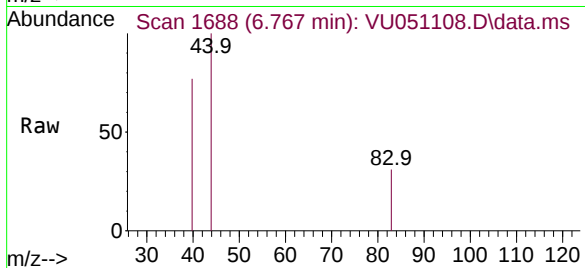
Tgt Ion: 83 Resp: 230

Ion Ratio Lower Upper

83 100

55 34.8 63.0 94.4#

98 0.0 35.7 53.5#



#22

cis-1,2-Dichloroethene

Concen: 0.003 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

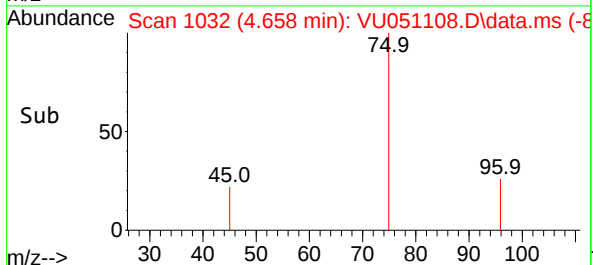
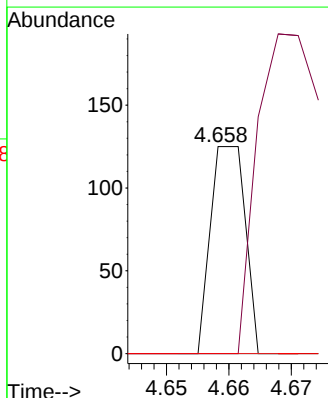
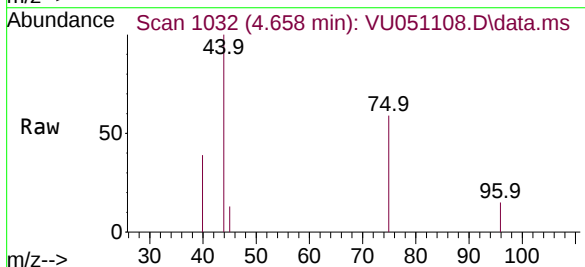
Tgt Ion: 96 Resp: 48

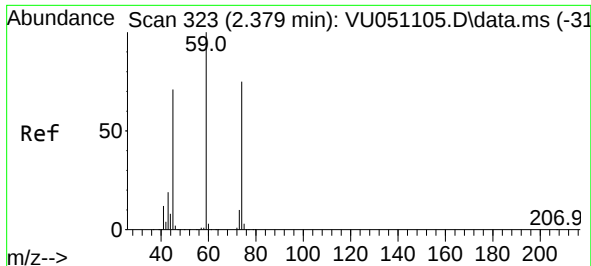
Ion Ratio Lower Upper

96 100

61 460.4 0.0 375.8#

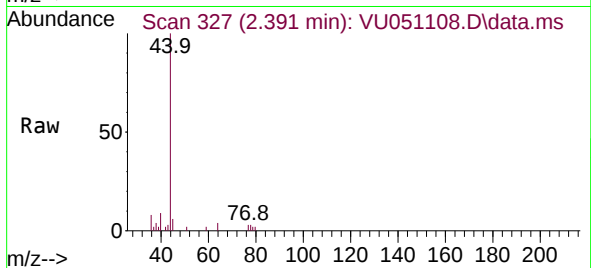
98 0.0 31.6 95.0#



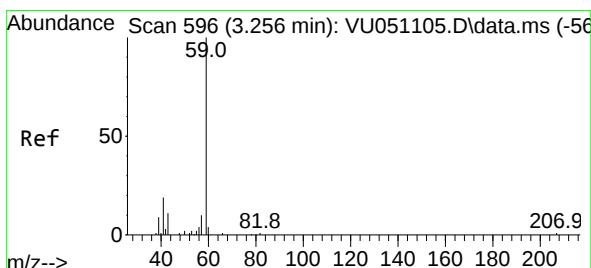
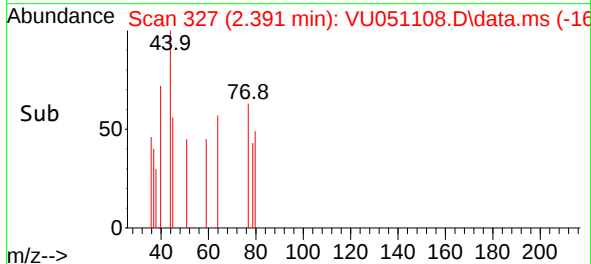
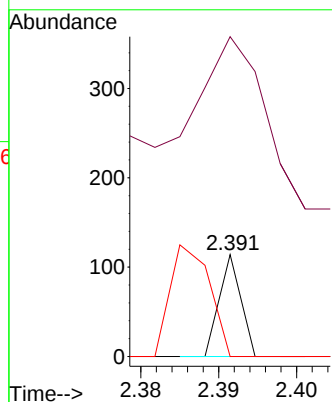


#23
Diethyl Ether
Concen: 0.002 ug/l
RT: 2.391 min Scan# 31
Delta R.T. 0.013 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Instrument :
MSVOA_U
ClientSampleId :

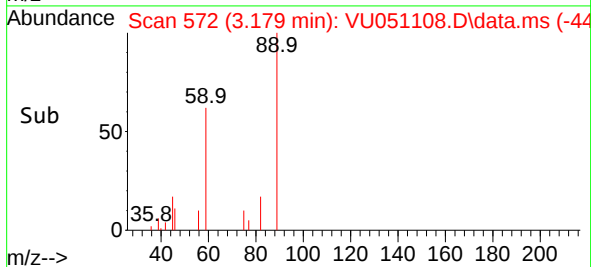
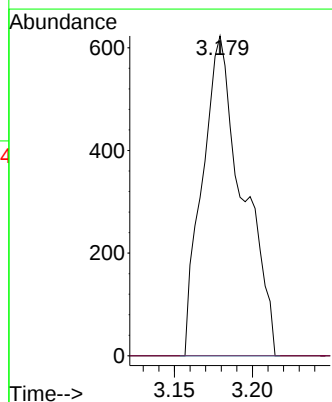
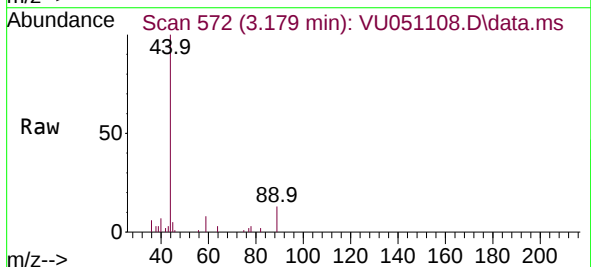


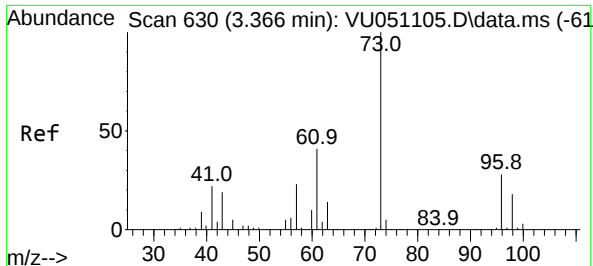
Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
45 800.0 56.0 84.0#
74 200.0 57.6 86.4#



#24
tert-Butyl Alcohol
Concen: 1.773 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.077 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 59 Resp: 1122
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

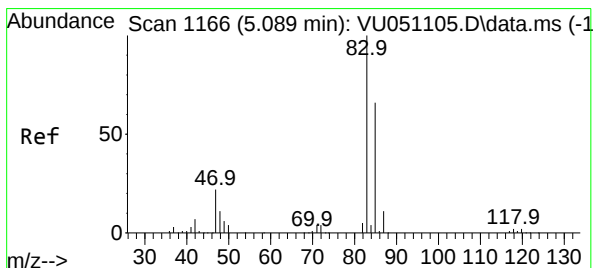
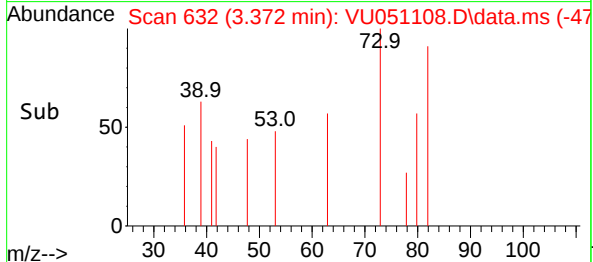
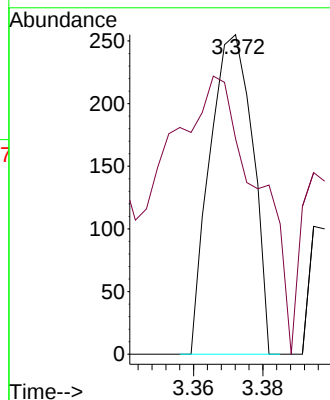
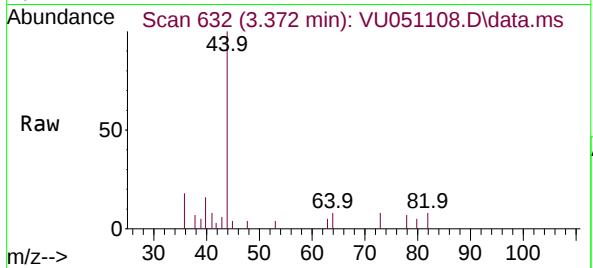




#25
Methyl tert-Butyl Ether
Concen: 0.005 ug/l
RT: 3.372 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

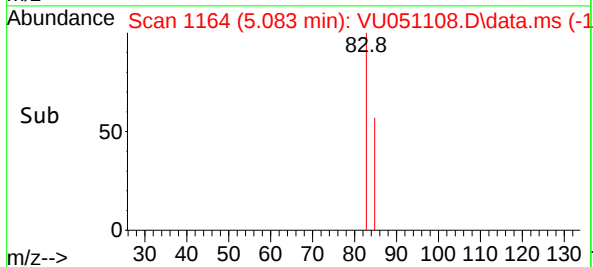
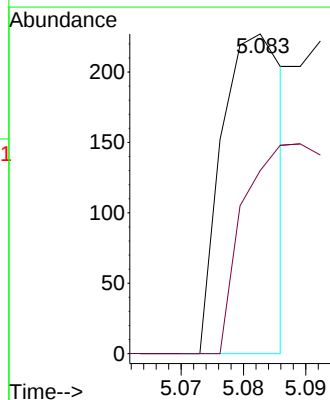
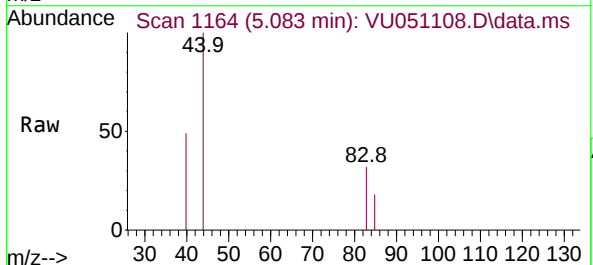
Instrument :
MSVOA_U
ClientSampleId :

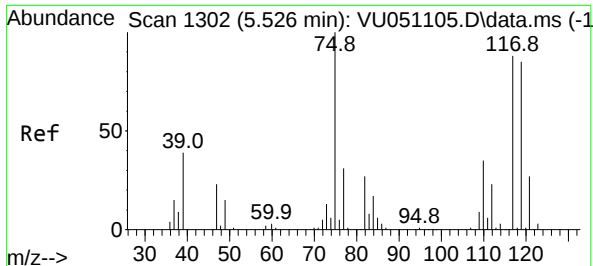
Tgt Ion: 73 Resp: 219
Ion Ratio Lower Upper
73 100
43 185.8 15.9 23.9#



#27
Chloroform
Concen: 0.005 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. -0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 83 Resp: 155
Ion Ratio Lower Upper
83 100
85 57.3 0.0 133.6





#29

1,1-Dichloropropene

Concen: 0.004 ug/l

RT: 5.536 min Scan# 11

Delta R.T. 0.010 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

ClientSampleId :

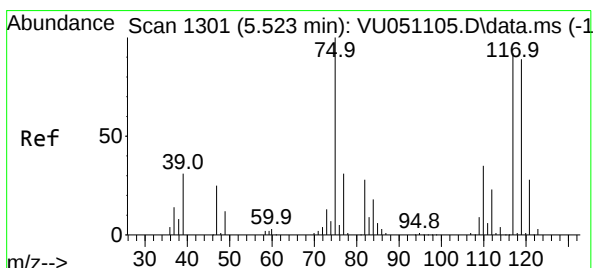
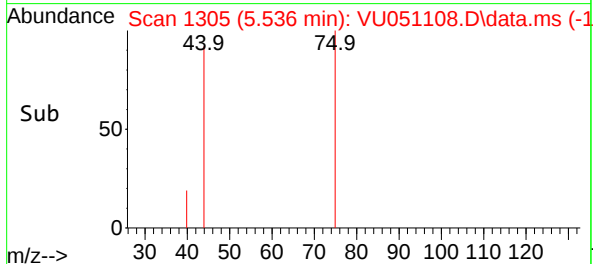
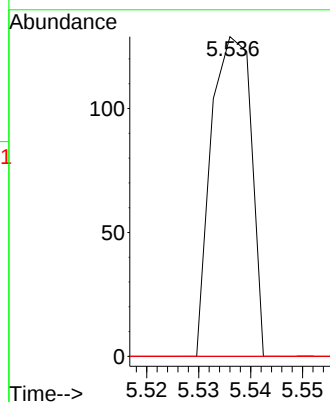
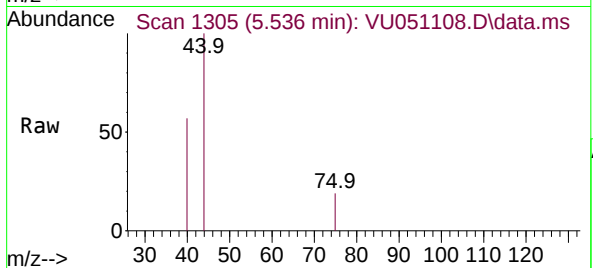
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

110 0.0 17.3 52.0#

77 0.0 24.6 37.0#



#30

Carbon Tetrachloride

Concen: 0.002 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. -0.003 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

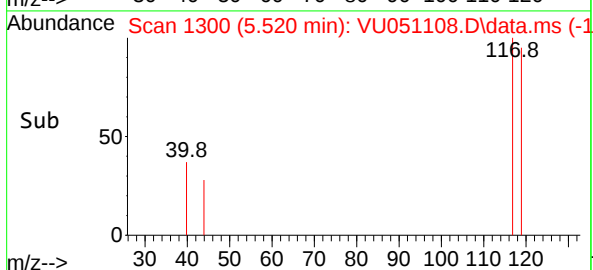
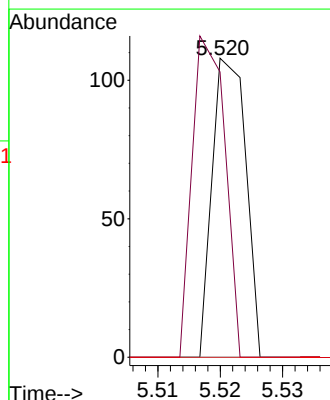
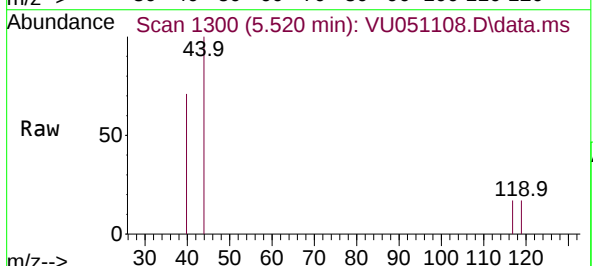
Tgt Ion: 117 Resp: 40

