

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091120\
 Data File : VU040108.D
 Acq On : 11 Sep 2020 17:23
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Sep 12 05:20:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 13:27:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	29921	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	11899	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	11050	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	128256	9.691	ug/l	99
3) Chloromethane	1.52	50	102467	9.676	ug/l	96
4) Vinyl Chloride	1.61	62	112902	9.442	ug/l	99
5) Bromomethane	1.87	94	53684	14.324	ug/l	96
6) Chloroethane	1.94	64	64695	9.445	ug/l	97
7) Trichlorofluoromethane	2.15	101	156948	9.303	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	74260	9.852	ug/l	99
9) 1,1-Dichloroethene	2.59	96	56190	9.736	ug/l	97
13) Acetone	2.68	43	208058	47.573	ug/l	94
14) Carbon Disulfide	2.81	76	89304	8.847	ug/l	100
15) Methylene Chloride	3.06	84	77574	7.999	ug/l	97
16) trans-1,2-Dichloroethene	3.37	96	63847	10.293	ug/l	97
17) 1,1-Dichloroethane	3.89	63	149865	9.838	ug/l	99
18) 2-Butanone	4.74	43	343906	52.064	ug/l	100
19) Cyclohexane	5.40	56	100818	10.659	ug/l	99
20) Methylcyclohexane	6.78	83	105016	10.960	ug/l	97
22) cis-1,2-Dichloroethene	4.69	96	82700	10.576	ug/l	83
25) Methyl tert-Butyl Ether	3.38	73	216355	10.350	ug/l	98
26) Bromochloromethane	4.99	128	37227	9.795	ug/l	95
27) Chloroform	5.11	83	164701	9.884	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	137203	9.800	ug/l	99
30) Carbon Tetrachloride	5.54	117	114589	9.964	ug/l	100
35) Benzene	5.79	78	302164	10.109	ug/l	99
36) 1,2-Dichloroethane	5.81	62	116207	9.674	ug/l	100
37) Trichloroethene	6.56	130	77163	10.050	ug/l	99
38) 1,2-Dichloropropane	6.80	63	88751	9.593	ug/l	97
44) Bromodichloromethane	7.12	83	124458	9.844	ug/l	100
45) 4-Methyl-2-Pentanone	7.80	43	793756	52.647	ug/l	100
49) Toluene	7.98	92	200991	10.602	ug/l	98
50) t-1,3-Dichloropropene	8.22	75	119191	10.063	ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	126023	10.341	ug/l	98
52) 1,1,2-Trichloroethane	8.41	97	68834	9.366	ug/l	94
54) 2-Hexanone	8.69	43	571159	53.591	ug/l	99
55) Dibromochloromethane	8.82	129	82371	9.692	ug/l	99
56) 1,2-Dibromoethane	8.93	107	64117	9.493	ug/l	100
58) Tetrachloroethene	8.56	164	57419	10.060	ug/l	97
59) Chlorobenzene	9.45	112	229080	10.277	ug/l	98
63) Ethyl Benzene	9.57	91	404275	10.922	ug/l	99
64) m/p-Xylenes	9.69	106	155748	22.153	ug/l	100
65) o-Xylene	10.10	106	151203	11.209	ug/l	98
66) Styrene	10.11	104	271257	11.266	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

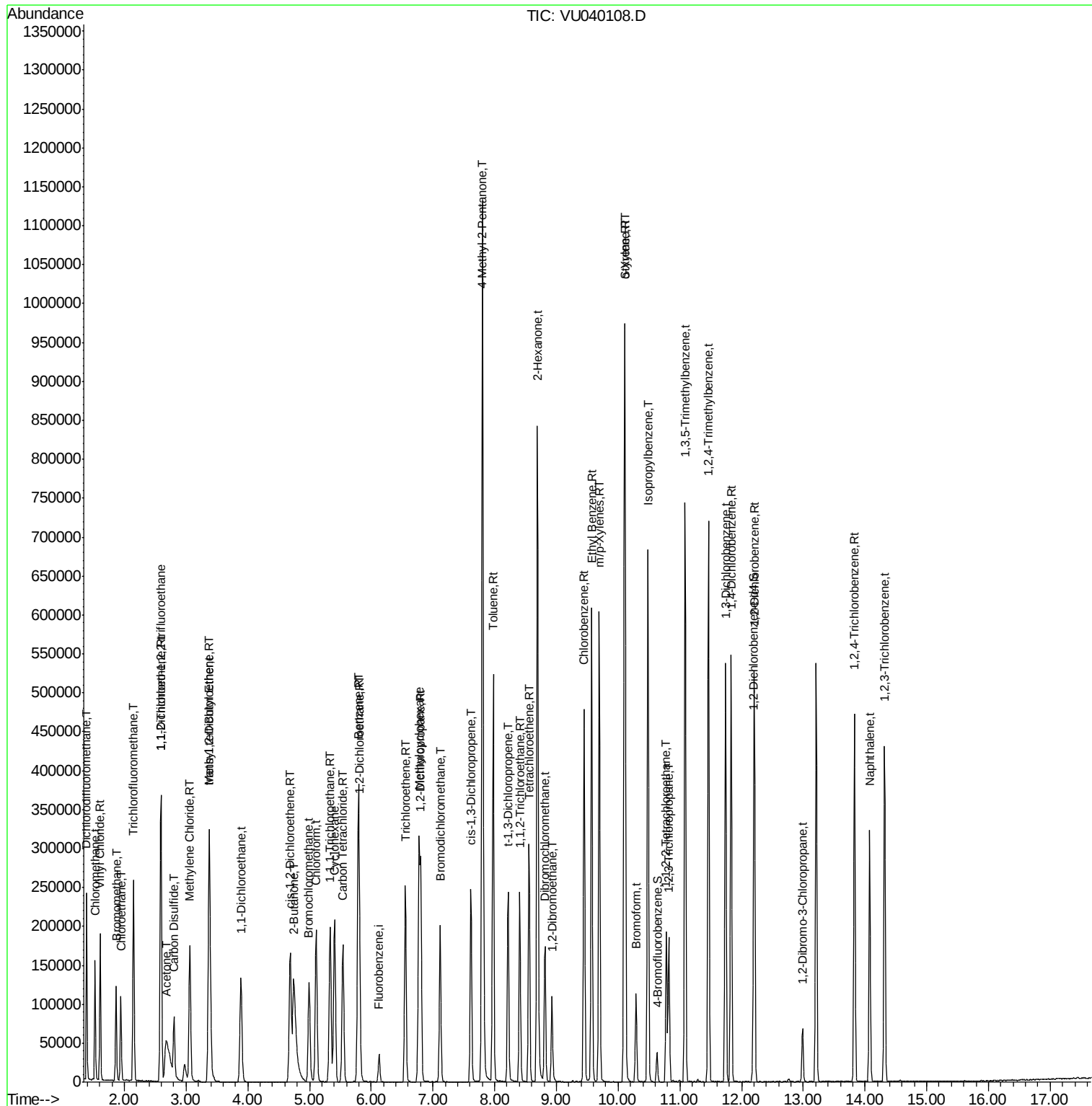
67) Bromoform	10.29	173	44544	10.009	ug/l	99
69) Isopropylbenzene	10.48	105	409891	10.968	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	92133	9.627	ug/l	98
71) 1,2,3-Trichloropropane	10.82	75	70731	9.669	ug/l	83
75) 1,3,5-Trimethylbenzene	11.09	105	371704	11.413	ug/l	98
78) 1,2,4-Trimethylbenzene	11.46	105	373702	11.535	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	194141	10.307	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	192484	10.452	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	182265	10.383	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	16473	10.114	ug/l	96
87) 1,2,4-Trichlorobenzene	13.83	180	117241	11.622	ug/l	98
89) Naphthalene	14.08	128	232681	12.493	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	110064	11.481	ug/l	98

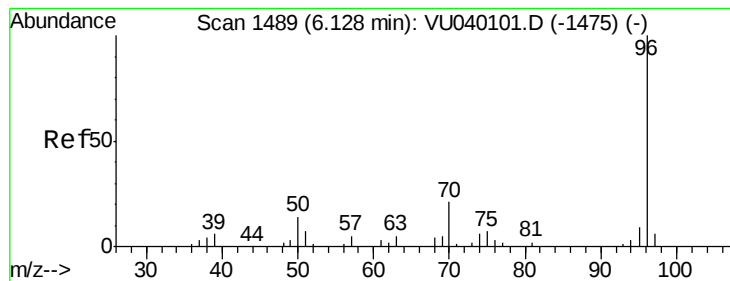
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 29921

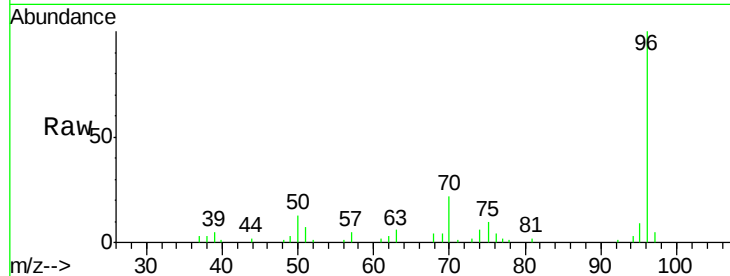
Ion Ratio Lower Upper

96 100

70 21.2 17.1 25.7

95 8.2 7.6 11.4

97 0.0 0.0 0.0

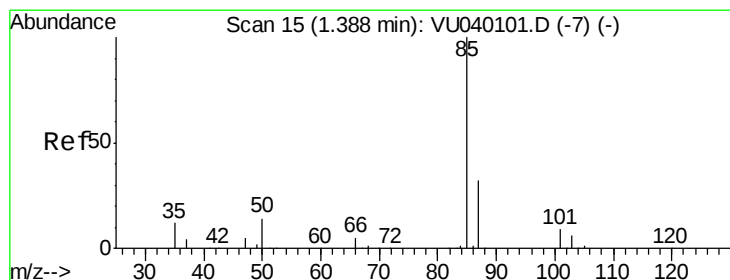
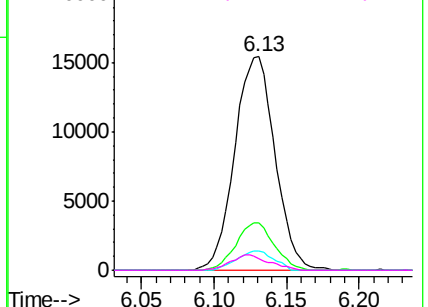
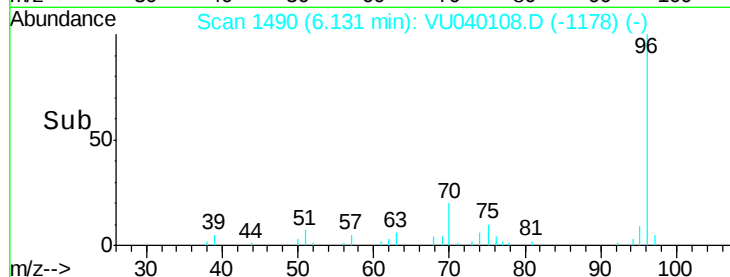


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 9.691 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040108.D

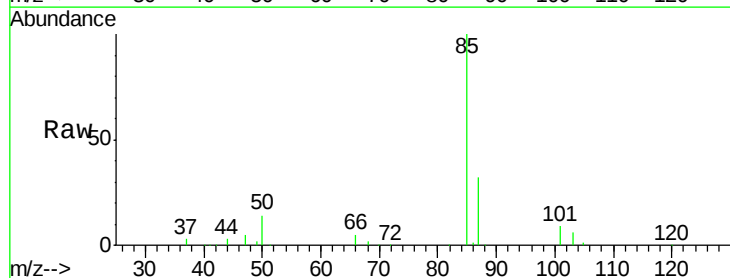
Acq: 11 Sep 2020 17:23

Tgt Ion: 85 Resp: 128256

Ion Ratio Lower Upper

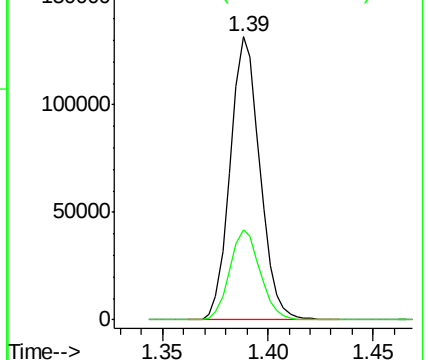
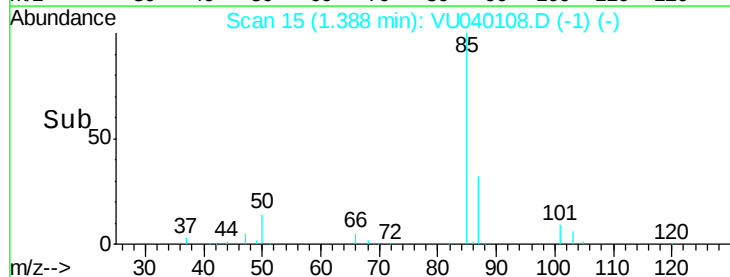
85 100

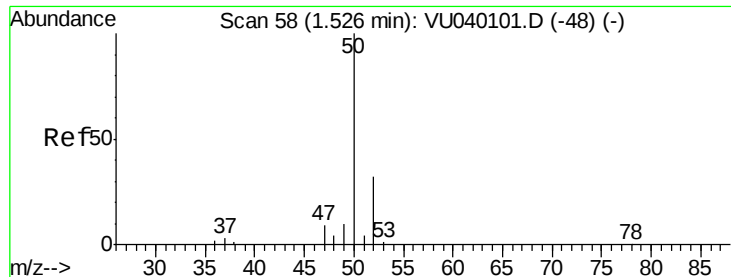
87 31.9 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.676 ug/l

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

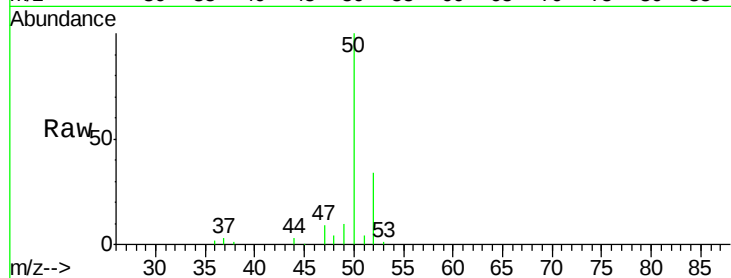
VSTDCCC010EC

Tot Ion: 50 Resp: 102467

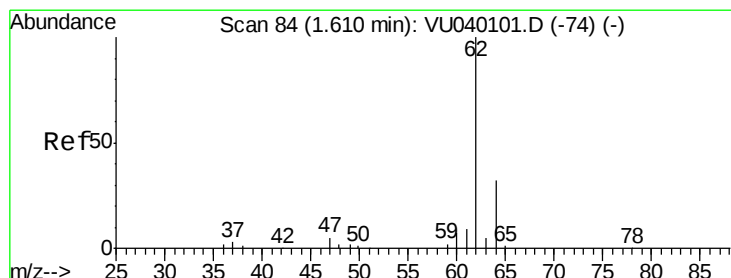
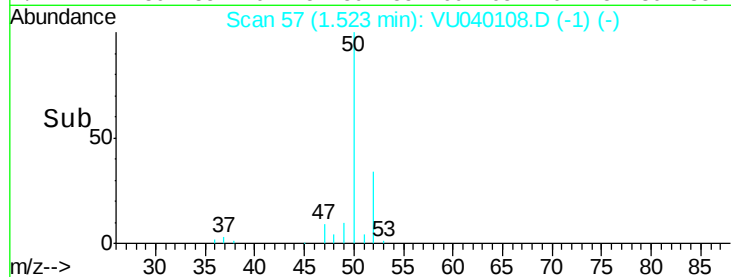
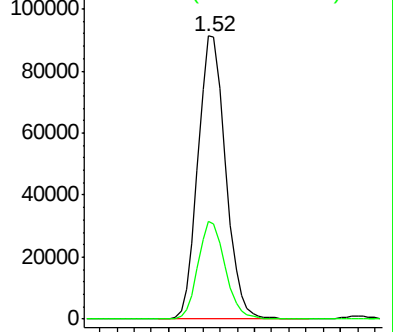
Ion Ratio Lower Upper

50 100

52 34.5 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VU040108.D (-1) (-)



#4

Vinyl Chloride

Concen: 9.442 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040108.D

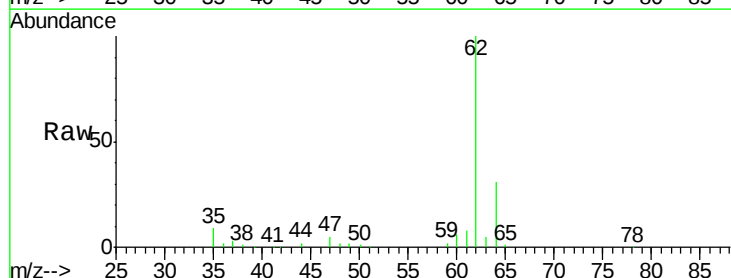
Acq: 11 Sep 2020 17:23

Tgt Ion: 62 Resp: 112902

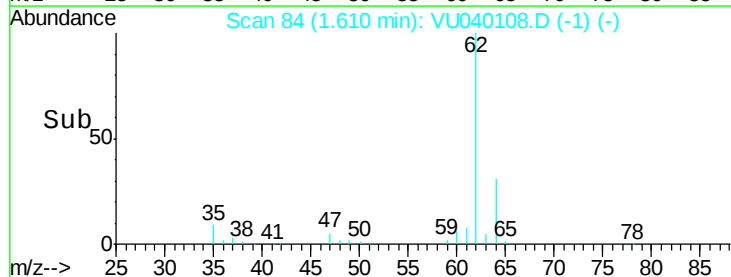
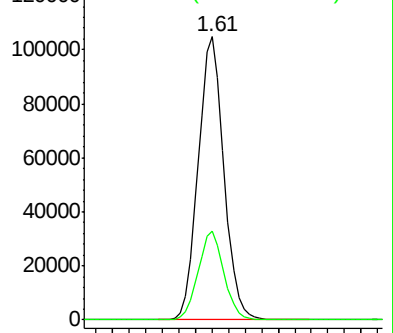
Ion Ratio Lower Upper

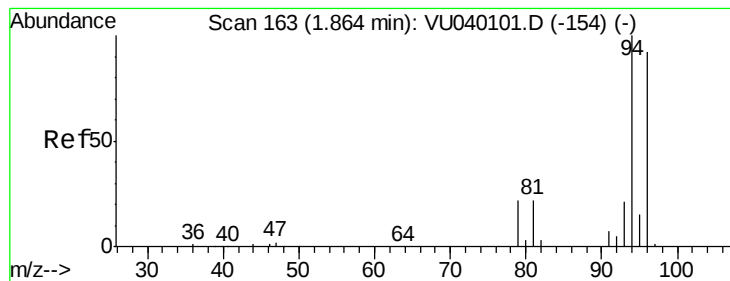
62 100

64 31.3 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU040108.D (-1) (-)





