

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047140.D
 Acq On : 14 Feb 2022 18:54
 Operator : SY/MD
 Sample : N1205-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 15 03:53:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	54166	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	20227	0.964	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	21397	0.979	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	8722	0.470	ug/l	99
4) Vinyl Chloride	1.607	62	329	0.018	ug/l #	79
5) Bromomethane	1.864	94	108380	9.060	ug/l	99
6) Chloroethane	1.941	64	175493	16.682	ug/l	100
9) 1,1-Dichloroethene	2.594	96	241	0.019	ug/l	74
10) Iodomethane	2.732	142	16006	1.856	ug/l	99
12) Acrylonitrile	3.285	53	261	0.069	ug/l #	28
13) Acetone	2.626	43	139	Below Cal	#	41
14) Carbon Disulfide	2.803	76	330	0.008	ug/l #	77
15) Methylene Chloride	3.054	84	2313	0.161	ug/l	93
16) trans-1,2-Dichloroethene	3.353	96	43	0.003	ug/l #	48
17) 1,1-Dichloroethane	3.877	63	391832	15.827	ug/l	98
18) 2-Butanone	4.742	43	157	0.041	ug/l	77
19) Cyclohexane	5.520	56	107	0.005	ug/l #	16
21) 2,2-Dichloropropane	4.671	77	236988	10.711	ug/l	98
22) cis-1,2-Dichloroethene	4.671	96	3238	0.208	ug/l #	1
24) tert-Butyl Alcohol	3.372	59	1855	2.756	ug/l #	1
25) Methyl tert-Butyl Ether	3.372	73	708037	19.720	ug/l	100
26) Bromochloromethane	4.983	128	25578	3.660	ug/l	88
27) Chloroform	5.099	83	1527	0.061	ug/l	91
28) 1,1,1-Trichloroethane	5.320	97	315	0.014	ug/l #	22
29) 1,1-Dichloropropene	5.529	75	359537	18.059	ug/l	99
32) Ethyl-t-butyl ether	4.674	59	247	0.006	ug/l #	34
35) Benzene	5.774	78	1694	0.030	ug/l #	76
37) Trichloroethene	6.549	130	4537	0.294	ug/l	94
38) 1,2-Dichloropropane	6.800	63	108	0.007	ug/l #	44
40) Methyl acrylate	4.886	55	20	0.002	ug/l #	70
41) Tetrahydrofuran	5.073	42	324	0.125	ug/l #	28
42) 1-Chlorobutane	5.520	56	107	0.004	ug/l	88
43) Dibromomethane	6.922	93	148120	18.603	ug/l	91
44) Bromodichloromethane	7.102	83	181	0.010	ug/l #	90
45) 4-Methyl-2-Pentanone	7.790	43	88	0.008	ug/l #	41
46) t-1,4-Dichloro-2-butene	10.825	75	208941	44.571	ug/l #	19
49) Toluene	7.973	92	634	0.018	ug/l	90
50) t-1,3-Dichloropropene	8.214	75	295008	14.473	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	420259	18.392	ug/l	98
52) 1,1,2-Trichloroethane	8.401	97	221	0.019	ug/l #	36
53) 1,3-Dichloropropane	8.578	76	359250	17.700	ug/l	100
54) 2-Hexanone	8.693	43	386	0.048	ug/l #	31
58) Tetrachloroethene	8.558	164	1820	0.128	ug/l	98
59) Chlorobenzene	9.455	112	425	0.011	ug/l #	43
60) 1,1,1,2-Tetrachloroethane	9.536	131	260113	18.861	ug/l	99
61) Pentachloroethane	11.423	117	11906	1.137	ug/l #	33

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047140.D
 Acq On : 14 Feb 2022 18:54
 Operator : SY/MD
 Sample : N1205-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 15 03:53:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

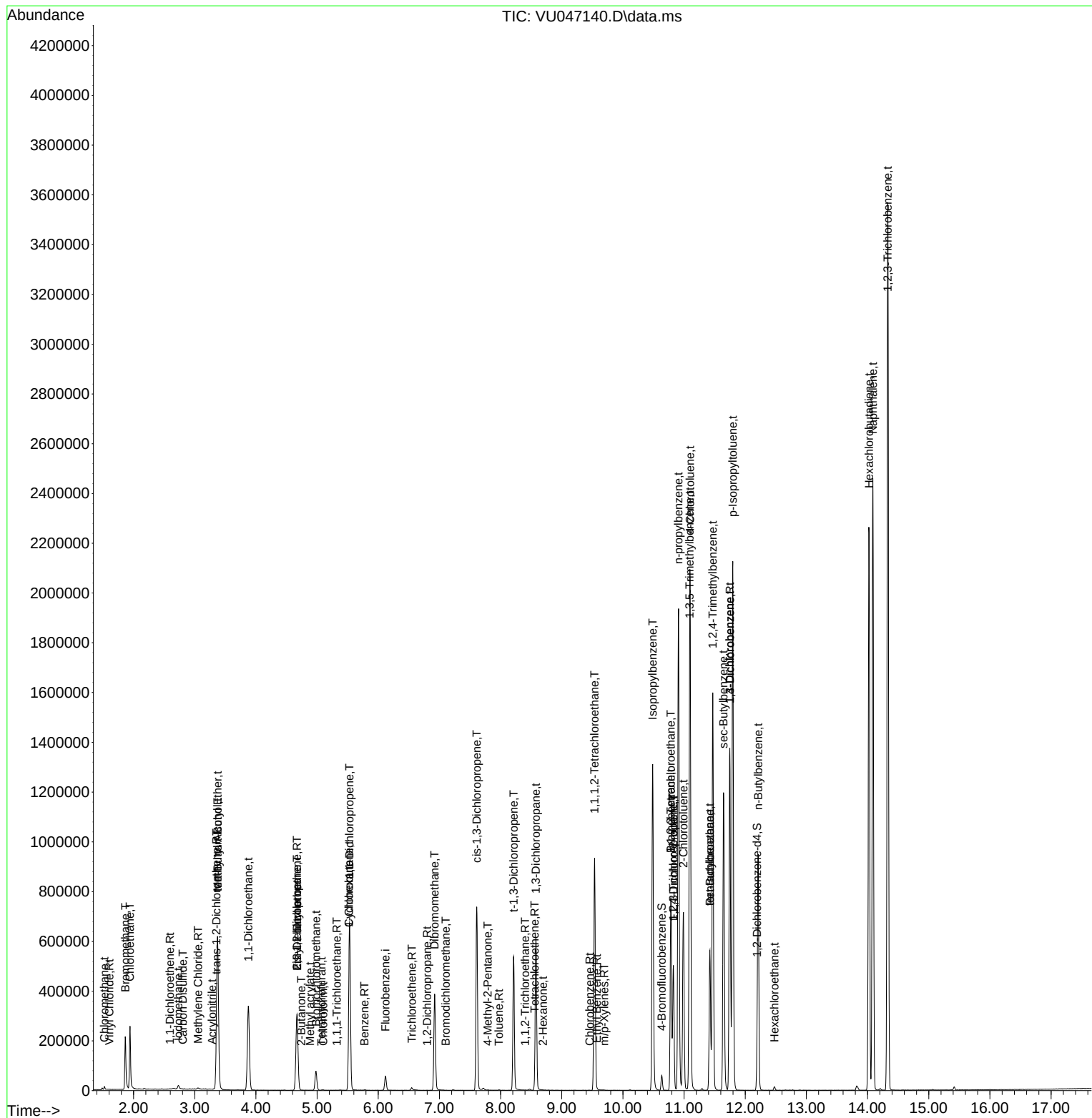
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Hexachloroethane	12.478	117	3076	0.272	ug/l #	82
63) Ethyl Benzene	9.574	91	1285	0.018	ug/l	94
64) m/p-Xylenes	9.697	106	299	0.011	ug/l	88
69) Isopropylbenzene	10.487	105	914177	13.051	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	280694	18.276	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	208941	16.119	ug/l	85
72) Bromobenzene	10.783	156	63059	3.686	ug/l	88
73) n-propylbenzene	10.909	120	365330	18.945	ug/l	87
74) 2-Chlorotoluene	10.989	126	141876	8.630	ug/l	91
75) 1,3,5-Trimethylbenzene	11.089	105	448112	7.801	ug/l	99
76) 4-Chlorotoluene	11.098	126	301187	17.438	ug/l	75
77) tert-Butylbenzene	11.423	119	286504	4.970	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	879070	14.995	ug/l	97
79) sec-Butylbenzene	11.645	105	864332	11.292	ug/l	98
81) p-Isopropyltoluene	11.796	119	1240642	19.155	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	572507	17.190	ug/l	98
83) 1,4-Dichlorobenzene	11.748	146	572507	17.065	ug/l	99
84) n-Butylbenzene	12.211	91	515795	8.293	ug/l	97
88) Hexachlorobutadiene	14.024	225	427324	33.206	ug/l	98
89) Naphthalene	14.085	128	1917802	37.197	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	1088438	48.209	ug/l	97

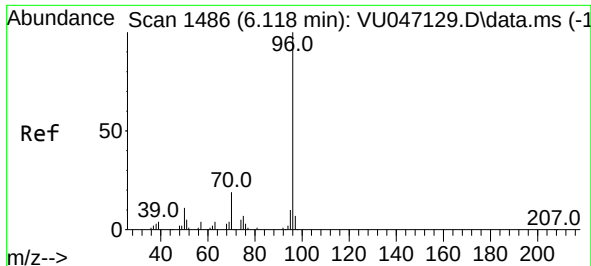
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047140.D
 Acq On : 14 Feb 2022 18:54
 Operator : SY/MD
 Sample : N1205-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

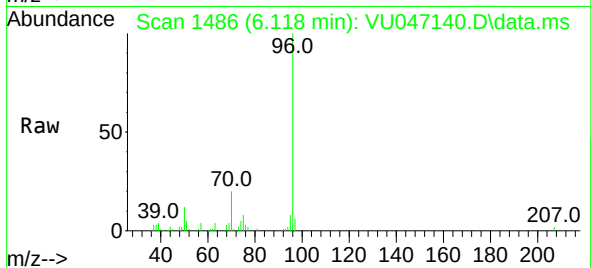
Quant Time: Feb 15 03:53:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration



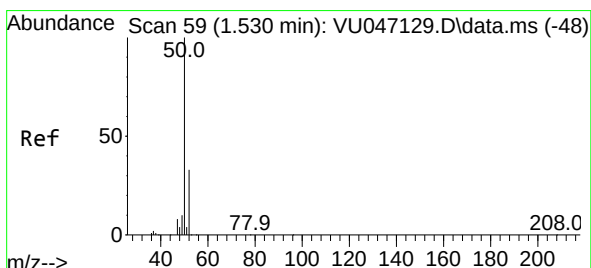
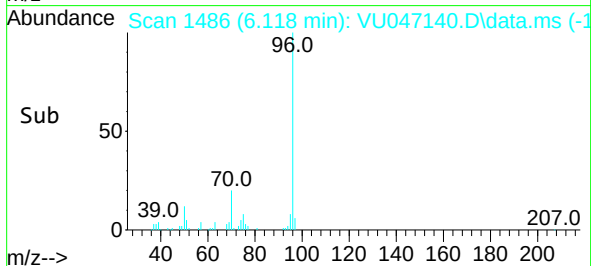
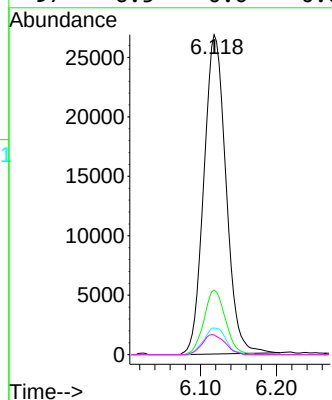


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Instrument :
MSVOA_U
ClientSampleId :

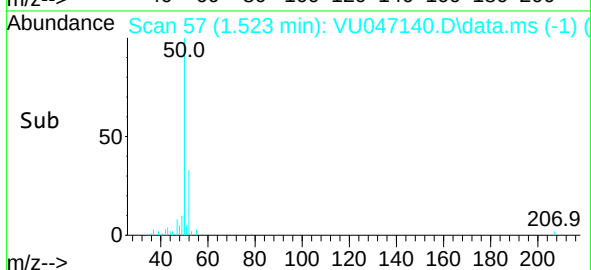
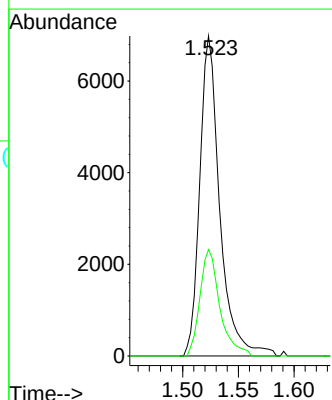
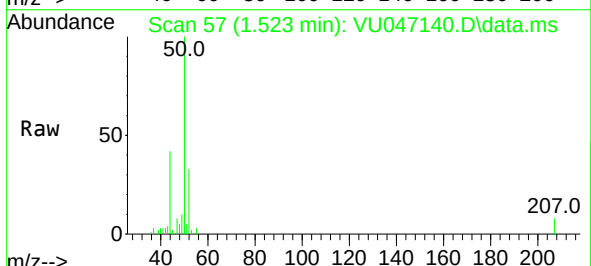


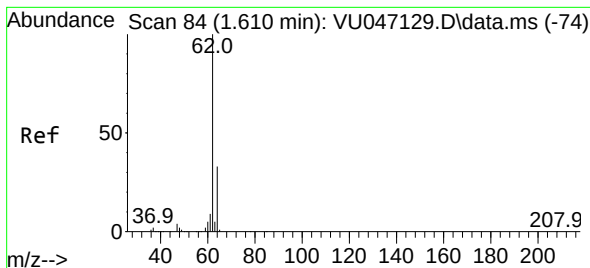
Tgt Ion: 96 Resp: 54166
Ion Ratio Lower Upper
96 100
70 19.8 16.8 25.2
95 8.5 7.3 10.9
97 6.5 0.0 0.0#



#3
Chloromethane
Concen: 0.470 ug/l
RT: 1.523 min Scan# 57
Delta R.T. -0.007 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion: 50 Resp: 8722
Ion Ratio Lower Upper
50 100
52 33.2 26.2 39.4





#4

Vinyl Chloride

Concen: 0.018 ug/l

RT: 1.607 min Scan# 84

Delta R.T. -0.003 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

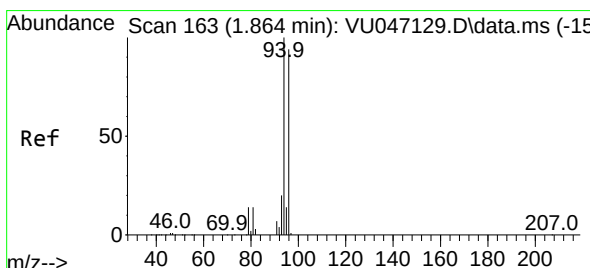
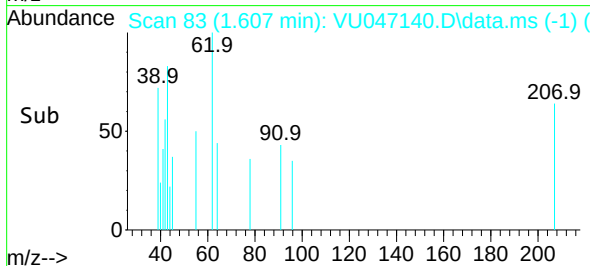
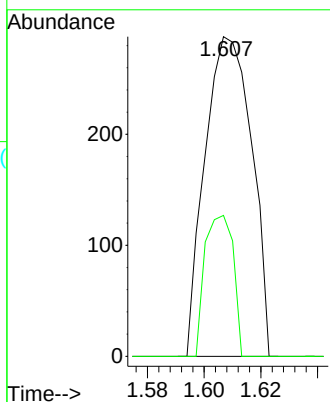
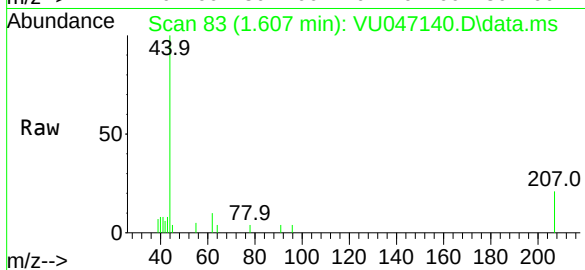
ClientSampleId :

Tgt Ion: 62 Resp: 329

Ion Ratio Lower Upper

62 100

64 44.1 26.0 39.0#



#5

Bromomethane

Concen: 9.060 ug/l

RT: 1.864 min Scan# 163

Delta R.T. -0.000 min

Lab File: VU047140.D

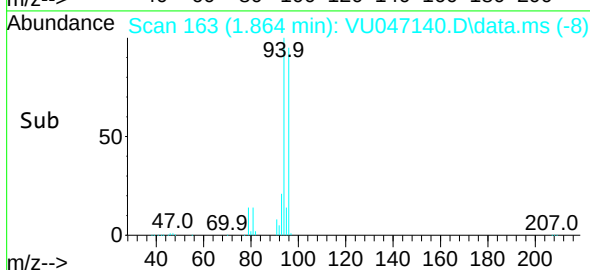
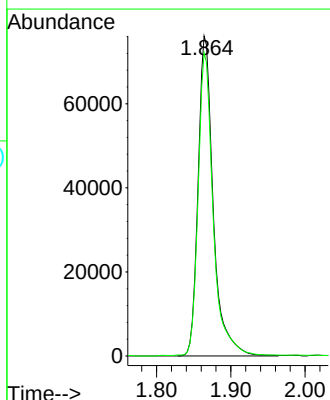
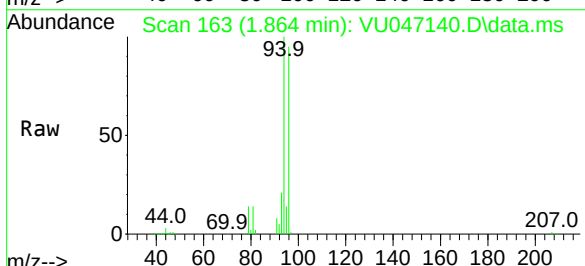
Acq: 14 Feb 2022 18:54

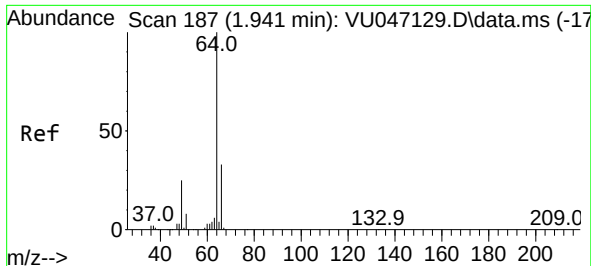
Tgt Ion: 94 Resp: 108380

Ion Ratio Lower Upper

94 100

96 94.4 75.0 112.4

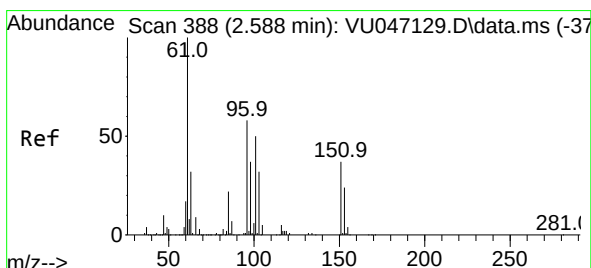
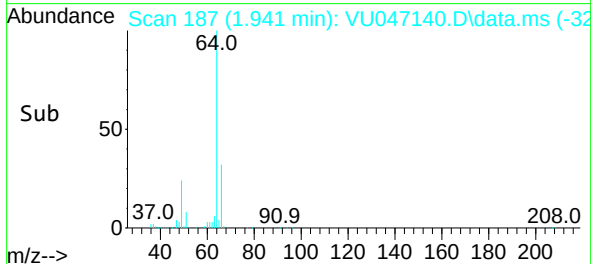
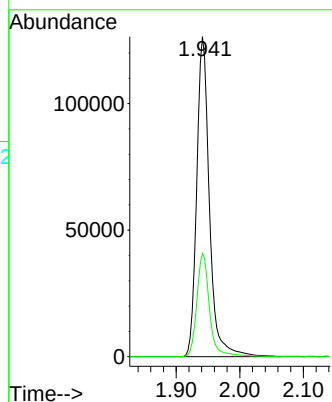
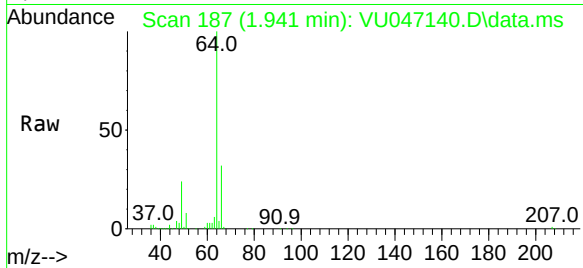