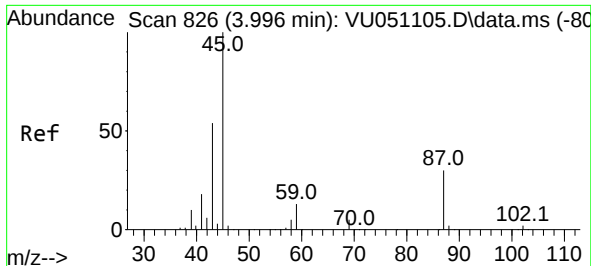
Ion Ratio Lower Upper

117 100

119 95.4 74.6 112.0

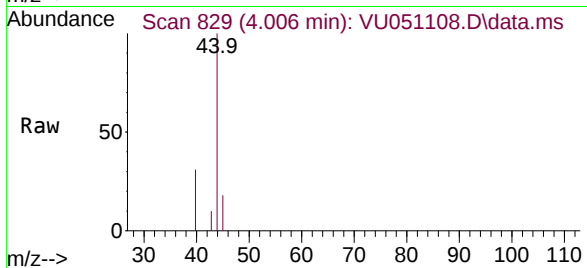
121 0.0 24.2 36.4#



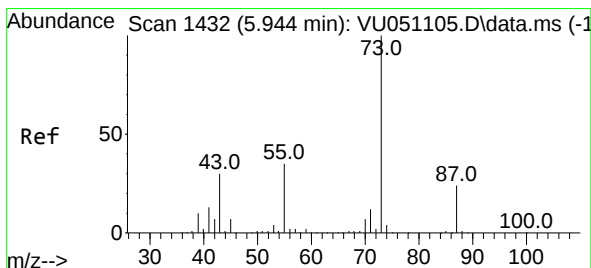
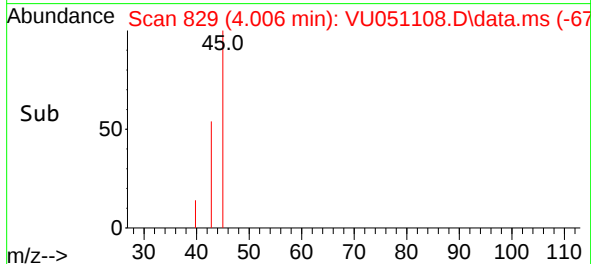
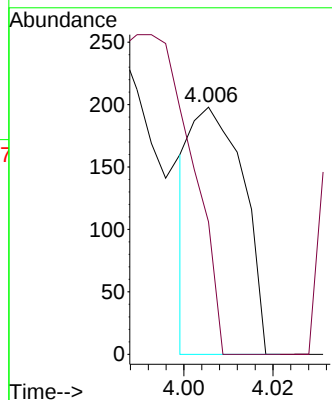


#31
Isopropyl Ether
Concen: 0.004 ug/l
RT: 4.006 min Scan# 81
Delta R.T. 0.010 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Instrument :
MSVOA_U
ClientSampleId :

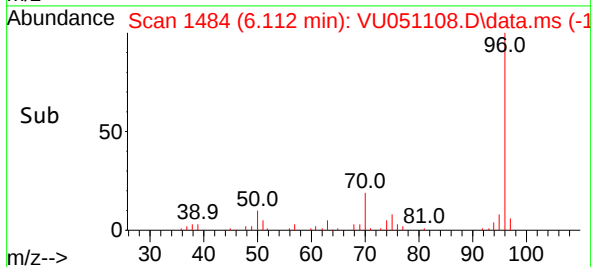
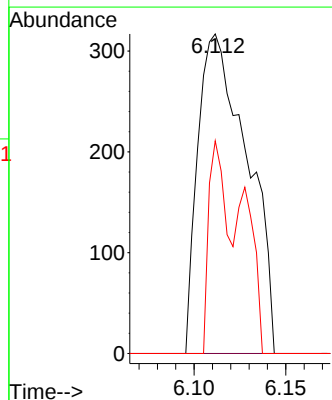
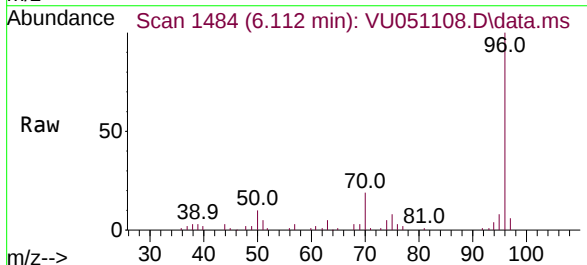


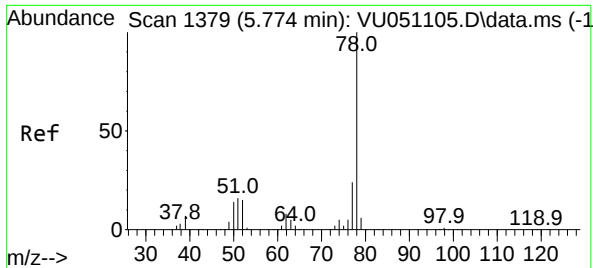
Tgt Ion: 45 Resp: 163
Ion Ratio Lower Upper
45 100
43 50.3 23.8 71.2



#33
Tert-Amyl methyl ether
Concen: 0.019 ug/l
RT: 6.112 min Scan# 1484
Delta R.T. 0.167 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 73 Resp: 592
Ion Ratio Lower Upper
73 100
87 0.0 19.7 29.5#
71 25.7 9.0 13.4#

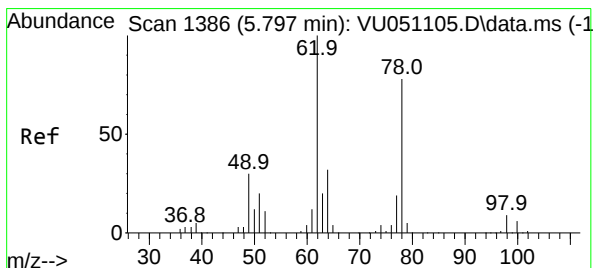
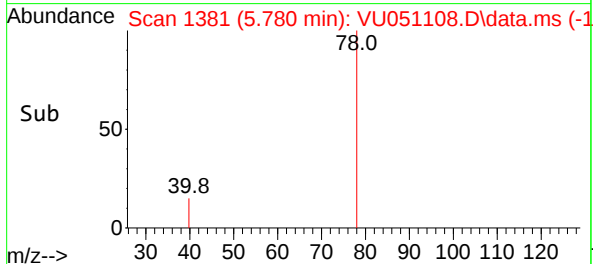
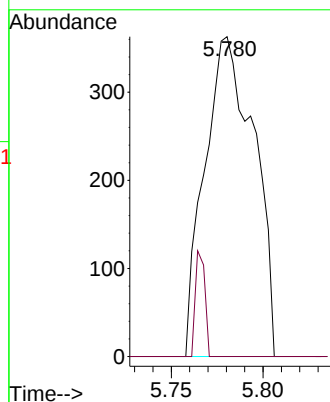
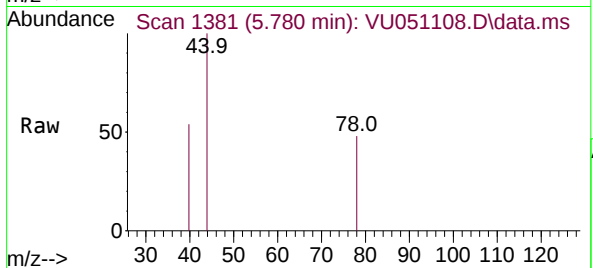




#35
Benzene
Concen: 0.011 ug/l
RT: 5.780 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

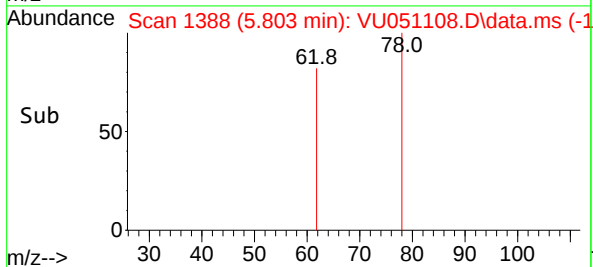
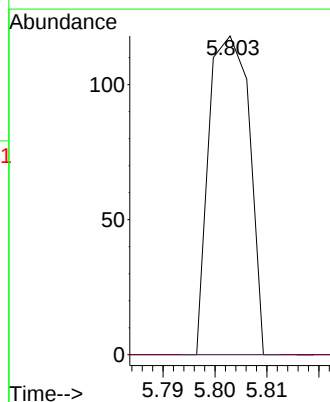
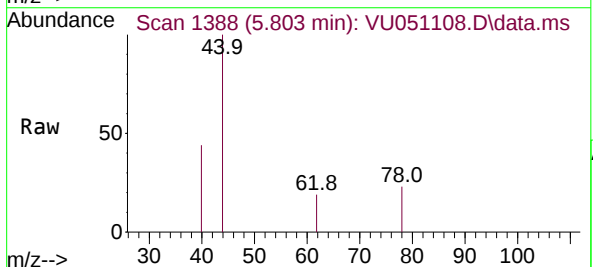
Instrument :
MSVOA_U
ClientSampleId :

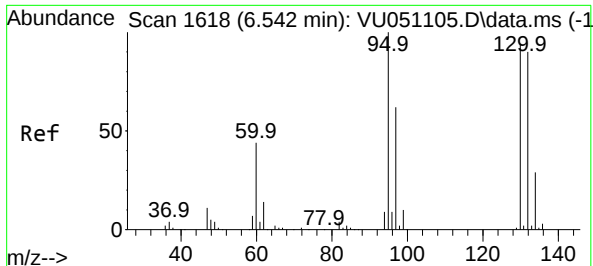
Tgt Ion: 78 Resp: 678
Ion Ratio Lower Upper
78 100
77 0.0 18.6 28.0#



#36
1,2-Dichloroethane
Concen: 0.003 ug/l
RT: 5.803 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 62 Resp: 64
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#





#37

Trichloroethene

Concen: 0.013 ug/l

RT: 6.549 min Scan# 1162

Delta R.T. 0.006 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

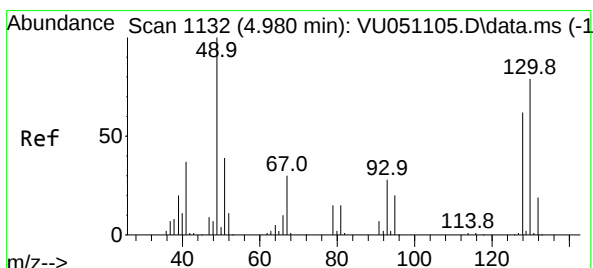
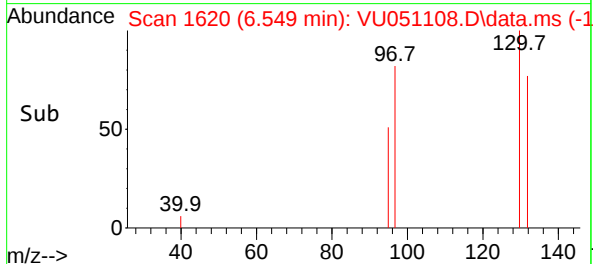
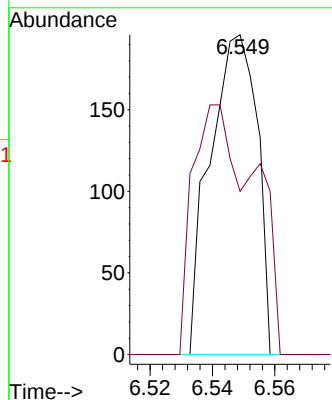
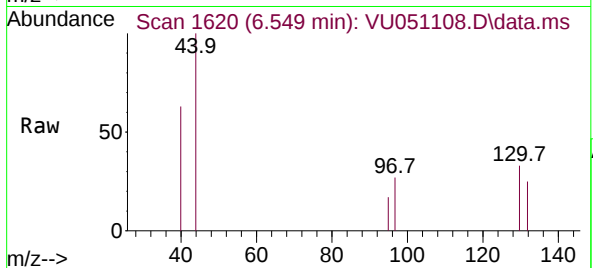
ClientSampleId :

Tgt Ion:130 Resp: 206

Ion Ratio Lower Upper

130 100

95 51.0 83.8 125.8#



#39

Methacrylonitrile

Concen: 0.017 ug/l

RT: 5.076 min Scan# 1162

Delta R.T. 0.096 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Tgt Ion: 41 Resp: 79

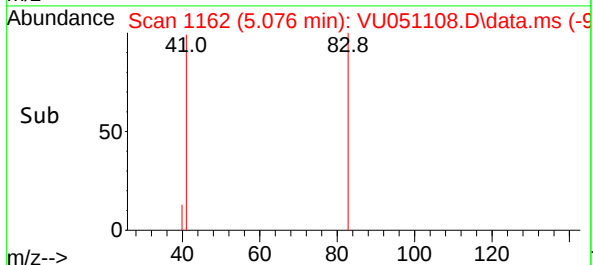
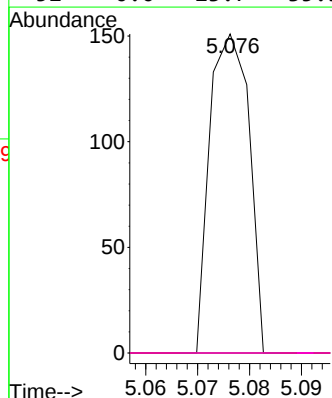
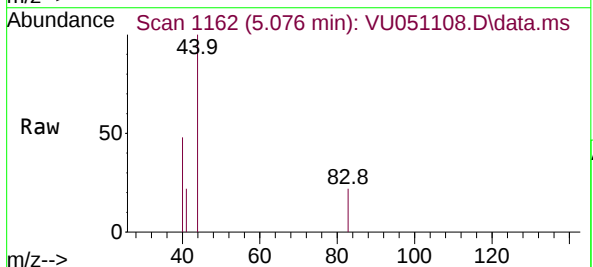
Ion Ratio Lower Upper

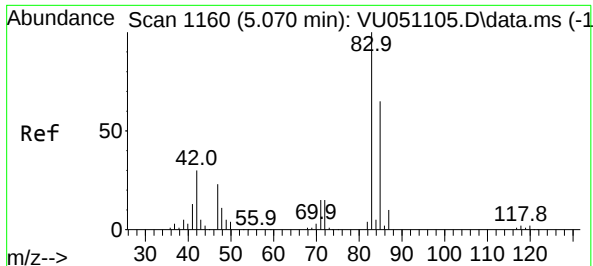
41 100

67 0.0 59.4 89.0#

39 0.0 42.2 63.2#

52 0.0 23.7 35.5#





#41

Tetrahydrofuran

Concen: 0.065 ug/l

RT: 5.102 min Scan# 1160

Delta R.T. 0.032 min

Lab File: VU051108.D

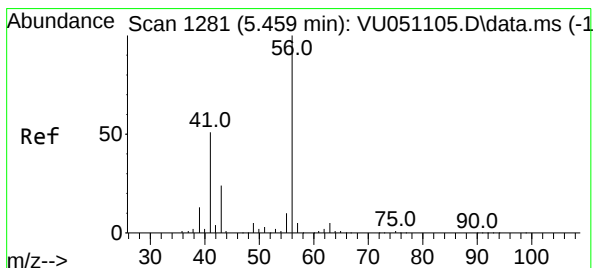
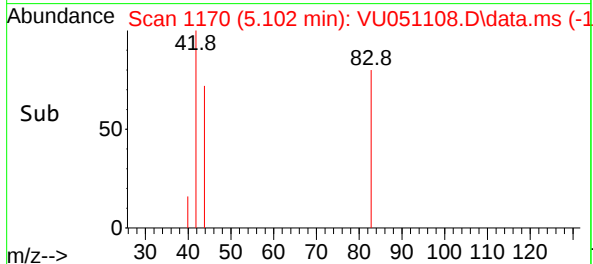
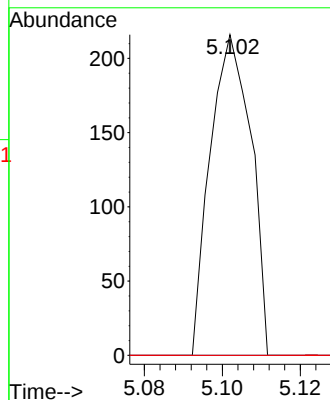
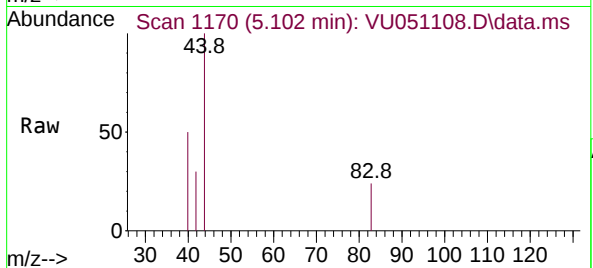
Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	42	Resp:	157
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.9	58.3#
71	0.0	33.7	50.5#