#5

Bromomethane

Concen: 14.324 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

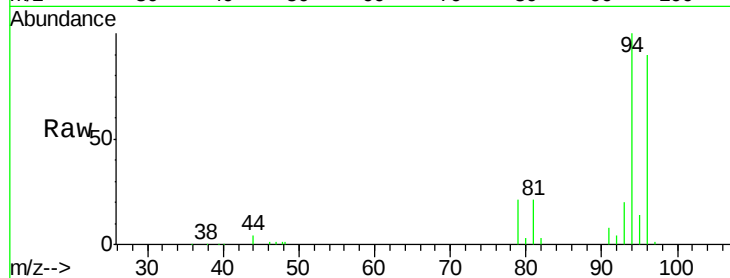
VSTDCCC010EC

Tot Ion: 94 Resp: 53684

Ion Ratio Lower Upper

94 100

96 90.3 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VU040108.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040108.D (-154) (-)

1.87

40000

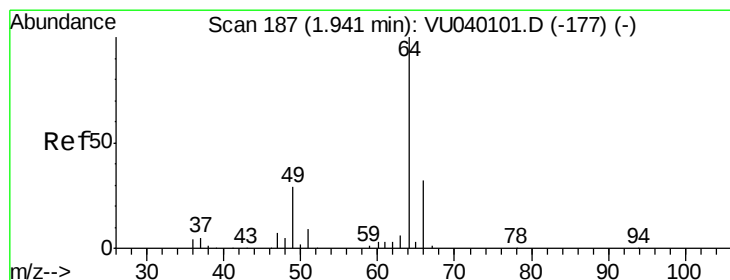
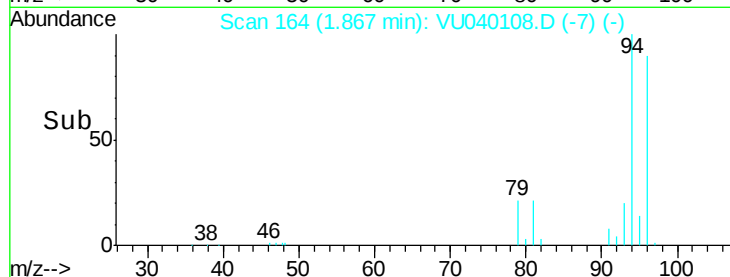
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 9.445 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040108.D

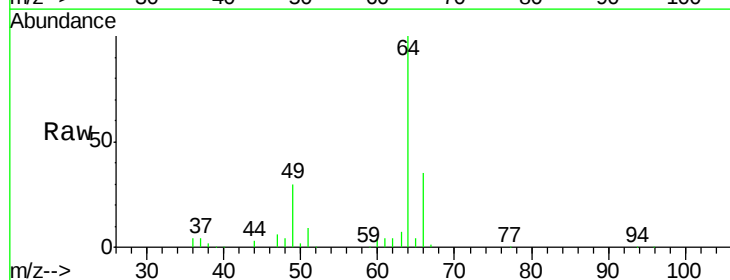
Acq: 11 Sep 2020 17:23

Tgt Ion: 64 Resp: 64695

Ion Ratio Lower Upper

64 100

66 35.2 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU040108.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU040108.D (-177) (-)

1.94

50000

40000

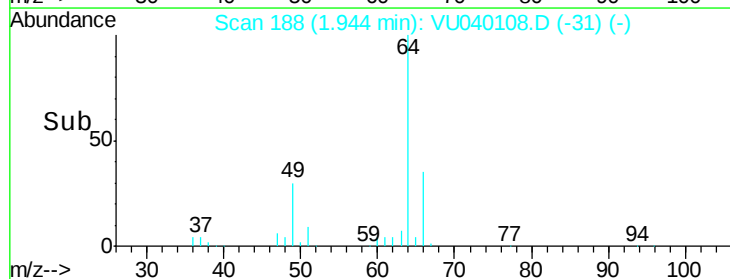
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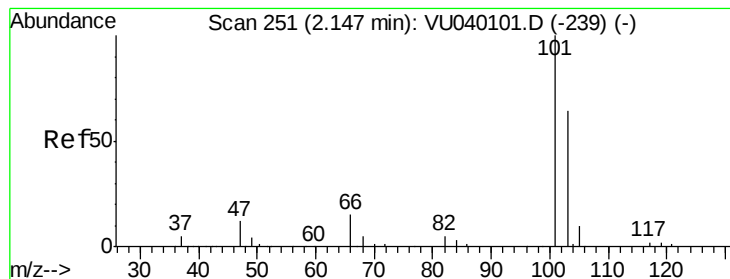
20000

10000

0

Time-->



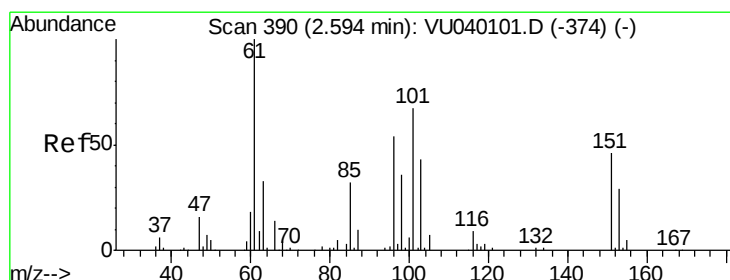
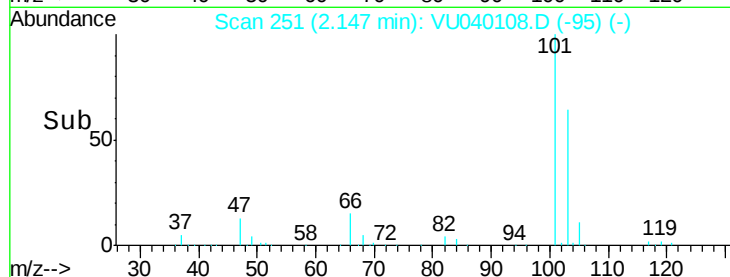
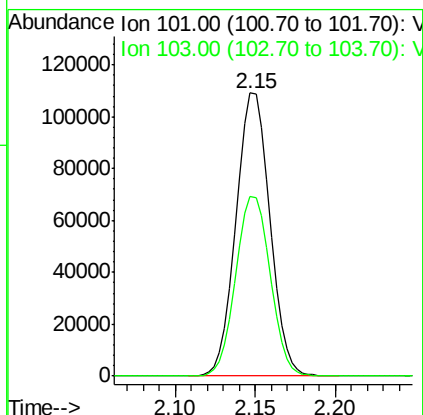
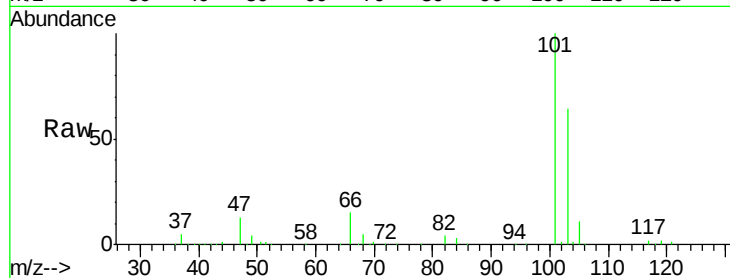


#7

Trichlorofluoromethane
 Concen: 9.303 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Instrument :
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 VSTDCCC010EC

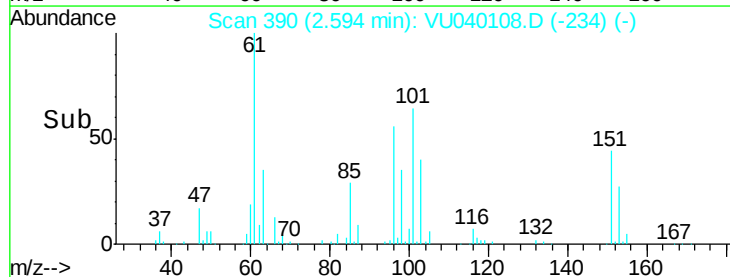
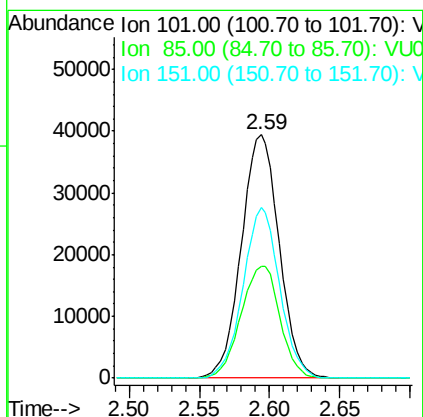
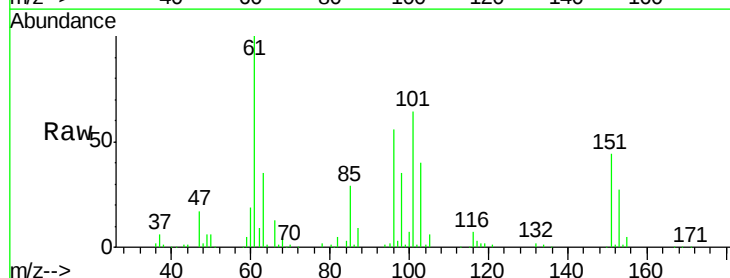
Tot Ion:101 Resp: 156948
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.8 76.2

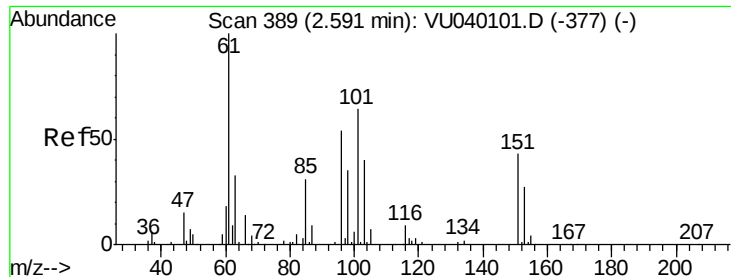


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.852 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion:101 Resp: 74260
 Ion Ratio Lower Upper
 101 100
 85 47.1 38.5 57.7
 151 67.5 54.6 81.8





#9

1,1-Dichloroethene

Concen: 9.736 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

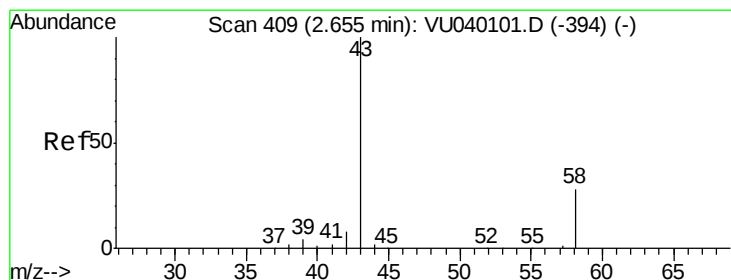
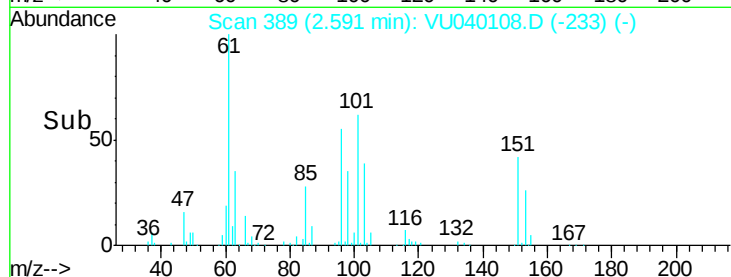
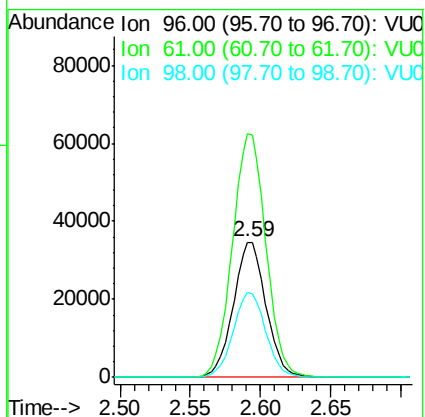
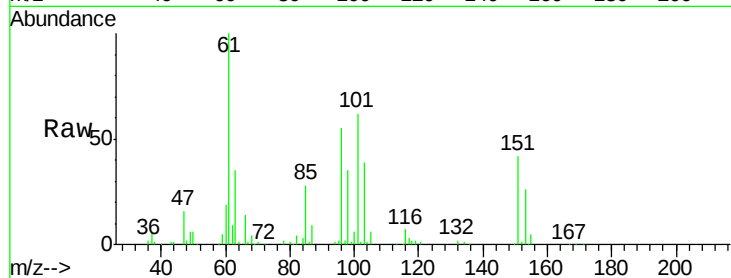
Tot Ion: 96 Resp: 56190

Ion Ratio Lower Upper

96 100

61 180.2 0.0 557.1

98 62.5 0.0 125.6



#13

Acetone

Concen: 47.573 ug/l

RT: 2.68 min Scan# 417

Delta R.T. 0.03 min

Lab File: VU040108.D

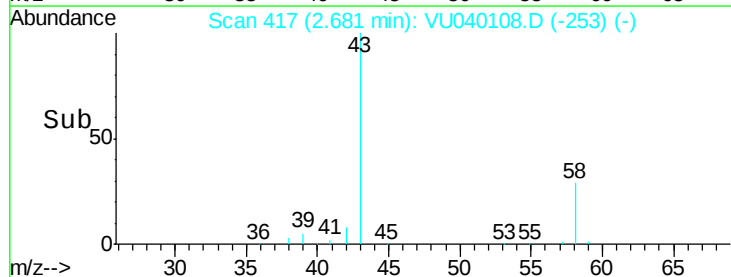
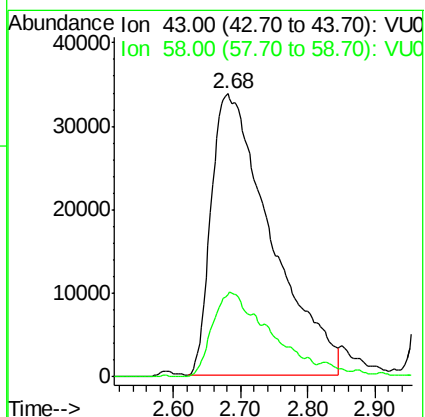
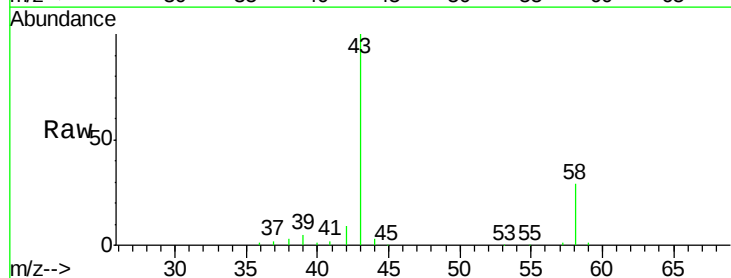
Acq: 11 Sep 2020 17:23

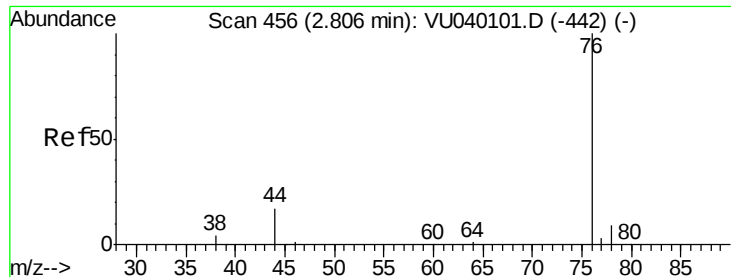
Tgt Ion: 43 Resp: 208058

Ion Ratio Lower Upper

43 100

58 29.1 20.6 31.0





#14

Carbon Disulfide

Concen: 8.847 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

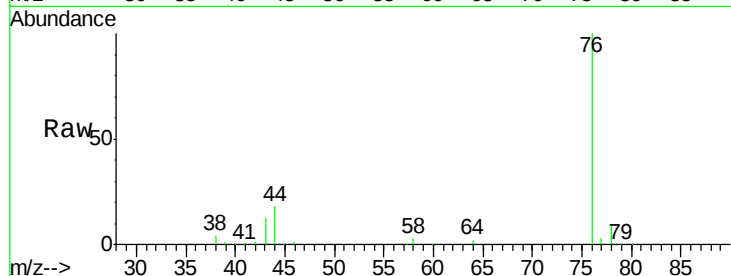
VSTDCCC010EC

Tot Ion: 76 Resp: 89304

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU040108.D (-300) (-)

Ion 78.00 (77.70 to 78.70): VU040108.D (-300) (-)

2.81

60000

50000

40000

30000

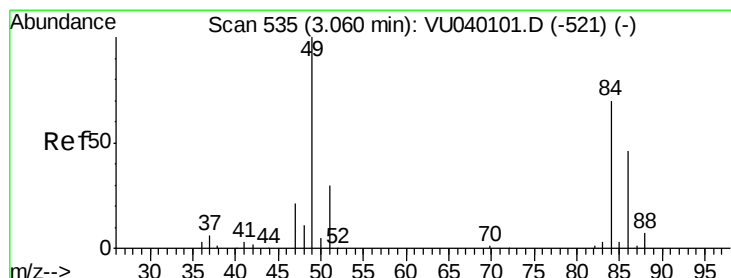
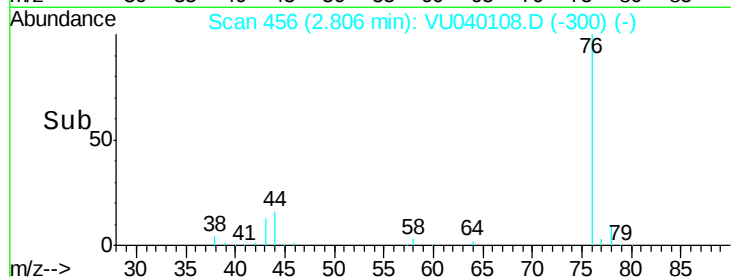
20000

10000

0

Time-->

2.75 2.80 2.85 2.90



#15

Methylene Chloride

Concen: 7.999 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Tgt Ion: 84 Resp: 77574

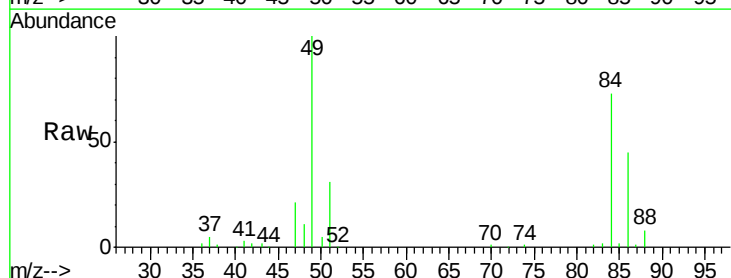
Ion Ratio Lower Upper

84 100

49 136.8 114.3 171.5

51 42.1 0.0 84.6

86 61.6 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VU040108.D (-379) (-)

Ion 49.00 (48.70 to 49.70): VU040108.D (-379) (-)

Ion 51.00 (50.70 to 51.70): VU040108.D (-379) (-)

Ion 86.00 (85.70 to 86.70): VU040108.D (-379) (-)