#6
Chloroethane
Concen: 16.682 ug/l
RT: 1.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

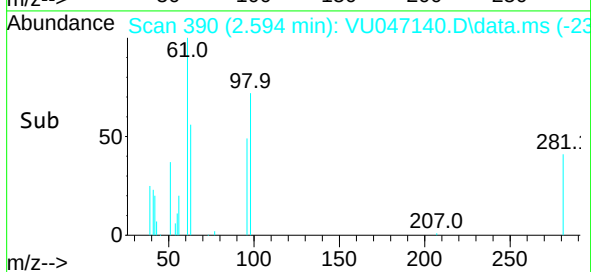
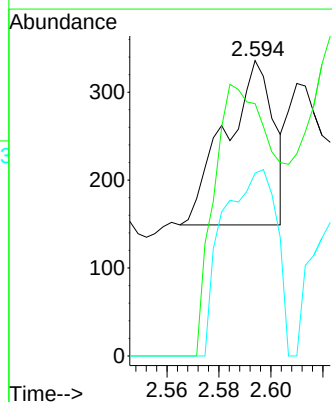
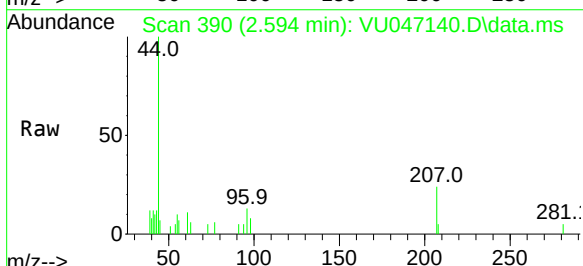
Instrument :
MSVOA_U
ClientSampleId :

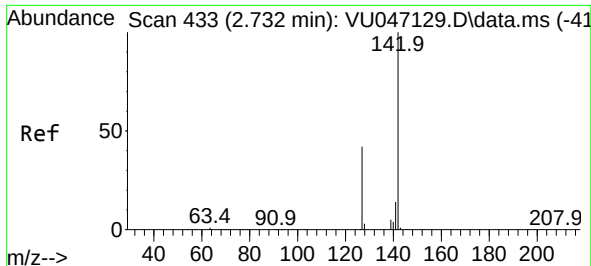
Tgt Ion: 64 Resp: 175493
Ion Ratio Lower Upper
64 100
66 32.3 25.8 38.8



#9
1,1-Dichloroethene
Concen: 0.019 ug/l
RT: 2.594 min Scan# 390
Delta R.T. 0.006 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

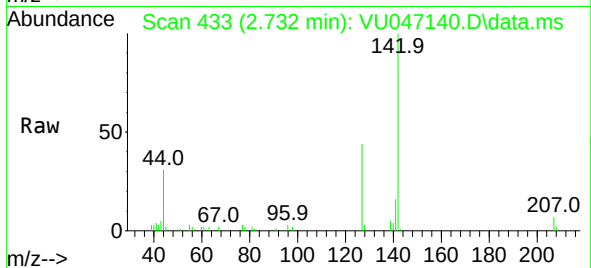
Tgt Ion: 96 Resp: 241
Ion Ratio Lower Upper
96 100
61 153.5 0.0 514.2
98 111.2 0.0 126.4



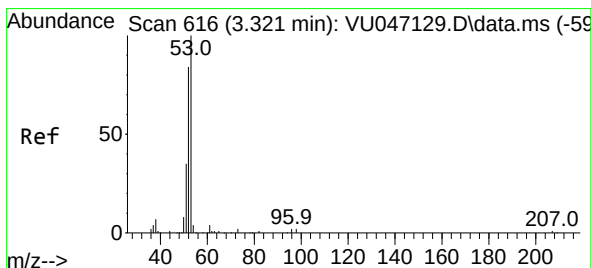
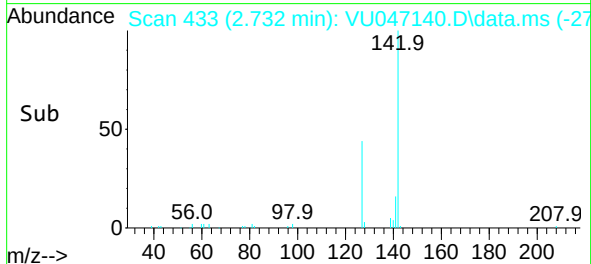
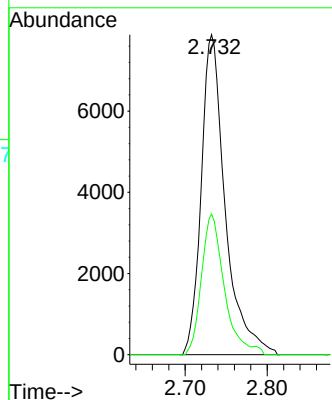


#10
Iodomethane
Concen: 1.856 ug/l
RT: 2.732 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Instrument :
MSVOA_U
ClientSampleId :

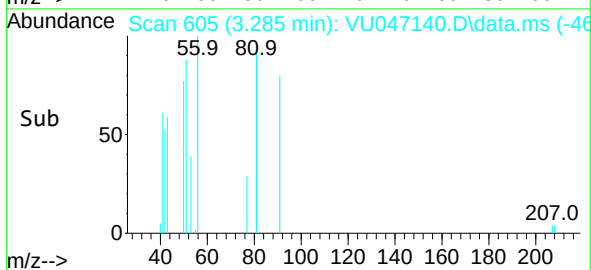
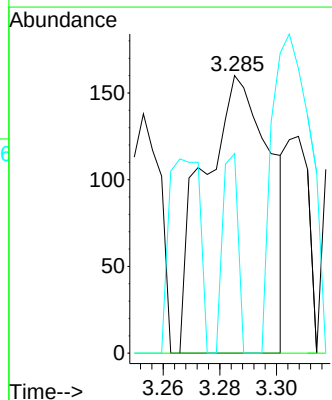
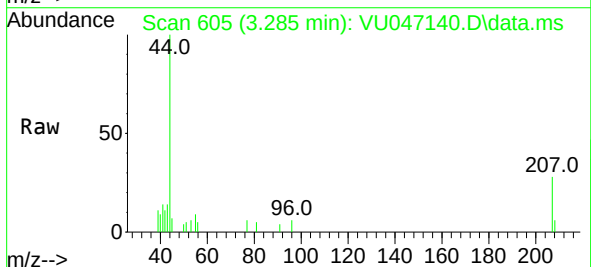


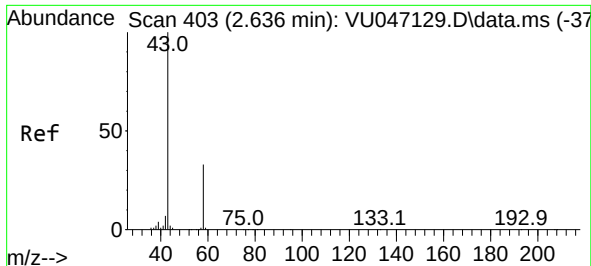
Tgt Ion:142 Resp: 16006
Ion Ratio Lower Upper
142 100
127 42.0 33.2 49.8



#12
Acrylonitrile
Concen: 0.069 ug/l
RT: 3.285 min Scan# 605
Delta R.T. -0.036 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion: 53 Resp: 261
Ion Ratio Lower Upper
53 100
52 0.0 56.7 85.1#
51 66.3 30.3 45.5#





#13

Acetone

Concen: Below Cal

RT: 2.626 min Scan# 403

Delta R.T. -0.010 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

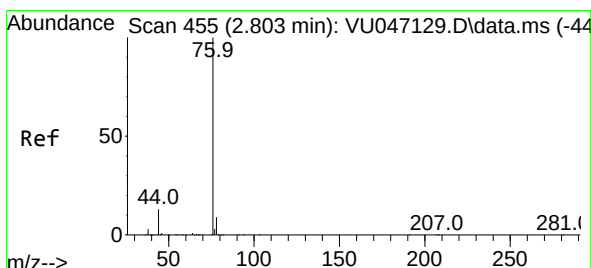
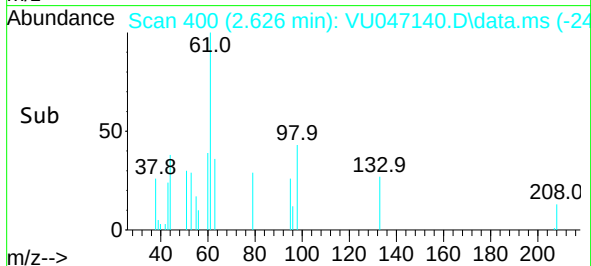
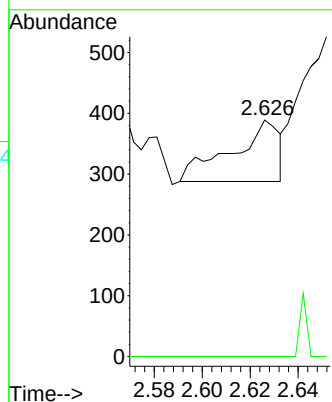
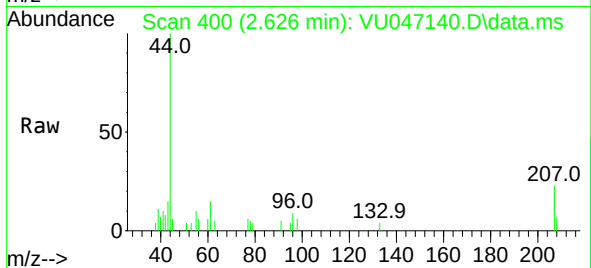
ClientSampleId :

Tgt Ion: 43 Resp: 139

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



#14

Carbon Disulfide

Concen: 0.008 ug/l

RT: 2.803 min Scan# 455

Delta R.T. -0.000 min

Lab File: VU047140.D

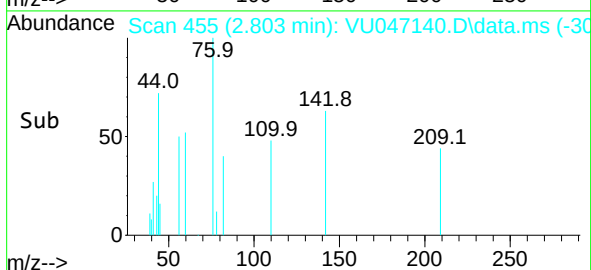
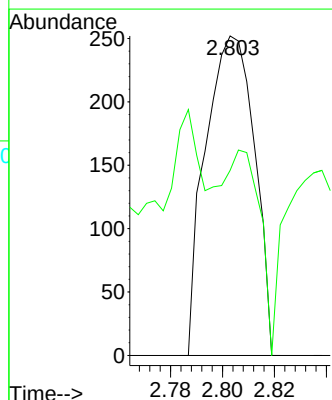
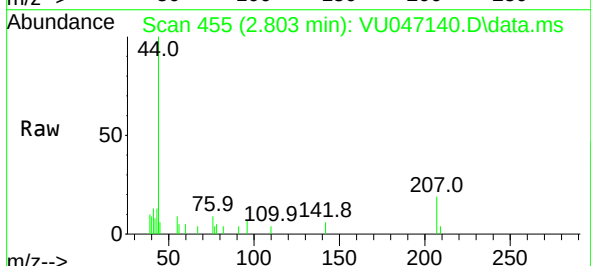
Acq: 14 Feb 2022 18:54

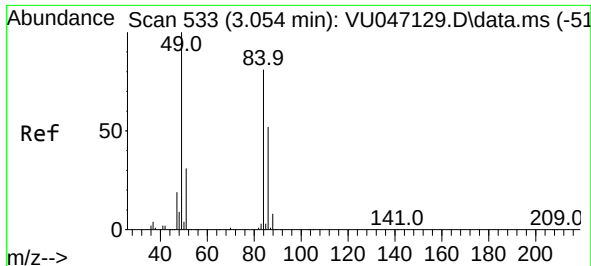
Tgt Ion: 76 Resp: 330

Ion Ratio Lower Upper

76 100

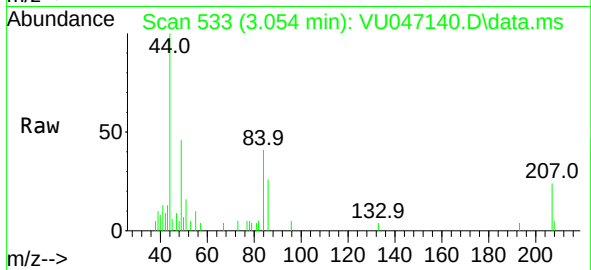
78 17.1 7.1 10.7#





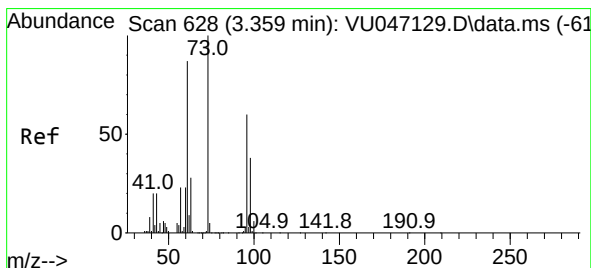
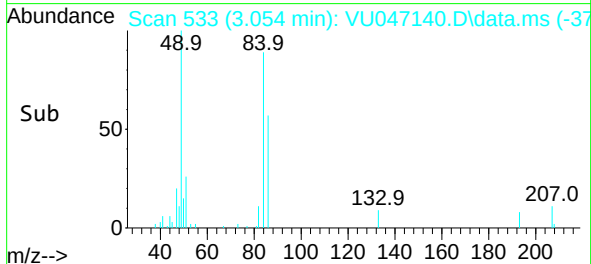
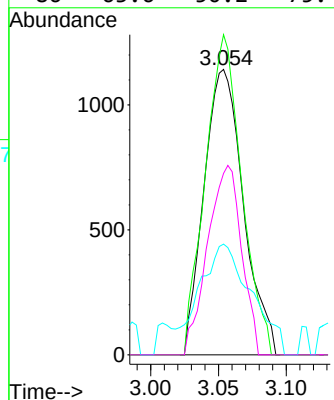
#15
Methylene Chloride
Concen: 0.161 ug/l
RT: 3.054 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 2313

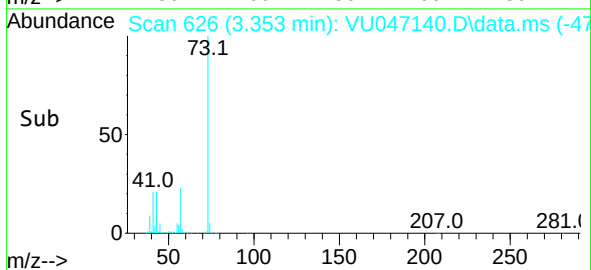
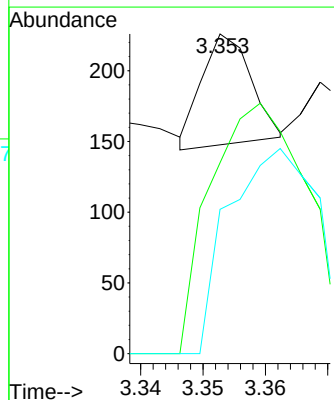
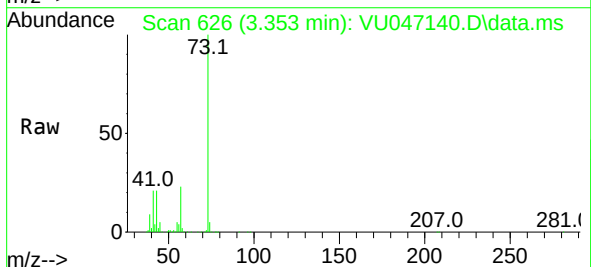
Ion	Ratio	Lower	Upper
84	100		
49	112.2	97.2	145.8
51	29.5	0.0	73.4
86	63.6	50.2	75.4

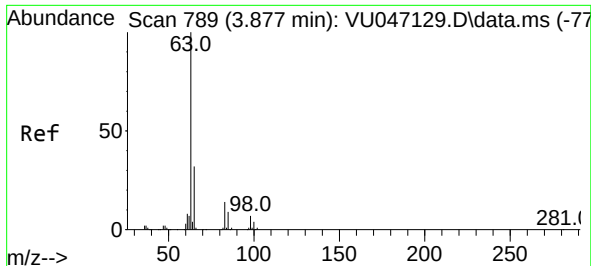


#16
trans-1,2-Dichloroethene
Concen: 0.003 ug/l
RT: 3.353 min Scan# 626
Delta R.T. -0.007 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion: 96 Resp: 43

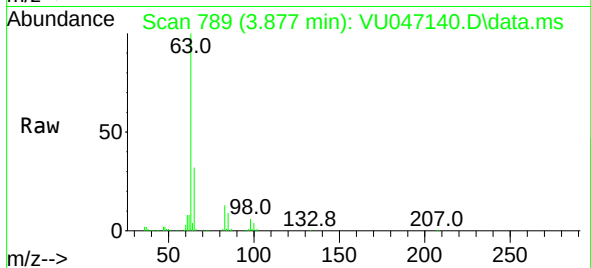
Ion	Ratio	Lower	Upper
96	100		
61	184.9	115.8	173.6#
98	139.7	51.1	76.7#



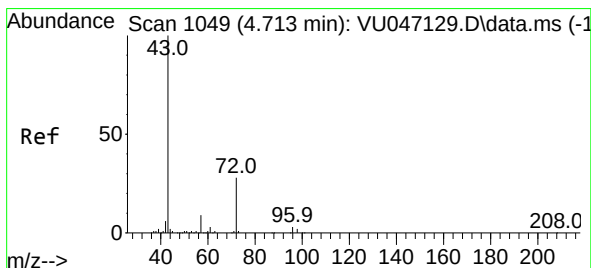
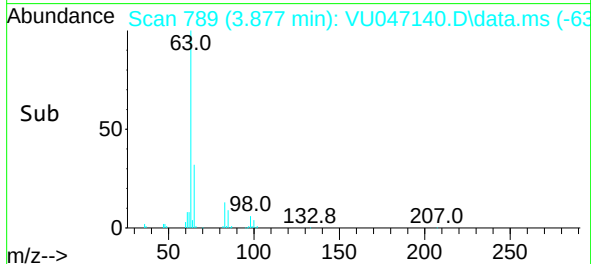
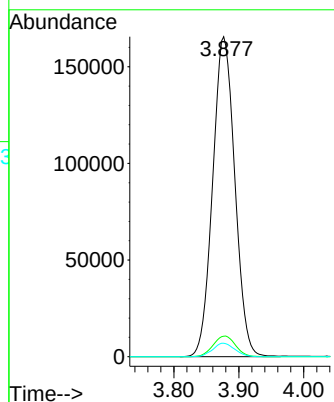


#17
1,1-Dichloroethane
Concen: 15.827 ug/l
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Instrument :
MSVOA_U
ClientSampleId :

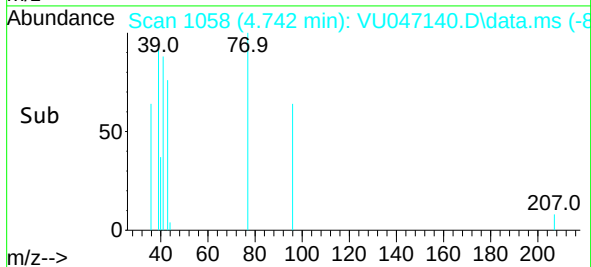
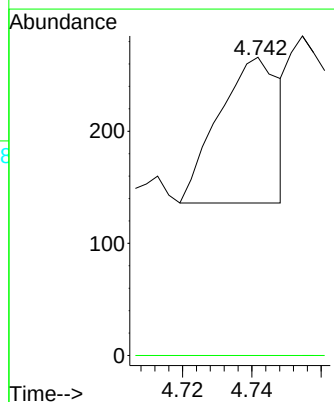
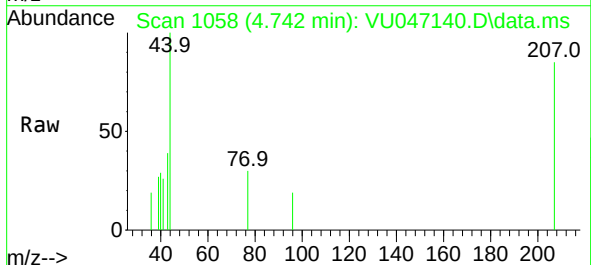