#42

1-Chlorobutane

Concen: 0.006 ug/l

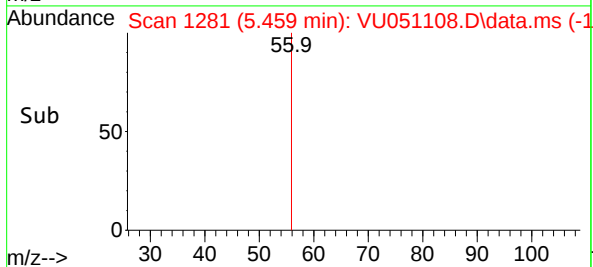
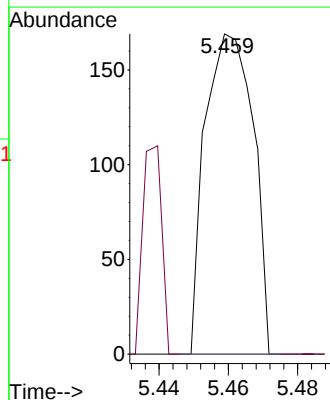
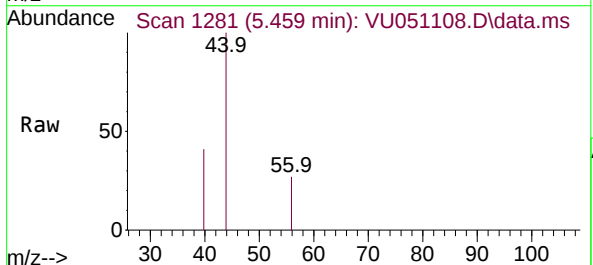
RT: 5.459 min Scan# 1281

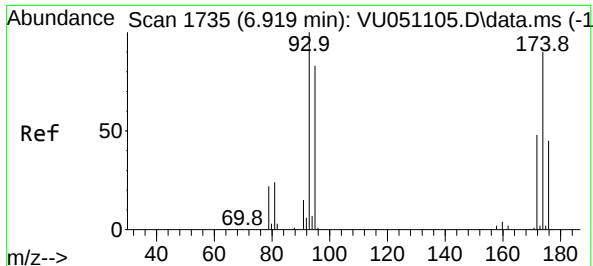
Delta R.T. -0.000 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

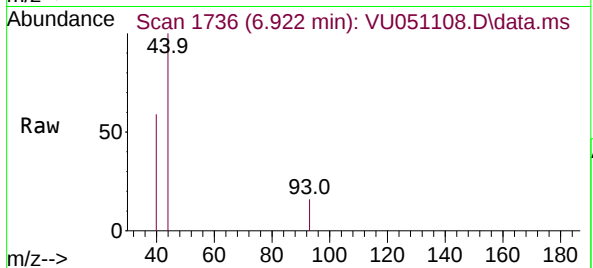
Tgt Ion:	56	Resp:	163
Ion	Ratio	Lower	Upper
56	100		
41	25.8	26.4	79.2#



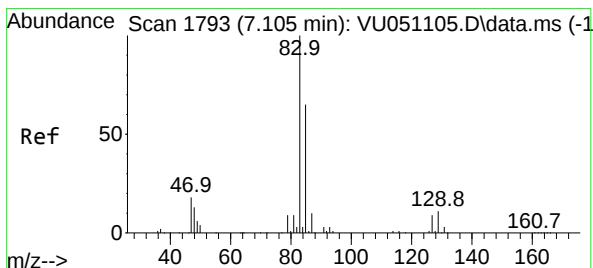
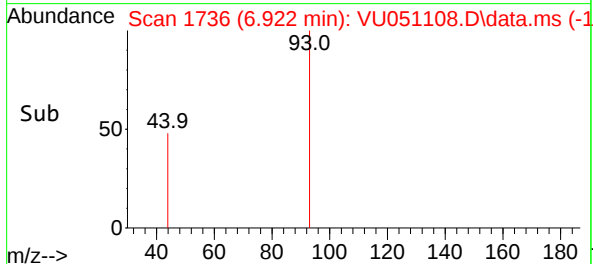
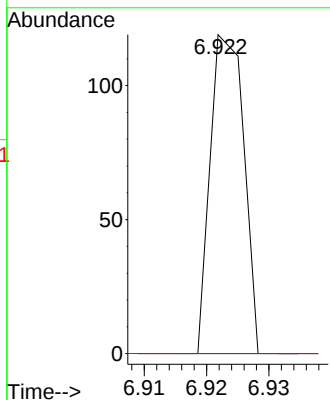


#43
Dibromomethane
Concen: 0.005 ug/l
RT: 6.922 min Scan# 1736
Delta R.T. 0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Instrument :
MSVOA_U
ClientSampleId :

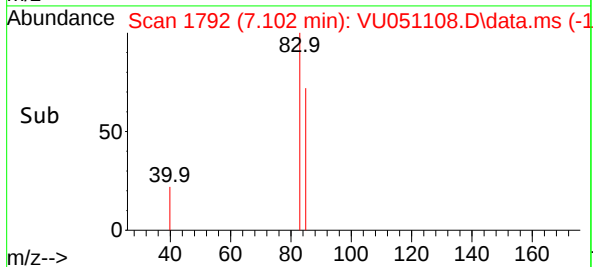
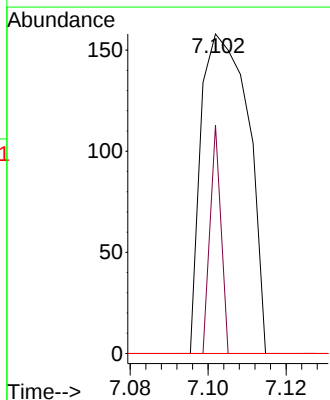
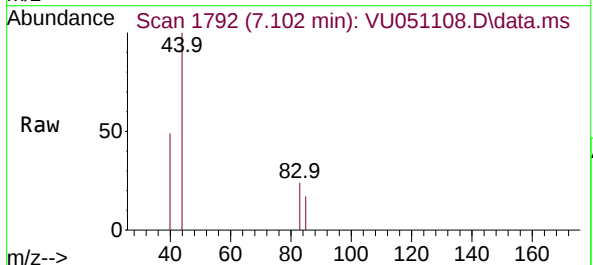


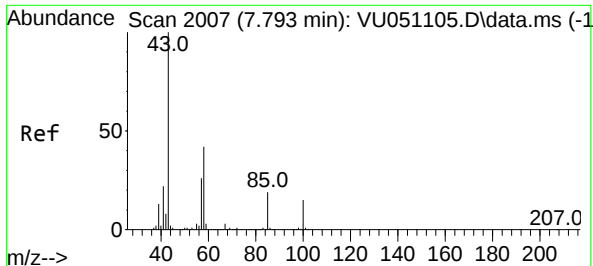
Tgt Ion: 93 Resp: 44
Ion Ratio Lower Upper
93 100
95 0.0 65.0 97.6#
174 0.0 76.3 114.5#



#44
Bromodichloromethane
Concen: 0.006 ug/l
RT: 7.102 min Scan# 1792
Delta R.T. -0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 83 Resp: 132
Ion Ratio Lower Upper
83 100
85 71.5 49.4 74.0
127 0.0 6.6 10.0#





#45

4-Methyl-2-Pentanone

Concen: 0.113 ug/l

RT: 7.806 min Scan# 2011

Delta R.T. 0.013 min

Lab File: VU051108.D

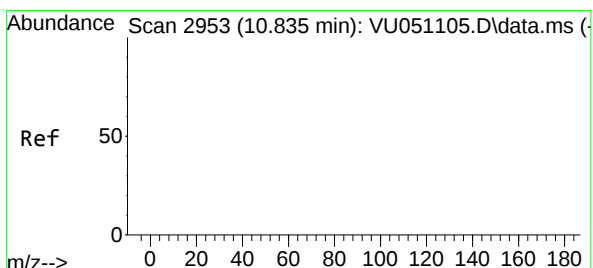
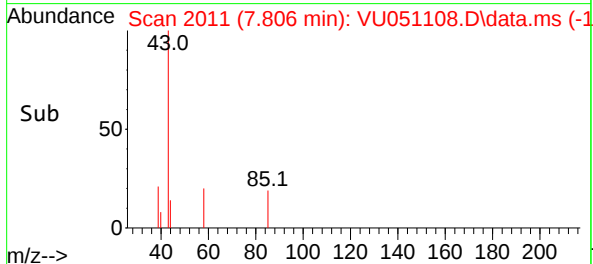
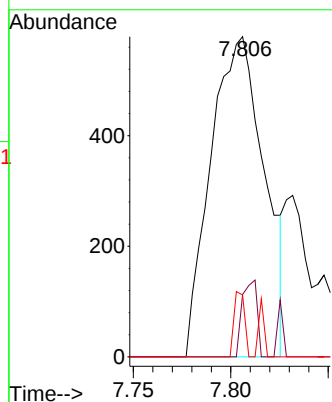
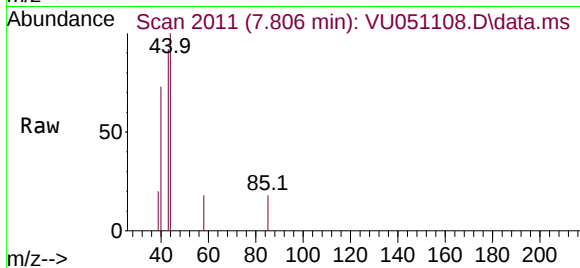
Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	43	Resp:	1102
Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.3	61.0#
85	4.0	14.6	21.8#



#46

t-1,4-Dichloro-2-butene

Concen: 2.070 ug/l

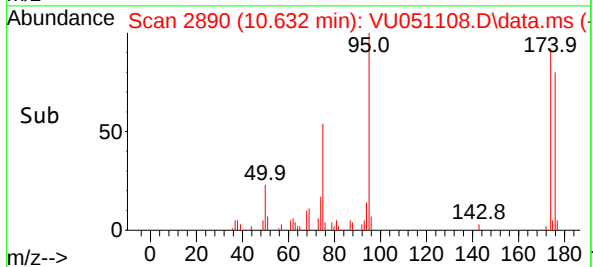
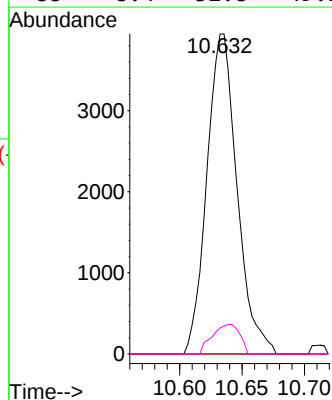
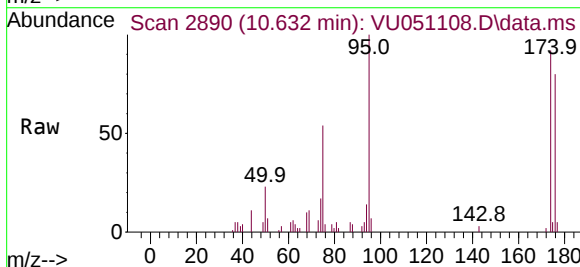
RT: 10.632 min Scan# 2890

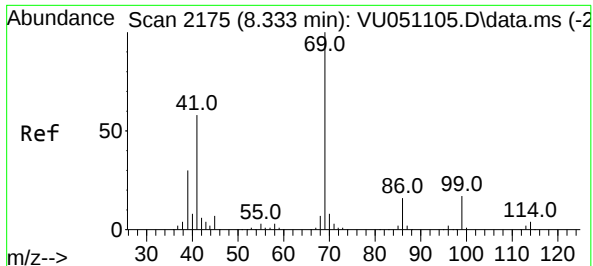
Delta R.T. -0.203 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Tgt Ion:	75	Resp:	6651
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.4	96.6#
89	0.0	44.2	66.2#
88	8.4	32.8	49.2#





#48

Ethyl methacrylate

Concen: 0.008 ug/l

RT: 8.346 min Scan# 2175

Delta R.T. 0.013 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

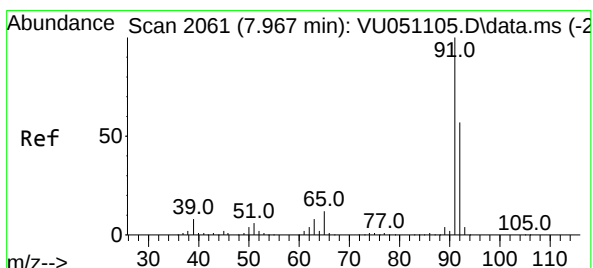
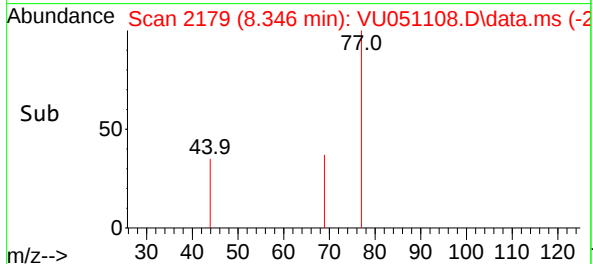
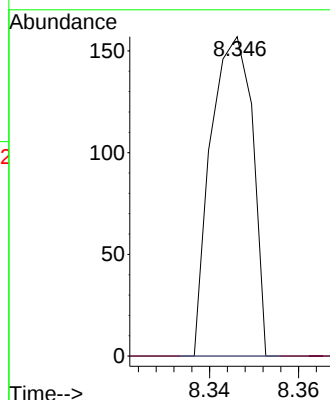
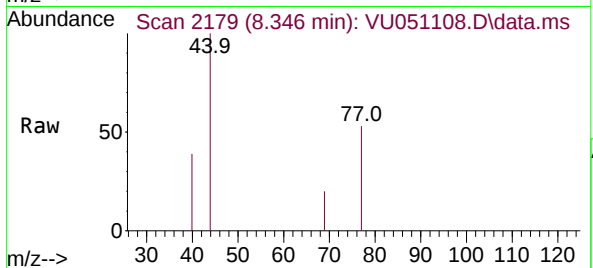
ClientSampleId :

Tgt Ion: 69 Resp: 102

Ion Ratio Lower Upper

69 100

41 0.0 32.3 96.9#



#49

Toluene

Concen: 0.011 ug/l

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051108.D

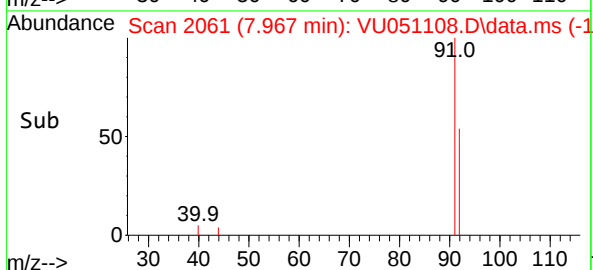
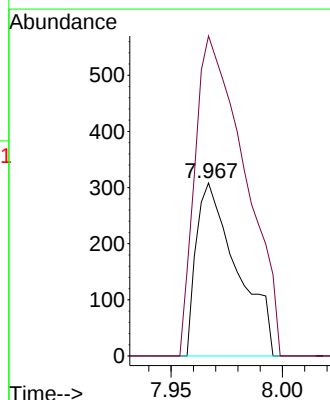
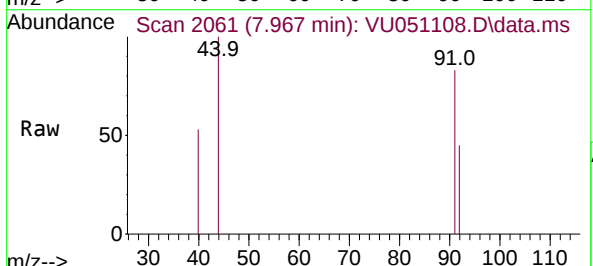
Acq: 04 Oct 2022 15:17