80000

60000

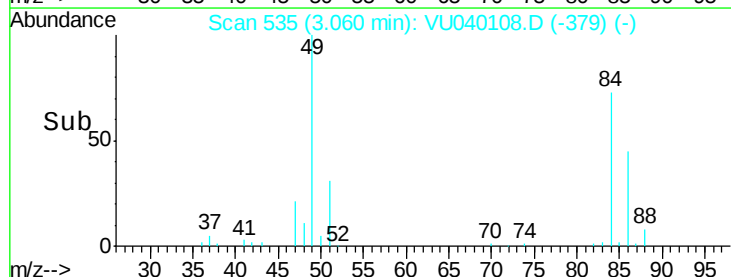
40000

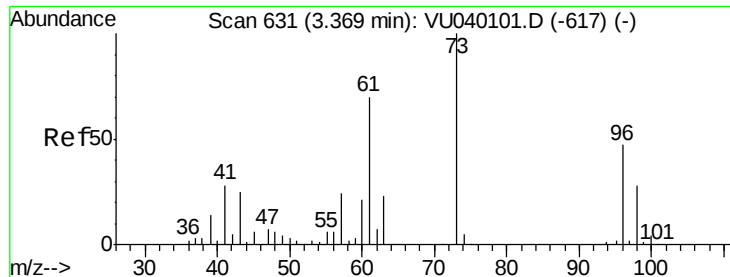
20000

0

Time-->

3.00 3.05 3.10 3.15

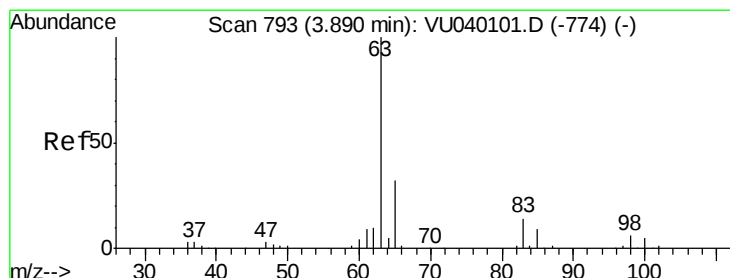
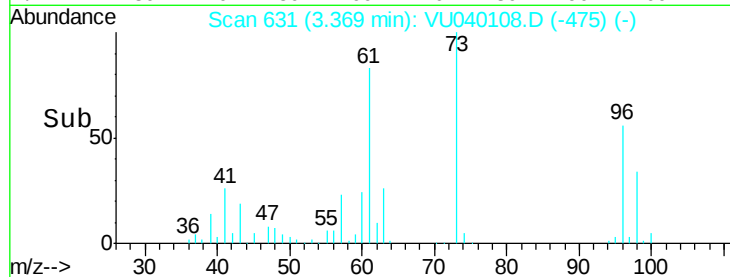
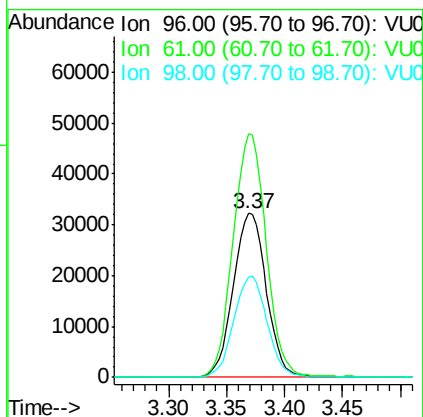
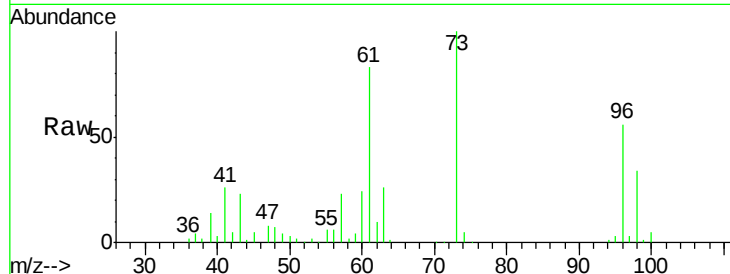




#16
trans-1,2-Dichloroethene
Concen: 10.293 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

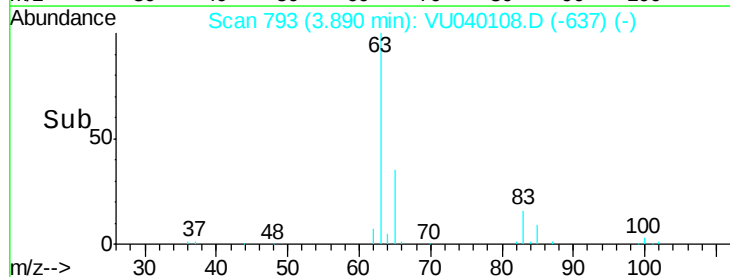
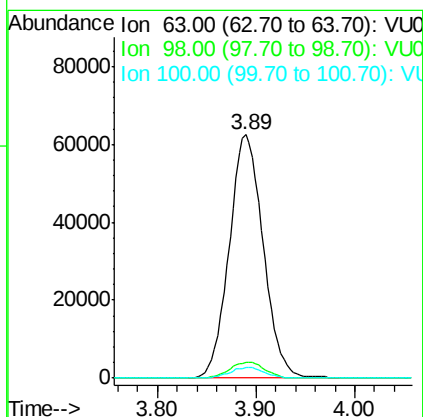
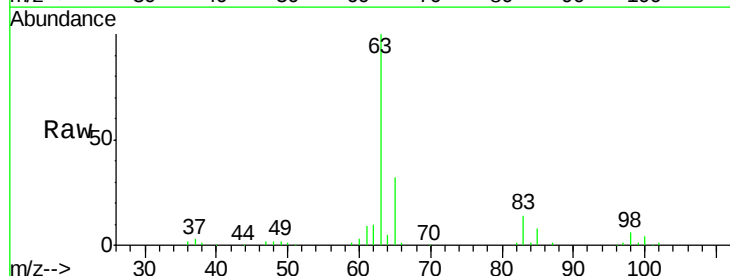
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

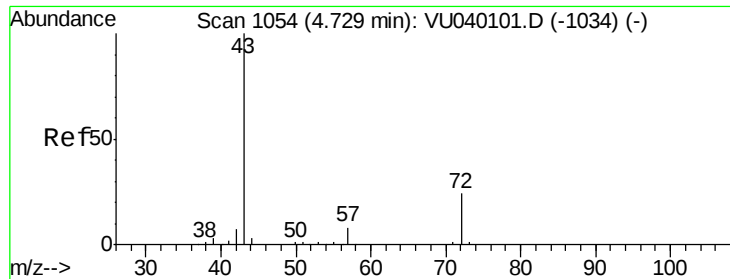
Tot Ion: 96 Resp: 63847
Ion Ratio Lower Upper
96 100
61 148.7 121.4 182.0
98 61.5 51.9 77.9



#17
1,1-Dichloroethane
Concen: 9.838 ug/l
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 63 Resp: 149865
Ion Ratio Lower Upper
63 100
98 6.4 3.1 9.4
100 4.3 2.0 5.8

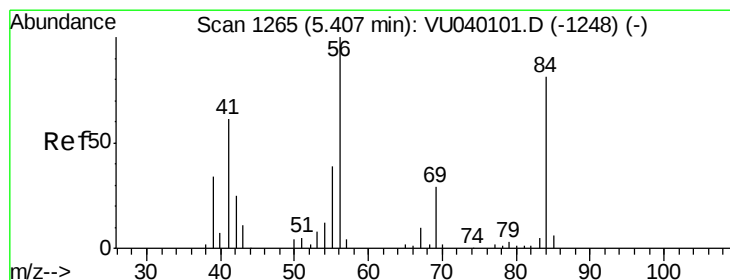
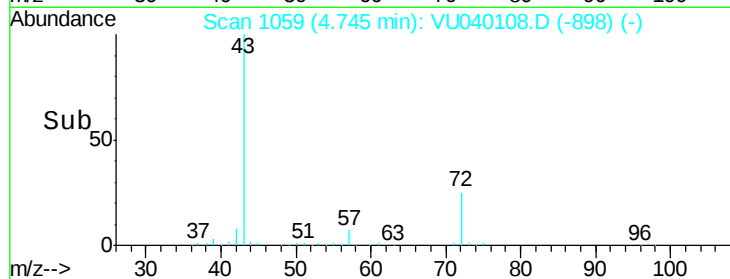
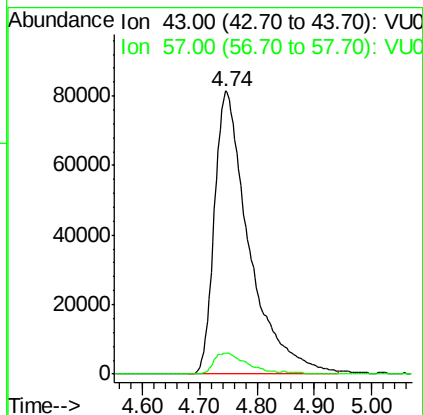
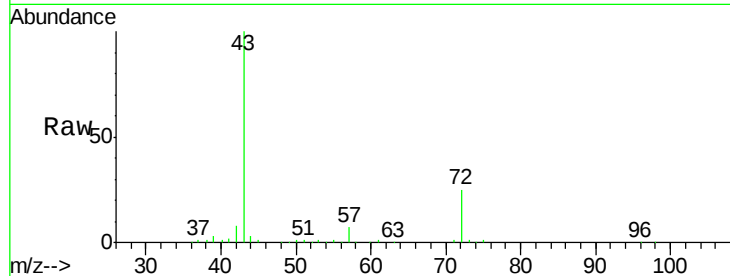




#18
2-Butanone
Concen: 52.064 ug/l
RT: 4.74 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

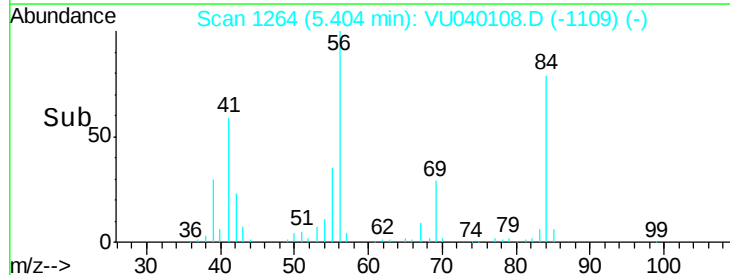
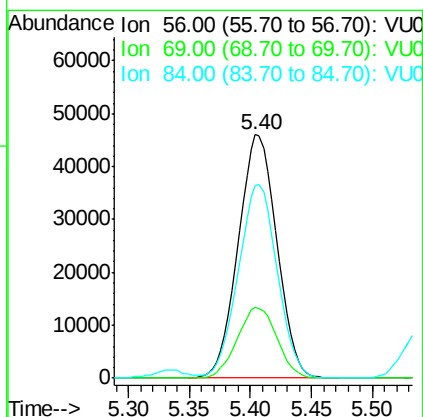
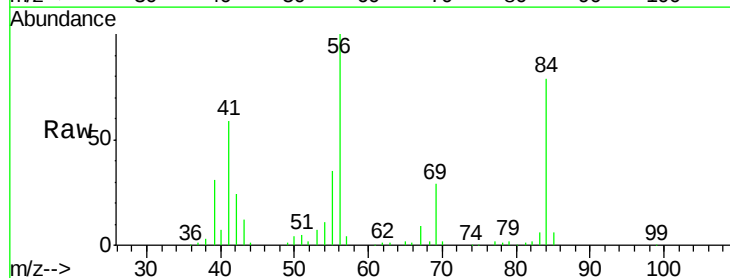
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

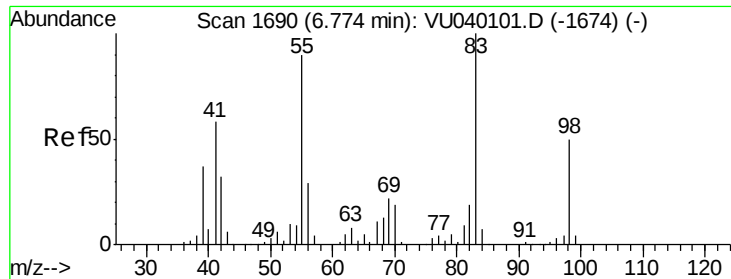
Tot Ion: 43 Resp: 343906
Ion Ratio Lower Upper
43 100
57 7.5 0.0 15.2



#19
Cyclohexane
Concen: 10.659 ug/l
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 56 Resp: 100818
Ion Ratio Lower Upper
56 100
69 29.8 23.5 35.3
84 78.8 63.8 95.6

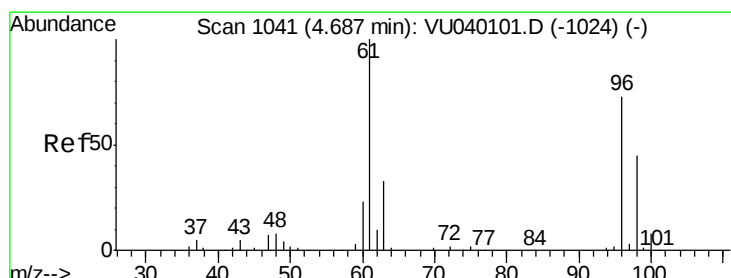
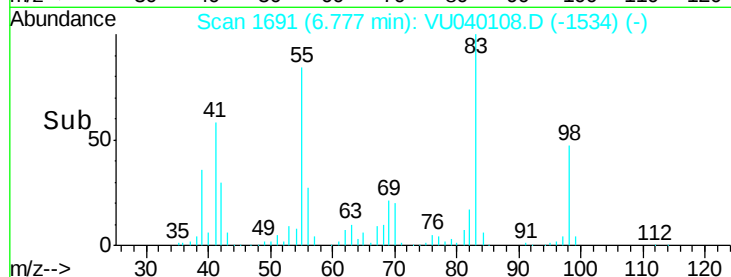
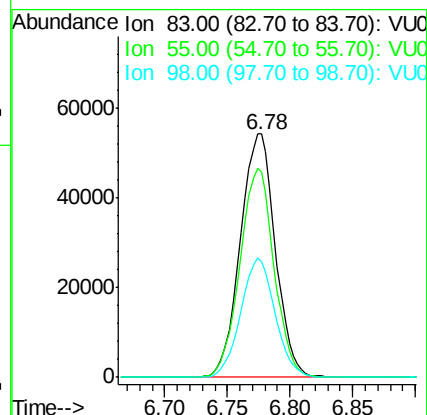
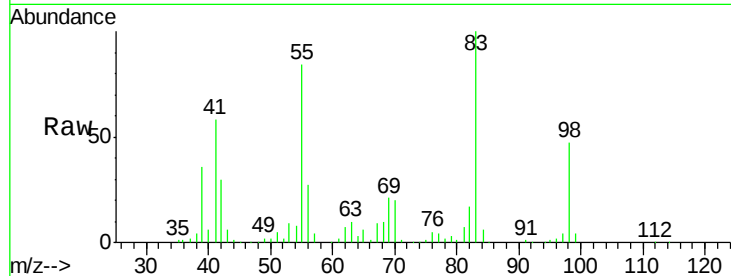




#20
Methvlcvclohexane
Concen: 10.960 ug/l
RT: 6.78 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

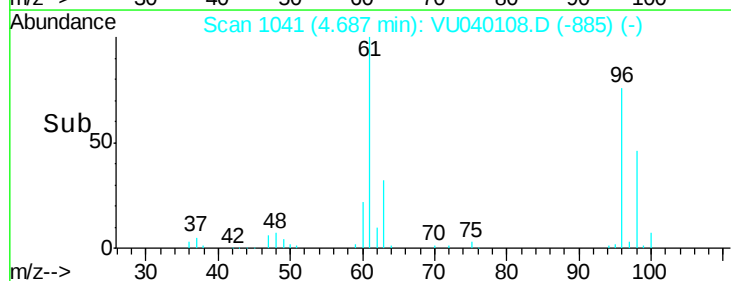
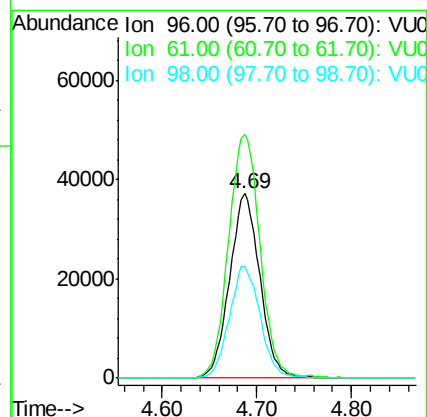
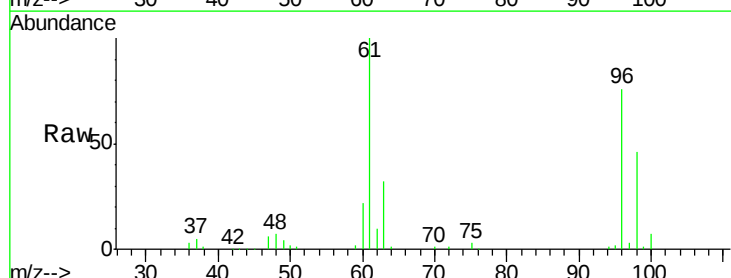
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

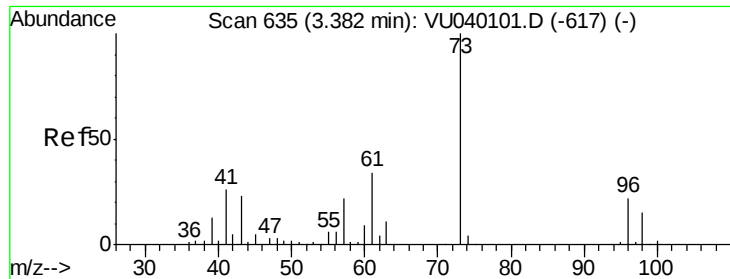
Tot Ion: 83 Resp: 105016
Ion Ratio Lower Upper
83 100
55 83.9 69.4 104.2
98 48.0 37.5 56.3



#22
cis-1,2-Dichloroethene
Concen: 10.576 ug/l
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 96 Resp: 82700
Ion Ratio Lower Upper
96 100
61 137.0 0.0 420.0
98 61.5 31.8 95.3