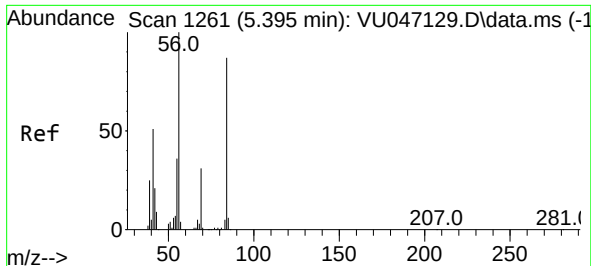
Tgt Ion: 63 Resp: 391832
Ion Ratio Lower Upper
63 100
98 6.4 3.6 10.8
100 4.2 2.1 6.5



#18
2-Butanone
Concen: 0.041 ug/l
RT: 4.742 min Scan# 1058
Delta R.T. 0.029 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
57 0.0 0.0 16.6





#19

Cyclohexane

Concen: 0.005 ug/l

RT: 5.520 min Scan# 11

Delta R.T. 0.125 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :

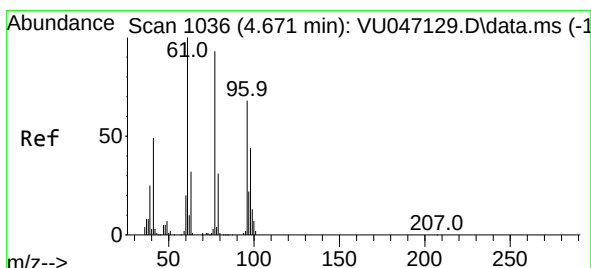
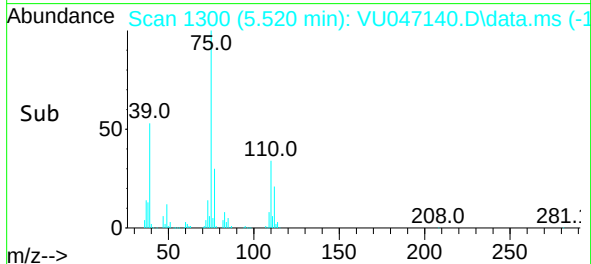
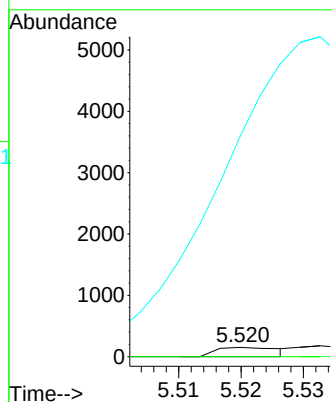
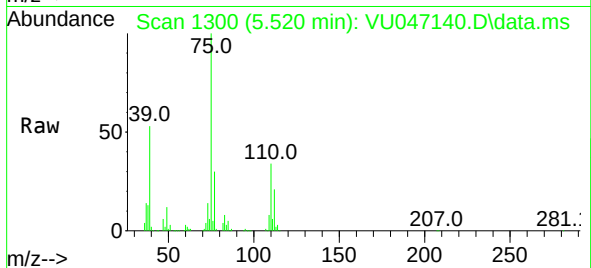
Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

56 100

69 0.0 24.7 37.1#

84 0.0 68.8 103.2#



#21

2,2-Dichloropropane

Concen: 10.711 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047140.D

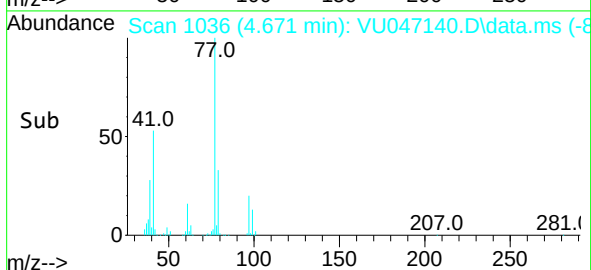
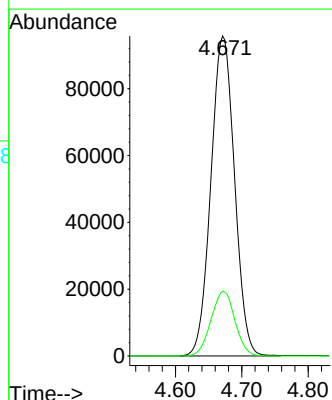
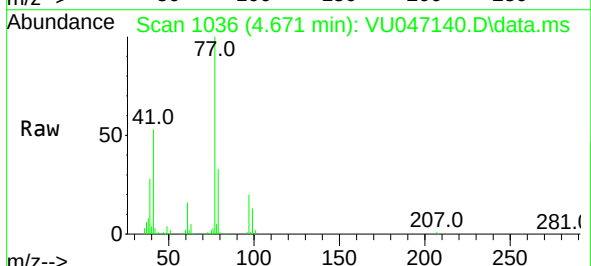
Acq: 14 Feb 2022 18:54

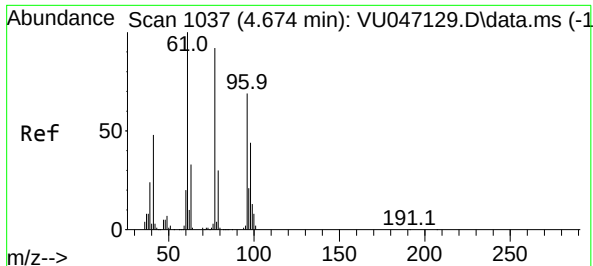
Tgt Ion: 77 Resp: 236988

Ion Ratio Lower Upper

77 100

97 20.5 17.2 25.8





#22

cis-1,2-Dichloroethene

Concen: 0.208 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

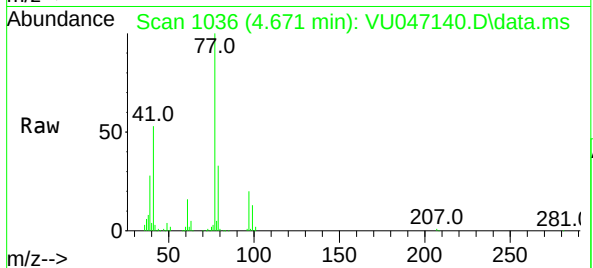
Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

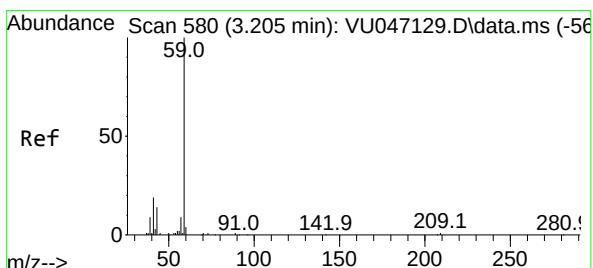
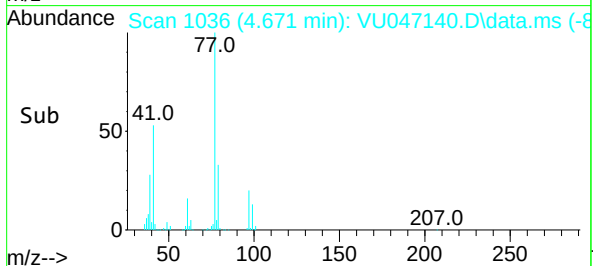
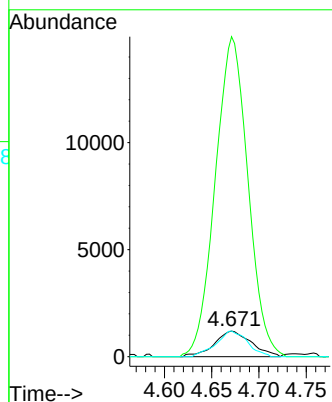
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	3238
Ion	Ratio	Lower	Upper
96	100		
61	1109.1	0.0	385.3#
98	85.7	32.1	96.3



#24

tert-Butyl Alcohol

Concen: 2.756 ug/l

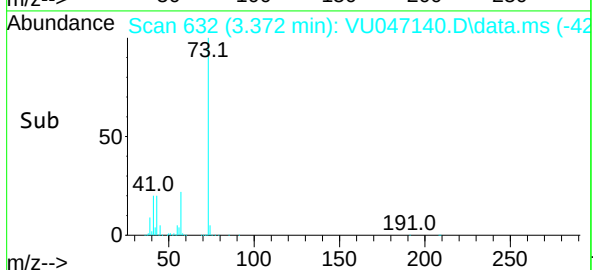
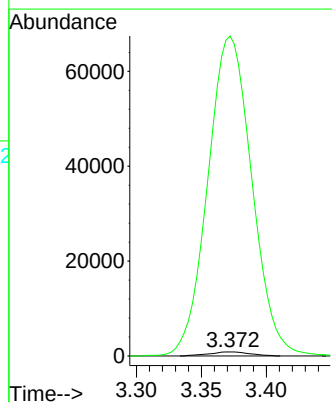
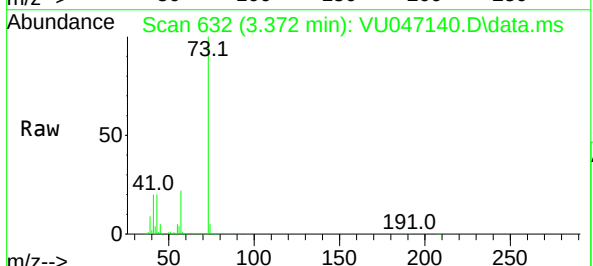
RT: 3.372 min Scan# 632

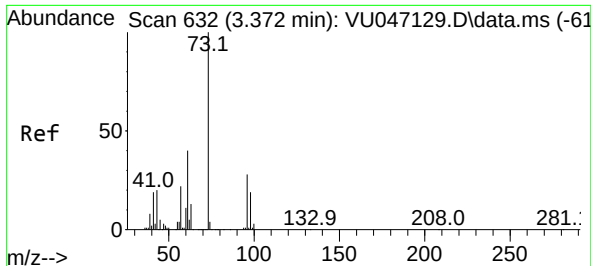
Delta R.T. 0.167 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Tgt Ion:	59	Resp:	1855
Ion	Ratio	Lower	Upper
59	100		
57	8606.9	6.5	9.7#





#25

Methyl tert-Butyl Ether

Concen: 19.720 ug/l

RT: 3.372 min Scan# 61

Delta R.T. -0.000 min

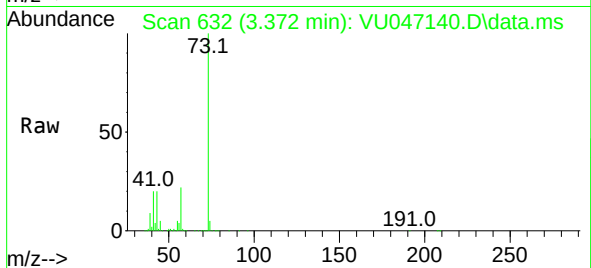
Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :

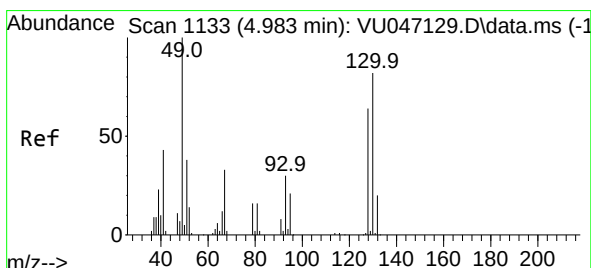
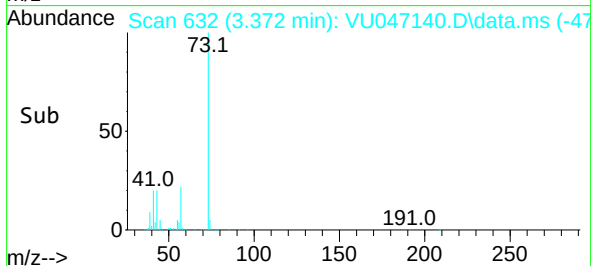
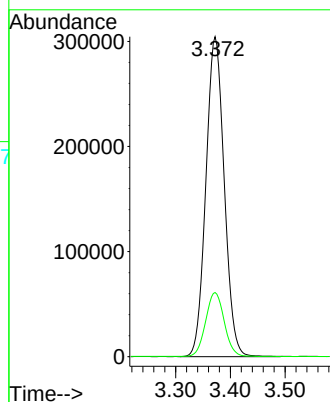


Tgt Ion: 73 Resp: 708037

Ion Ratio Lower Upper

73 100

43 20.2 16.3 24.5



#26

Bromochloromethane

Concen: 3.660 ug/l

RT: 4.983 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

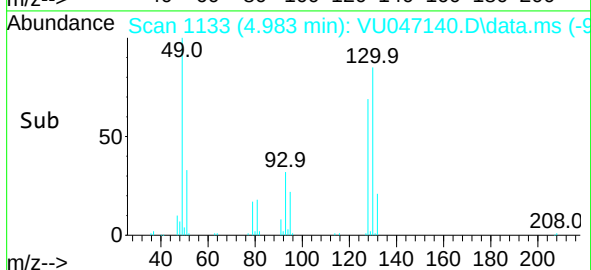
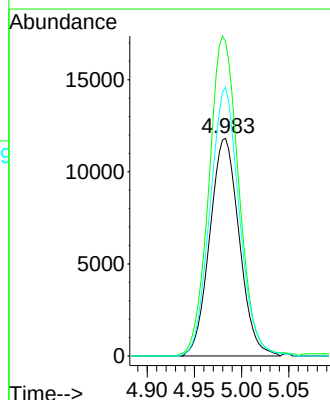
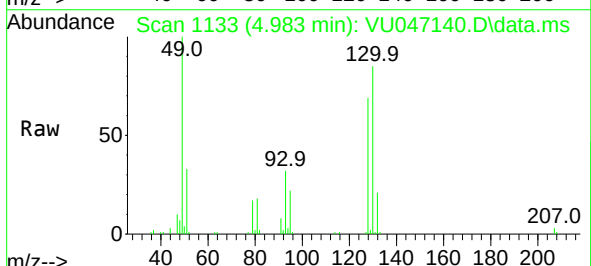
Tgt Ion: 128 Resp: 25578

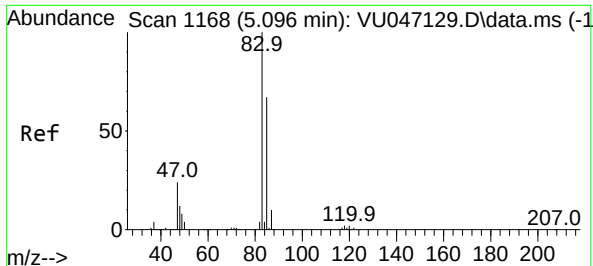
Ion Ratio Lower Upper

128 100

49 148.8 0.0 347.4

130 123.0 101.5 152.3





#27

Chloroform

Concen: 0.061 ug/l

RT: 5.099 min Scan# 1168

Delta R.T. 0.003 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

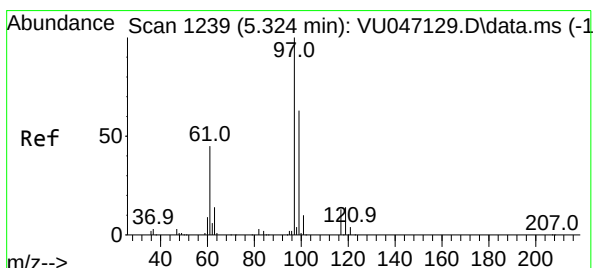
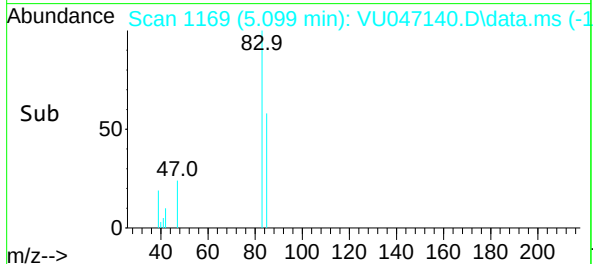
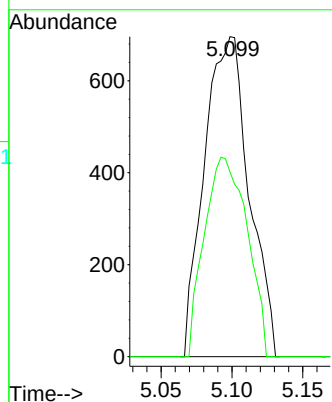
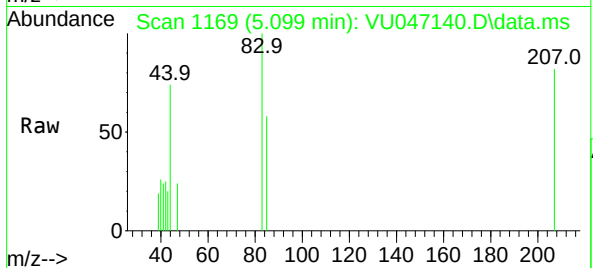
ClientSampleId :

Tgt Ion: 83 Resp: 1527

Ion Ratio Lower Upper

83 100

85 57.8 0.0 129.2



#28

1,1,1-Trichloroethane

Concen: 0.014 ug/l

RT: 5.320 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

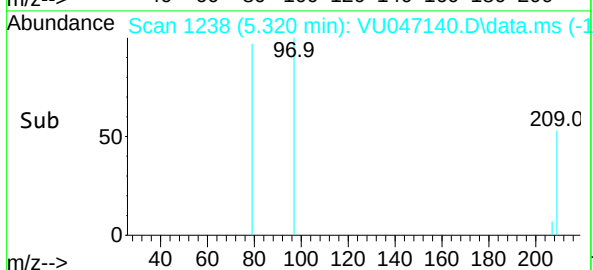
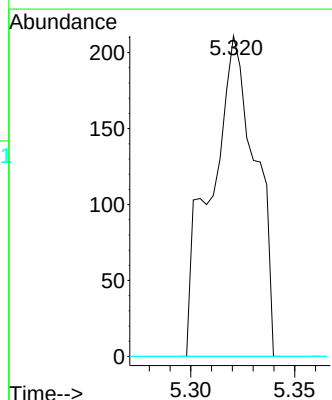
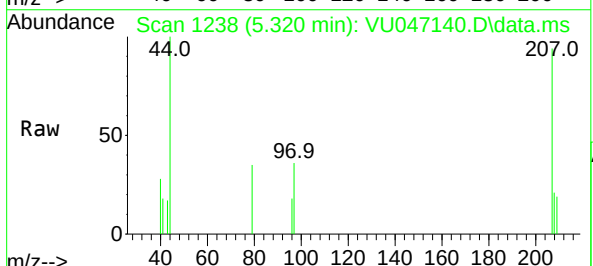
Tgt Ion: 97 Resp: 315

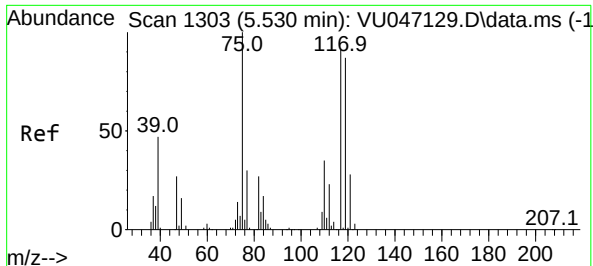
Ion Ratio Lower Upper

97 100

99 0.0 32.2 96.6#

61 0.0 24.5 73.5#





#29

1,1-Dichloropropene

Concen: 18.059 ug/l

RT: 5.529 min Scan# 11

Delta R.T. -0.000 min

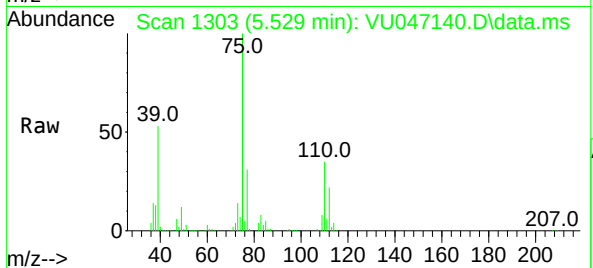
Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :