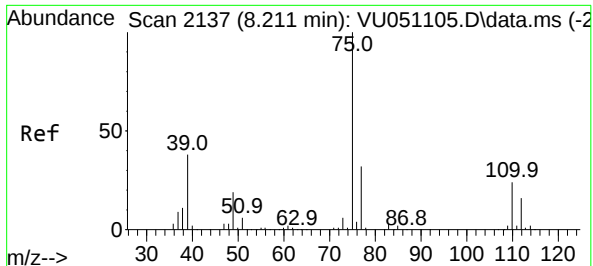
Tgt Ion: 92 Resp: 394

Ion Ratio Lower Upper

92 100

91 225.4 138.6 207.8#





#50

t-1,3-Dichloropropene

Concen: 0.015 ug/l

RT: 8.221 min Scan# 2137

Delta R.T. 0.010 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

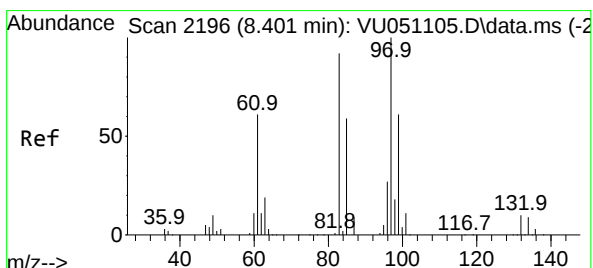
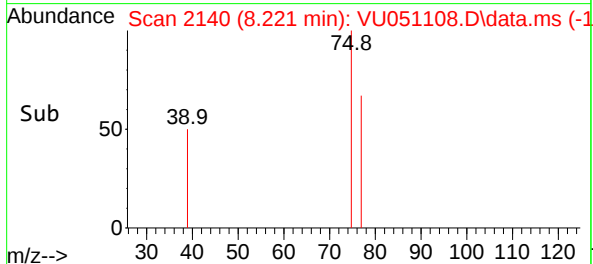
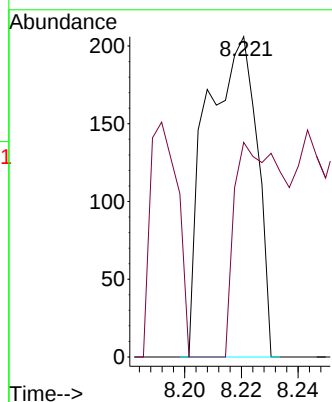
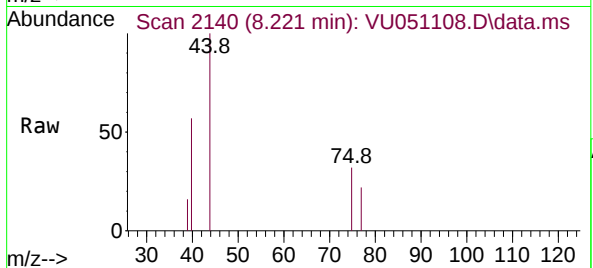
ClientSampleId :

Tgt Ion: 75 Resp: 254

Ion Ratio Lower Upper

75 100

77 16.0 24.7 37.1#



#52

1,1,2-Trichloroethane

Concen: 0.002 ug/l

RT: 8.398 min Scan# 2195

Delta R.T. -0.003 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Tgt Ion: 97 Resp: 21

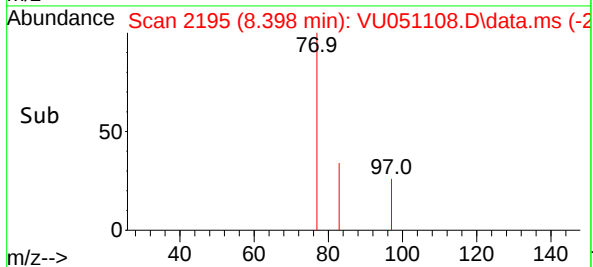
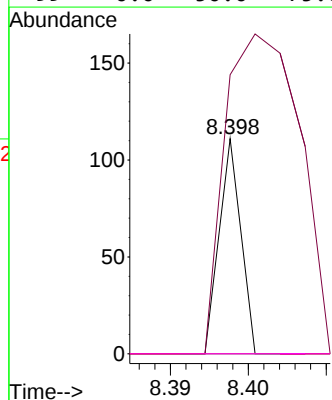
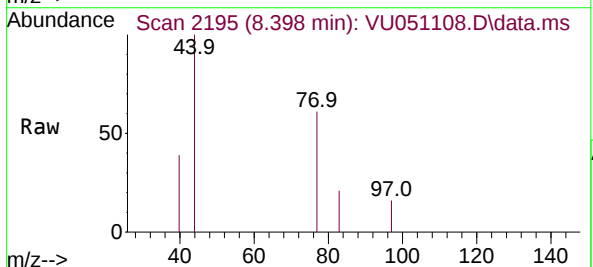
Ion Ratio Lower Upper

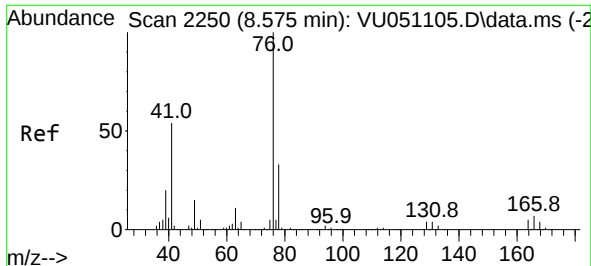
97 100

83 129.7 70.6 106.0#

85 0.0 46.2 69.4#

99 0.0 50.0 75.0#





#53

1,3-Dichloropropane

Concen: 0.015 ug/l

RT: 8.584 min Scan# 2253

Delta R.T. 0.010 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

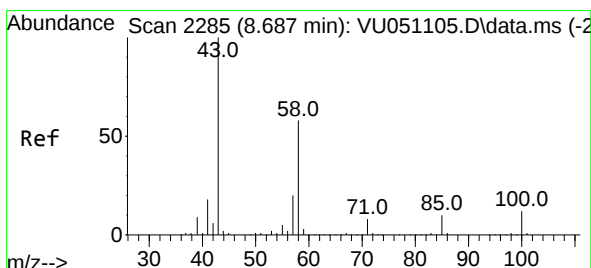
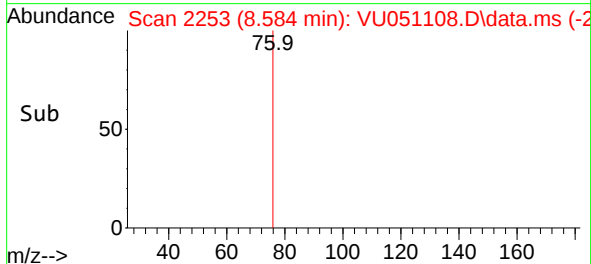
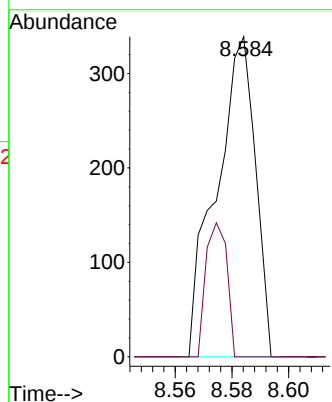
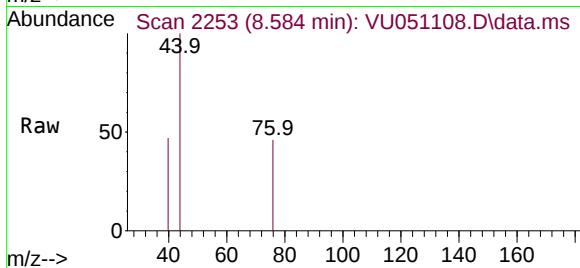
ClientSampleId :

Tgt Ion: 76 Resp: 325

Ion Ratio Lower Upper

76 100

78 22.5 26.0 39.0#



#54

2-Hexanone

Concen: 0.134 ug/l

RT: 8.700 min Scan# 2289

Delta R.T. 0.013 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

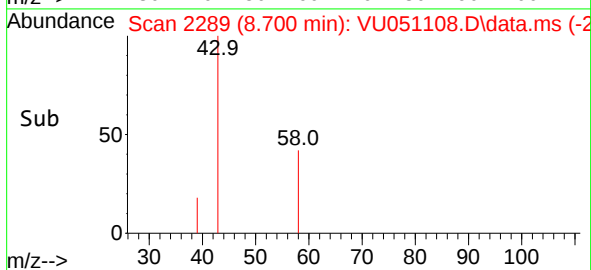
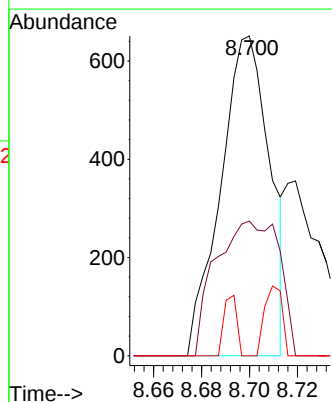
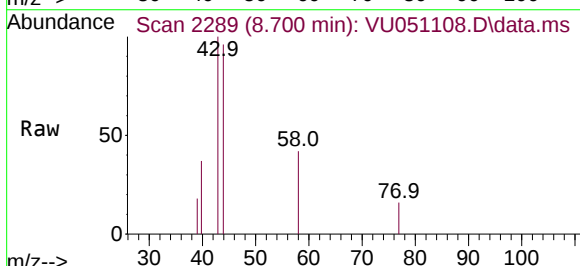
Tgt Ion: 43 Resp: 925

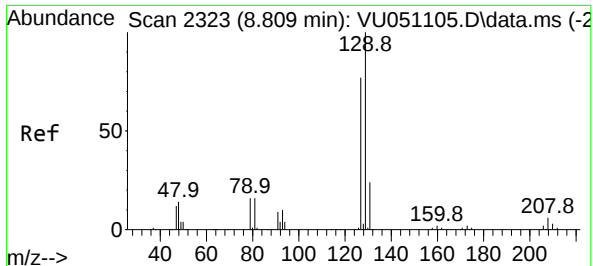
Ion Ratio Lower Upper

43 100

58 54.6 37.1 77.1

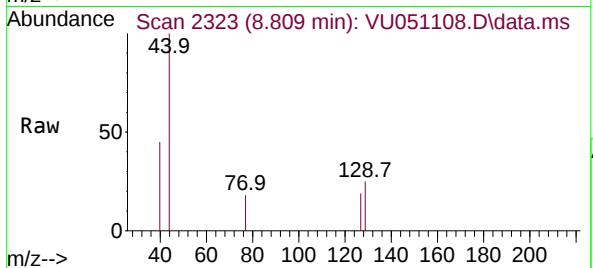
57 5.0 0.0 39.5



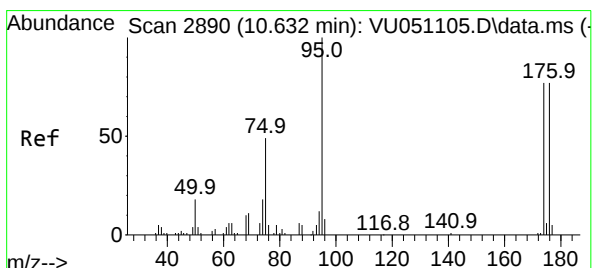
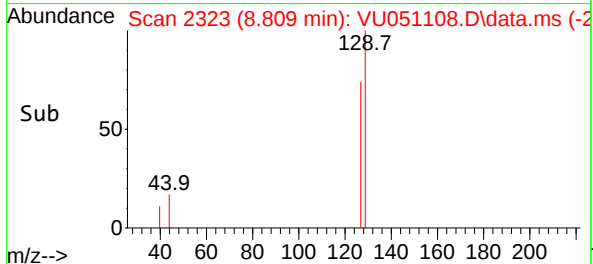
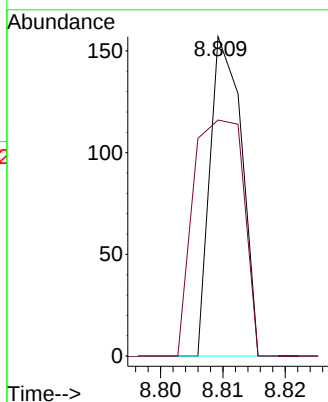


#55
Dibromochloromethane
Concen: 0.004 ug/l
RT: 8.809 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Instrument :
MSVOA_U
ClientSampleId :

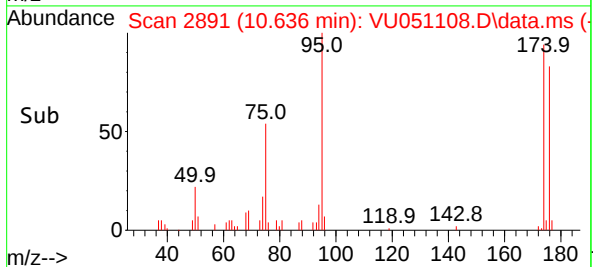
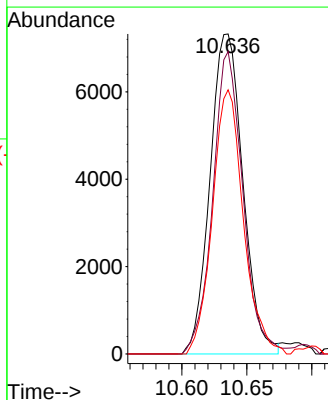
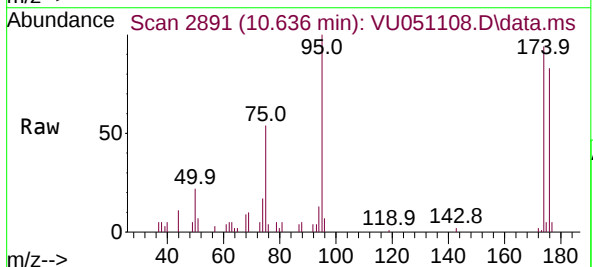


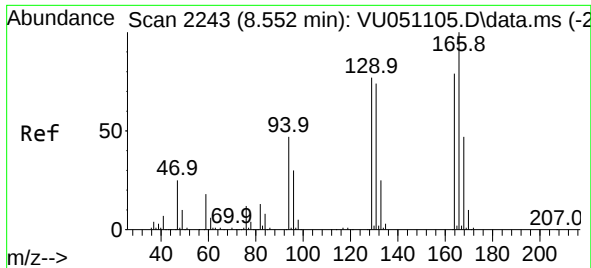
Tgt Ion:129 Resp: 55
Ion Ratio Lower Upper
129 100
127 118.2 61.2 91.8#



#57
4-Bromofluorobenzene
Concen: 0.750 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

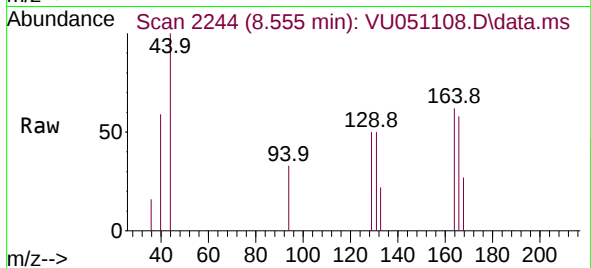
Tgt Ion: 95 Resp: 12888
Ion Ratio Lower Upper
95 100
174 86.4 62.4 93.6
176 77.7 56.2 84.2