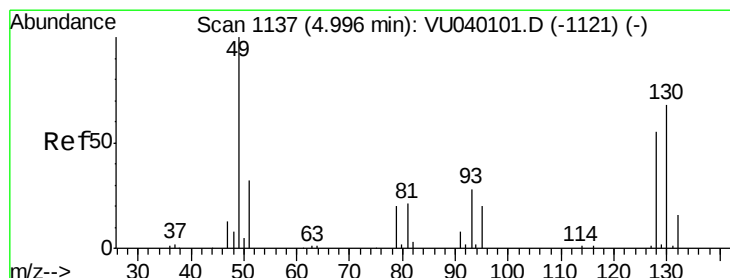
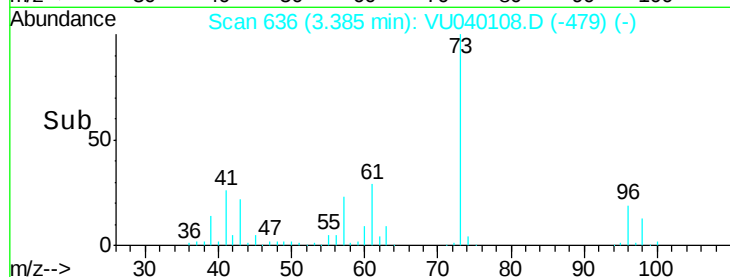
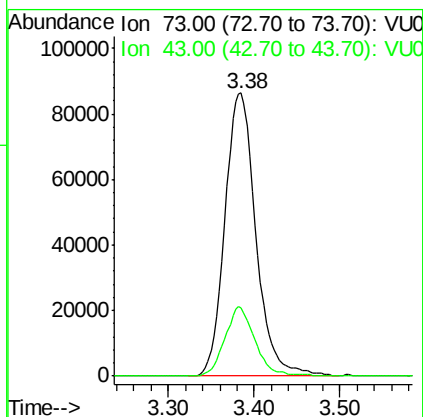
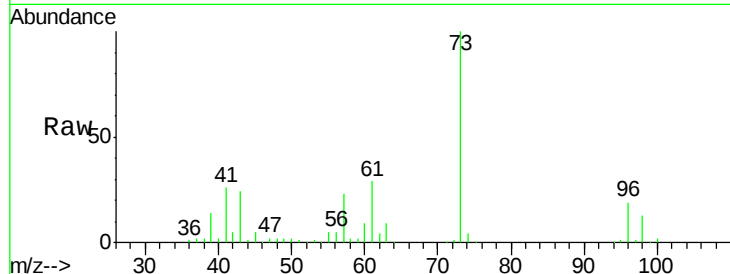




#25
Methvl tert-Butvl Ether
Concen: 10.350 ug/l
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

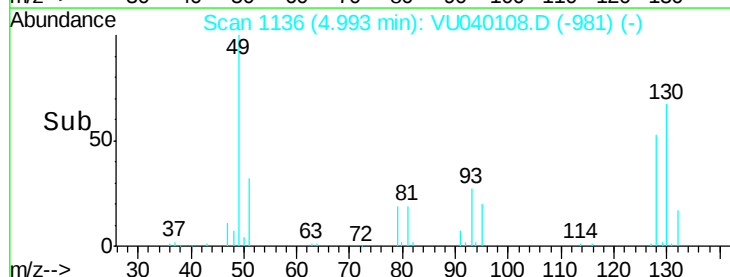
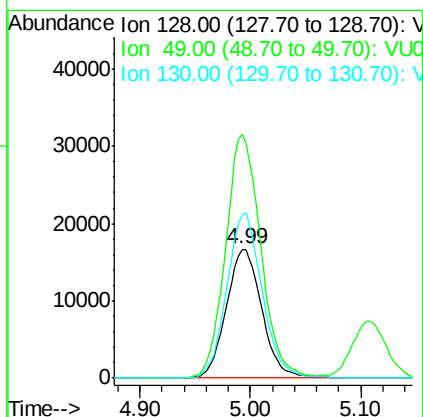
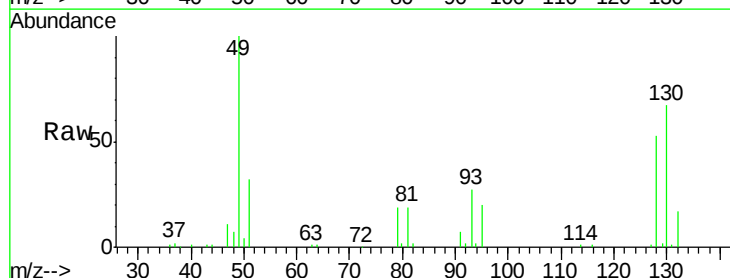
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

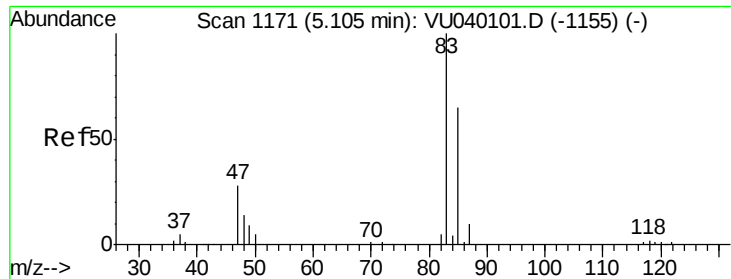
Tot Ion: 73 Resp: 216355
Ion Ratio Lower Upper
73 100
43 24.1 20.0 30.0



#26
Bromochloromethane
Concen: 9.795 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 128 Resp: 37227
Ion Ratio Lower Upper
128 100
49 187.1 0.0 390.6
130 126.4 104.9 157.3

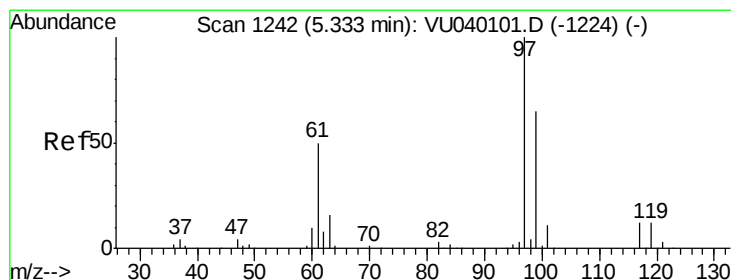
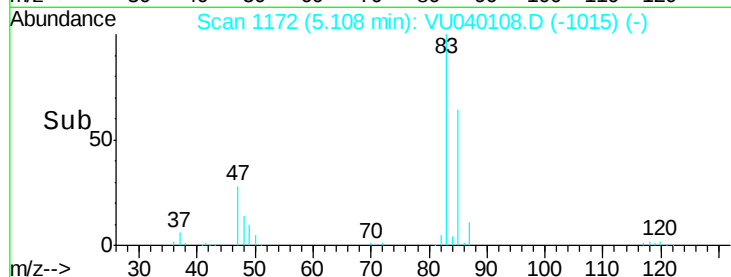
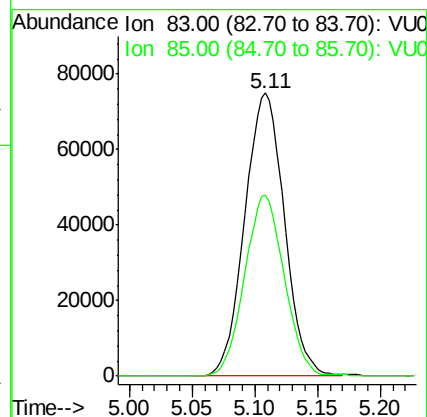
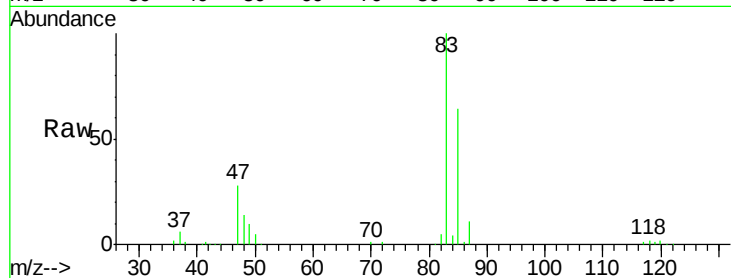




#27
Chloroform
Concen: 9.884 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

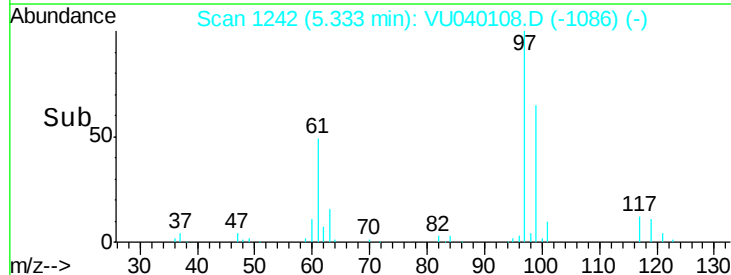
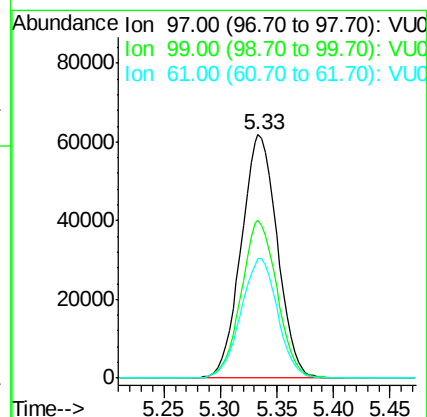
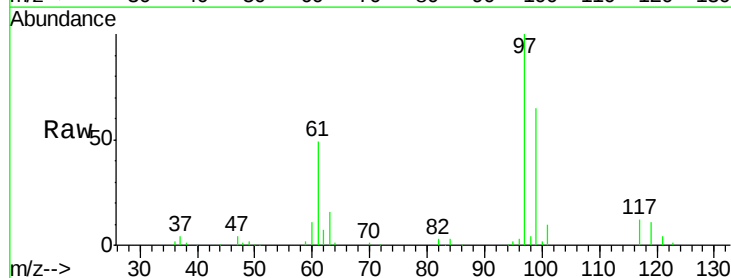
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

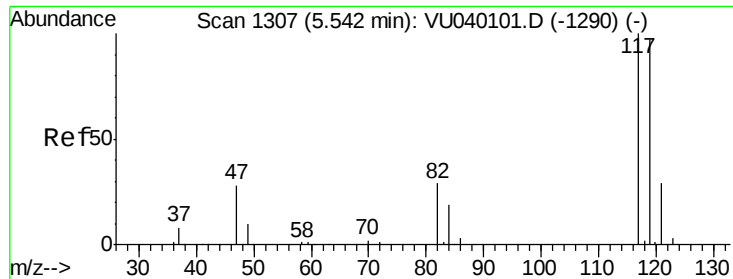
Tot Ion: 83 Resp: 164701
Ion Ratio Lower Upper
83 100
85 64.0 0.0 132.4



#28
1,1,1-Trichloroethane
Concen: 9.800 ug/l
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 97 Resp: 137203
Ion Ratio Lower Upper
97 100
99 64.3 31.8 95.4
61 49.9 25.1 75.2

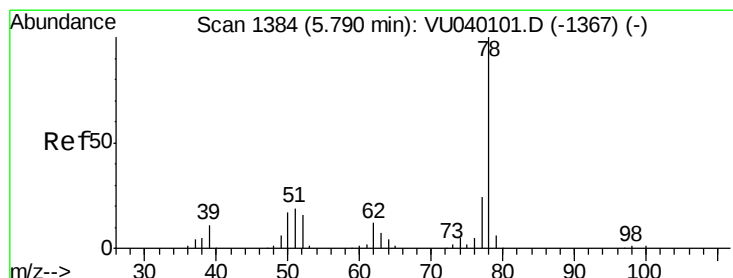
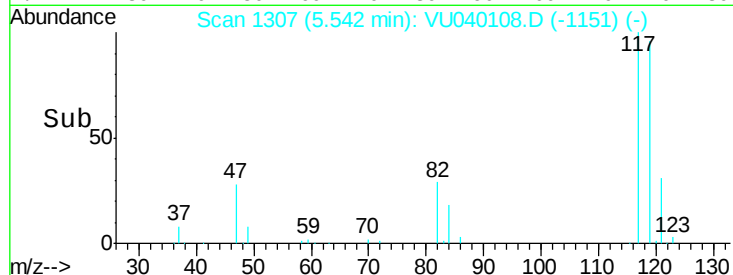
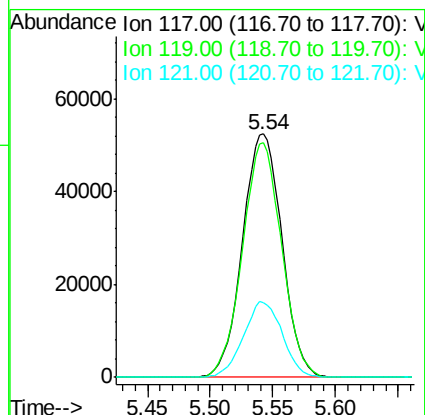
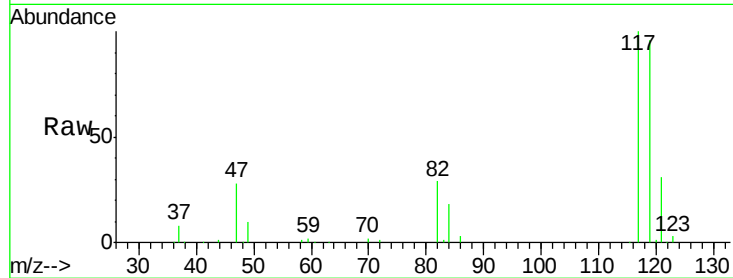




#30
Carbon Tetrachloride
Concen: 9.964 ug/l
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

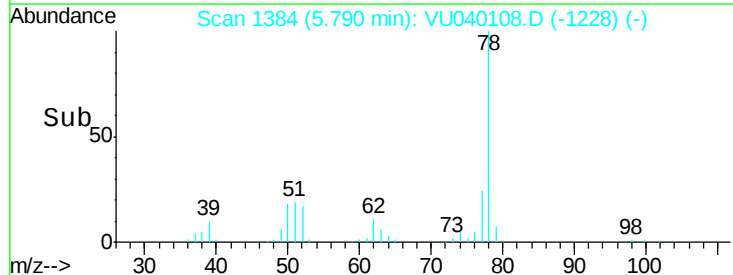
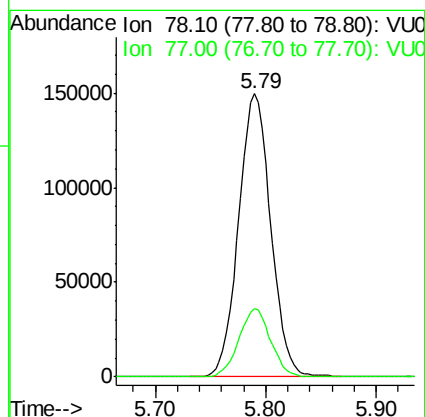
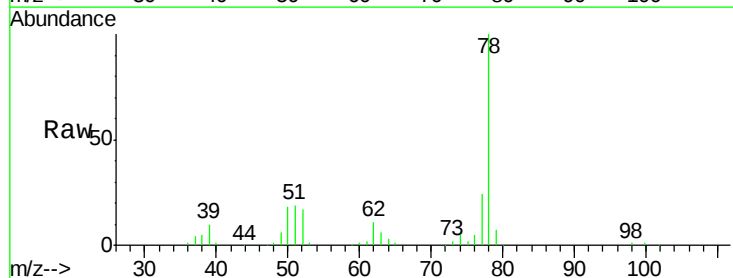
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

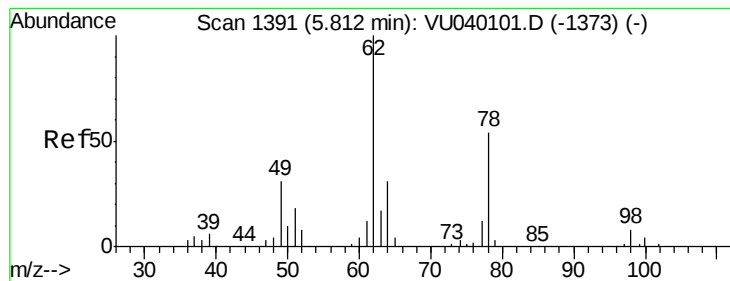
Tot Ion:117 Resp: 114589
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.4
121 30.9 24.2 36.4



#35
Benzene
Concen: 10.109 ug/l
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 78 Resp: 302164
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7





#36

1,2-Dichloroethane

Concen: 9.674 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

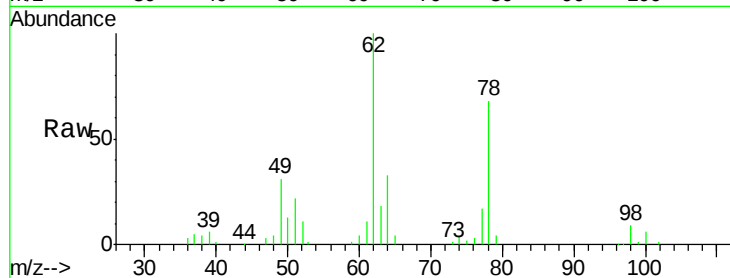
VSTDCCC010EC

Tot Ion: 62 Resp: 116207

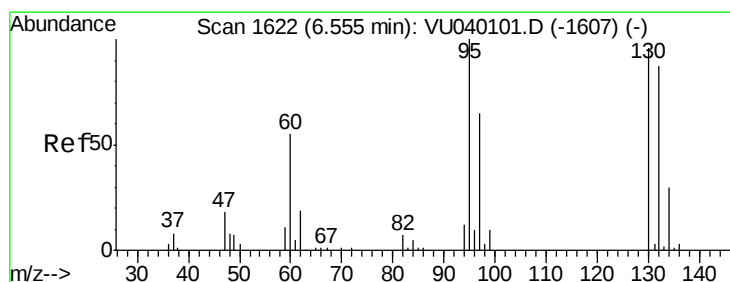
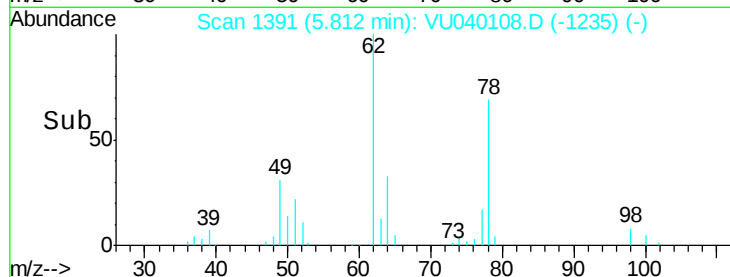
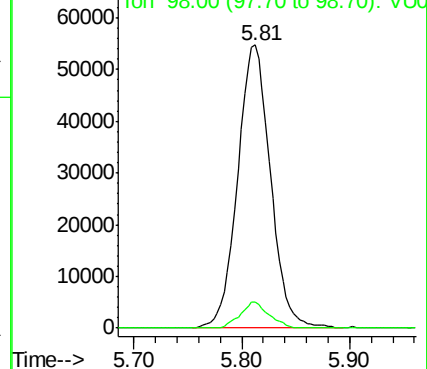
Ion Ratio Lower Upper

62 100

98 8.2 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU040108.D (-1235) (-)