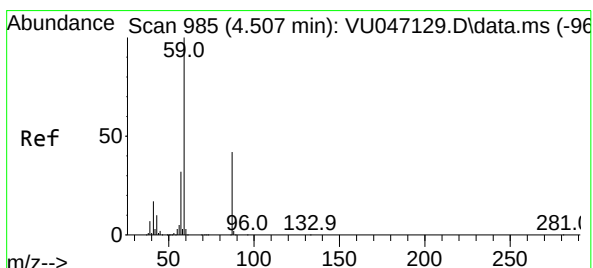
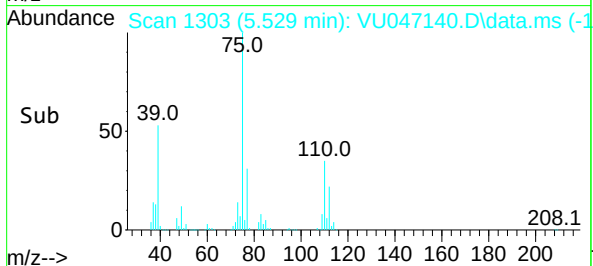
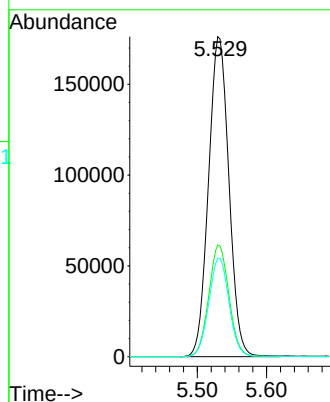
Tgt Ion: 75 Resp: 359537

Ion Ratio Lower Upper

75 100

110 34.7 16.8 50.3

77 30.7 24.7 37.1



#32

Ethyl-t-butyl ether

Concen: 0.006 ug/l

RT: 4.674 min Scan# 1037

Delta R.T. 0.167 min

Lab File: VU047140.D

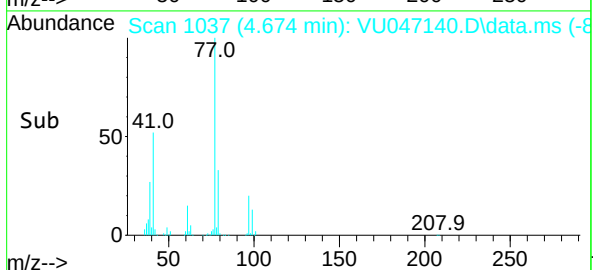
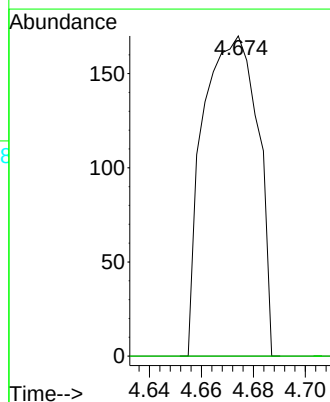
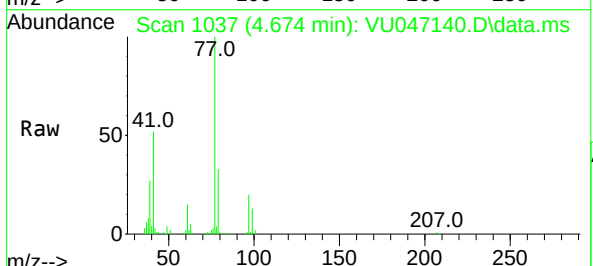
Acq: 14 Feb 2022 18:54

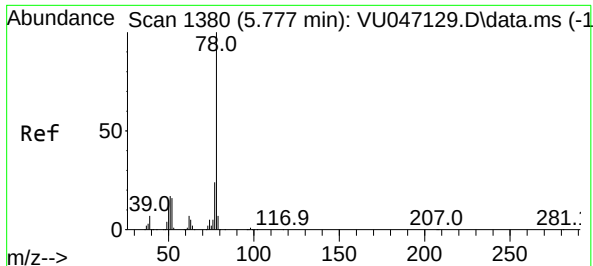
Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

59 100

87 0.0 32.7 49.1#

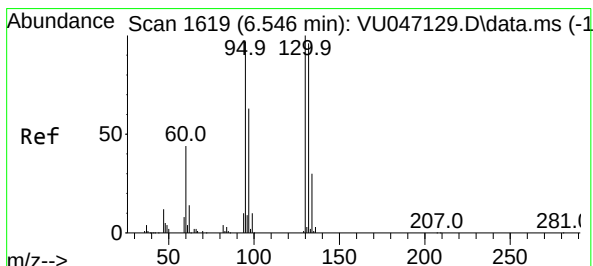
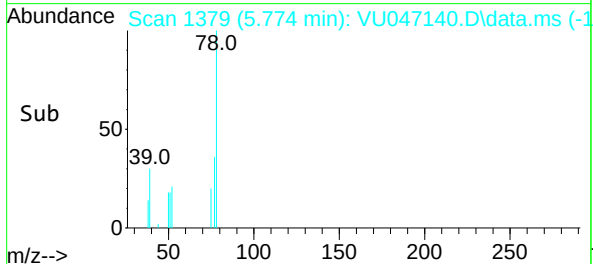
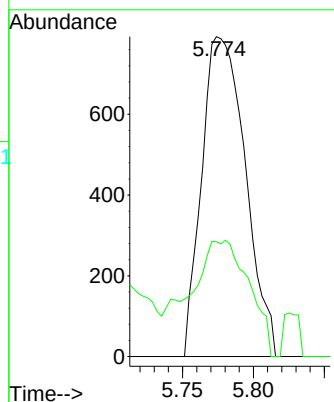
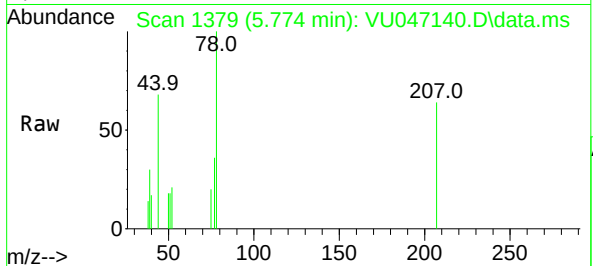




#35
Benzene
Concen: 0.030 ug/l
RT: 5.774 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

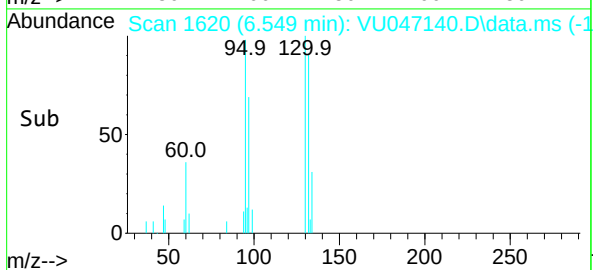
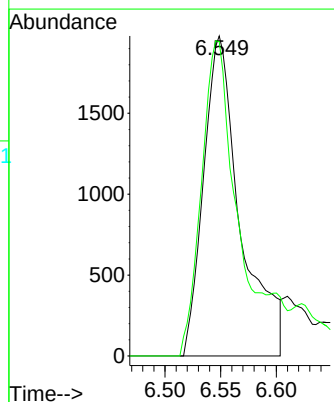
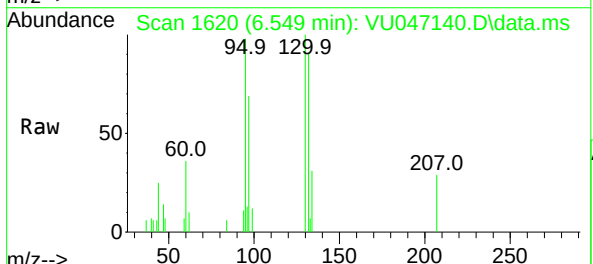
Instrument :
MSVOA_U
ClientSampleId :

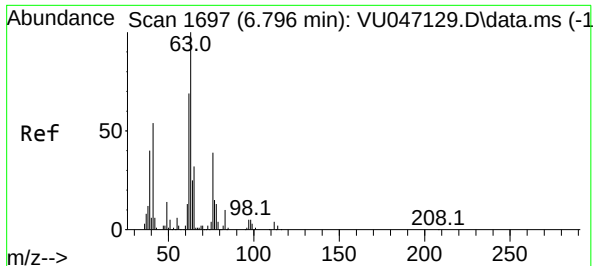
Tgt Ion: 78 Resp: 1694
Ion Ratio Lower Upper
78 100
77 35.9 19.1 28.7#



#37
Trichloroethene
Concen: 0.294 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. 0.003 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion:130 Resp: 4537
Ion Ratio Lower Upper
130 100
95 98.2 83.8 125.8





#38

1,2-Dichloropropane

Concen: 0.007 ug/l

RT: 6.800 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

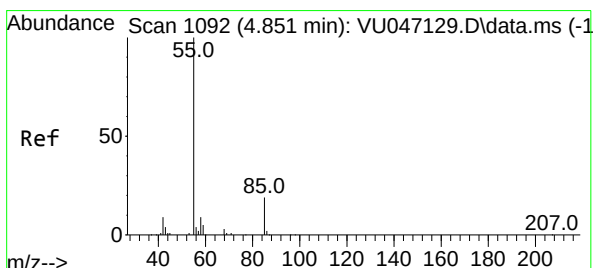
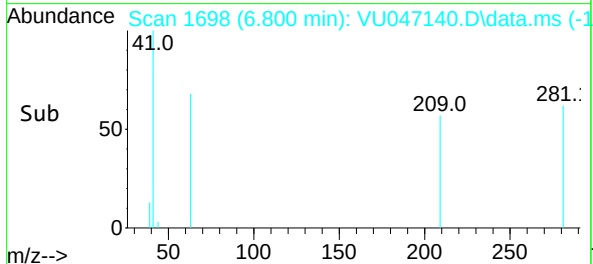
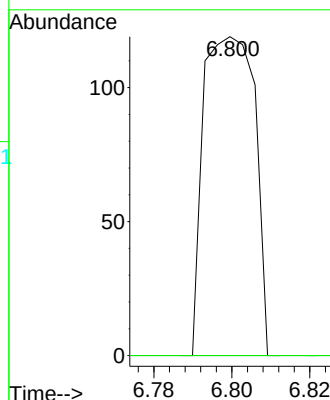
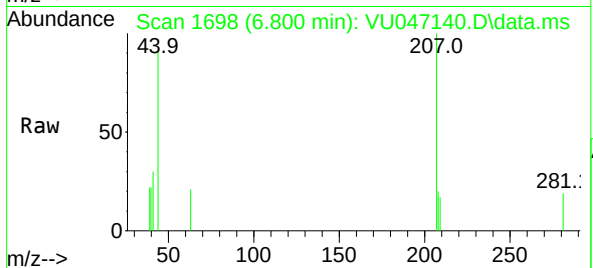
ClientSampleId :

Tgt Ion: 63 Resp: 108

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#40

Methyl acrylate

Concen: 0.002 ug/l

RT: 4.886 min Scan# 1103

Delta R.T. 0.035 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Tgt Ion: 55 Resp: 20

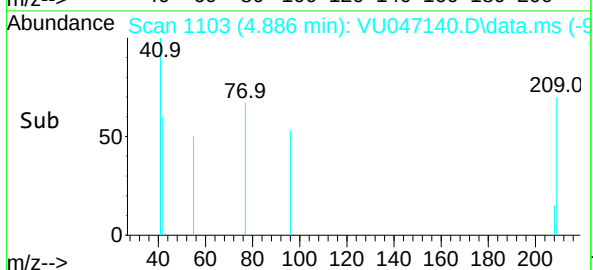
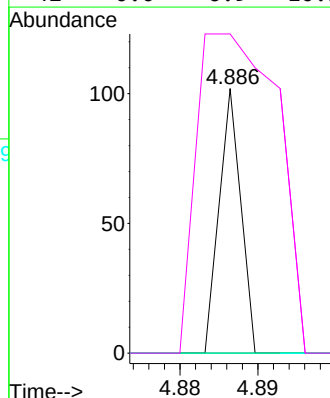
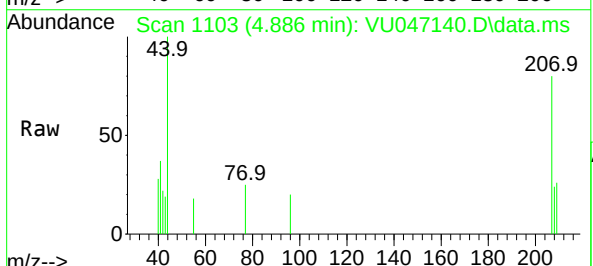
Ion Ratio Lower Upper

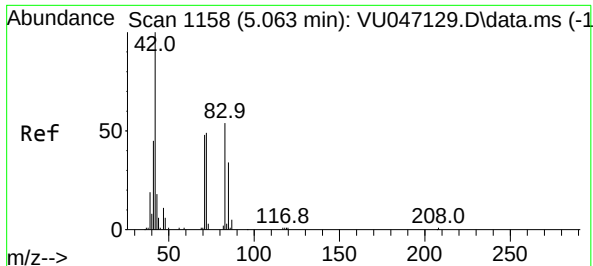
55 100

85 0.0 12.2 18.2#

58 0.0 6.7 10.1#

42 0.0 6.9 10.3#





#41

Tetrahydrofuran

Concen: 0.125 ug/l

RT: 5.073 min Scan# 1158

Delta R.T. 0.009 min

Lab File: VU047140.D

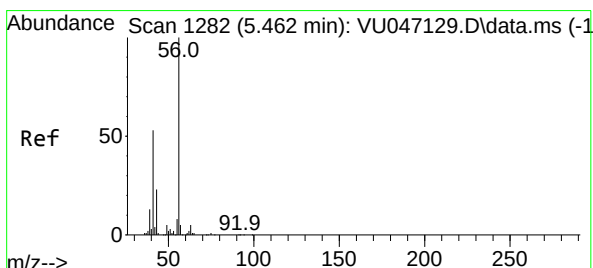
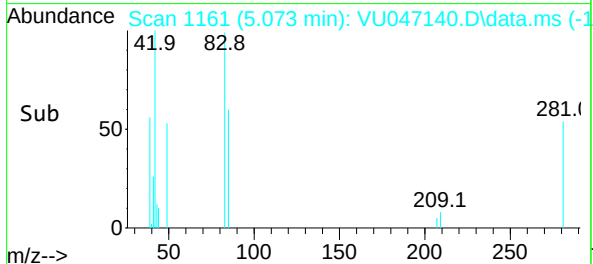
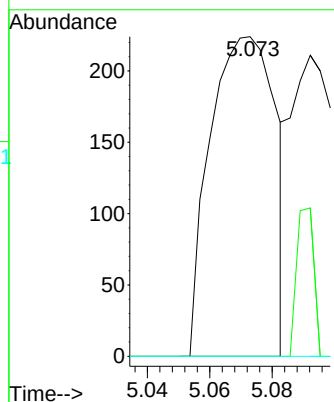
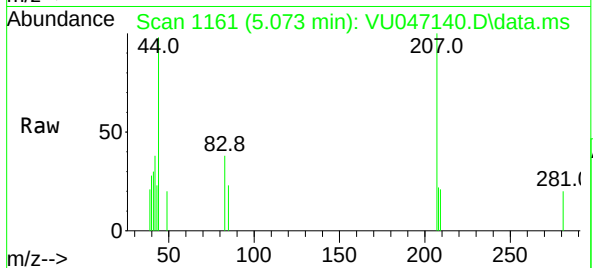
Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 42	Resp: 324
Ion Ratio	Lower Upper
42	100
72	0.0 42.4 63.6#
71	0.0 36.4 54.6#



#42

1-Chlorobutane

Concen: 0.004 ug/l

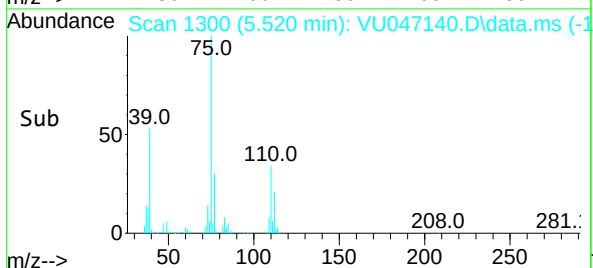
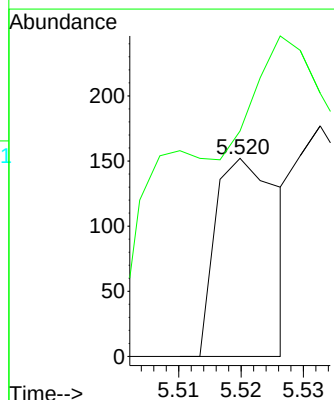
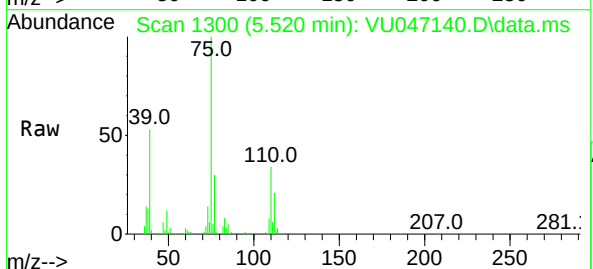
RT: 5.520 min Scan# 1300

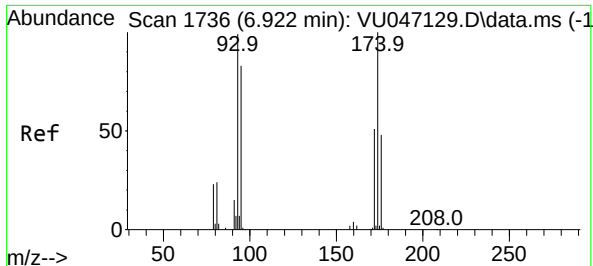
Delta R.T. 0.058 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Tgt Ion: 56	Resp: 107
Ion Ratio	Lower Upper
56	100
41	60.7 26.0 78.0

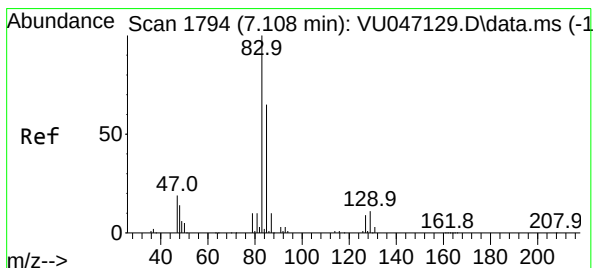
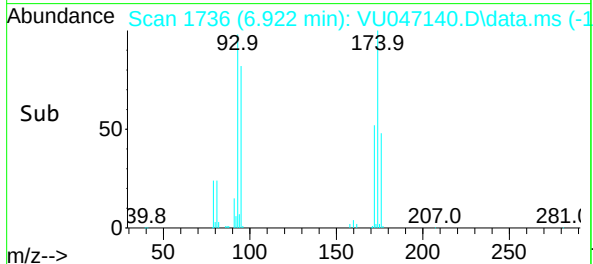
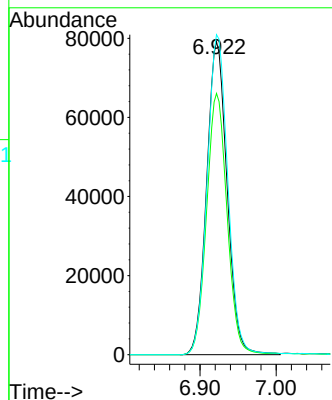
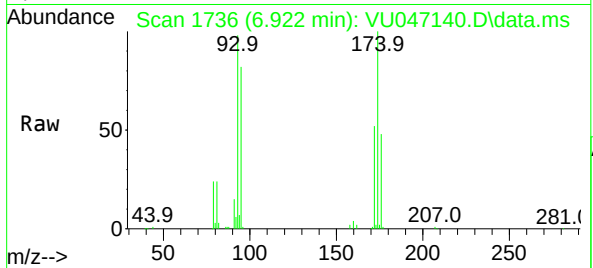




#43
Dibromomethane
Concen: 18.603 ug/l
RT: 6.922 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