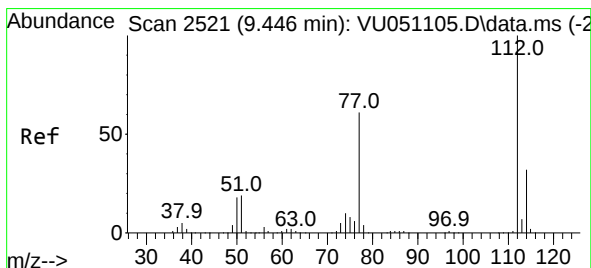
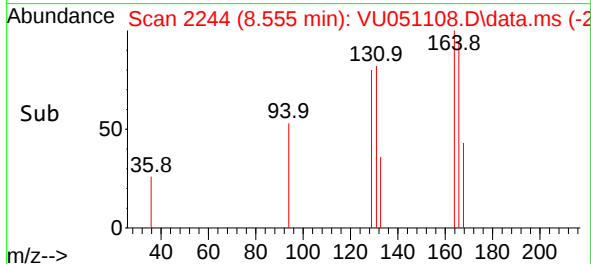
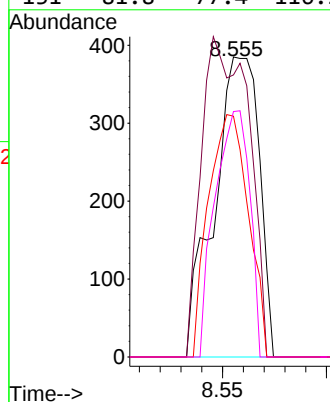


#58
Tetrachloroethene
Concen: 0.037 ug/l
RT: 8.555 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Instrument :
MSVOA_U
ClientSampleId :

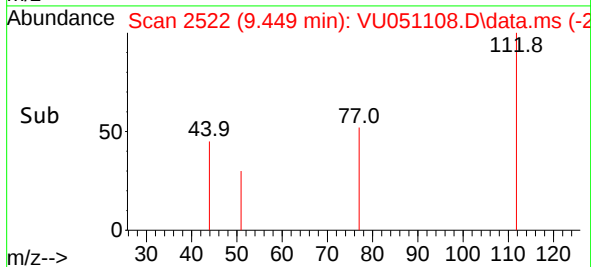
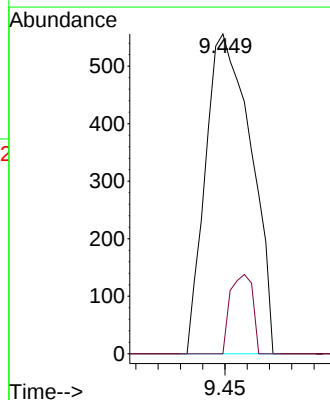
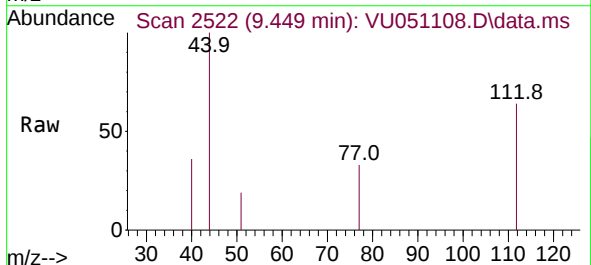


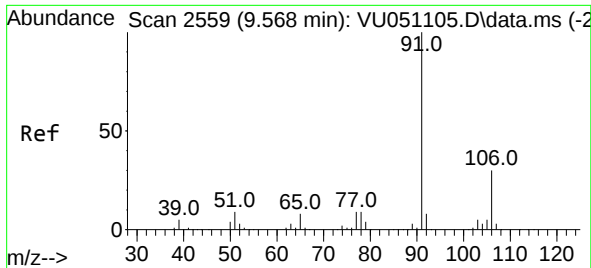
Tgt Ion:	164	Resp:	582
Ion	Ratio	Lower	Upper
164	100		
166	94.0	102.4	153.6#
129	80.3	79.5	119.3
131	81.8	77.4	116.2



#59
Chlorobenzene
Concen: 0.021 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion:	112	Resp:	789
Ion	Ratio	Lower	Upper
112	100		
114	0.0	24.9	37.3#

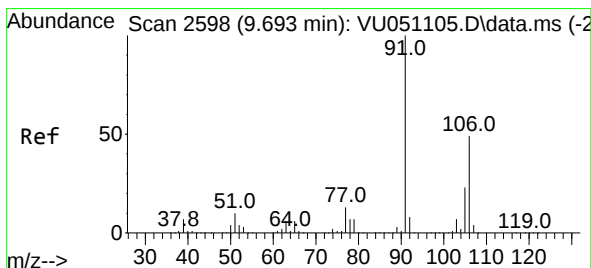
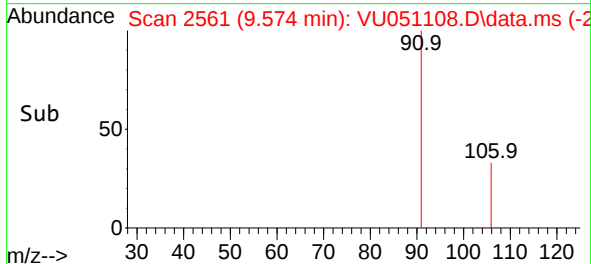
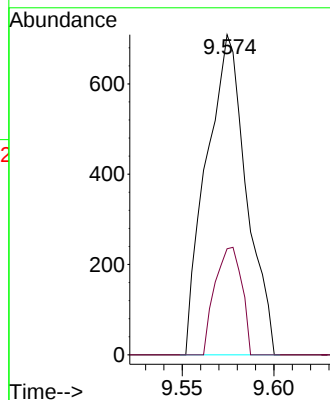
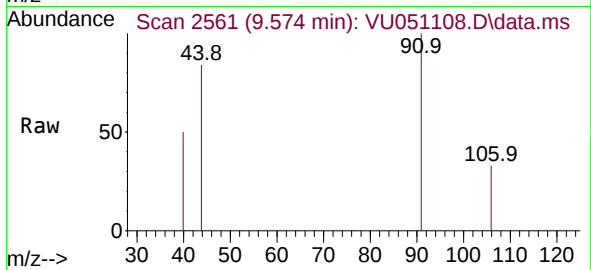




#63
Ethyl Benzene
Concen: 0.018 ug/l
RT: 9.574 min Scan# 210
Delta R.T. 0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

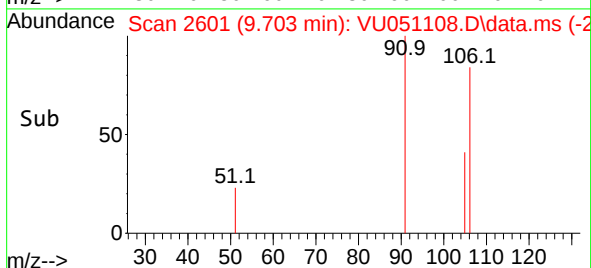
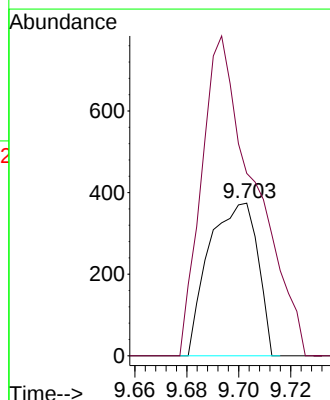
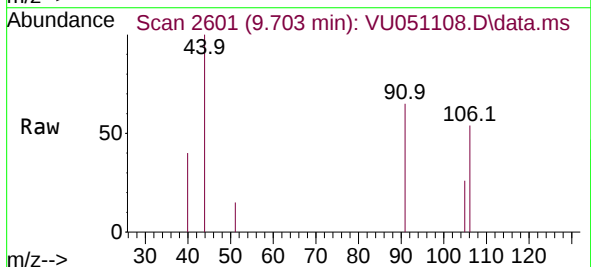
Instrument :
MSVOA_U
ClientSampleId :

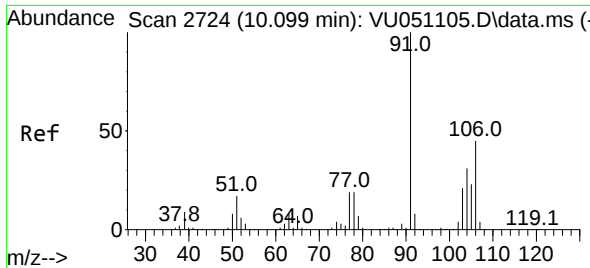
Tgt Ion: 91 Resp: 1075
Ion Ratio Lower Upper
91 100
106 33.1 24.4 36.6



#64
m/p-Xylenes
Concen: 0.892 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.010 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 106 Resp: 488
Ion Ratio Lower Upper
106 100
91 227.5 167.8 251.6

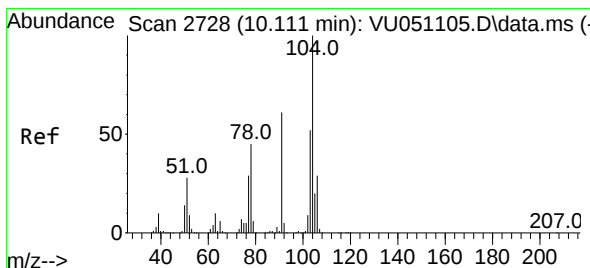
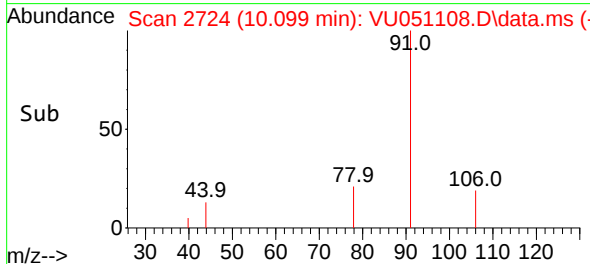
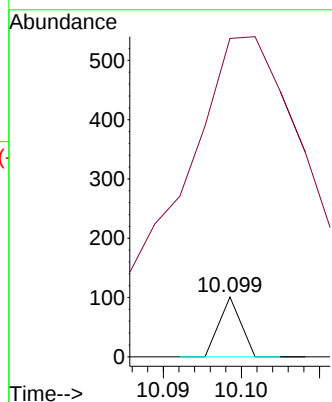
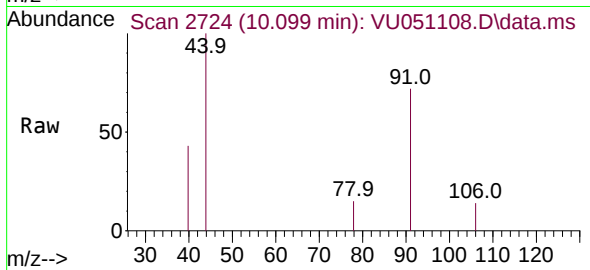




#65
o-Xylene
Concen: 0.001 ug/l
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

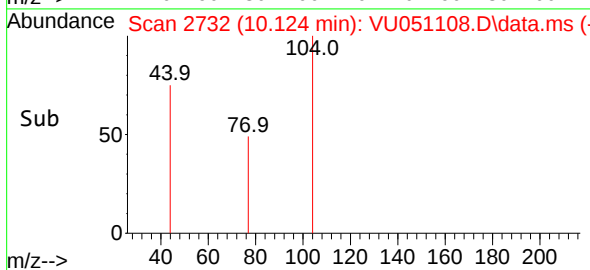
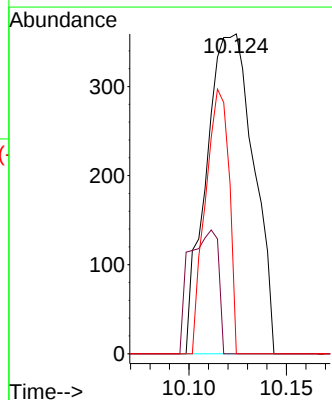
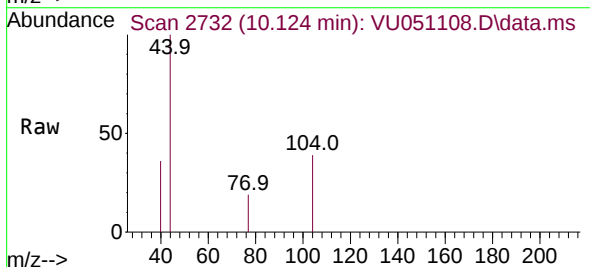
Instrument :
MSVOA_U
ClientSampleId :

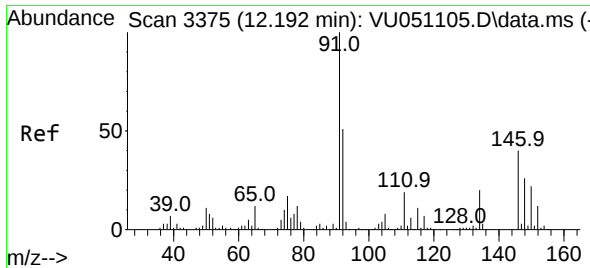
Tgt Ion:106 Resp: 19
Ion Ratio Lower Upper
106 100
91 3268.4 111.1 333.2#



#66
Styrene
Concen: 0.501 ug/l
RT: 10.124 min Scan# 2732
Delta R.T. 0.013 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

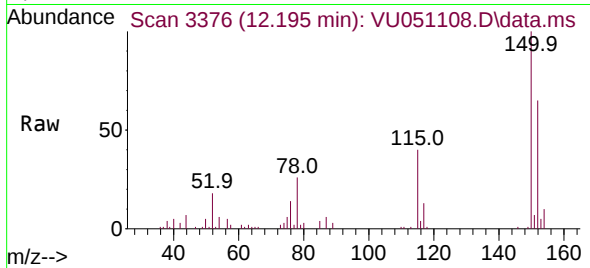
Tgt Ion:104 Resp: 608
Ion Ratio Lower Upper
104 100
78 23.7 42.1 63.1#
103 41.0 44.5 66.7#



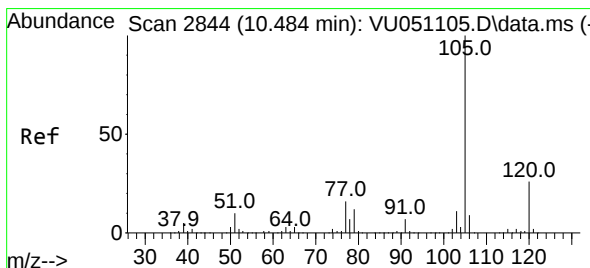
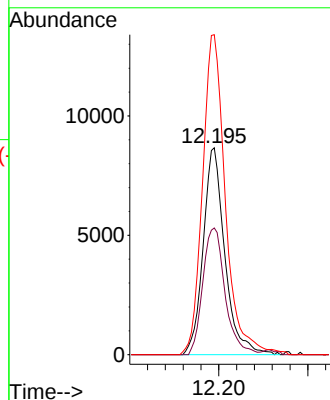
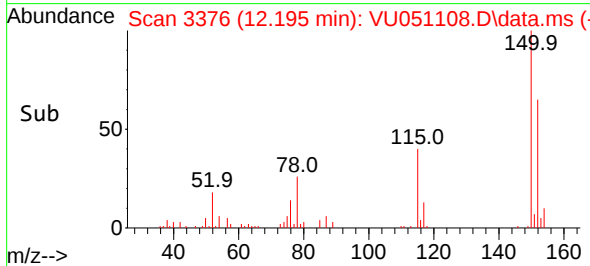


#68
 1,2-Dichlorobenzene-d4
 Concen: 0.766 ug/l
 RT: 12.195 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU051108.D
 Acq: 04 Oct 2022 15:17