#37

Trichloroethene

Concen: 10.050 ug/l

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040108.D

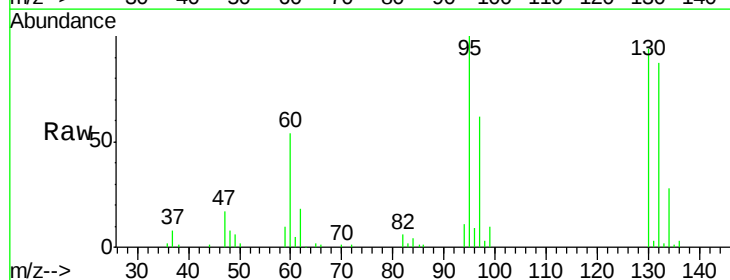
Acq: 11 Sep 2020 17:23

Tgt Ion:130 Resp: 77163

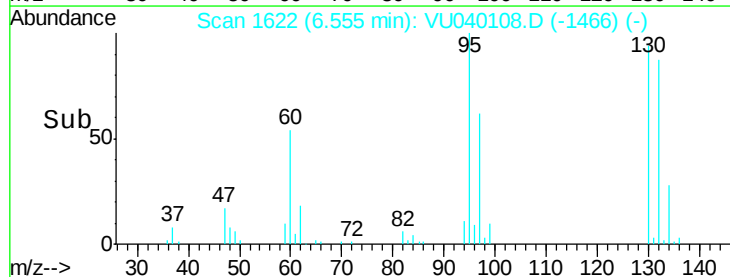
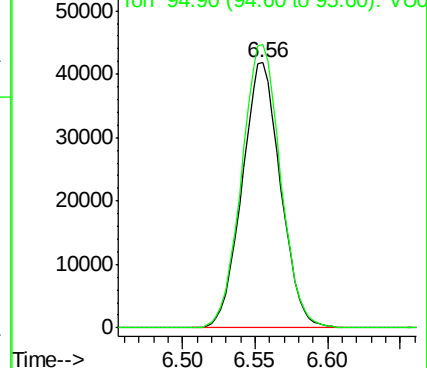
Ion Ratio Lower Upper

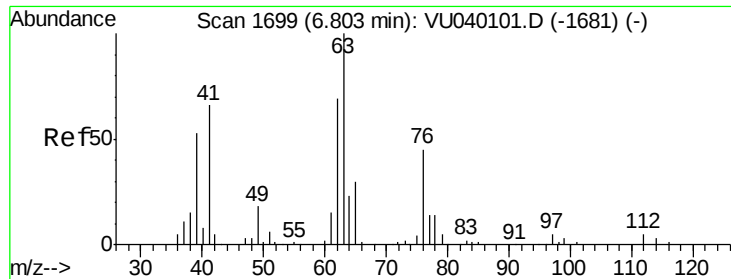
130 100

95 106.7 84.2 126.2



Abundance Ion 129.90 (129.60 to 130.60): VU040108.D (-1466) (-)

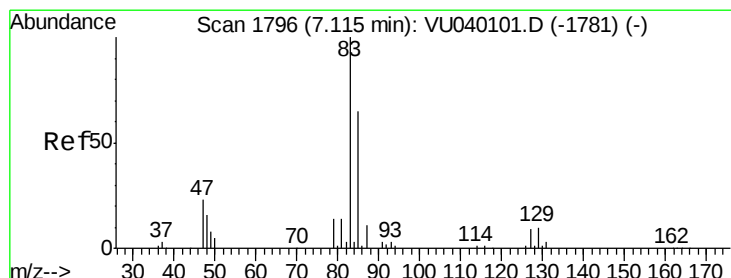
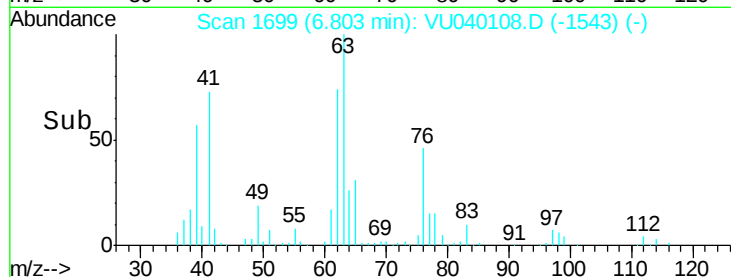
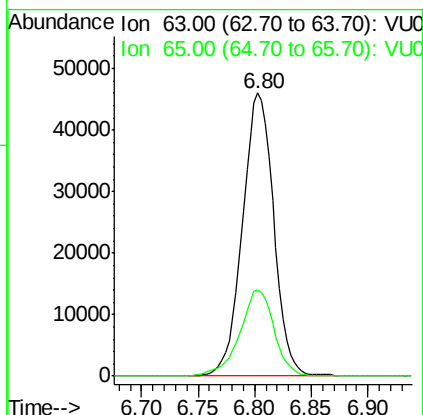
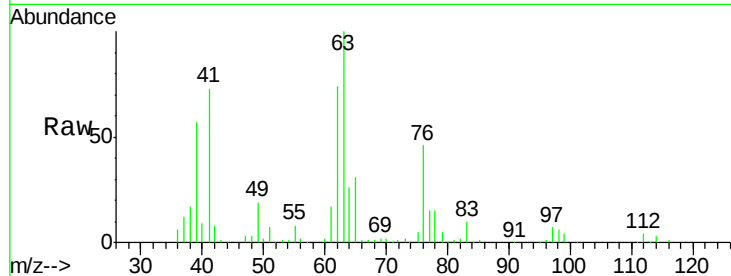




#38
 1,2-Dichloropropane
 Concen: 9.593 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

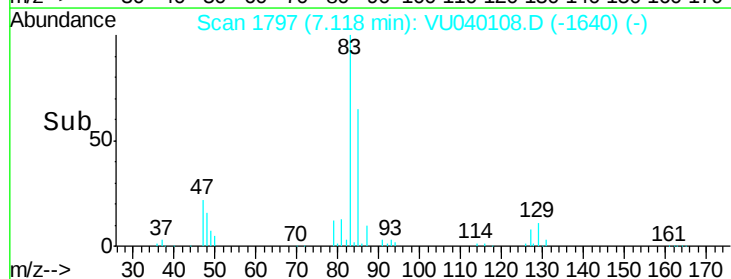
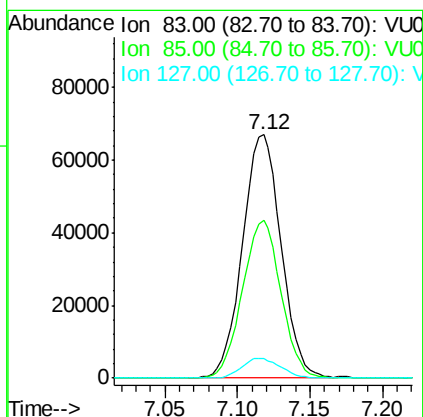
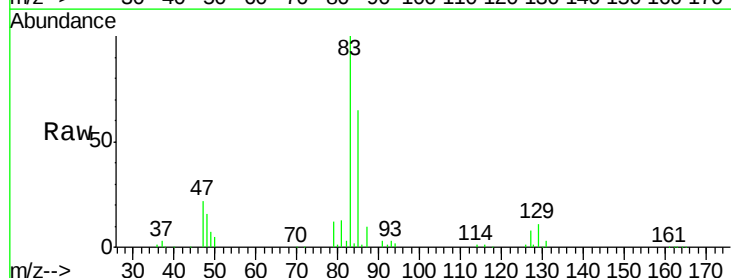
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

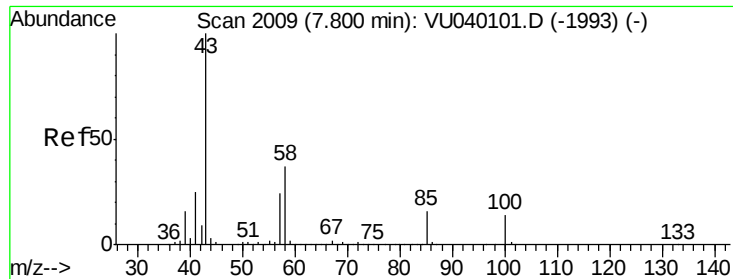
Tot Ion: 63 Resp: 88751
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.0 34.6



#44
 Bromodichloromethane
 Concen: 9.844 ug/l
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion: 83 Resp: 124458
 Ion Ratio Lower Upper
 83 100
 85 64.9 52.1 78.1
 127 7.9 6.6 9.8

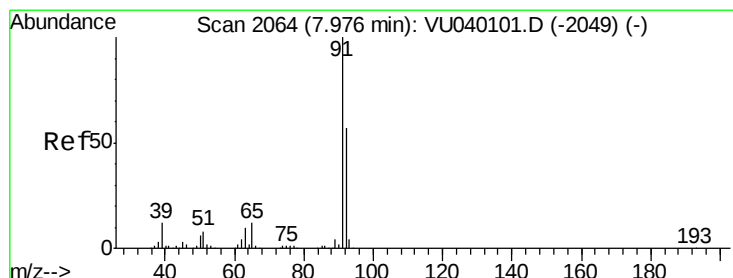
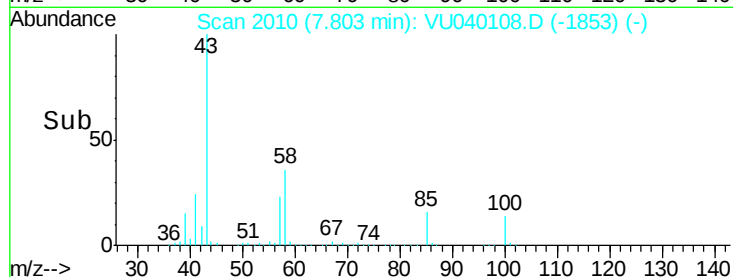
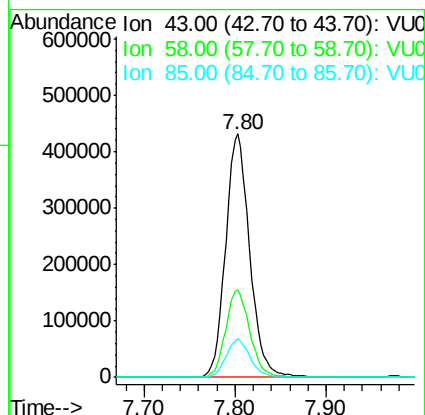
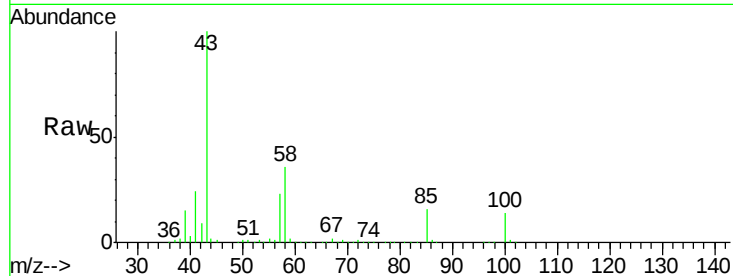




#45
 4-Methyl-2-Pentanone
 Concen: 52.647 ug/l
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

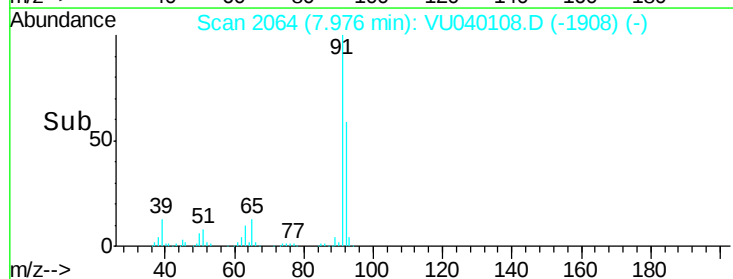
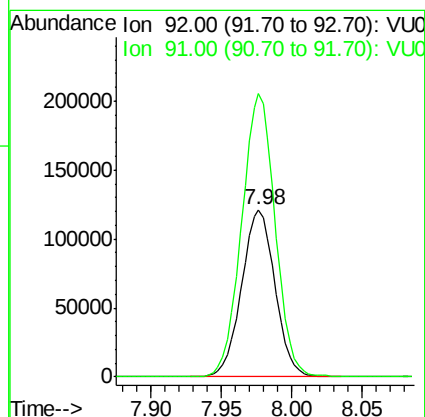
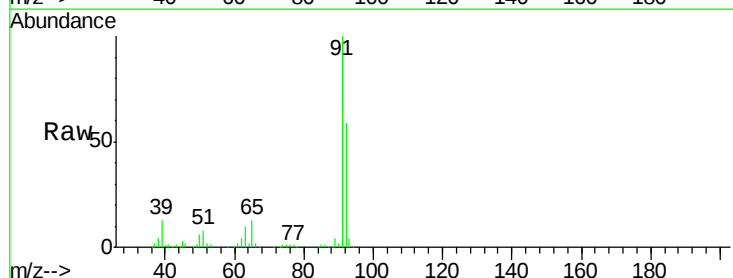
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

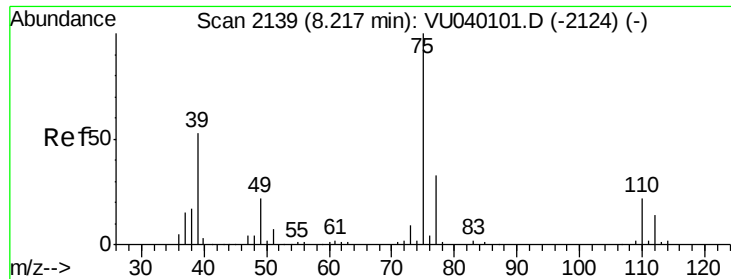
Tot Ion	43	Resp	793756
Ion	Ratio	Lower	Upper
43	100		
58	36.2	18.1	54.3
85	15.7	12.3	18.5



#49
 Toluene
 Concen: 10.602 ug/l
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion	92	Resp	200991
Ion	Ratio	Lower	Upper
92	100		
91	169.9	138.6	207.8

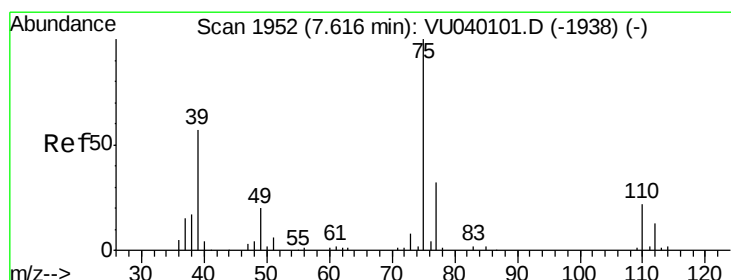
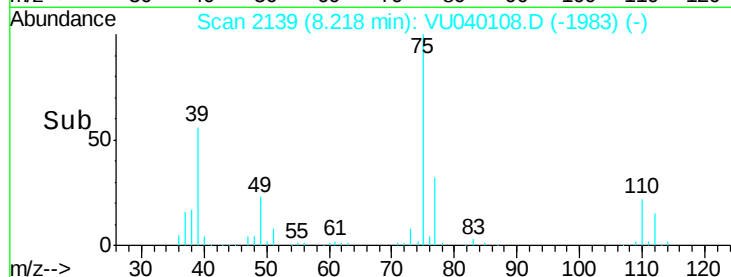
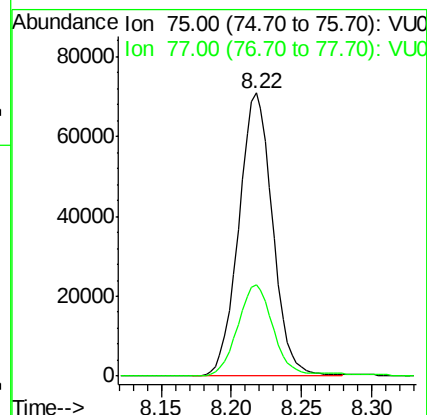
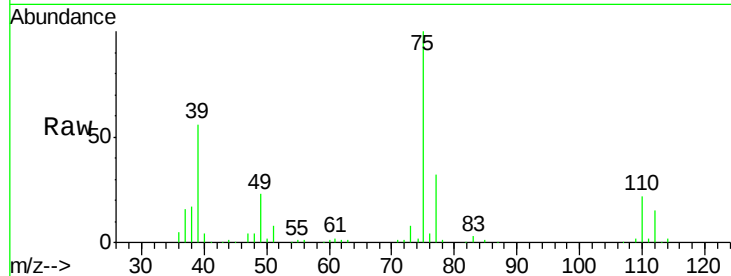




#50
 t-1,3-Dichloropropene
 Concen: 10.063 ug/l
 RT: 8.22 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

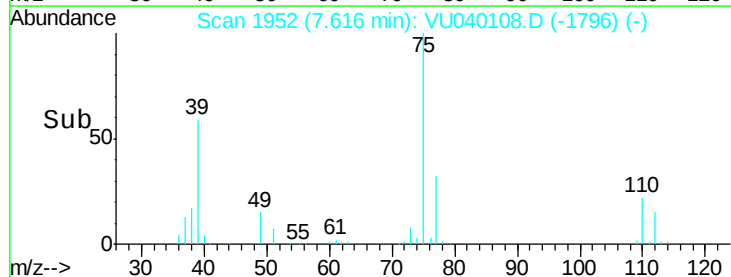
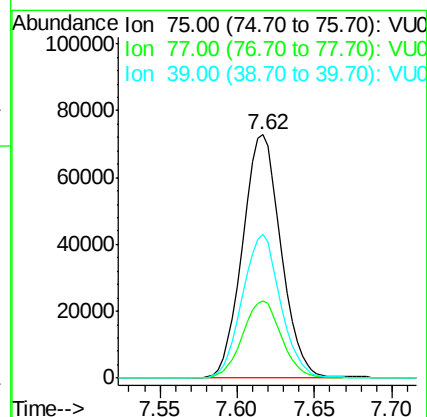
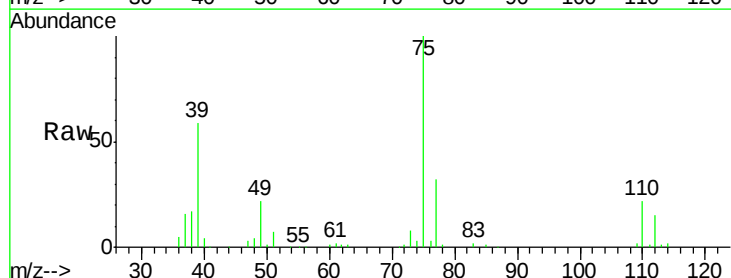
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

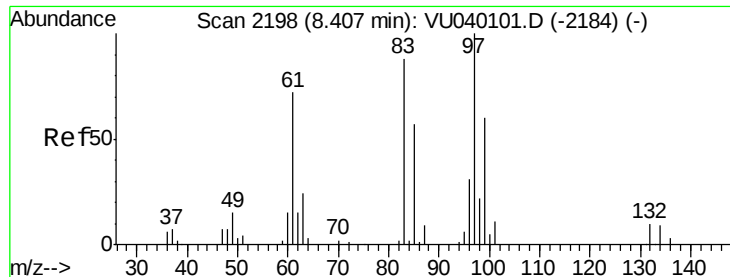
Tot Ion: 75 Resp: 119191
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.4 36.6



#51
 cis-1,3-Dichloropropene
 Concen: 10.341 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion: 75 Resp: 126023
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0
 39 59.3 46.2 69.4