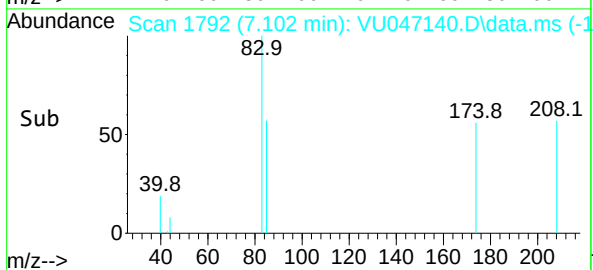
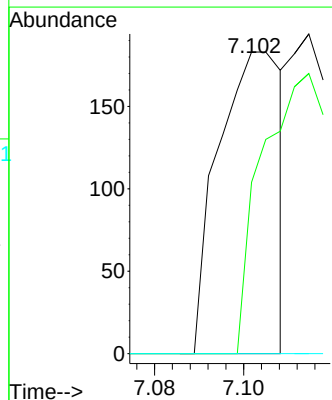
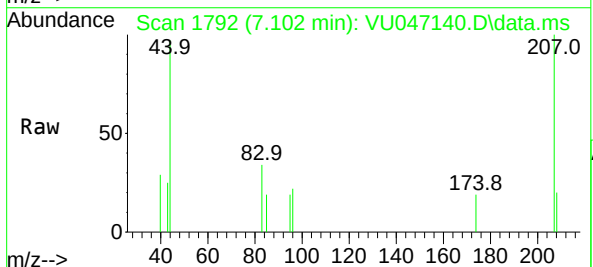
Instrument :
MSVOA_U
ClientSampleId :

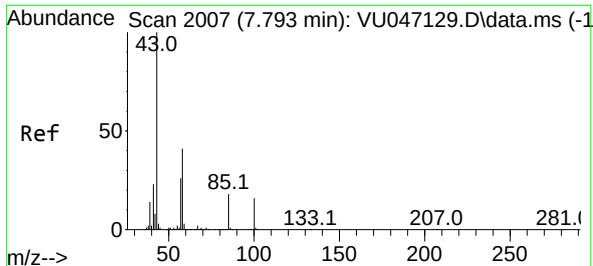
Tgt Ion: 93 Resp: 148120
Ion Ratio Lower Upper
93 100
95 83.3 66.2 99.2
174 103.1 70.7 106.1



#44
Bromodichloromethane
Concen: 0.010 ug/l
RT: 7.102 min Scan# 1792
Delta R.T. -0.007 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion: 83 Resp: 181
Ion Ratio Lower Upper
83 100
85 56.8 50.9 76.3
127 0.0 6.0 9.0#





#45

4-Methyl-2-Pentanone

Concen: 0.008 ug/l

RT: 7.790 min Scan# 2007

Delta R.T. -0.003 min

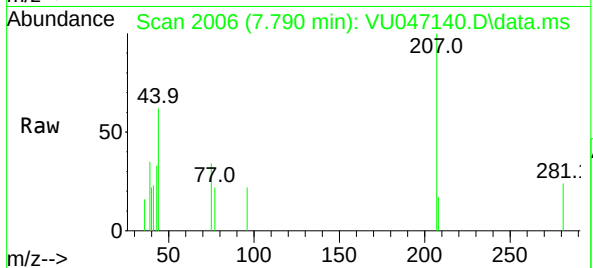
Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :



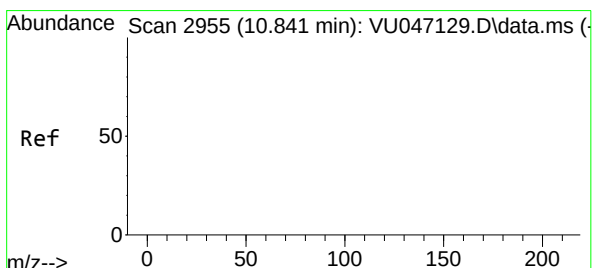
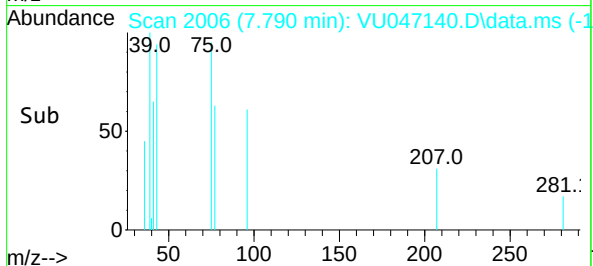
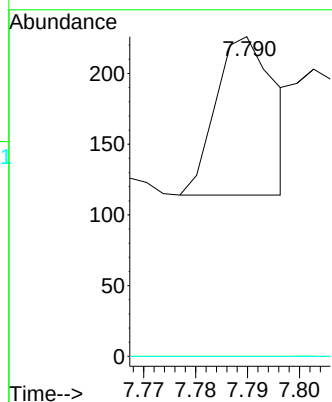
Tgt Ion: 43 Resp: 88

Ion Ratio Lower Upper

43 100

58 0.0 21.0 63.0#

85 0.0 14.8 22.2#



#46

t-1,4-Dichloro-2-butene

Concen: 44.571 ug/l

RT: 10.825 min Scan# 2950

Delta R.T. -0.016 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Tgt Ion: 75 Resp: 208941

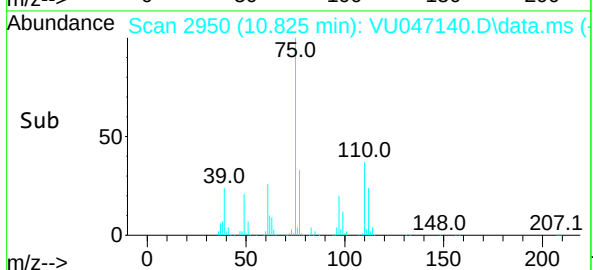
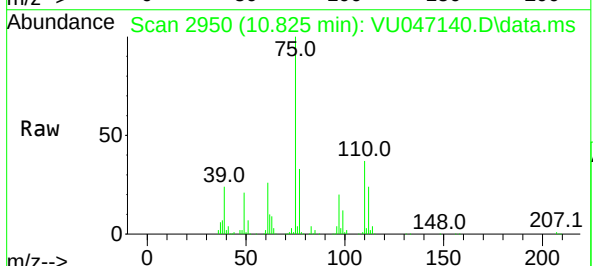
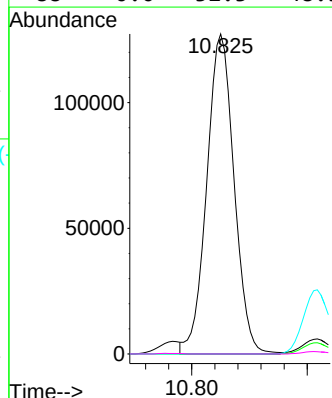
Ion Ratio Lower Upper

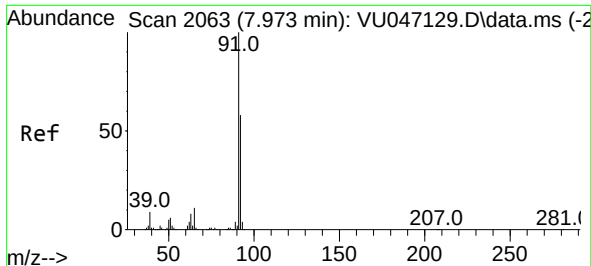
75 100

53 0.0 66.8 100.2#

89 0.0 41.7 62.5#

88 0.0 32.3 48.5#





#49

Toluene

Concen: 0.018 ug/l

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

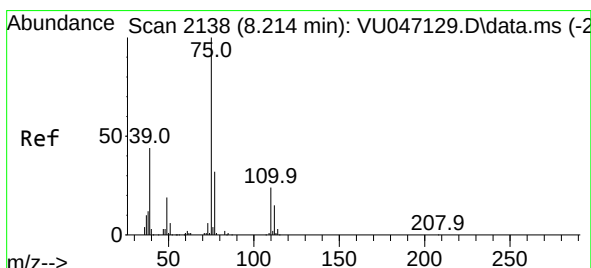
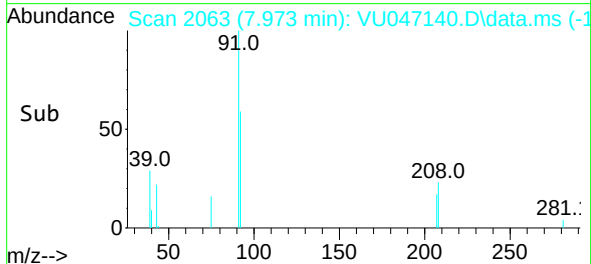
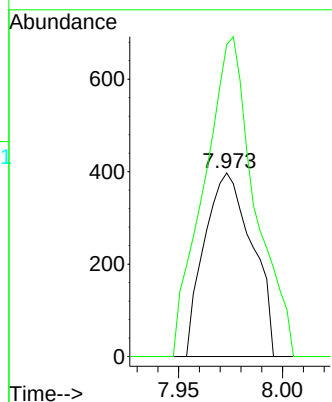
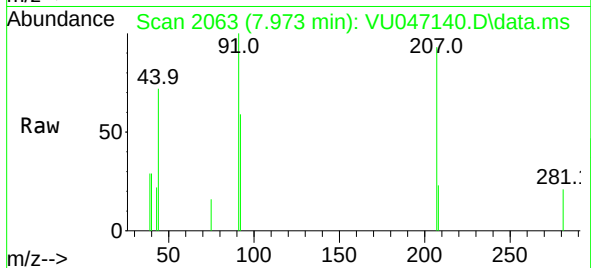
ClientSampleId :

Tgt Ion: 92 Resp: 634

Ion Ratio Lower Upper

92 100

91 185.0 136.8 205.2



#50

t-1,3-Dichloropropene

Concen: 14.473 ug/l

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU047140.D

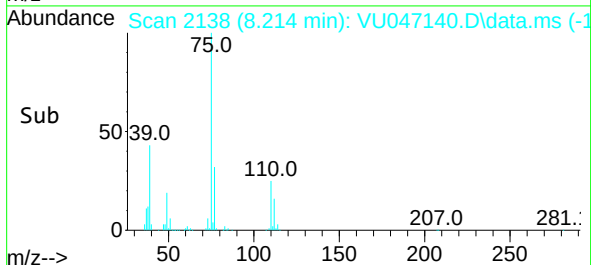
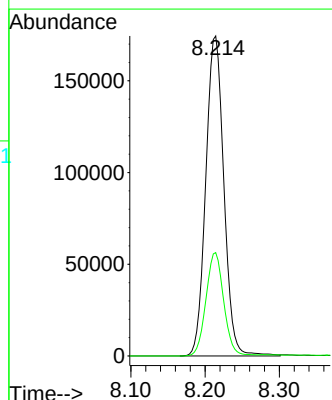
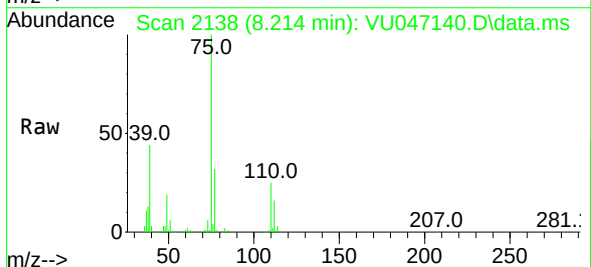
Acq: 14 Feb 2022 18:54

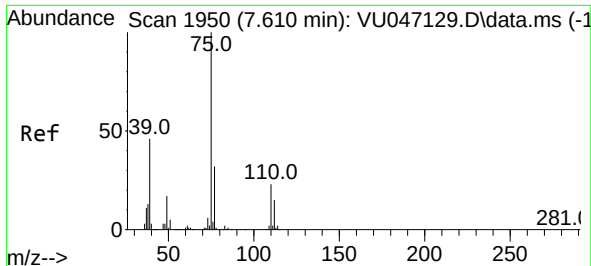
Tgt Ion: 75 Resp: 295008

Ion Ratio Lower Upper

75 100

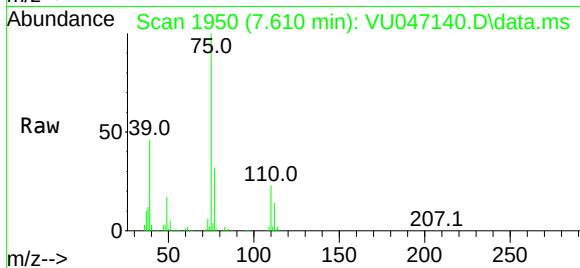
77 32.3 25.6 38.4





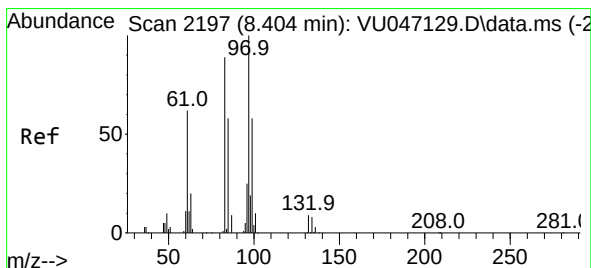
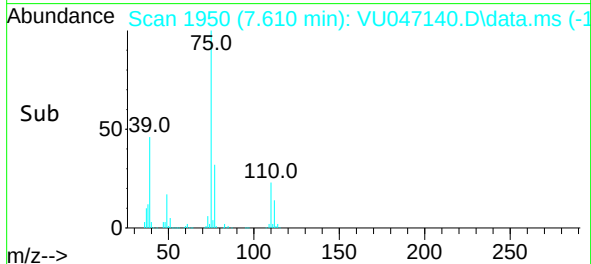
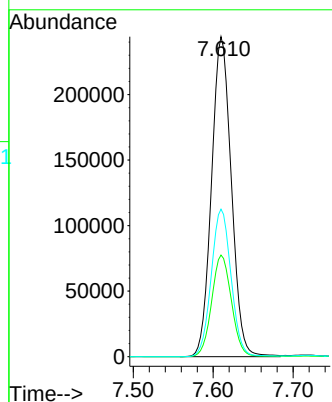
#51
 cis-1,3-Dichloropropene
 Concen: 18.392 ug/l
 RT: 7.610 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VU047140.D
 Acq: 14 Feb 2022 18:54

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 420259

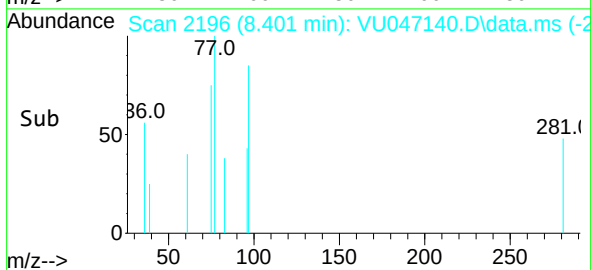
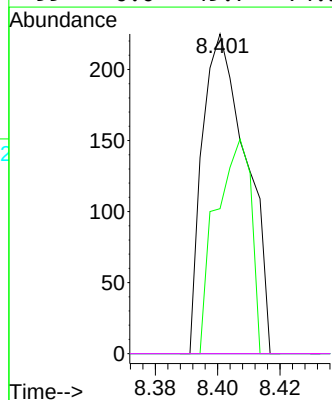
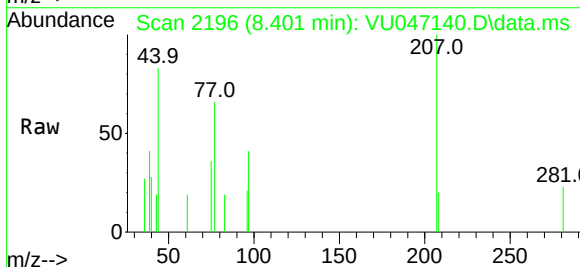
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	46.1	38.6	57.8

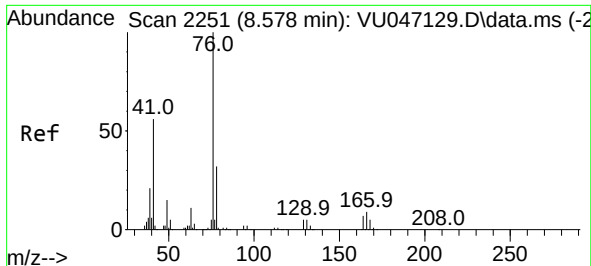


#52
 1,1,2-Trichloroethane
 Concen: 0.019 ug/l
 RT: 8.401 min Scan# 2196
 Delta R.T. -0.003 min
 Lab File: VU047140.D
 Acq: 14 Feb 2022 18:54

Tgt Ion: 97 Resp: 221

Ion	Ratio	Lower	Upper
97	100		
83	45.3	69.8	104.8#
85	0.0	44.2	66.4#
99	0.0	49.7	74.5#





#53

1,3-Dichloropropane

Concen: 17.700 ug/l

RT: 8.578 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

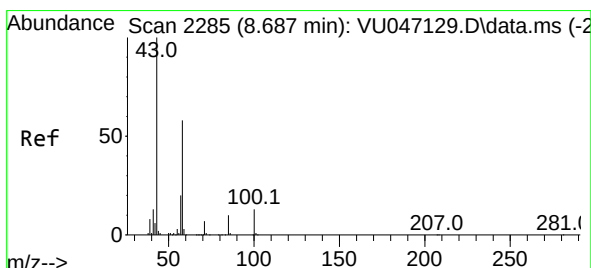
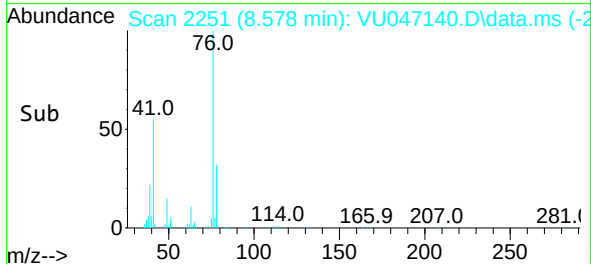
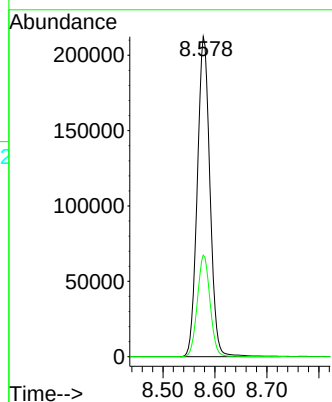
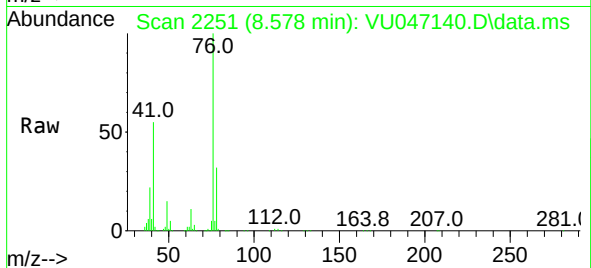
ClientSampleId :

Tgt Ion: 76 Resp: 359250

Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.2



#54

2-Hexanone

Concen: 0.048 ug/l

RT: 8.693 min Scan# 2287

Delta R.T. 0.006 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

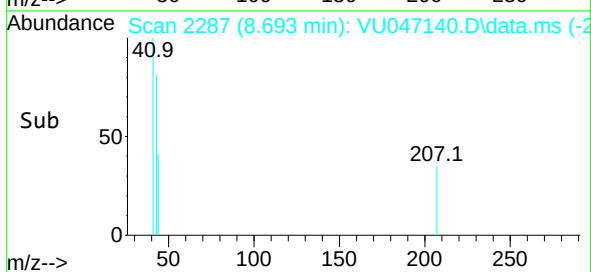
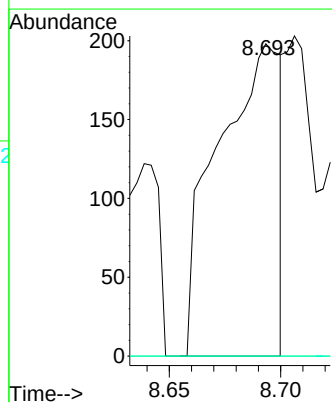
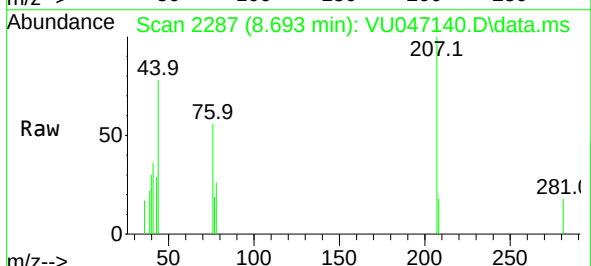
Tgt Ion: 43 Resp: 386

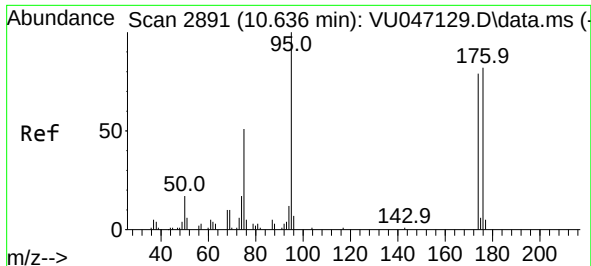
Ion Ratio Lower Upper

43 100

58 0.0 37.7 77.7#

57 0.0 0.5 40.5#





#57

4-Bromofluorobenzene

Concen: 0.964 ug/l

RT: 10.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :