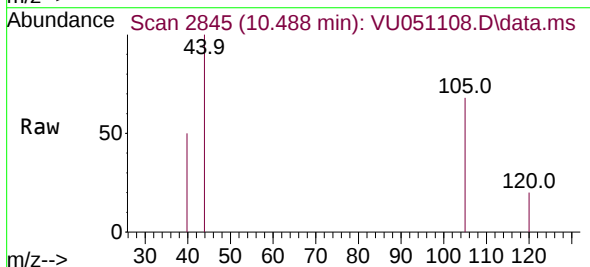
Instrument :
 MSVOA_U
 ClientSampleId :



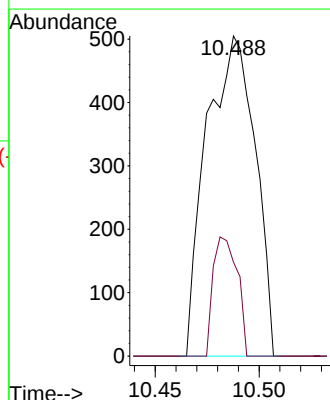
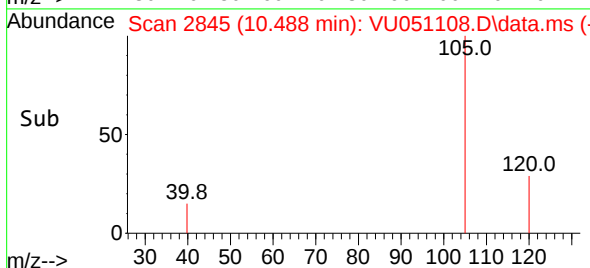
Tgt Ion:152 Resp: 14634
 Ion Ratio Lower Upper
 152 100
 115 63.0 0.0 254.6
 150 163.4 0.0 623.6

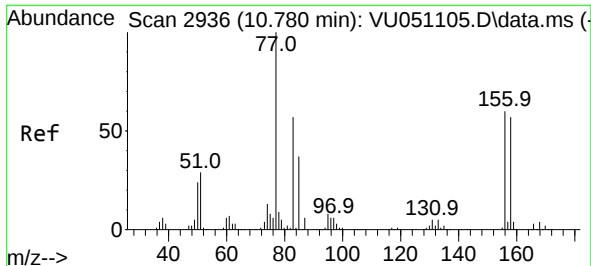


#69
 Isopropylbenzene
 Concen: 0.484 ug/l
 RT: 10.488 min Scan# 2845
 Delta R.T. 0.004 min
 Lab File: VU051108.D
 Acq: 04 Oct 2022 15:17



Tgt Ion:105 Resp: 820
 Ion Ratio Lower Upper
 105 100
 120 18.4 12.6 37.8

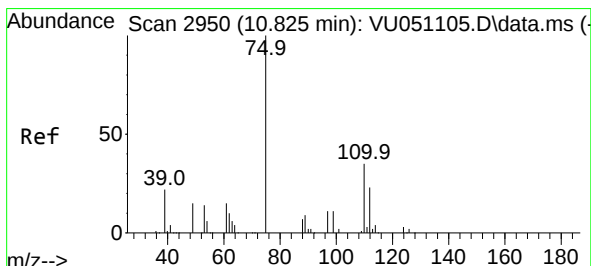
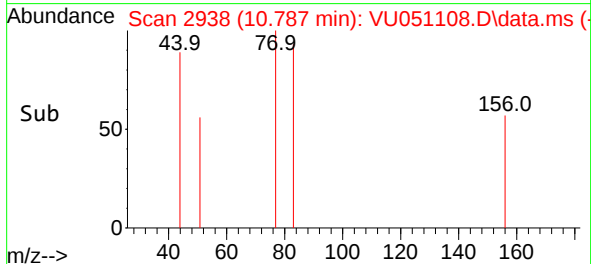
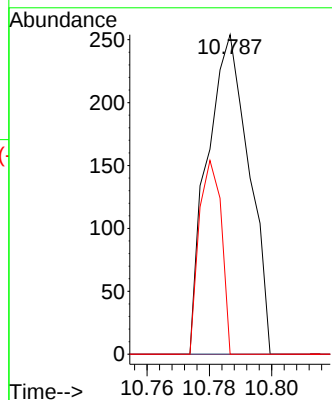
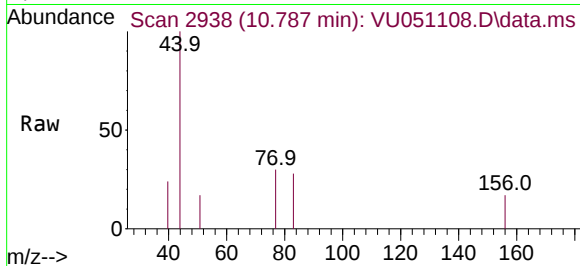




#70
1,1,2,2-Tetrachloroethane
Concen: 0.014 ug/l
RT: 10.787 min Scan# 2890
Delta R.T. 0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

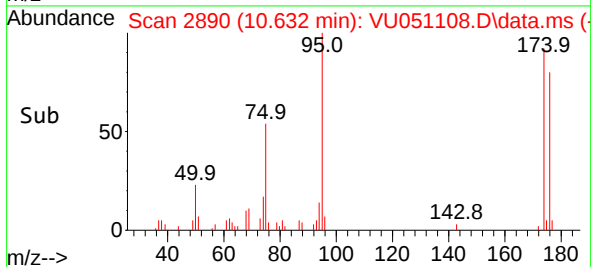
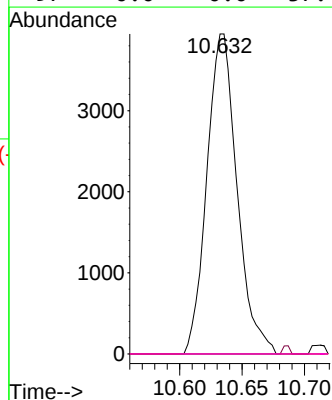
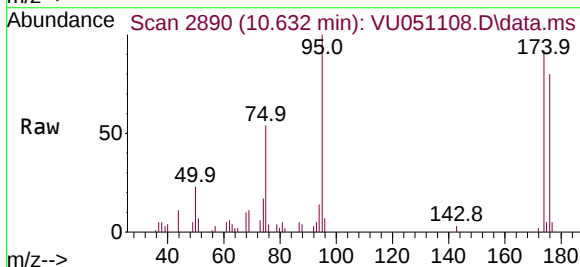
Instrument :
MSVOA_U
ClientSampleId :

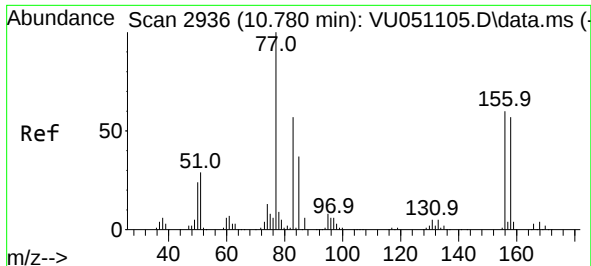
Tgt Ion: 83 Resp: 235
Ion Ratio Lower Upper
83 100
131 0.0 7.7 11.5#
85 32.3 51.2 76.8#



#71
1,2,3-Trichloropropane
Concen: 0.477 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.193 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion: 75 Resp: 6651
Ion Ratio Lower Upper
75 100
77 0.6 0.0 112.4
110 0.0 0.0 70.6
97 0.0 0.0 37.4

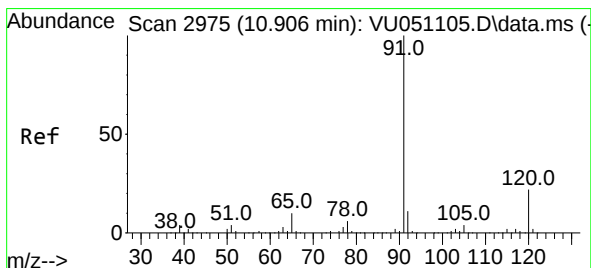
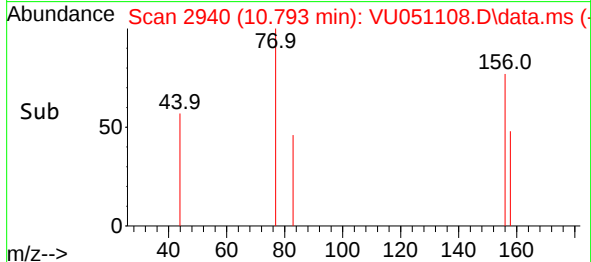
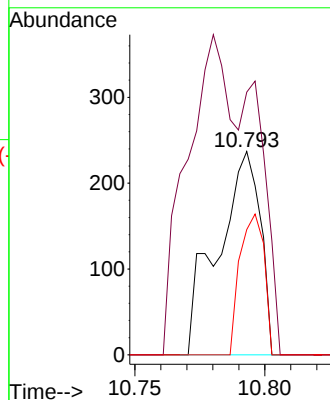
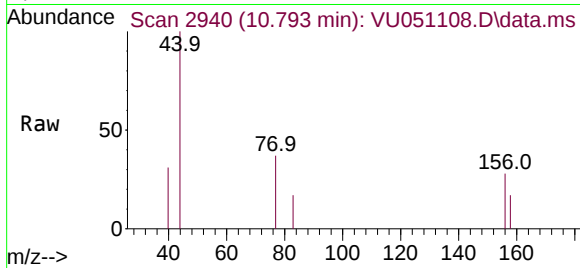




#72
Bromobenzene
Concen: 0.018 ug/l
RT: 10.793 min Scan# 2936
Delta R.T. 0.013 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

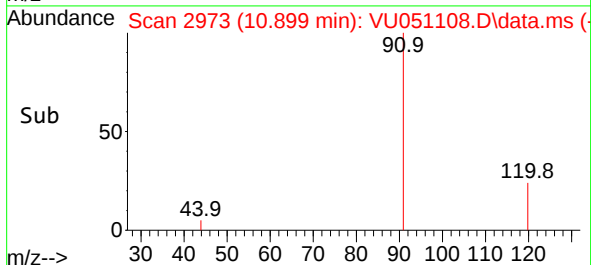
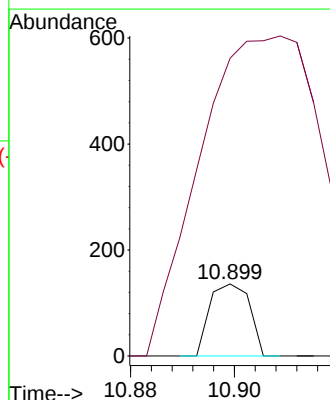
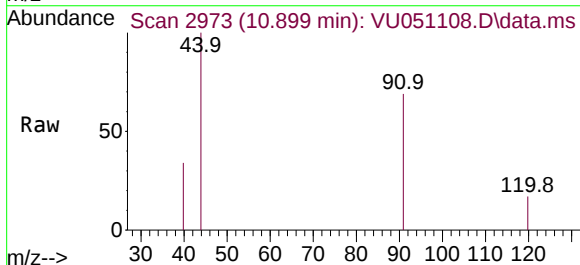
Instrument :
MSVOA_U
ClientSampleId :

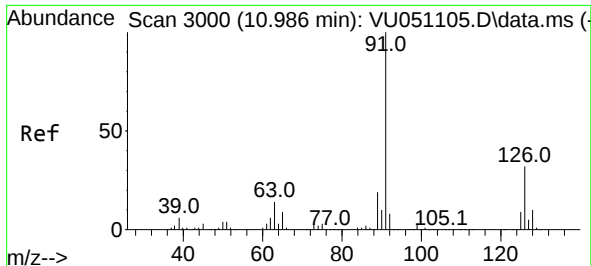
Tgt Ion:156 Resp: 270
Ion Ratio Lower Upper
156 100
77 174.4 0.0 344.4
158 39.3 0.0 192.2



#73
n-propylbenzene
Concen: 0.535 ug/l
RT: 10.899 min Scan# 2973
Delta R.T. -0.007 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion:120 Resp: 72
Ion Ratio Lower Upper
120 100
91 1481.9 367.8 551.6#

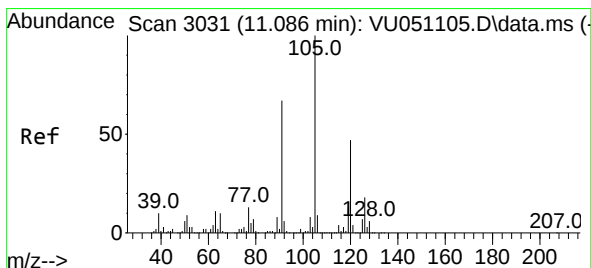
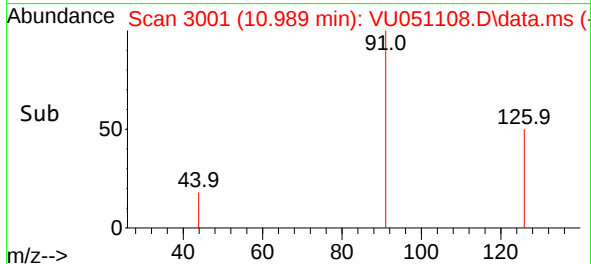
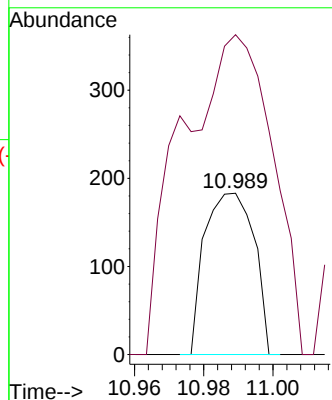
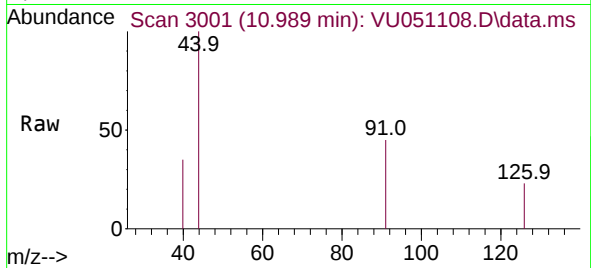




#74
2-Chlorotoluene
Concen: 0.012 ug/l
RT: 10.989 min Scan# 3001
Delta R.T. 0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

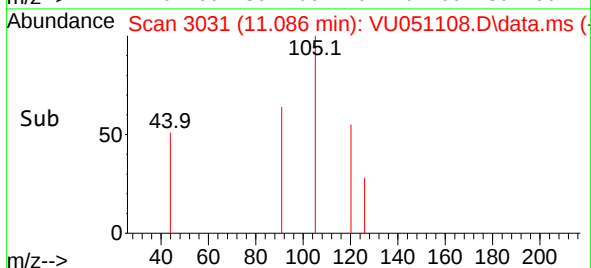
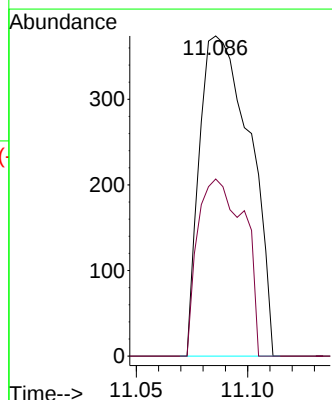
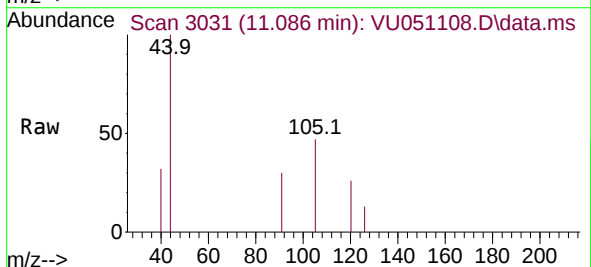
Instrument :
MSVOA_U
ClientSampleId :