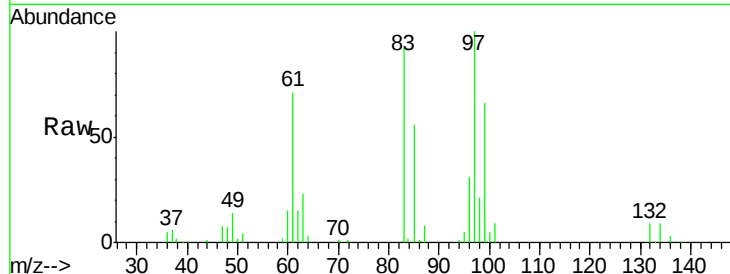




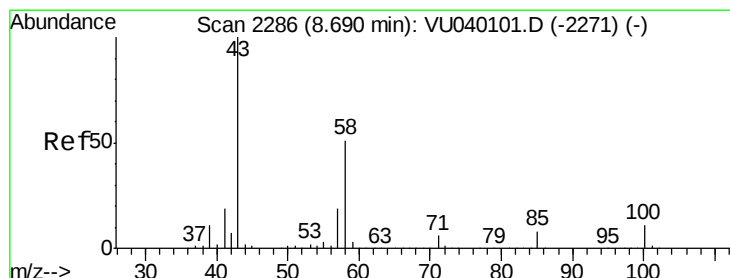
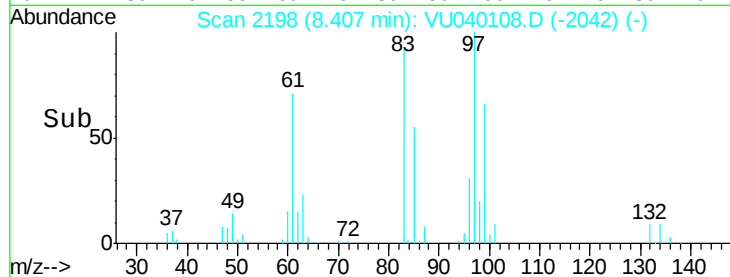
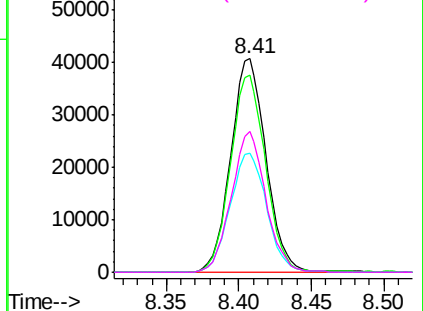
#52
 1,1,2-Trichloroethane
 Concen: 9.366 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 68834
 Ion Ratio Lower Upper
 97 100
 83 92.1 68.7 103.1
 85 56.0 46.7 70.1
 99 65.9 48.6 72.8

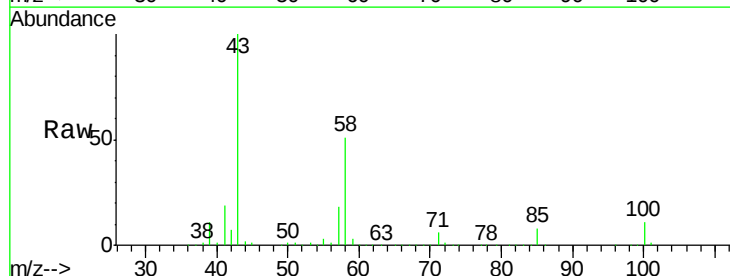


Abundance Ion 97.00 (96.70 to 97.70): VU040108.D (-2042) (-)
 Ion 82.95 (82.65 to 83.65): VU040108.D (-2042) (-)
 Ion 84.95 (84.65 to 85.65): VU040108.D (-2042) (-)
 Ion 98.95 (98.65 to 99.65): VU040108.D (-2042) (-)

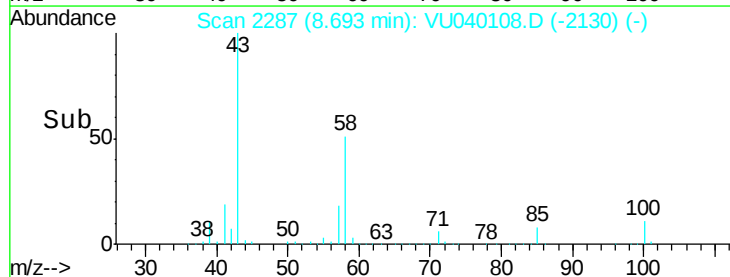
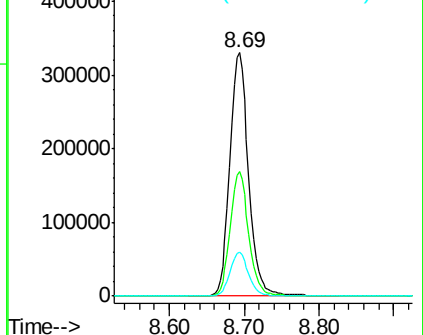


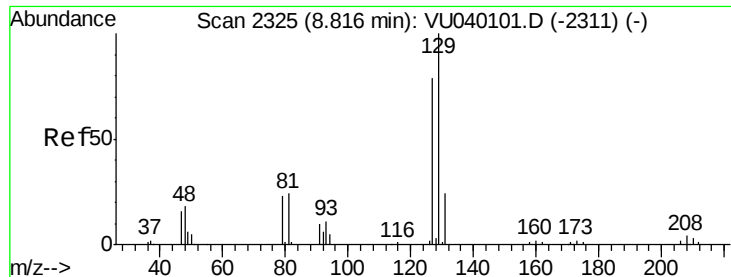
#54
 2-Hexanone
 Concen: 53.591 ug/l
 RT: 8.69 min Scan# 2287
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion: 43 Resp: 571159
 Ion Ratio Lower Upper
 43 100
 58 50.6 29.6 69.6
 57 17.8 0.0 37.8



Abundance Ion 43.00 (42.70 to 43.70): VU040108.D (-2130) (-)
 Ion 58.00 (57.70 to 58.70): VU040108.D (-2130) (-)
 Ion 57.00 (56.70 to 57.70): VU040108.D (-2130) (-)





#55

Dibromochloromethane

Concen: 9.692 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

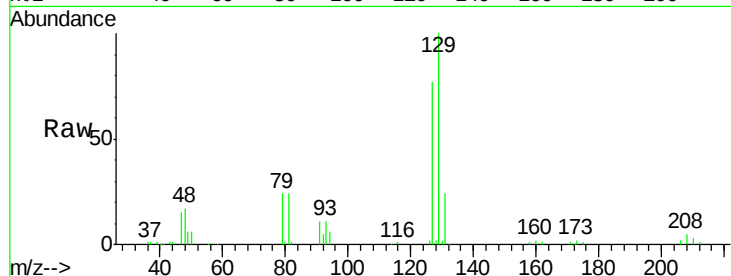
VSTDCCC010EC

Tot Ion:129 Resp: 82371

Ion Ratio Lower Upper

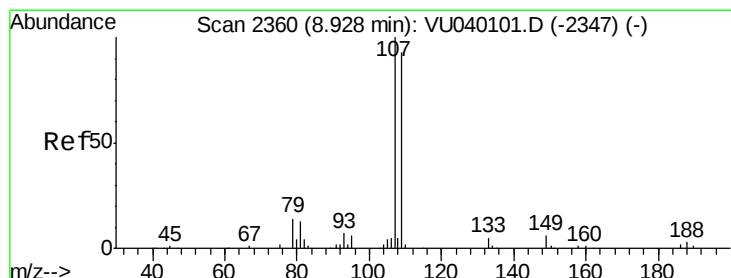
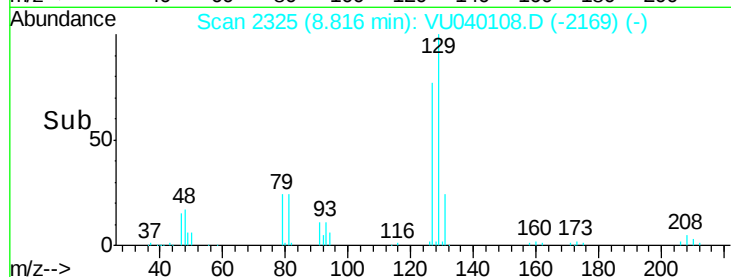
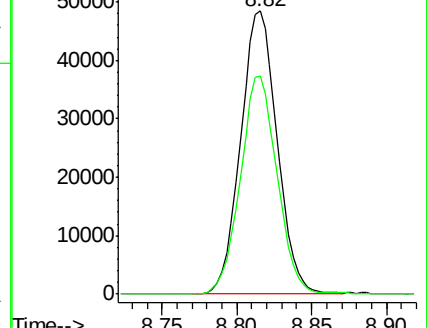
129 100

127 77.1 62.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 9.493 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040108.D

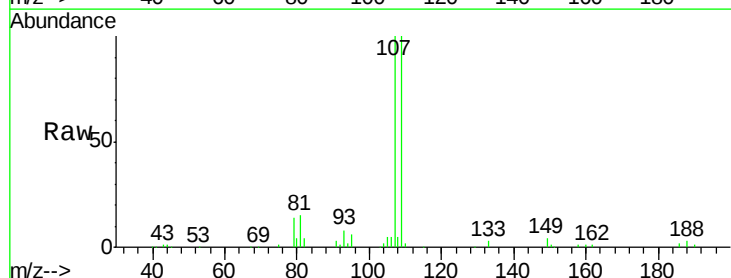
Acq: 11 Sep 2020 17:23

Tgt Ion:107 Resp: 64117

Ion Ratio Lower Upper

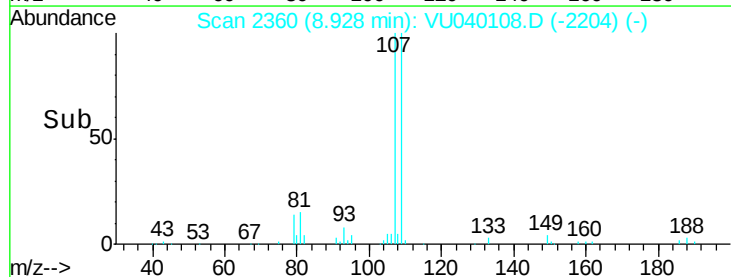
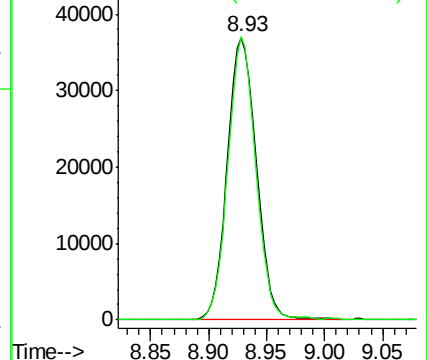
107 100

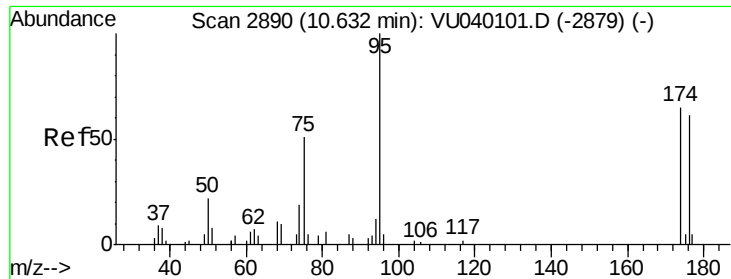
109 95.6 0.0 191.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

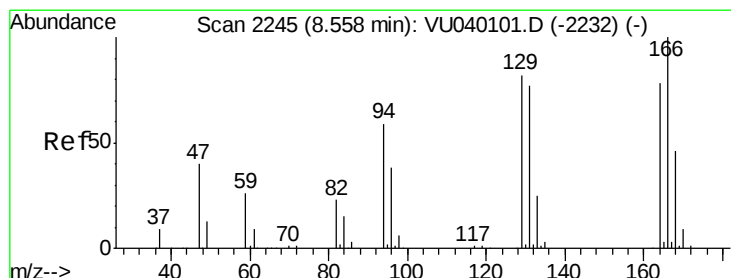
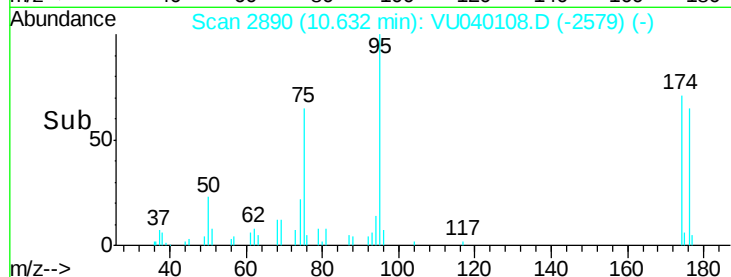
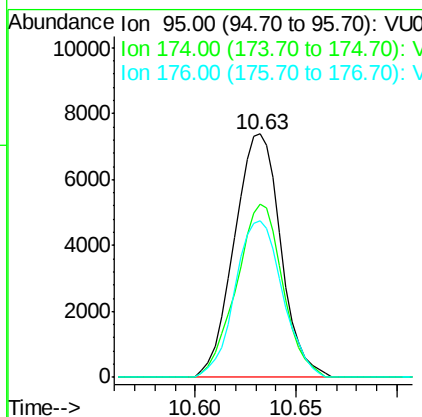
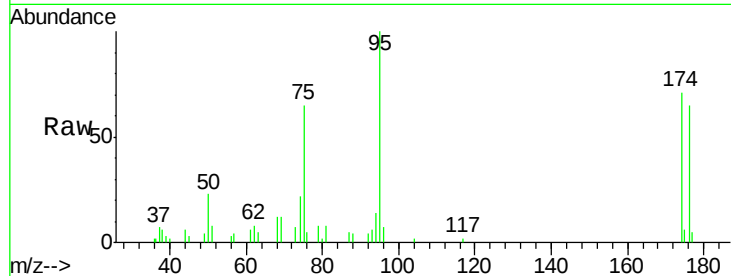




#57
4-Bromofluorobenzene
Concen: 0.957 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

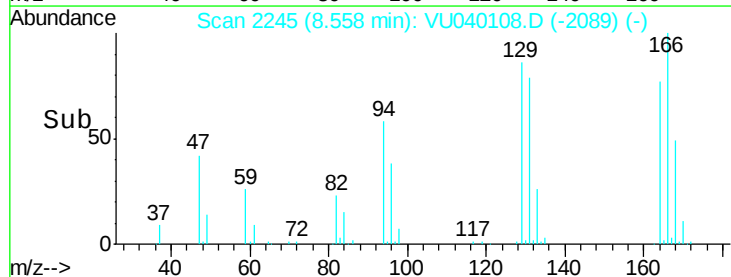
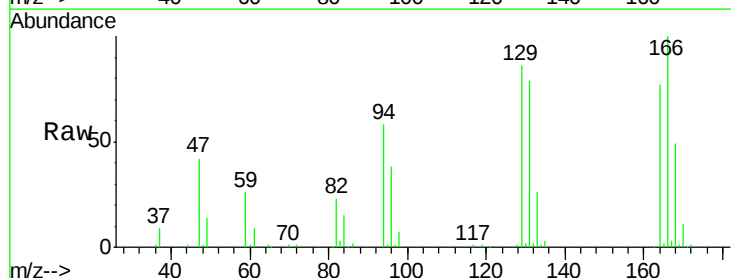
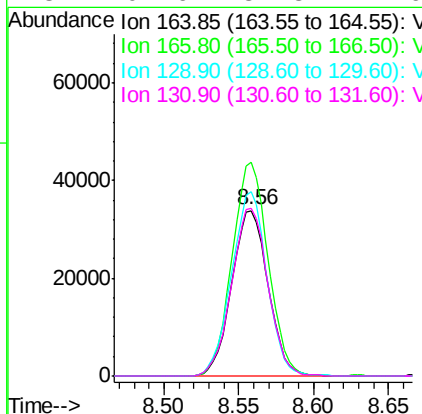
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

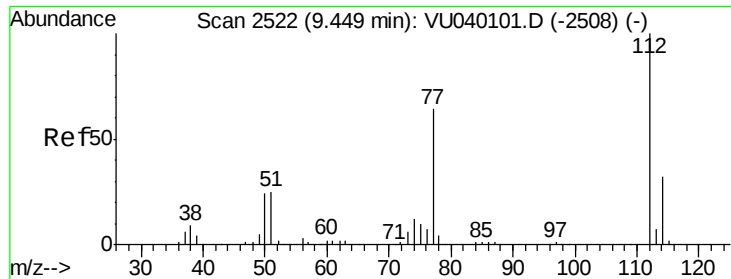
Tot Ion: 95 Resp: 11899
Ion Ratio Lower Upper
95 100
174 70.7 49.4 74.0
176 65.9 50.1 75.1



#58
Tetrachloroethene
Concen: 10.060 ug/l
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 164 Resp: 57419
Ion Ratio Lower Upper
164 100
166 129.2 101.3 151.9
129 111.7 84.8 127.2
131 101.6 81.8 122.6

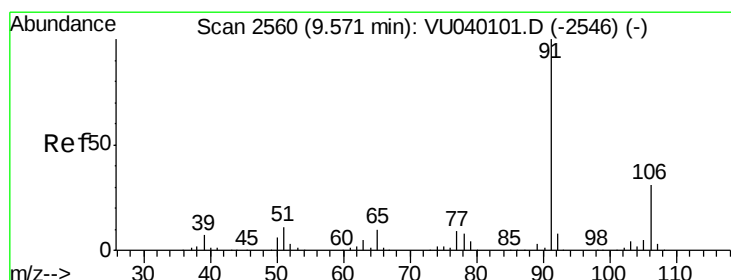
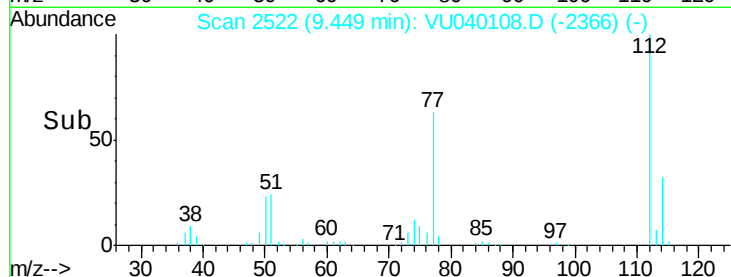
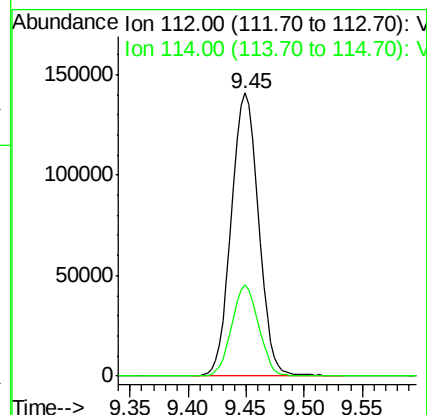
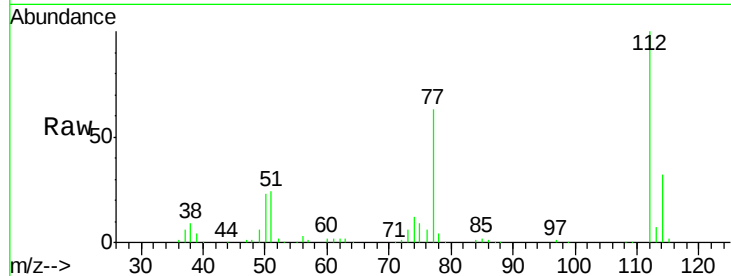