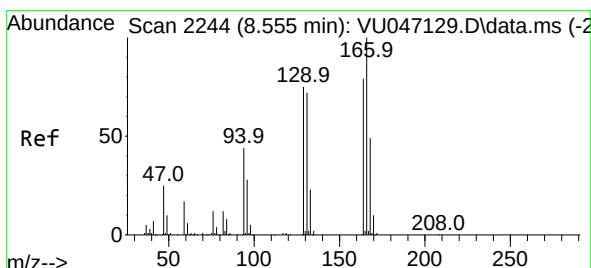
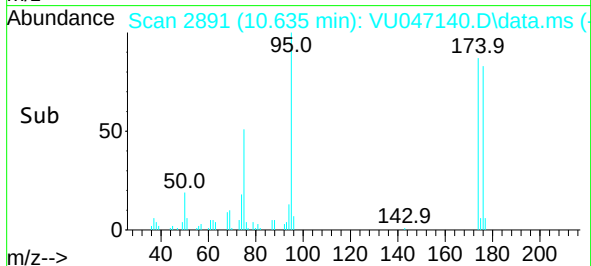
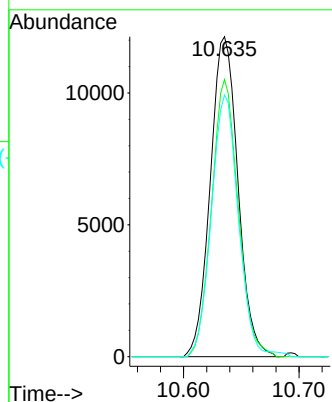
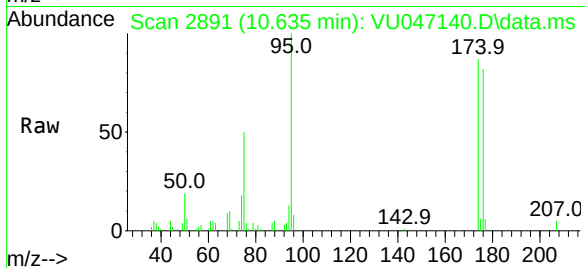
Tgt Ion: 95 Resp: 20227

Ion Ratio Lower Upper

95 100

174 83.2 56.6 84.8

176 80.0 54.3 81.5



#58

Tetrachloroethene

Concen: 0.128 ug/l

RT: 8.558 min Scan# 2245

Delta R.T. 0.003 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Tgt Ion: 164 Resp: 1820

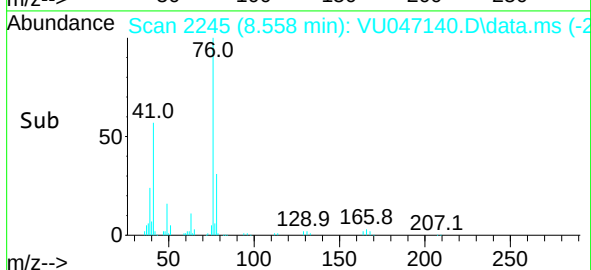
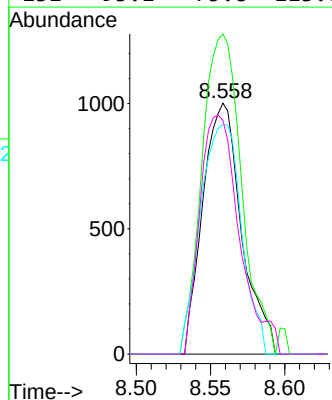
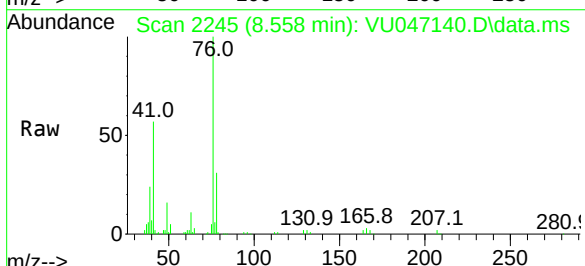
Ion Ratio Lower Upper

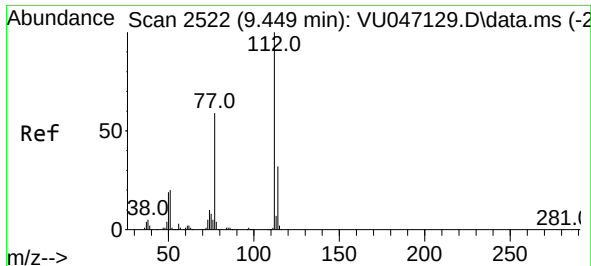
164 100

166 127.5 102.0 153.0

129 91.5 77.1 115.7

131 93.1 75.8 113.6

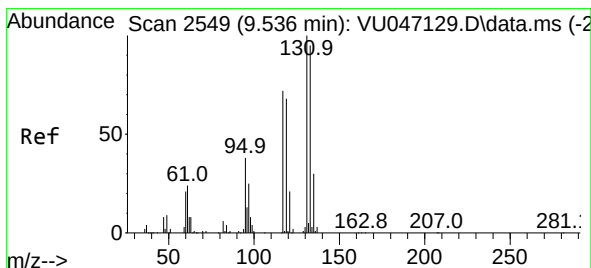
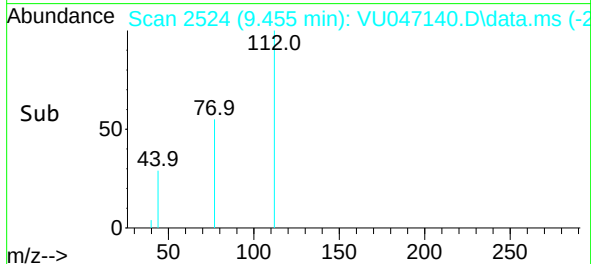
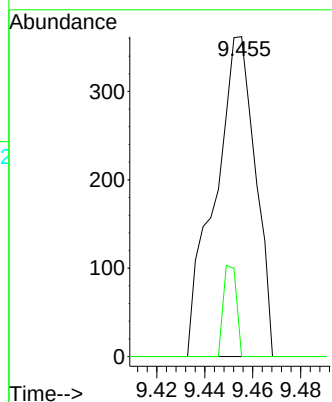
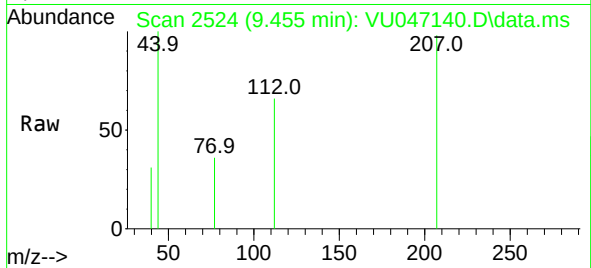




#59
Chlorobenzene
Concen: 0.011 ug/l
RT: 9.455 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

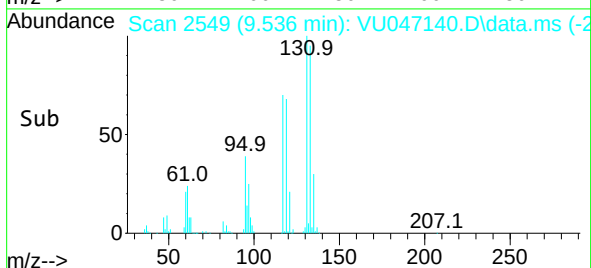
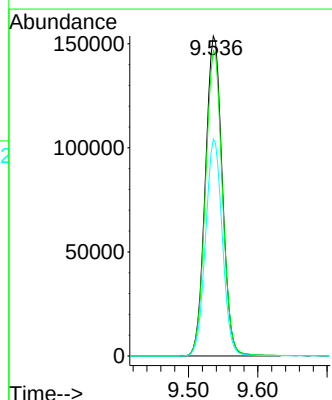
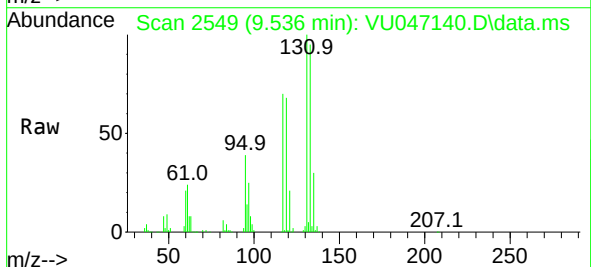
Instrument :
MSVOA_U
ClientSampleId :

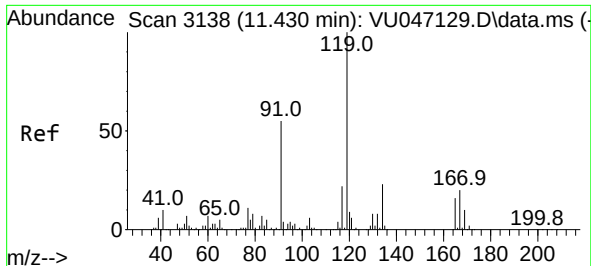
Tgt Ion:112 Resp: 425
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.0#



#60
1,1,1,2-Tetrachloroethane
Concen: 18.861 ug/l
RT: 9.536 min Scan# 2549
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion:131 Resp: 260113
Ion Ratio Lower Upper
131 100
133 95.3 76.0 114.0
119 67.3 54.9 82.3

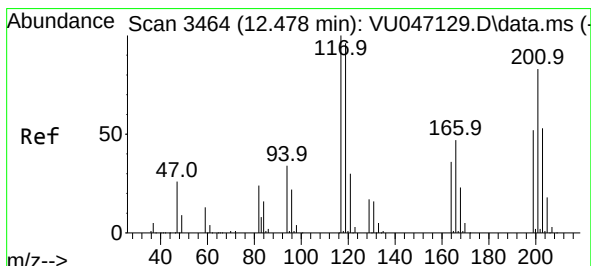
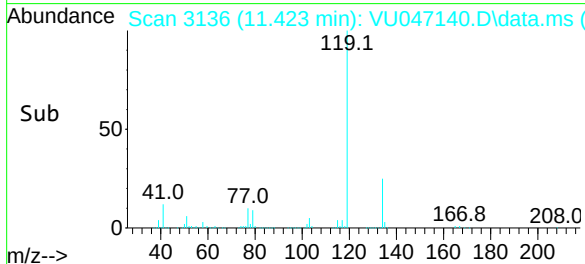
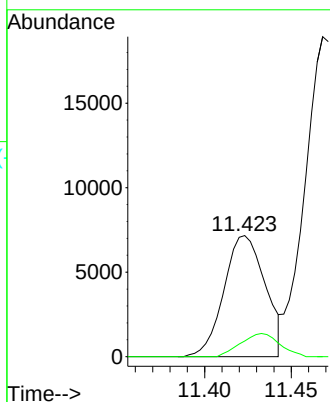
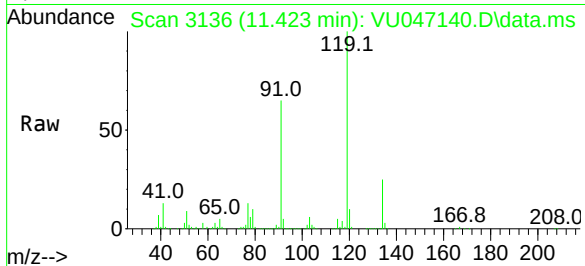




#61
 Pentachloroethane
 Concen: 1.137 ug/l
 RT: 11.423 min Scan# 3138
 Delta R.T. -0.007 min
 Lab File: VU047140.D
 Acq: 14 Feb 2022 18:54

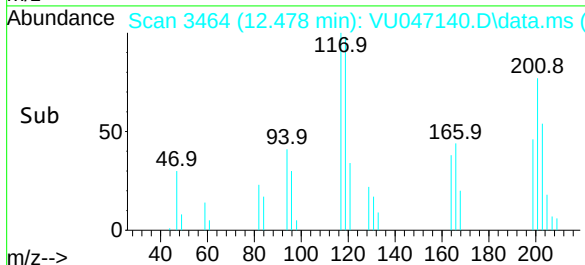
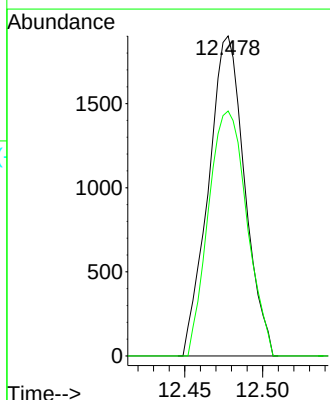
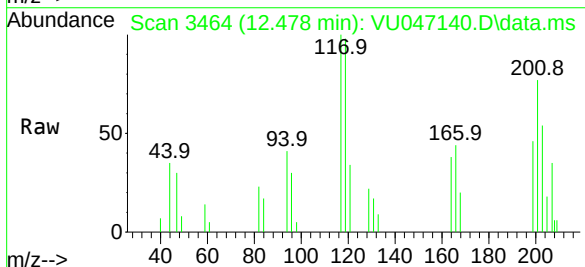
Instrument :
 MSVOA_U
 ClientSampleId :

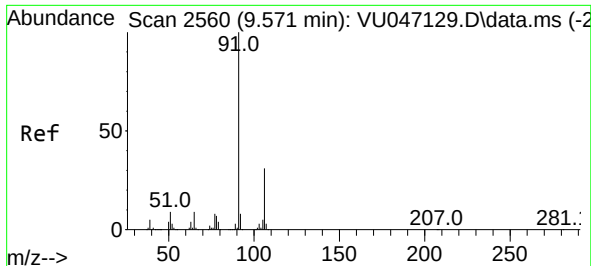
Tgt Ion:117 Resp: 11906
 Ion Ratio Lower Upper
 117 100
 167 18.0 59.7 89.5#



#62
 Hexachloroethane
 Concen: 0.272 ug/l
 RT: 12.478 min Scan# 3464
 Delta R.T. -0.000 min
 Lab File: VU047140.D
 Acq: 14 Feb 2022 18:54

Tgt Ion:117 Resp: 3076
 Ion Ratio Lower Upper
 117 100
 201 81.3 53.6 80.4#





#63

Ethyl Benzene

Concen: 0.018 ug/l

RT: 9.574 min Scan# 2560

Delta R.T. 0.003 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

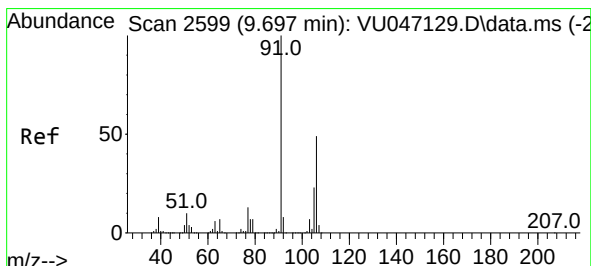
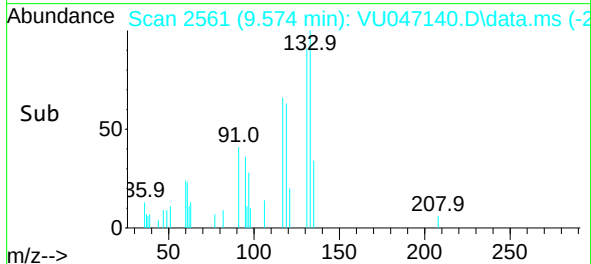
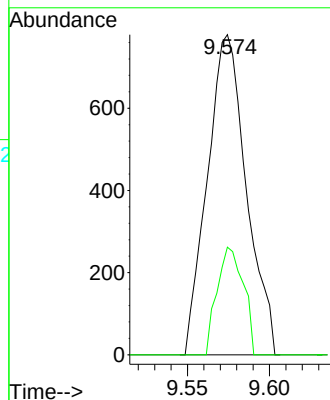
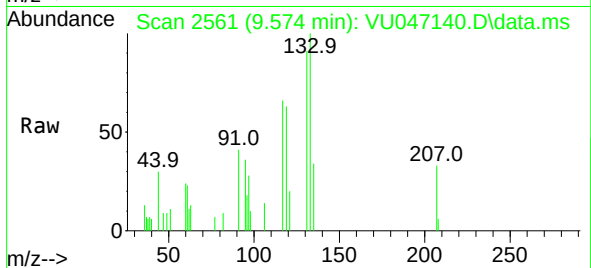
ClientSampleId :

Tgt Ion: 91 Resp: 1285

Ion Ratio Lower Upper

91 100

106 33.6 24.4 36.6



#64

m/p-Xylenes

Concen: 0.011 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. -0.000 min

Lab File: VU047140.D

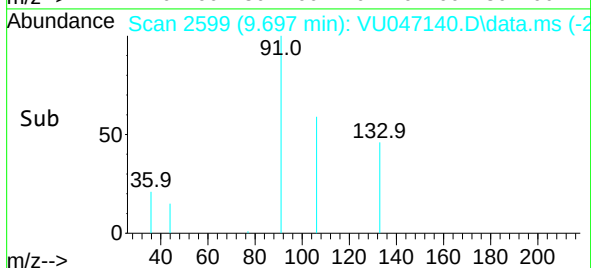
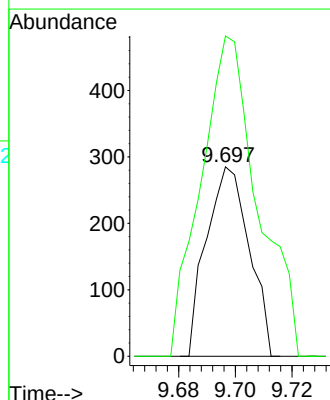
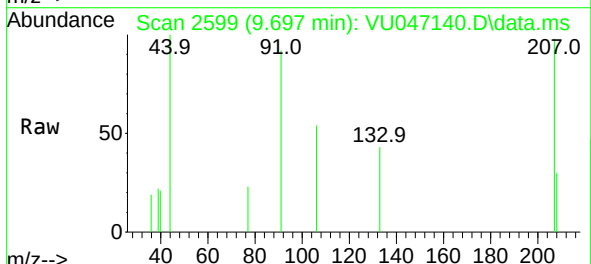
Acq: 14 Feb 2022 18:54

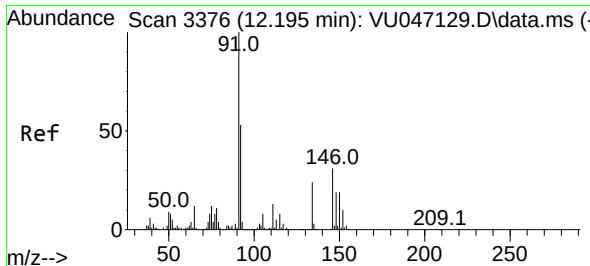
Tgt Ion: 106 Resp: 299

Ion Ratio Lower Upper

106 100

91 225.1 165.5 248.3

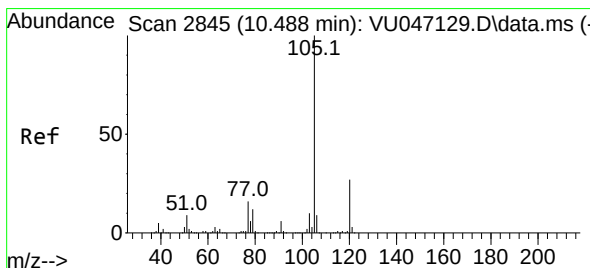
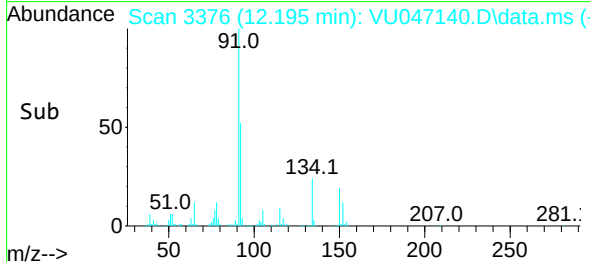
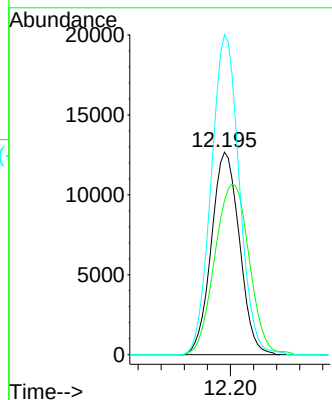
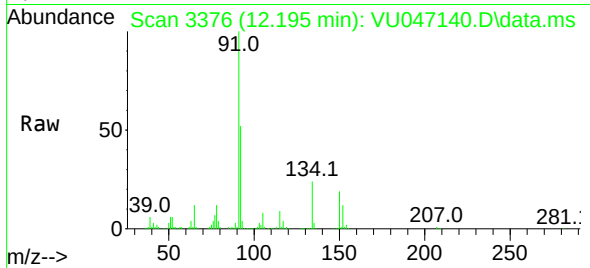