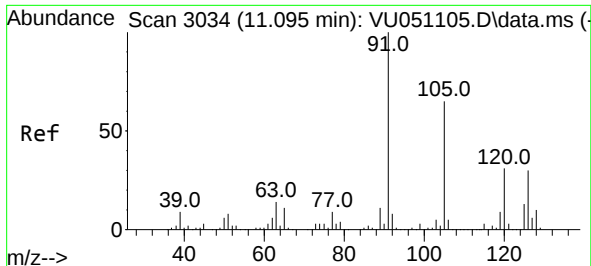
Tgt Ion:126 Resp: 181
Ion Ratio Lower Upper
126 100
91 364.1 0.0 620.6



#75
1,3,5-Trimethylbenzene
Concen: 0.485 ug/l
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

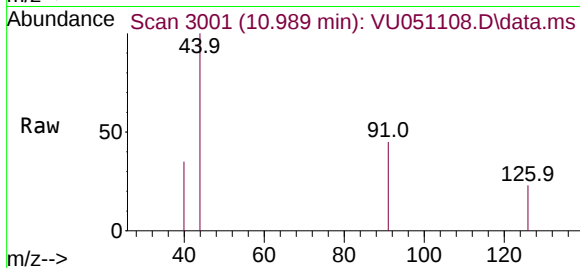
Tgt Ion:105 Resp: 587
Ion Ratio Lower Upper
105 100
120 50.9 37.6 56.4



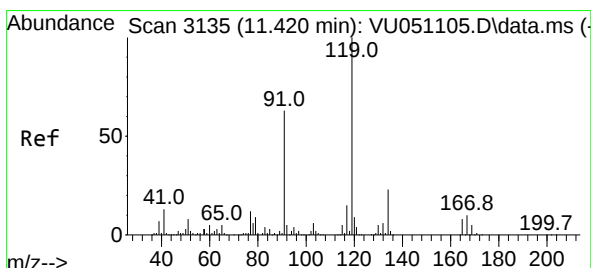
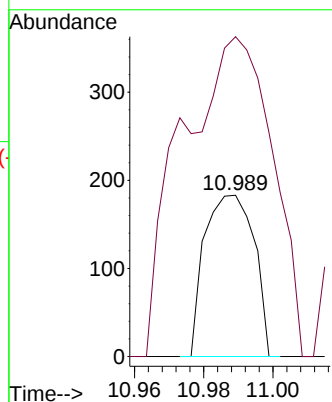
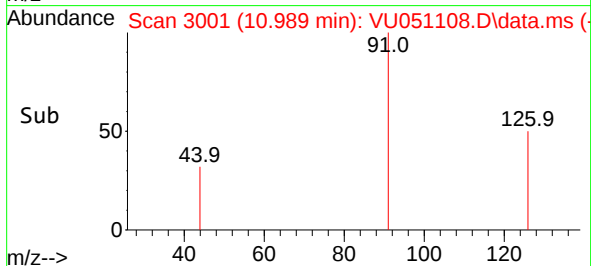


#76
4-Chlorotoluene
Concen: 0.387 ug/l
RT: 10.989 min Scan# 3034
Delta R.T. -0.106 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

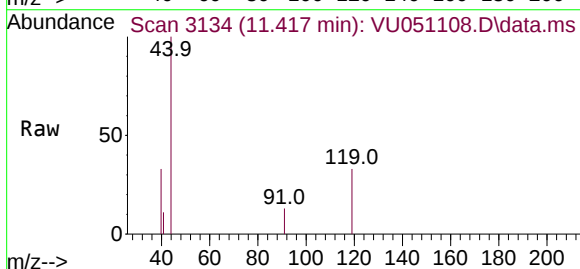
Instrument :
MSVOA_U
ClientSampleId :



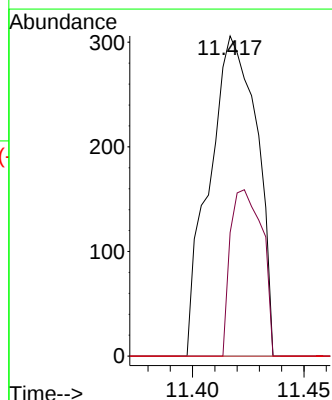
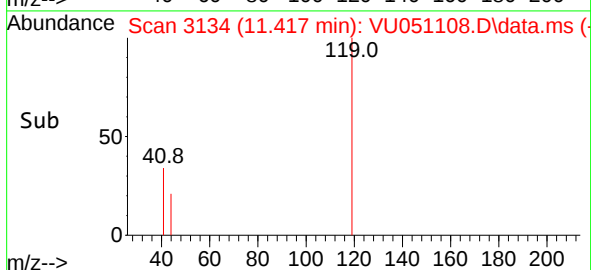
Tgt Ion:126 Resp: 181
Ion Ratio Lower Upper
126 100
91 364.1 0.0 738.8

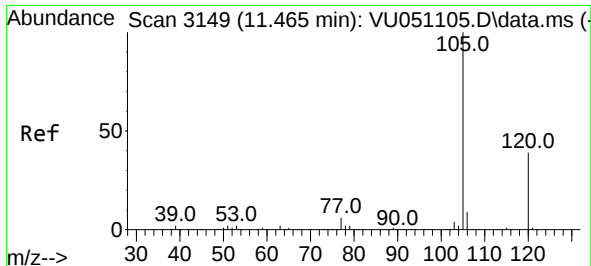


#77
tert-Butylbenzene
Concen: 0.010 ug/l
RT: 11.417 min Scan# 3134
Delta R.T. -0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17



Tgt Ion:119 Resp: 454
Ion Ratio Lower Upper
119 100
91 34.8 30.4 91.3
134 0.0 17.8 26.6#





#78

1,2,4-Trimethylbenzene

Concen: 0.504 ug/l

RT: 11.471 min Scan# 3151

Delta R.T. 0.006 min

Lab File: VU051108.D

Acq: 04 Oct 2022 15:17

Instrument :

MSVOA_U

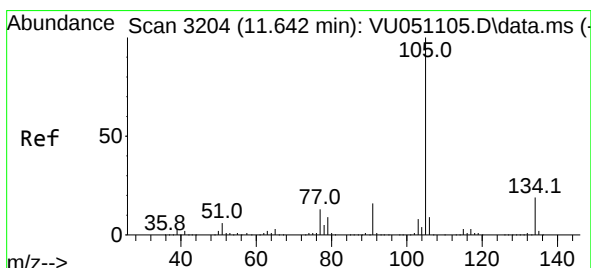
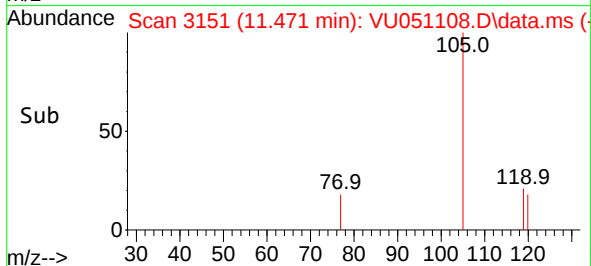
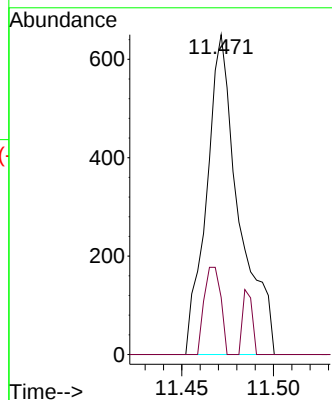
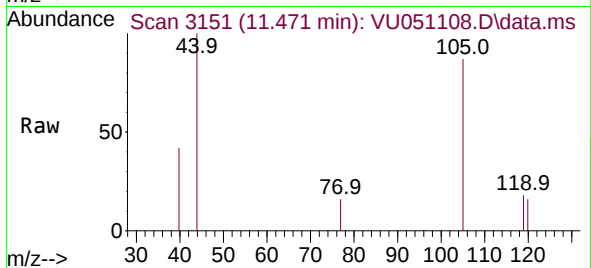
ClientSampleId :

Tgt Ion:105 Resp: 800

Ion Ratio Lower Upper

105 100

120 13.9 21.6 65.0#



#79

sec-Butylbenzene

Concen: 0.449 ug/l

RT: 11.642 min Scan# 3204

Delta R.T. -0.000 min

Lab File: VU051108.D

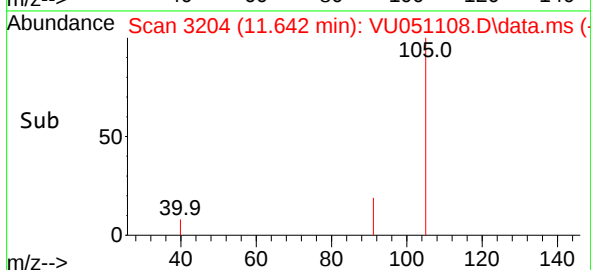
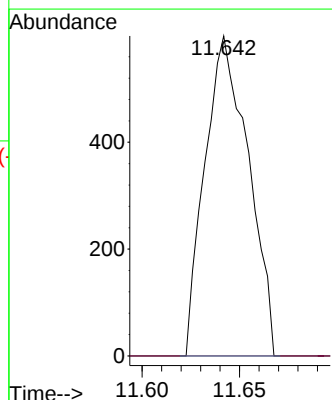
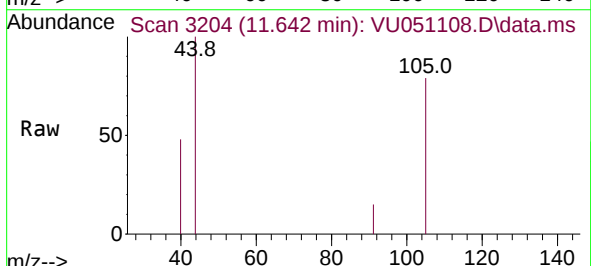
Acq: 04 Oct 2022 15:17

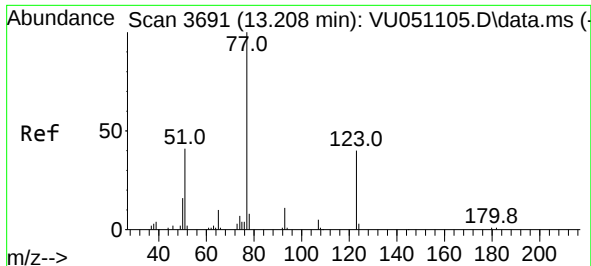
Tgt Ion:105 Resp: 930

Ion Ratio Lower Upper

105 100

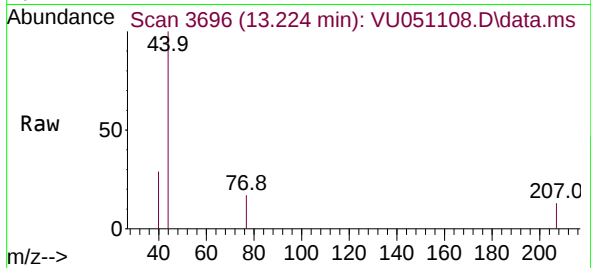
134 6.8 15.4 23.0#



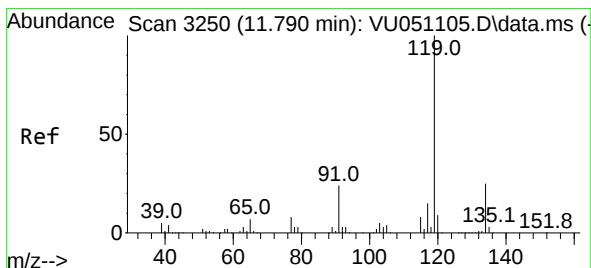
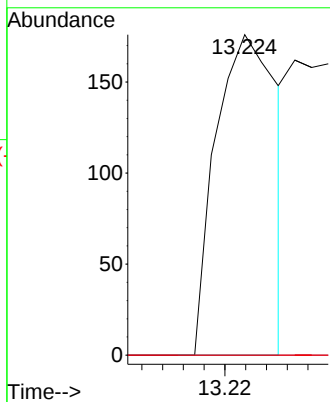
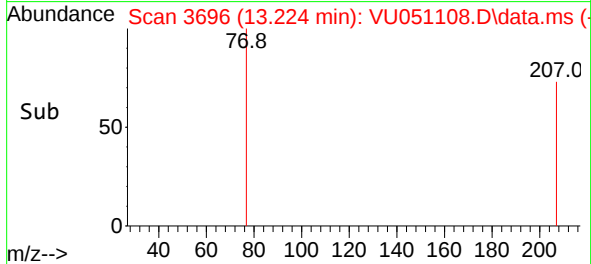


#80
Nitrobenzene
Concen: Below Cal
RT: 13.224 min Scan# 3696
Delta R.T. 0.016 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

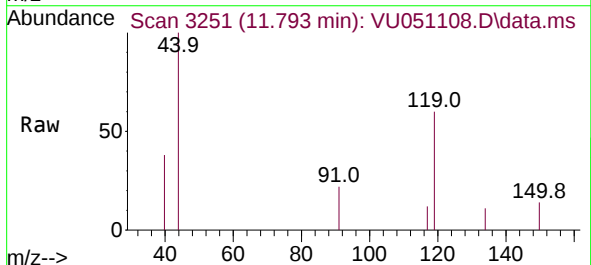
Instrument :
MSVOA_U
ClientSampleId :



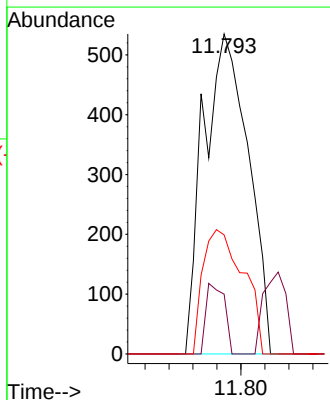
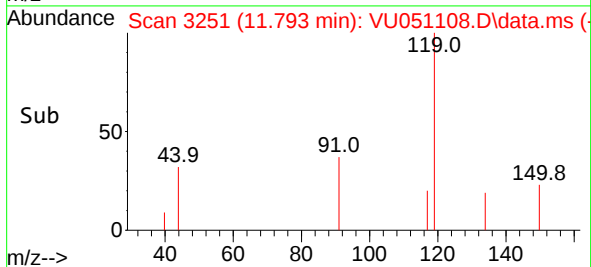
Tgt Ion: 77 Resp: 144
Ion Ratio Lower Upper
77 100
123 0.0 18.1 64.3#
65 0.0 10.8 13.8#

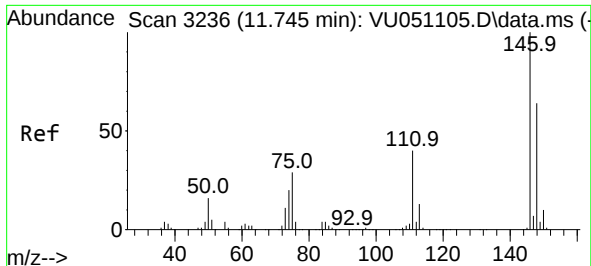


#81
p-Isopropyltoluene
Concen: 0.555 ug/l
RT: 11.793 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17



Tgt Ion: 119 Resp: 695
Ion Ratio Lower Upper
119 100
134 9.1 20.5 30.7#
91 35.1 19.8 29.6#