#59
Chlorobenzene
Concen: 10.277 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

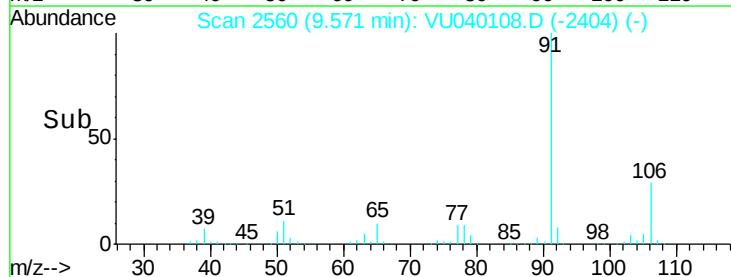
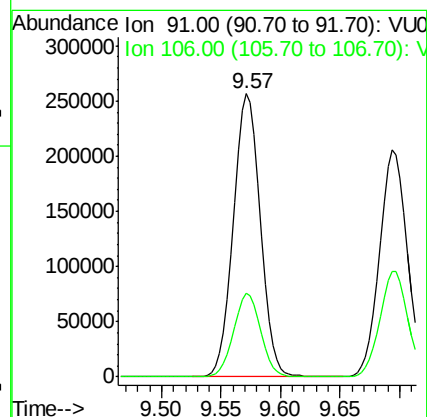
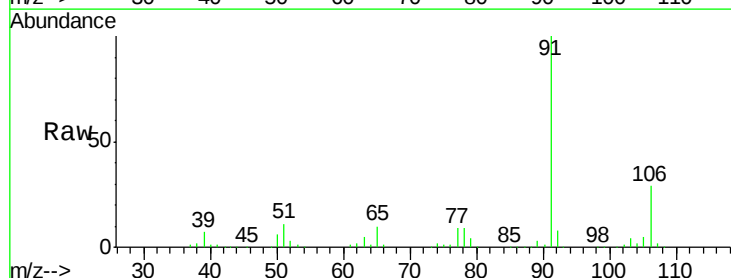
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

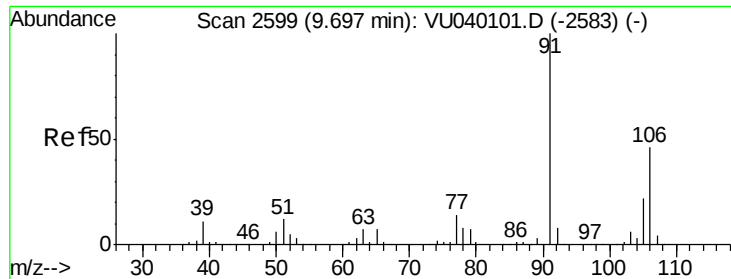
Tot Ion:112 Resp: 229080
Ion Ratio Lower Upper
112 100
114 32.1 24.8 37.2



#63
Ethyl Benzene
Concen: 10.922 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 91 Resp: 404275
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8





#64

m/p-Xylenes

Concen: 22.153 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

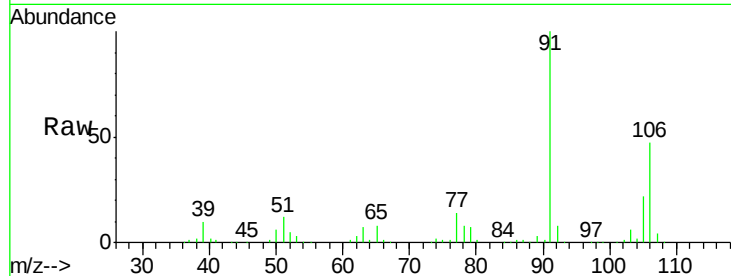
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 155748

Ion Ratio Lower Upper

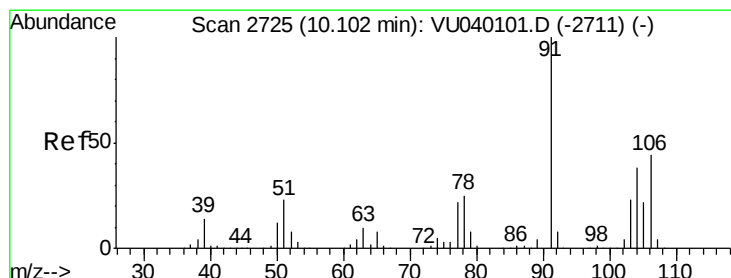
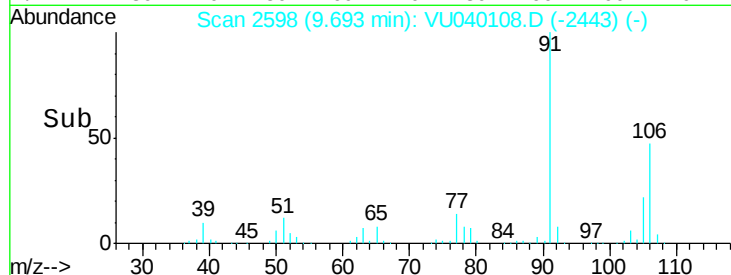
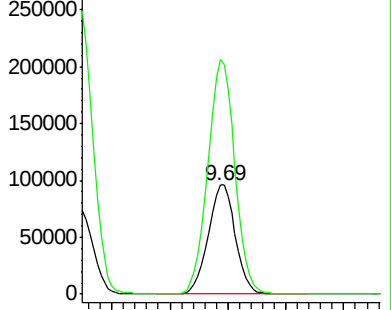
106 100

91 213.9 171.4 257.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 11.209 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040108.D

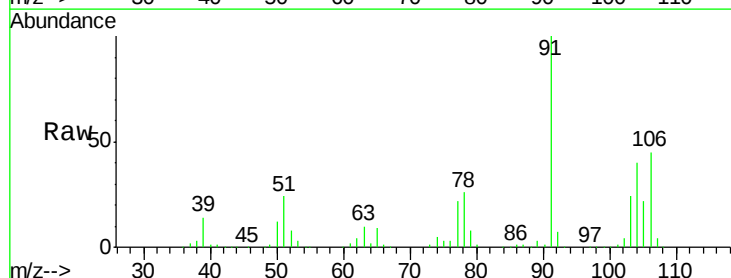
Acq: 11 Sep 2020 17:23

Tgt Ion:106 Resp: 151203

Ion Ratio Lower Upper

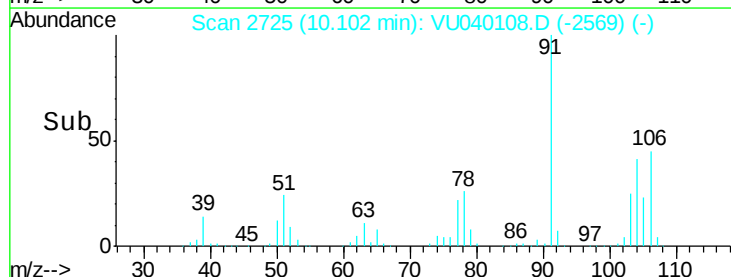
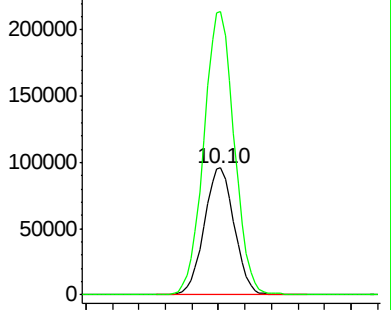
106 100

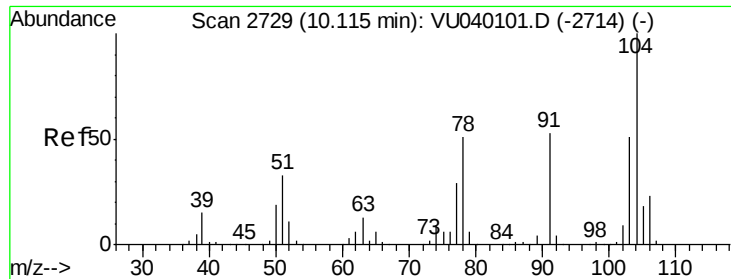
91 224.9 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

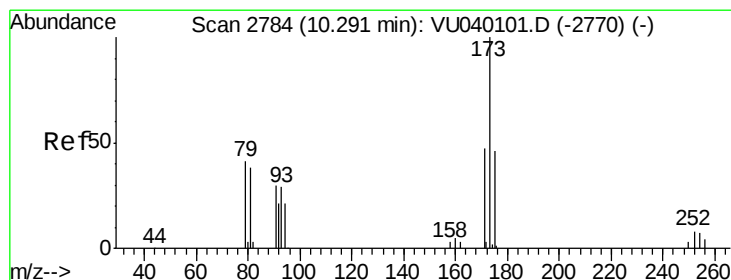
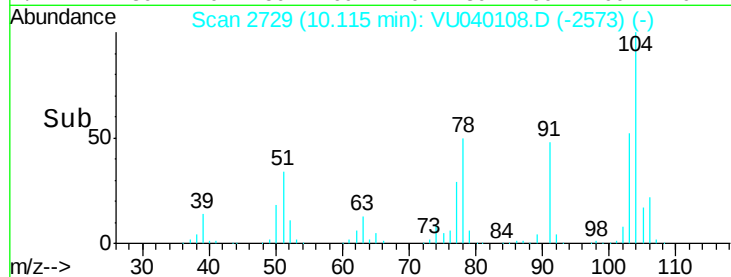
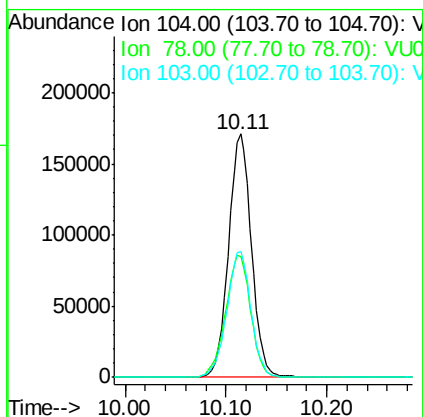
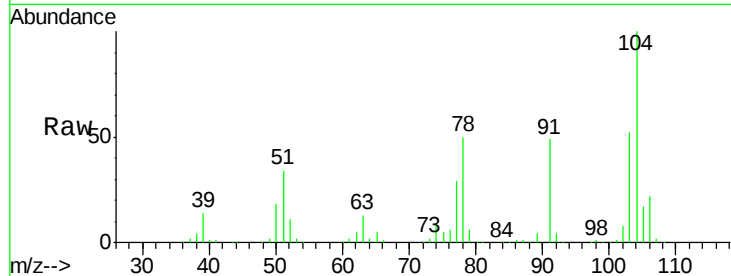




#66
Stvrene
Concen: 11.266 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

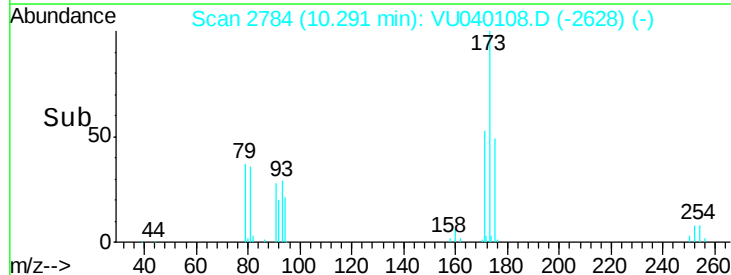
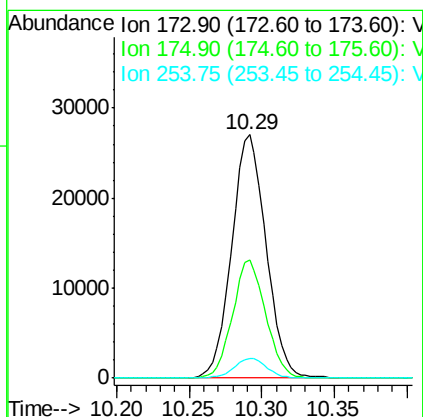
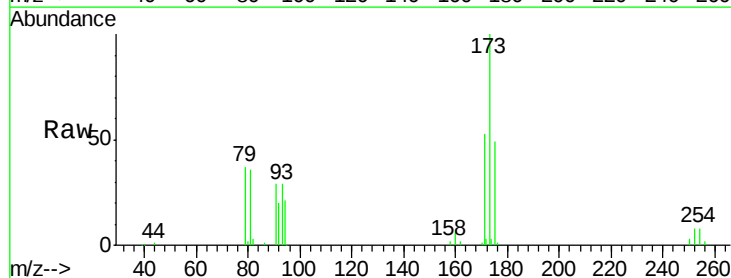
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

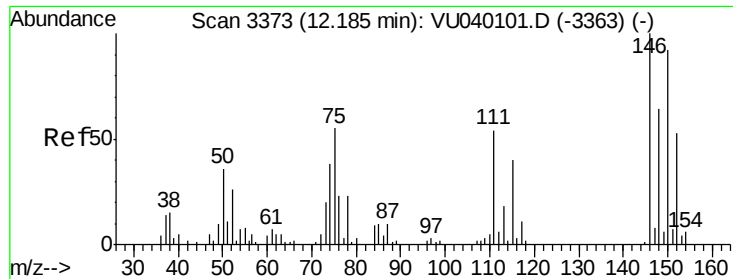
Tot Ion:104 Resp: 271257
Ion Ratio Lower Upper
104 100
78 55.0 43.9 65.9
103 54.6 43.7 65.5



#67
Bromoform
Concen: 10.009 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion:173 Resp: 44544
Ion Ratio Lower Upper
173 100
175 46.6 38.0 57.0
254 7.5 5.8 8.8





#68

1,2-Dichlorobenzene-d4

Concen: 0.989 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

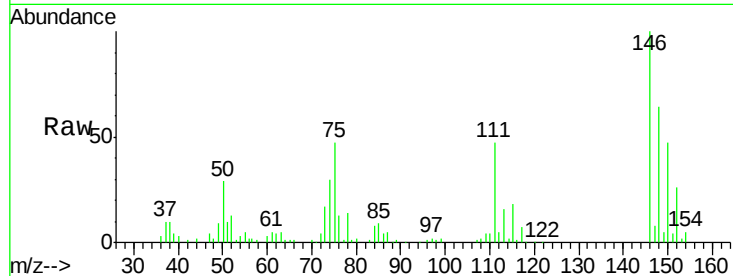
Tot Ion:152 Resp: 11050

Ion Ratio Lower Upper

152 100

115 71.3 0.0 309.0

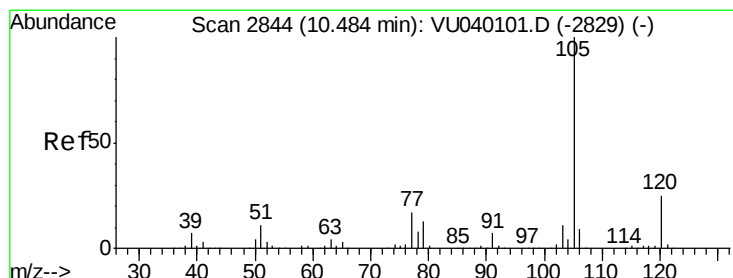
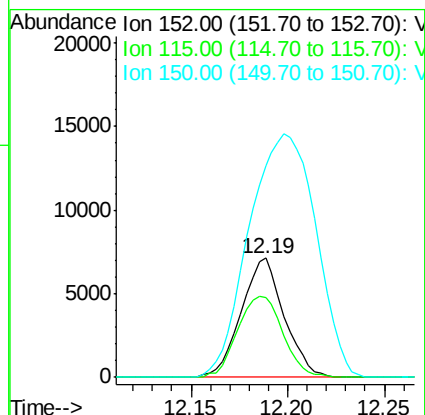
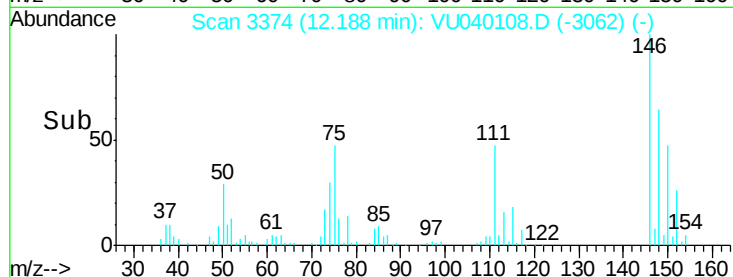
150 317.5 0.0 658.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 10.968 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040108.D

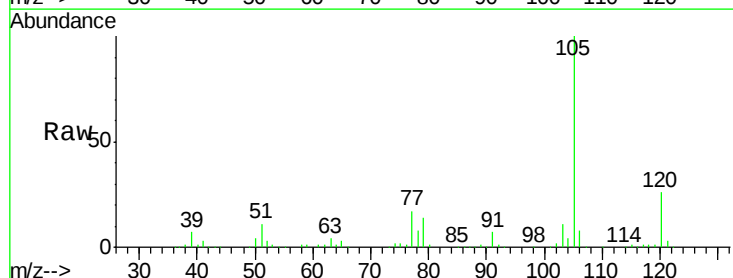
Acq: 11 Sep 2020 17:23

Tgt Ion:105 Resp: 409891

Ion Ratio Lower Upper

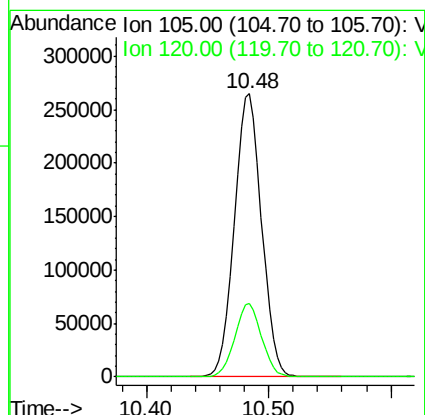
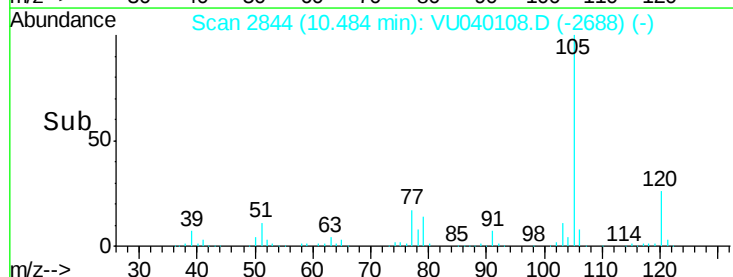
105 100

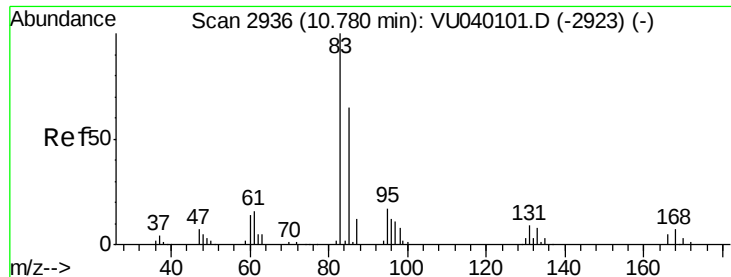
120 25.4 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 9.627 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