#68
1,2-Dichlorobenzene-d4
Concen: 0.979 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

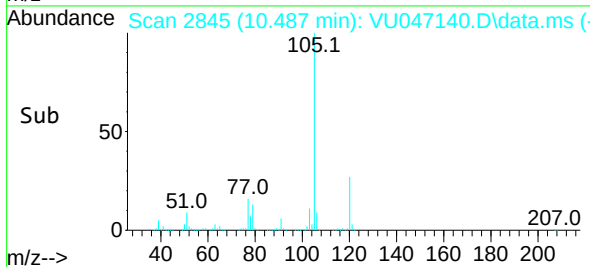
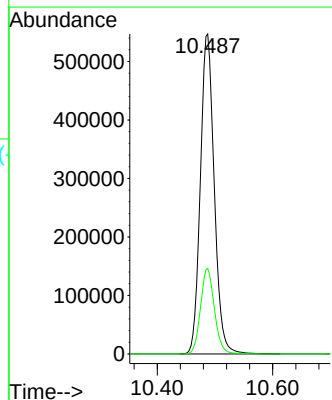
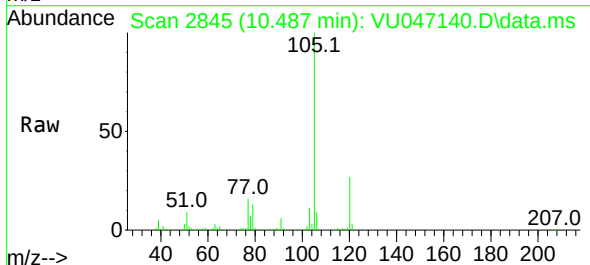
Instrument :
MSVOA_U
ClientSampleId :

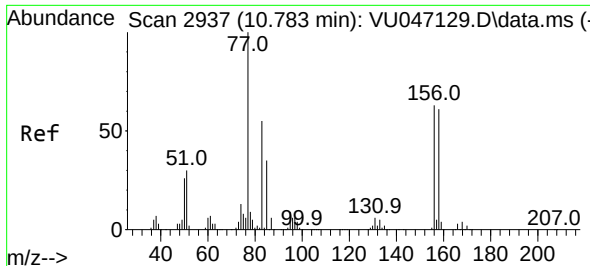
Tgt Ion:152 Resp: 21397
Ion Ratio Lower Upper
152 100
115 103.4 0.0 251.0
150 157.7 0.0 613.8



#69
Isopropylbenzene
Concen: 13.051 ug/l
RT: 10.487 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion:105 Resp: 914177
Ion Ratio Lower Upper
105 100
120 26.8 12.8 38.4

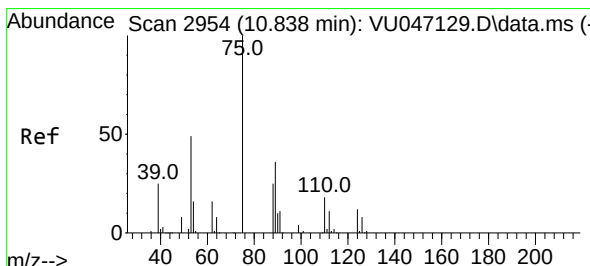
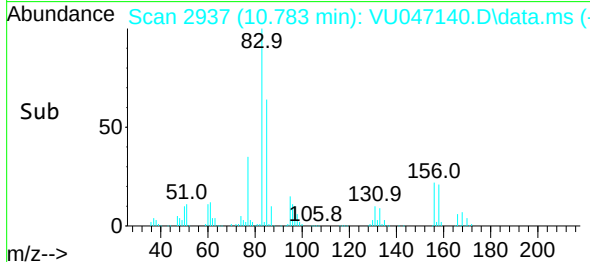
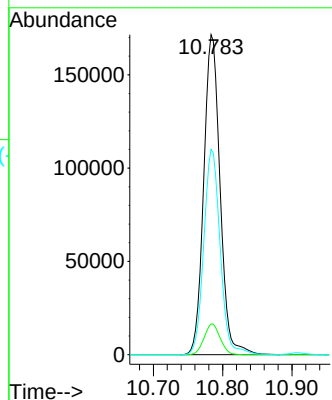
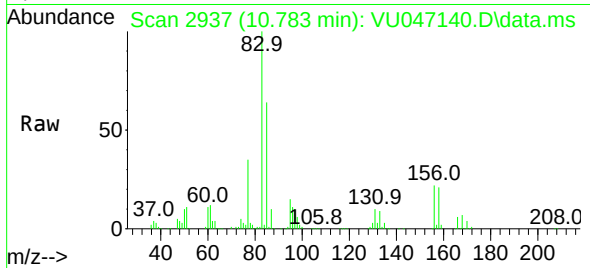




#70
1,1,2,2-Tetrachloroethane
Concen: 18.276 ug/l
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

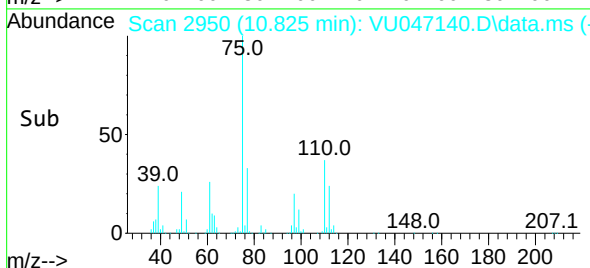
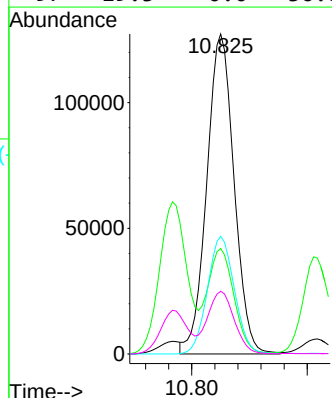
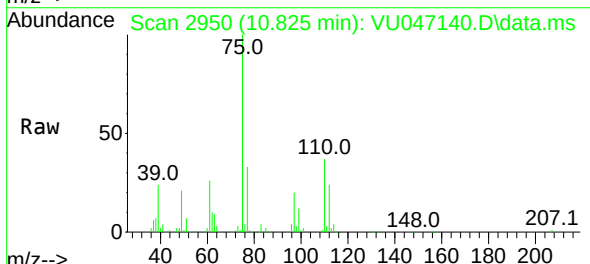
Instrument :
MSVOA_U
ClientSampleId :

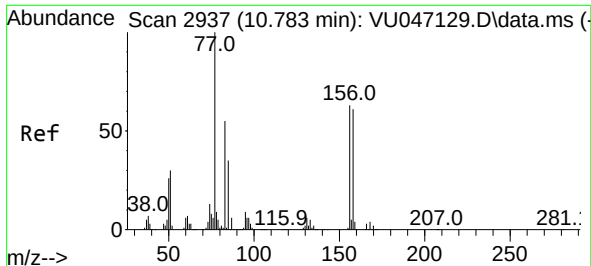
Tgt Ion: 83 Resp: 280694
Ion Ratio Lower Upper
83 100
131 9.4 7.6 11.4
85 64.4 50.9 76.3



#71
1,2,3-Trichloropropane
Concen: 16.119 ug/l
RT: 10.825 min Scan# 2950
Delta R.T. -0.013 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion: 75 Resp: 208941
Ion Ratio Lower Upper
75 100
77 31.8 0.0 105.6
110 36.4 0.0 71.2
97 19.3 0.0 36.8

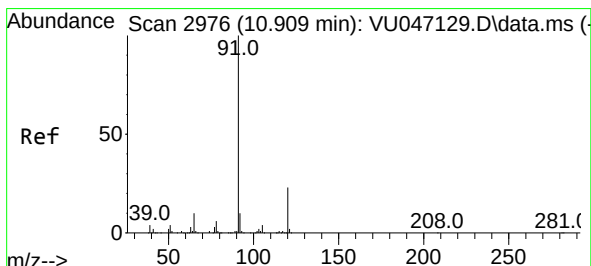
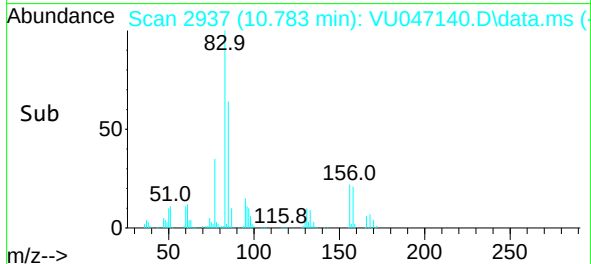
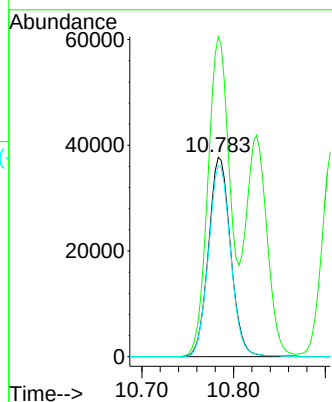
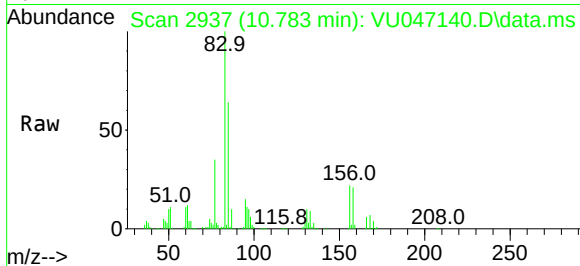




#72
Bromobenzene
Concen: 3.686 ug/l
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

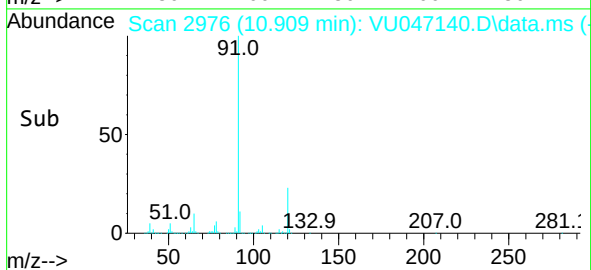
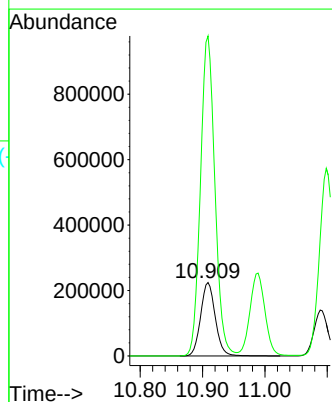
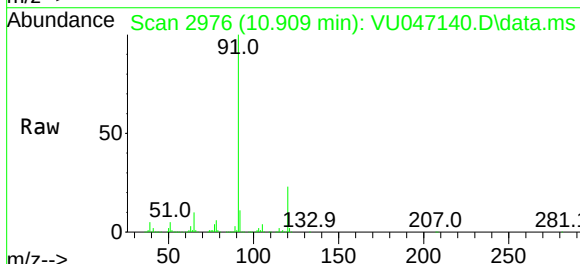
Instrument :
MSVOA_U
ClientSampleId :

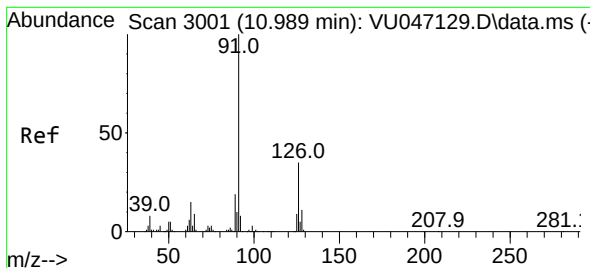
Tgt Ion:156 Resp: 63059
Ion Ratio Lower Upper
156 100
77 159.9 0.0 370.6
158 96.4 0.0 193.4



#73
n-propylbenzene
Concen: 18.945 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion:120 Resp: 365330
Ion Ratio Lower Upper
120 100
91 430.7 370.7 556.1





#74

2-Chlorotoluene

Concen: 8.630 ug/l

RT: 10.989 min Scan# 3001

Delta R.T. -0.000 min

Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

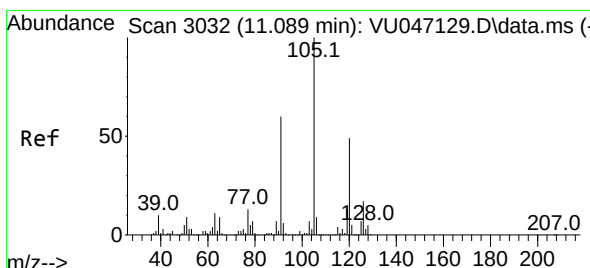
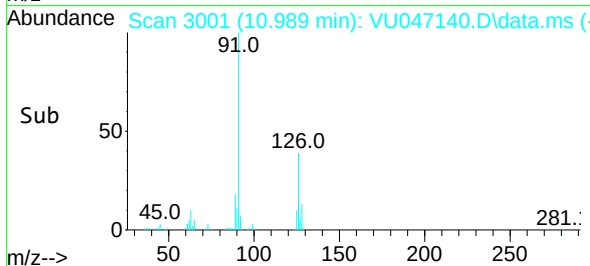
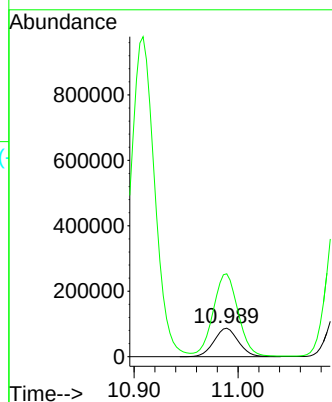
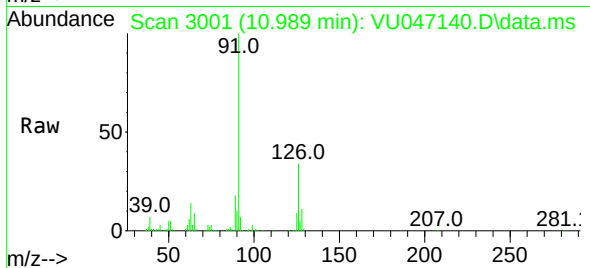
ClientSampleId :

Tgt Ion:126 Resp: 141876

Ion Ratio Lower Upper

126 100

91 301.1 0.0 639.6



#75

1,3,5-Trimethylbenzene

Concen: 7.801 ug/l

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047140.D

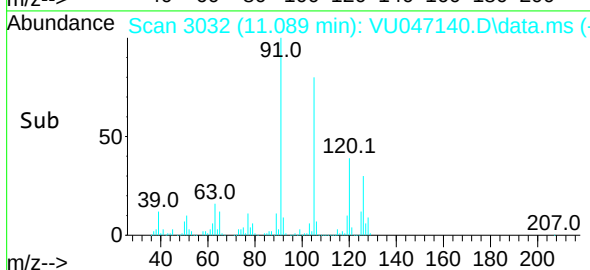
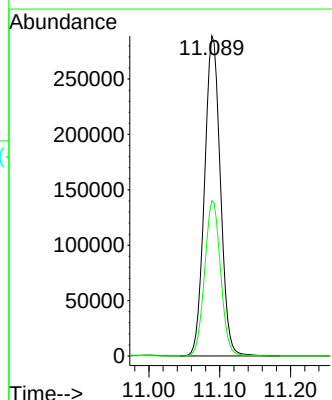
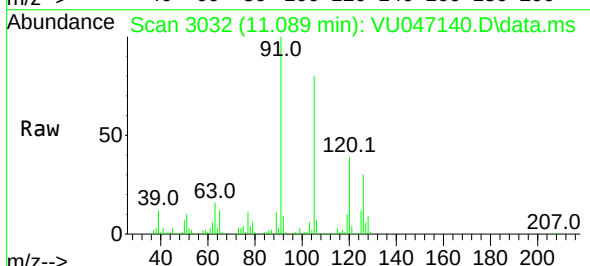
Acq: 14 Feb 2022 18:54

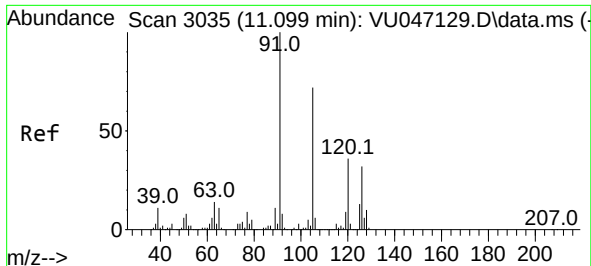
Tgt Ion:105 Resp: 448112

Ion Ratio Lower Upper

105 100

120 48.8 38.6 58.0

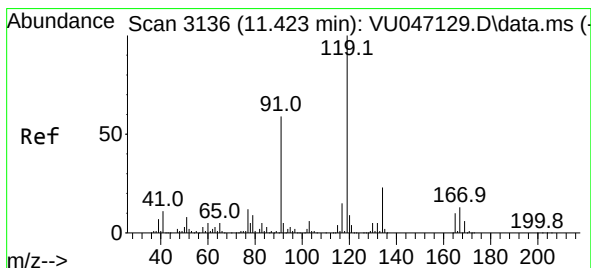
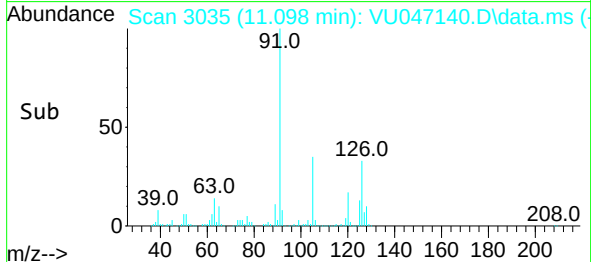
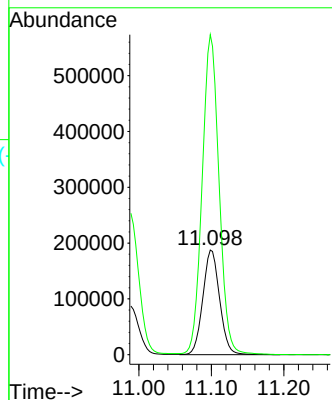
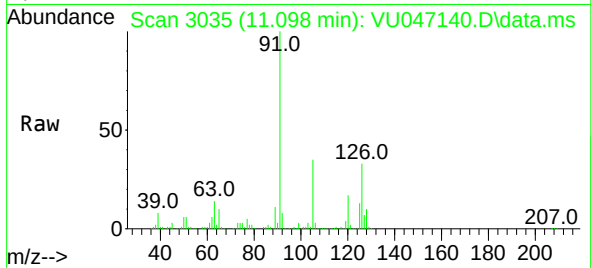




#76
4-Chlorotoluene
Concen: 17.438 ug/l
RT: 11.098 min Scan# 3035
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

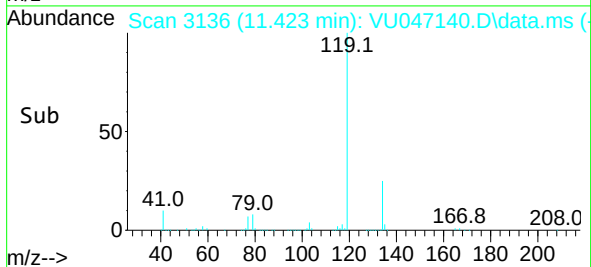
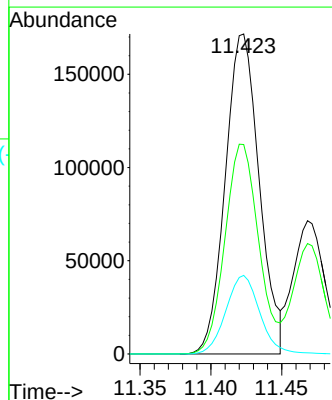
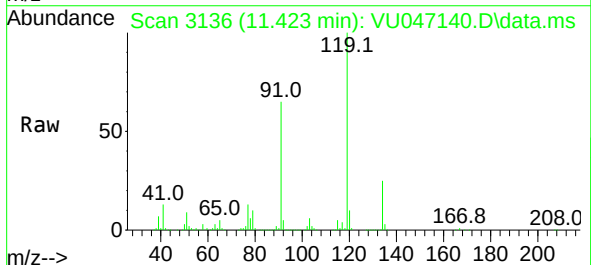
Instrument :
MSVOA_U
ClientSampleId :