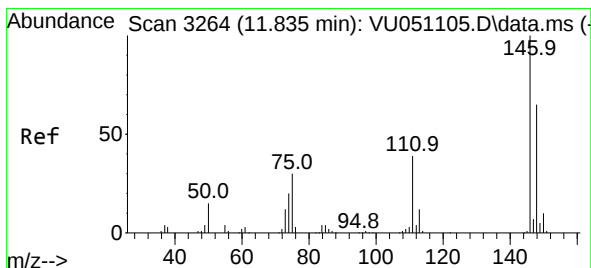
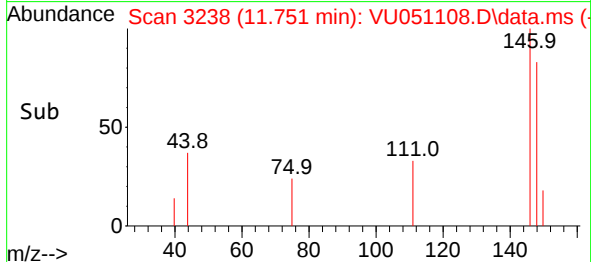
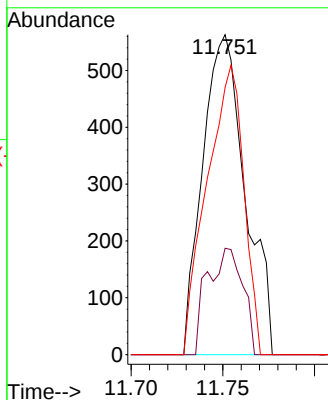
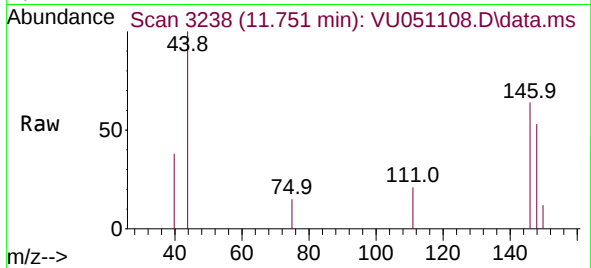




#82
1,3-Dichlorobenzene
Concen: 0.029 ug/l
RT: 11.751 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

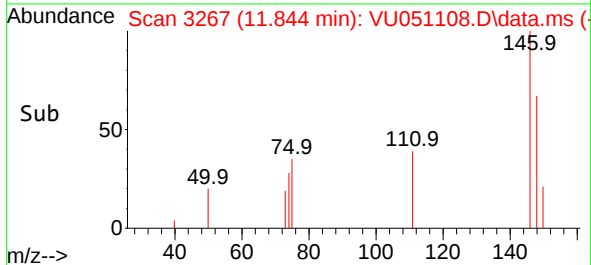
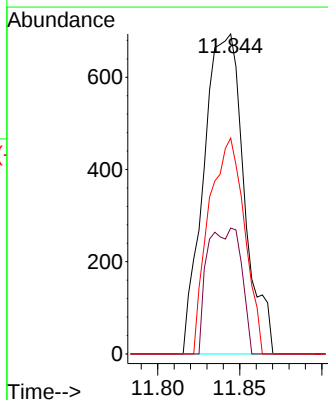
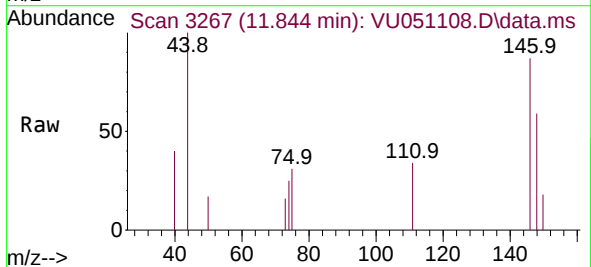
Instrument :
MSVOA_U
ClientSampleId :

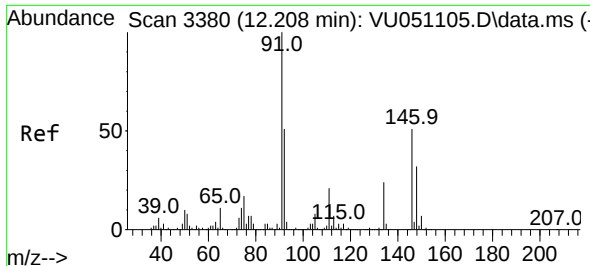
Tgt Ion:146 Resp: 910
Ion Ratio Lower Upper
146 100
111 27.5 33.4 50.2#
148 78.1 51.2 76.8#



#83
1,4-Dichlorobenzene
Concen: 0.038 ug/l
RT: 11.844 min Scan# 3267
Delta R.T. 0.010 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion:146 Resp: 1188
Ion Ratio Lower Upper
146 100
111 19.5 32.6 49.0#
148 59.1 51.6 77.4

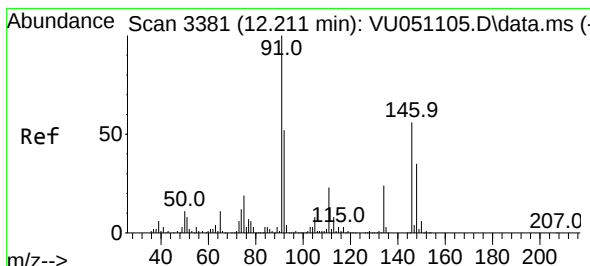
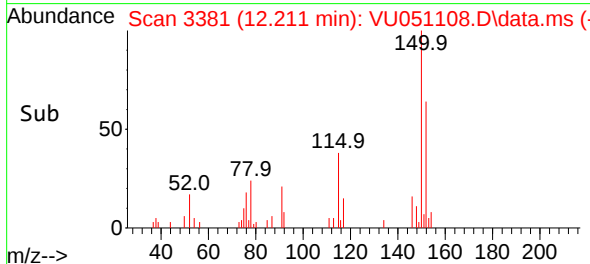
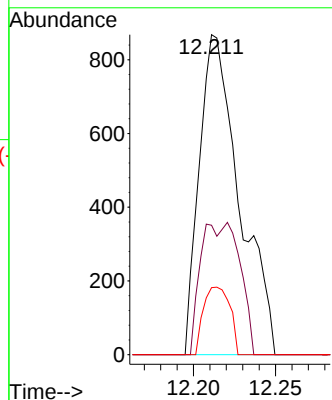
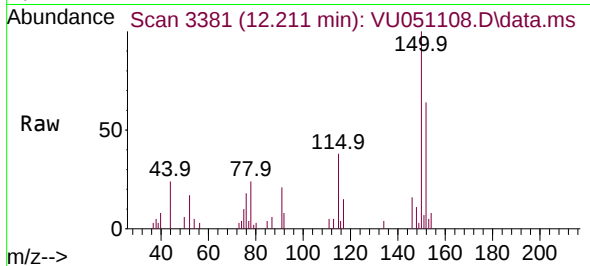




#84
n-Butylbenzene
Concen: 0.604 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

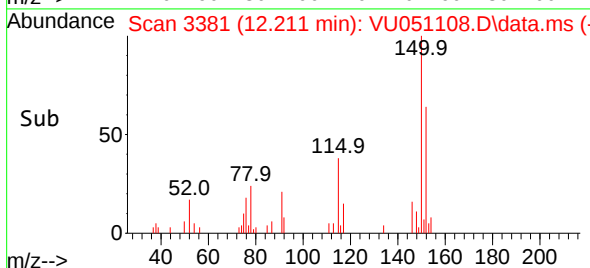
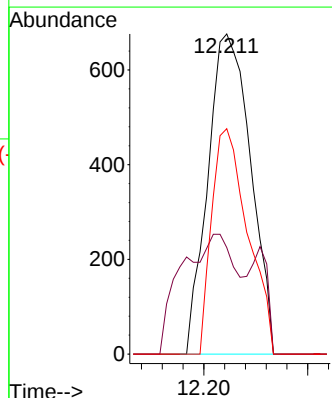
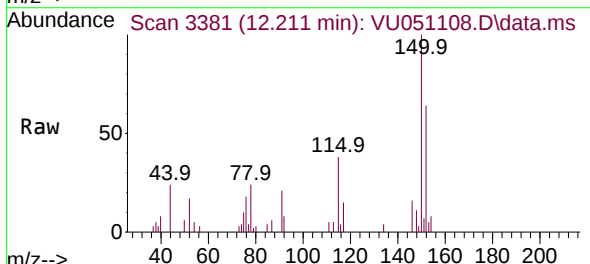
Instrument :
MSVOA_U
ClientSampleId :

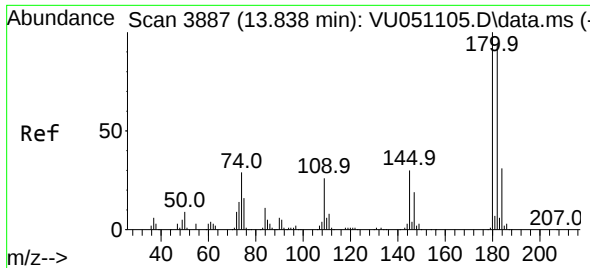
Tgt Ion: 91 Resp: 1473
Ion Ratio Lower Upper
91 100
92 19.0 42.3 63.5#
134 13.8 19.6 29.4#



#85
1,2-Dichlorobenzene
Concen: 0.031 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

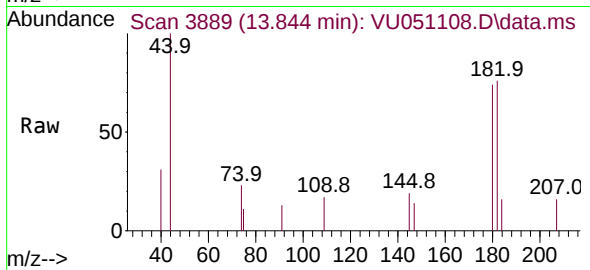
Tgt Ion:146 Resp: 967
Ion Ratio Lower Upper
146 100
111 46.7 22.1 66.1
148 59.5 32.1 96.3



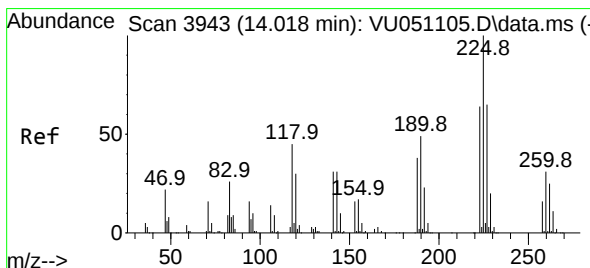
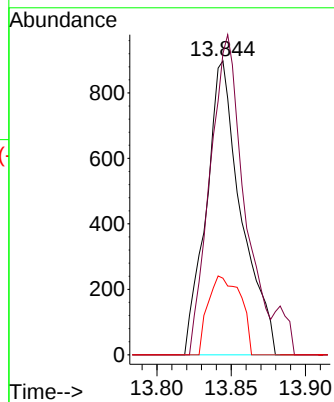
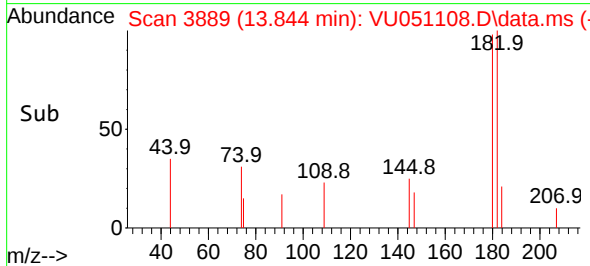


#87
 1,2,4-Trichlorobenzene
 Concen: 0.447 ug/l
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.006 min
 Lab File: VU051108.D
 Acq: 04 Oct 2022 15:17

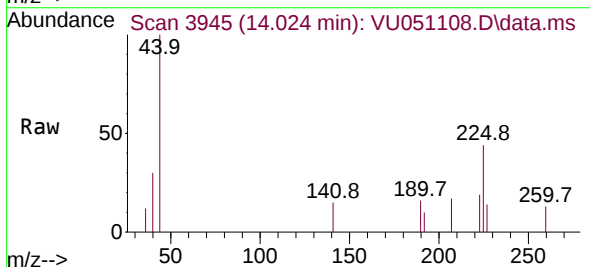
Instrument :
 MSVOA_U
 ClientSampleId :



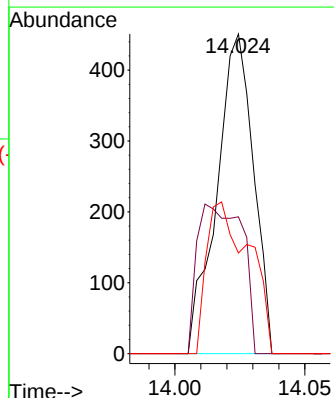
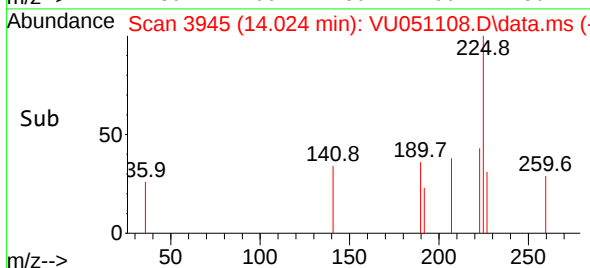
Tgt Ion:180 Resp: 1469
 Ion Ratio Lower Upper
 180 100
 182 106.2 77.0 115.6
 145 24.8 25.7 38.5#

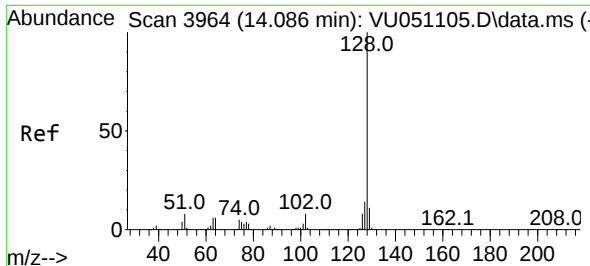


#88
 Hexachlorobutadiene
 Concen: 0.041 ug/l
 RT: 14.024 min Scan# 3945
 Delta R.T. 0.006 min
 Lab File: VU051108.D
 Acq: 04 Oct 2022 15:17



Tgt Ion:225 Resp: 444
 Ion Ratio Lower Upper
 225 100
 223 57.0 50.6 76.0
 227 55.0 50.7 76.1

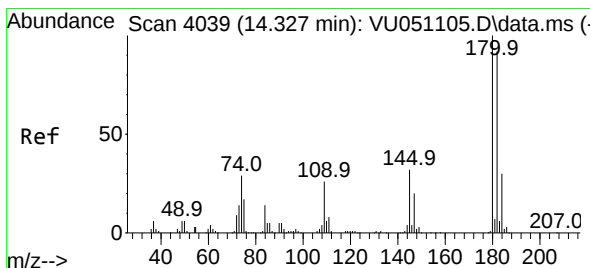
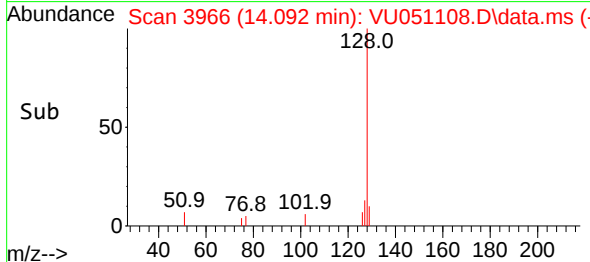
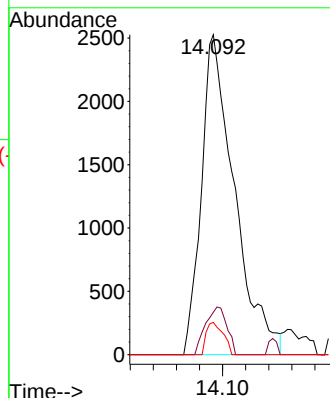
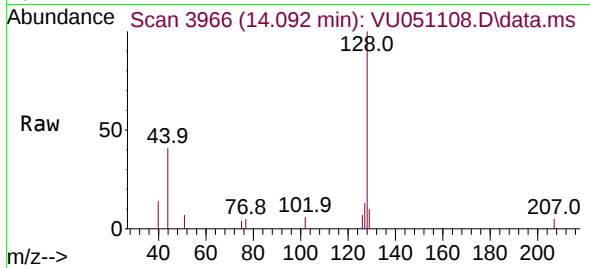




#89
Naphthalene
Concen: 0.165 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 5012
Ion Ratio Lower Upper
128 100
127 9.7 10.1 15.1#
129 5.1 8.6 12.8#



#90
1,2,3-Trichlorobenzene
Concen: 0.426 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051108.D
Acq: 04 Oct 2022 15:17

Tgt Ion:180 Resp: 1627
Ion Ratio Lower Upper
180 100
182 107.1 76.6 114.8
145 26.6 27.3 40.9#