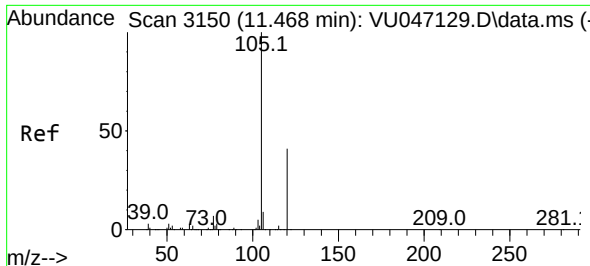
Tgt Ion:126 Resp: 301187
Ion Ratio Lower Upper
126 100
91 308.6 0.0 728.0



#77
tert-Butylbenzene
Concen: 4.970 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion:119 Resp: 286504
Ion Ratio Lower Upper
119 100
91 65.4 31.4 94.3
134 24.5 18.5 27.7

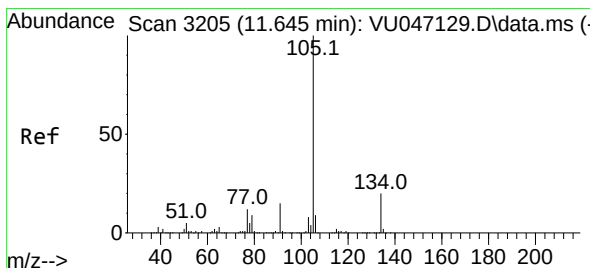
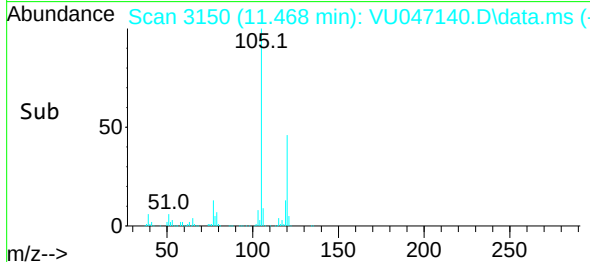
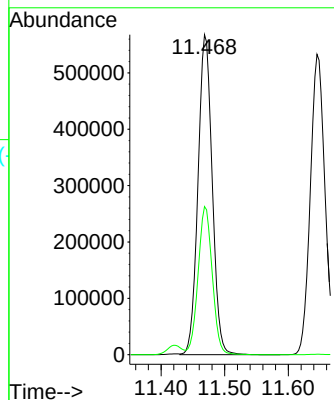
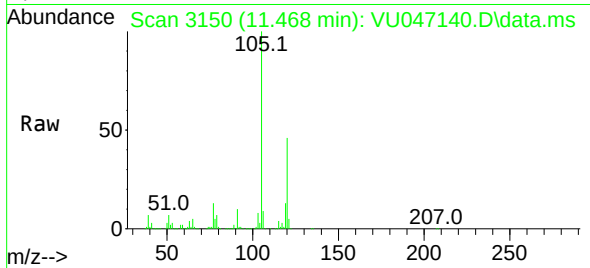




#78
1,2,4-Trimethylbenzene
Concen: 14.995 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

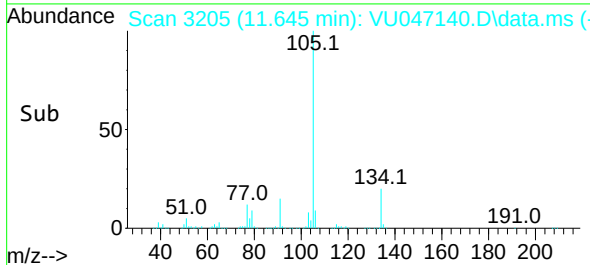
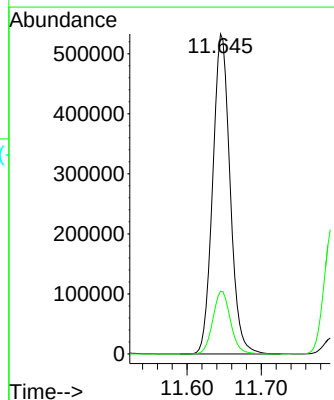
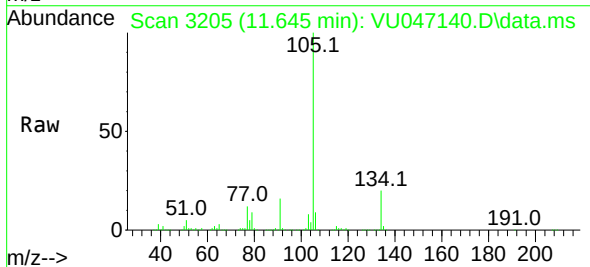
Instrument :
MSVOA_U
ClientSampleId :

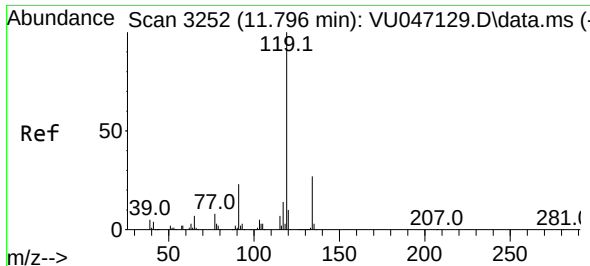
Tgt Ion:105 Resp: 879070
Ion Ratio Lower Upper
105 100
120 46.2 22.3 66.8



#79
sec-Butylbenzene
Concen: 11.292 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion:105 Resp: 864332
Ion Ratio Lower Upper
105 100
134 19.9 15.4 23.0

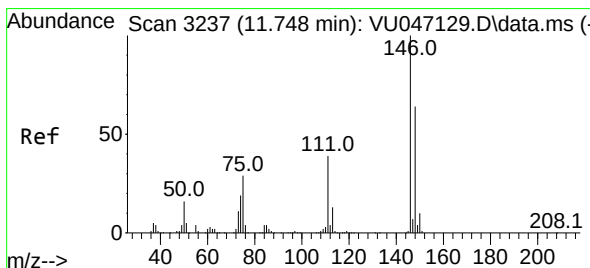
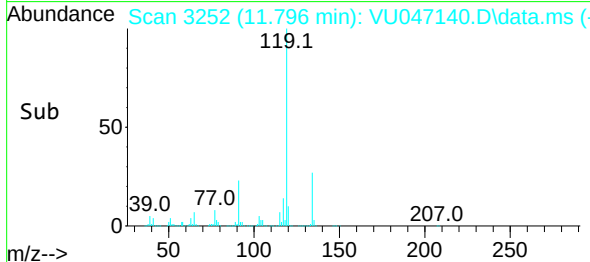
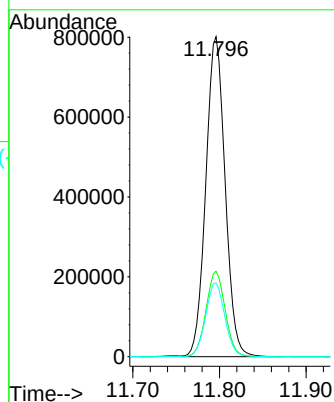
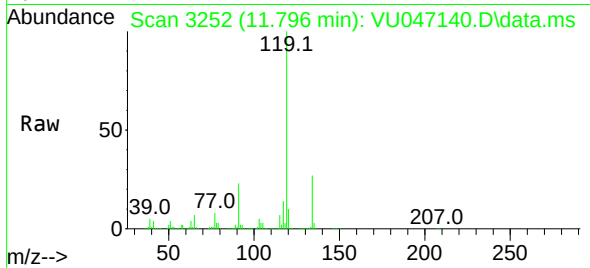




#81
p-Isopropyltoluene
Concen: 19.155 ug/l
RT: 11.796 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

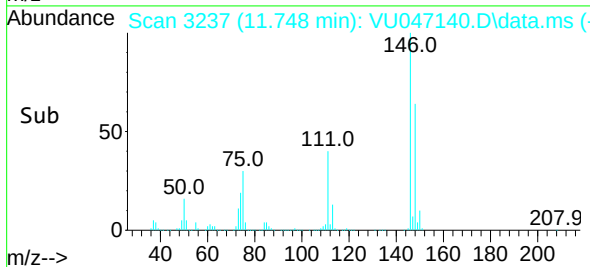
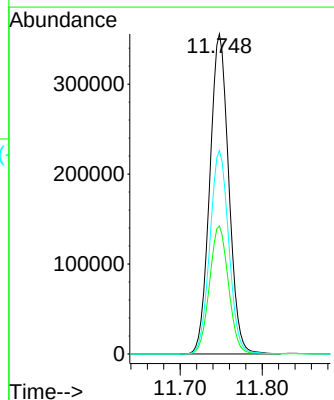
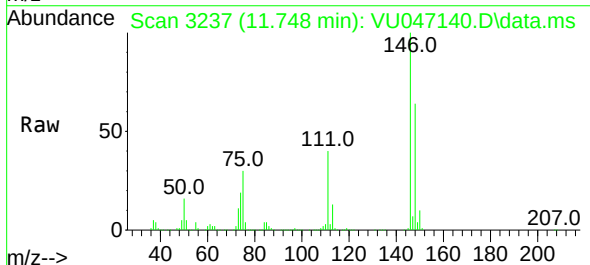
Instrument :
MSVOA_U
ClientSampleId :

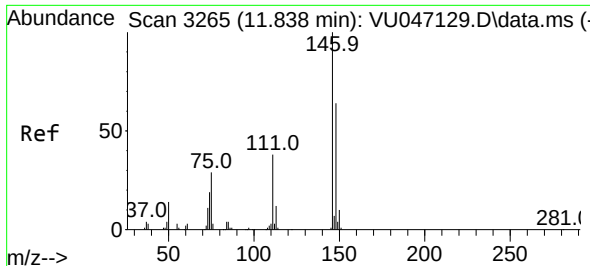
Tgt Ion:119 Resp: 1240642
Ion Ratio Lower Upper
119 100
134 26.6 20.2 30.4
91 23.2 19.9 29.9



#82
1,3-Dichlorobenzene
Concen: 17.190 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion:146 Resp: 572507
Ion Ratio Lower Upper
146 100
111 40.0 33.9 50.9
148 63.5 50.9 76.3

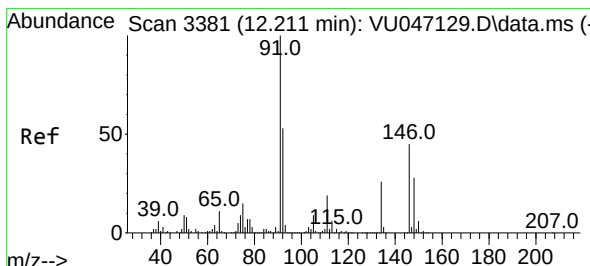
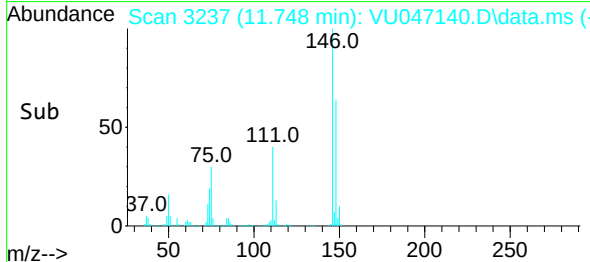
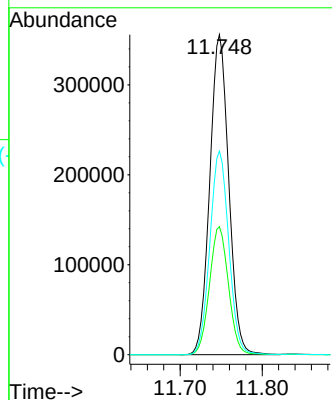
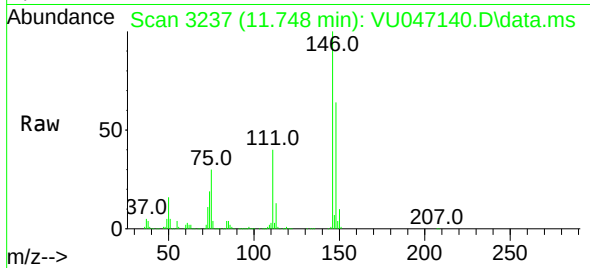




#83
1,4-Dichlorobenzene
Concen: 17.065 ug/l
RT: 11.748 min Scan# 3265
Delta R.T. -0.090 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

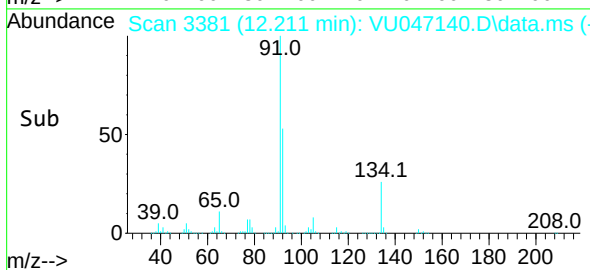
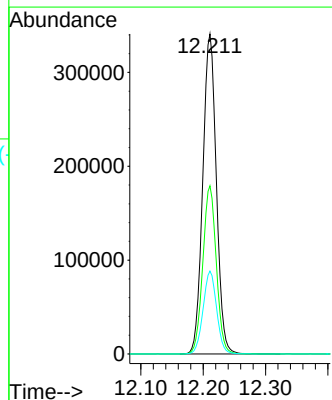
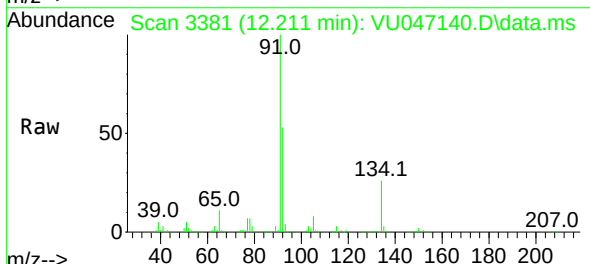
Instrument :
MSVOA_U
ClientSampleId :

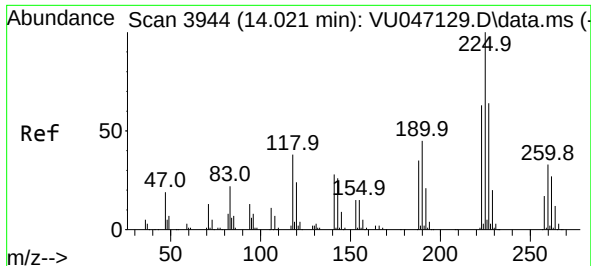
Tgt Ion:146 Resp: 572507
Ion Ratio Lower Upper
146 100
111 40.0 32.7 49.1
148 63.5 51.4 77.0



#84
n-Butylbenzene
Concen: 8.293 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion: 91 Resp: 515795
Ion Ratio Lower Upper
91 100
92 52.2 43.5 65.3
134 25.9 19.0 28.4

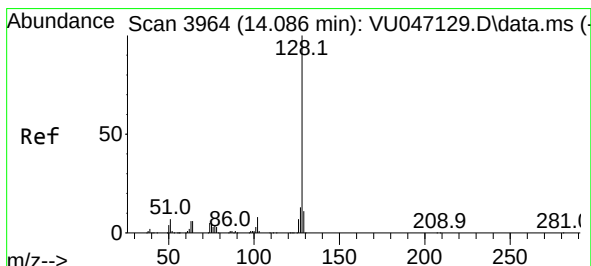
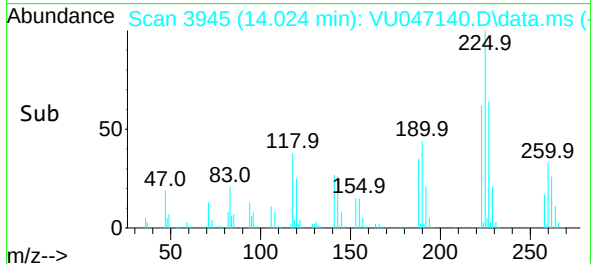
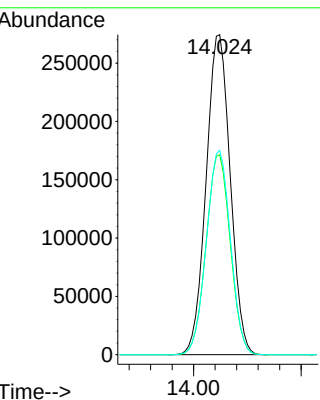
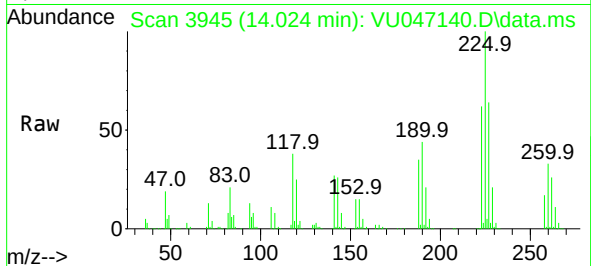




#88
Hexachlorobutadiene
Concen: 33.206 ug/l
RT: 14.024 min Scan# 3944
Delta R.T. 0.003 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

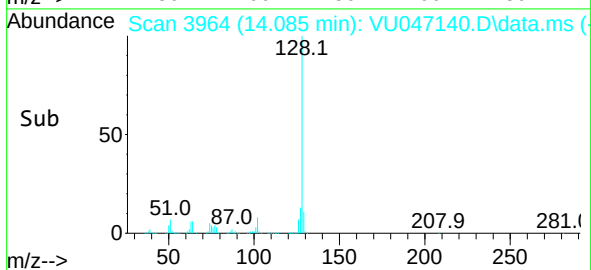
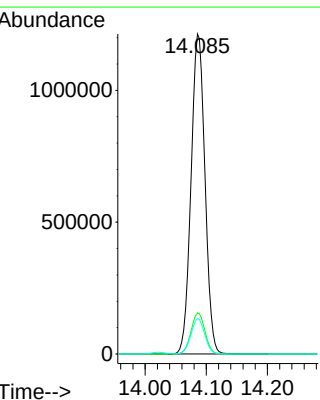
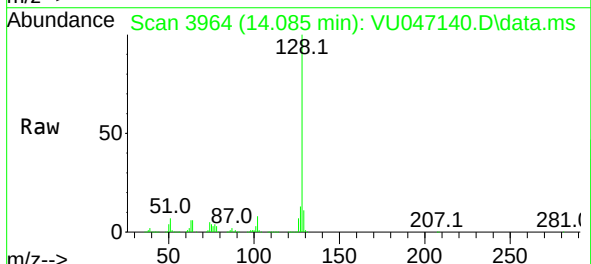
Instrument :
MSVOA_U
ClientSampleId :

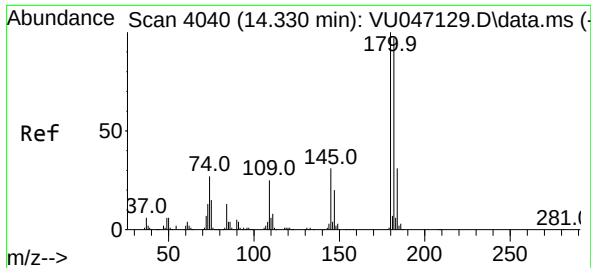
Tgt Ion:225 Resp: 427324
Ion Ratio Lower Upper
225 100
223 62.7 51.1 76.7
227 63.8 49.9 74.9



#89
Naphthalene
Concen: 37.197 ug/l
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU047140.D
Acq: 14 Feb 2022 18:54

Tgt Ion:128 Resp: 1917802
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.9 8.6 13.0





#90

1,2,3-Trichlorobenzene

Concen: 48.209 ug/l

RT: 14.330 min Scan# 40

Delta R.T. -0.000 min

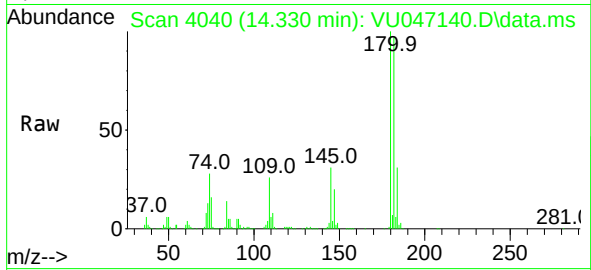
Lab File: VU047140.D

Acq: 14 Feb 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 1088438

Ion Ratio Lower Upper

180 100

182 96.3 75.4 113.0

145 31.2 27.0 40.4