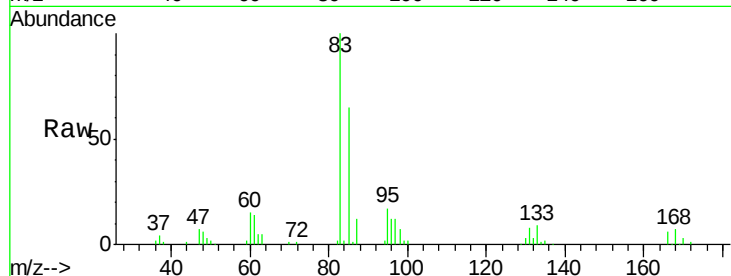
Tot Ion: 83 Resp: 92133

Ion Ratio Lower Upper

83 100

131 8.7 7.5 11.3

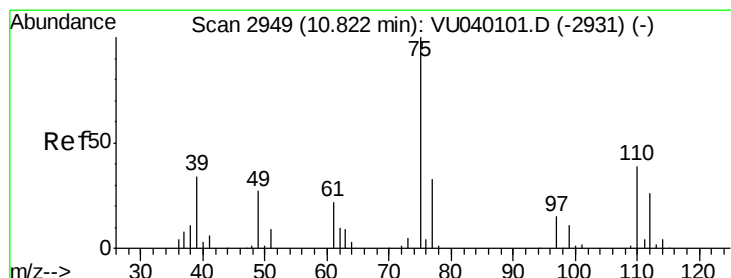
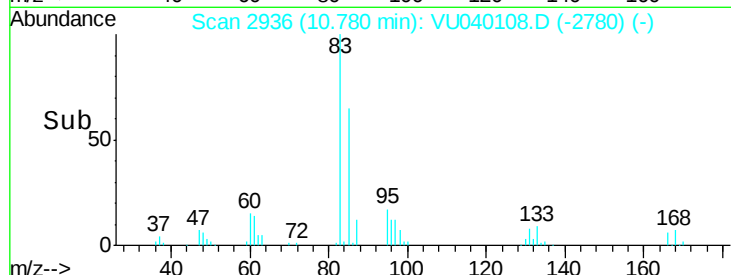
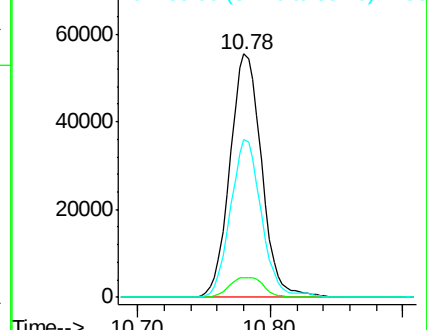
85 63.5 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VU040108.D (-2780) (-)

Ion 131.00 (130.70 to 131.70): VU040108.D (-2780) (-)

Ion 85.00 (84.70 to 85.70): VU040108.D (-2780) (-)



#71

1,2,3-Trichloropropane

Concen: 9.669 ug/l

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Tgt Ion: 75 Resp: 70731

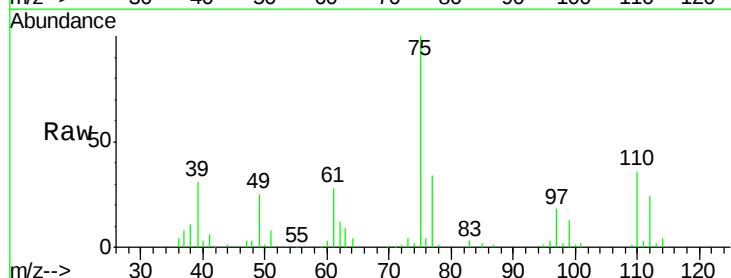
Ion Ratio Lower Upper

75 100

77 32.6 0.0 111.4

110 37.1 0.0 70.8

97 18.4 0.0 36.0

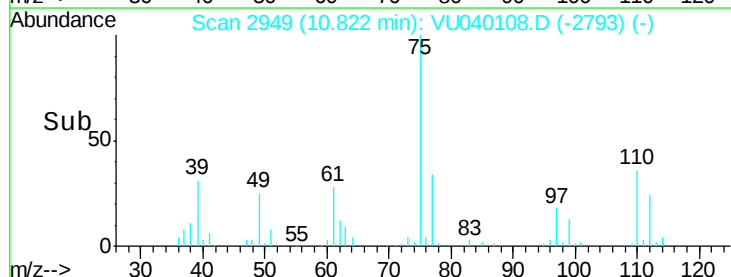
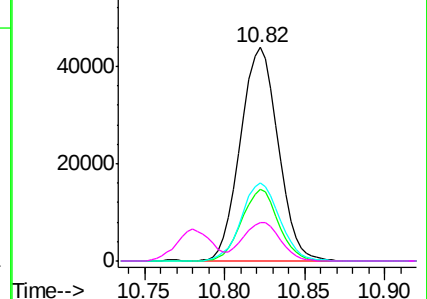


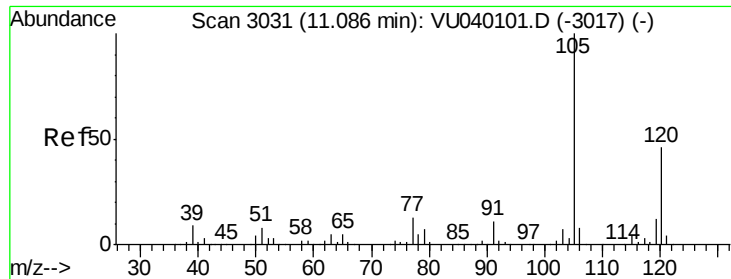
Abundance Ion 75.00 (74.70 to 75.70): VU040108.D (-2793) (-)

Ion 77.00 (76.70 to 77.70): VU040108.D (-2793) (-)

Ion 110.00 (109.70 to 110.70): VU040108.D (-2793) (-)

Ion 97.00 (96.70 to 97.70): VU040108.D (-2793) (-)





#75

1,3,5-Trimethylbenzene

Concen: 11.413 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

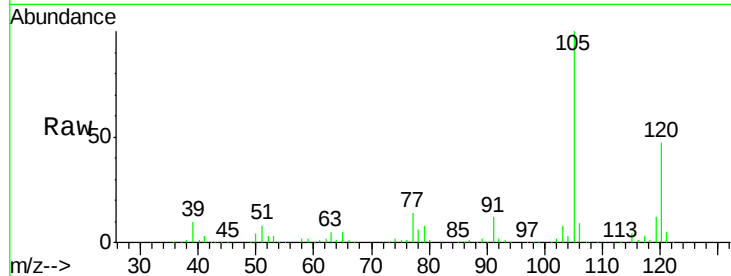
VSTDCCC010EC

Tot Ion:105 Resp: 371704

Ion Ratio Lower Upper

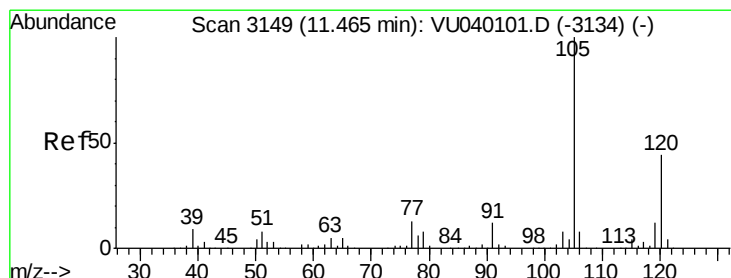
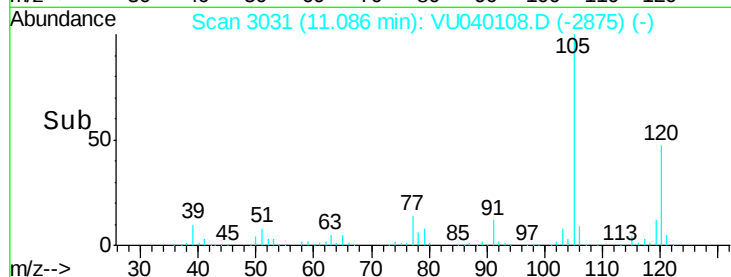
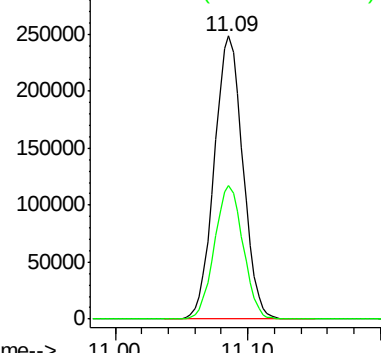
105 100

120 47.1 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

1,2,4-Trimethylbenzene

Concen: 11.535 ug/l

RT: 11.46 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040108.D

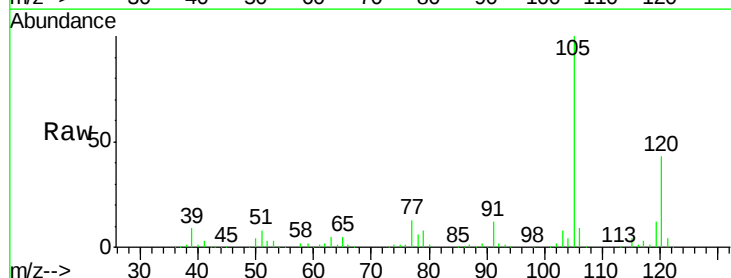
Acq: 11 Sep 2020 17:23

Tgt Ion:105 Resp: 373702

Ion Ratio Lower Upper

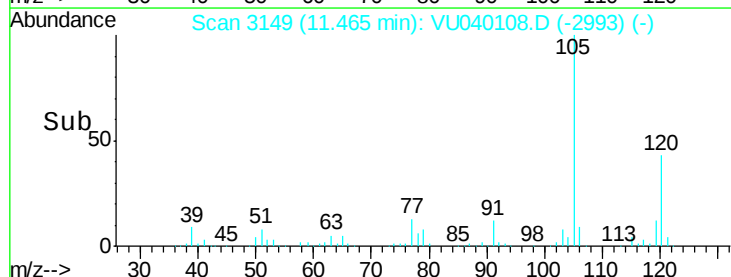
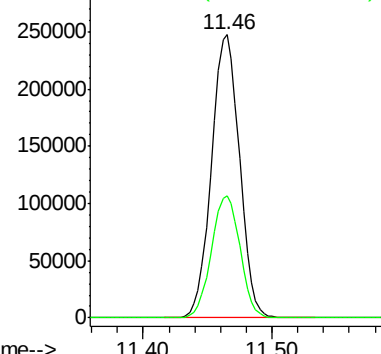
105 100

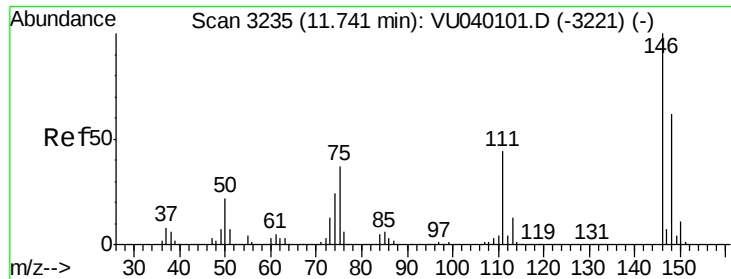
120 43.8 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

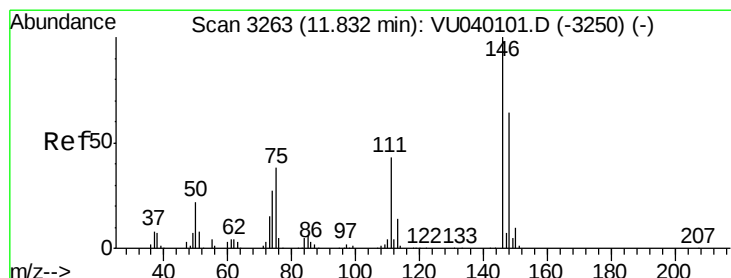
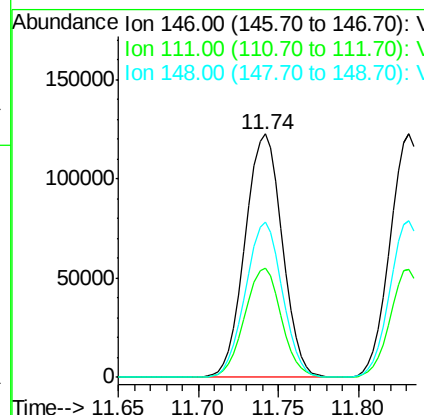
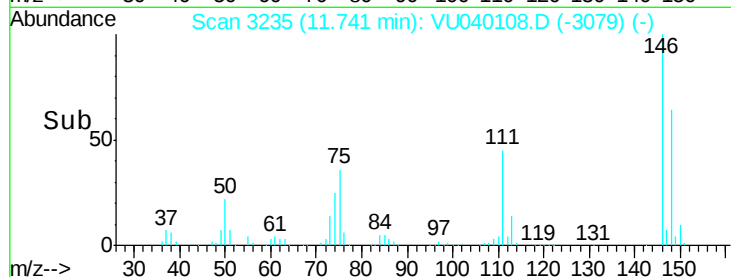
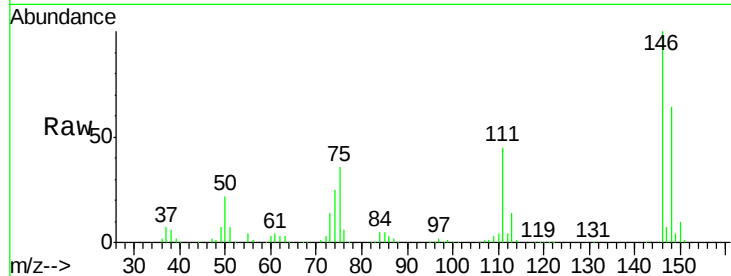




#82
 1,3-Dichlorobenzene
 Concen: 10.307 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

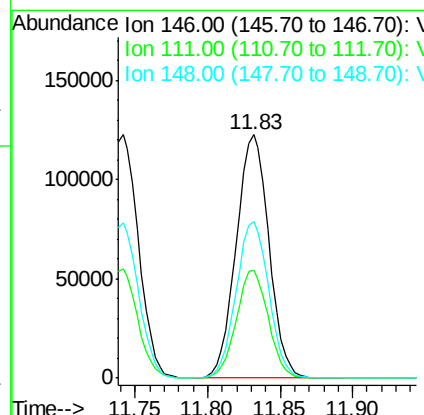
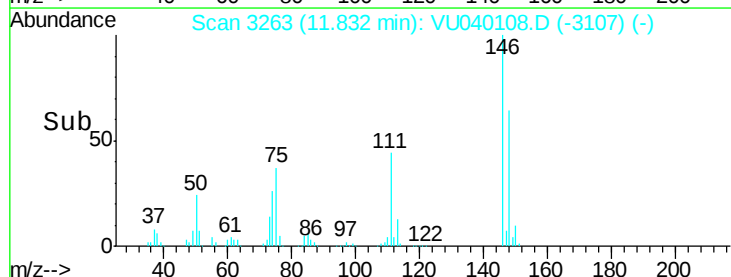
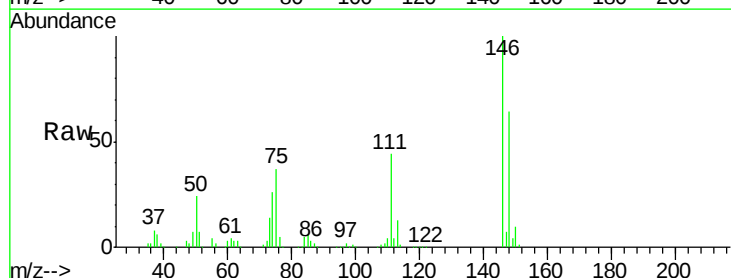
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

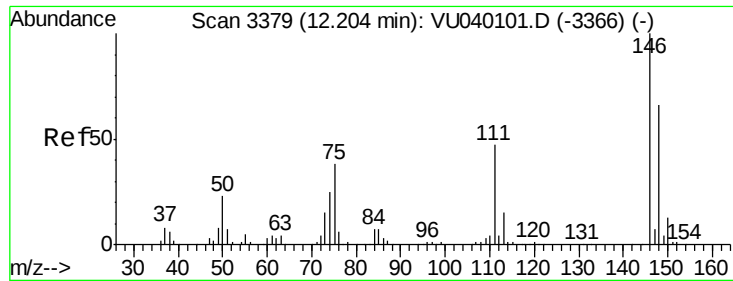
Tot Ion:146 Resp: 194141
 Ion Ratio Lower Upper
 146 100
 111 44.3 35.4 53.0
 148 63.1 49.7 74.5



#83
 1,4-Dichlorobenzene
 Concen: 10.452 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion:146 Resp: 192484
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.2 51.2
 148 64.0 50.2 75.2





#85

1,2-Dichlorobenzene

Concen: 10.383 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

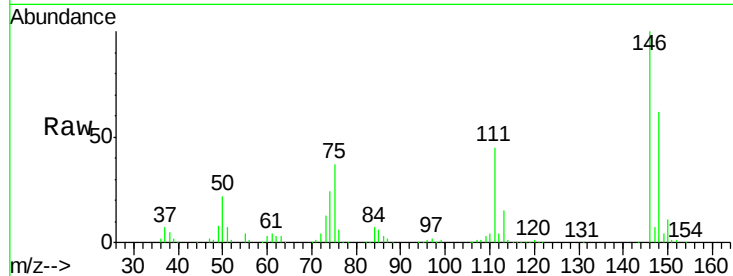
Tot Ion:146 Resp: 182265

Ion Ratio Lower Upper

146 100

111 45.8 22.9 68.7

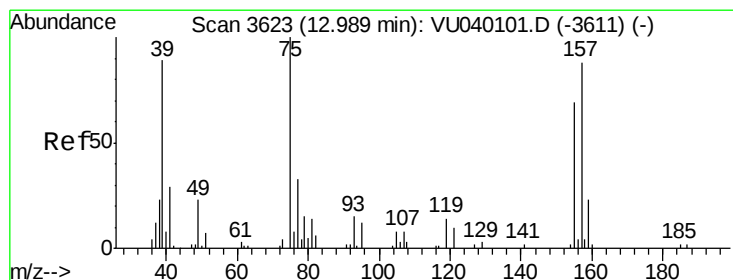
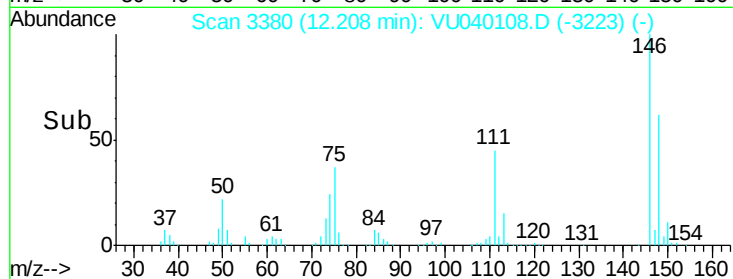
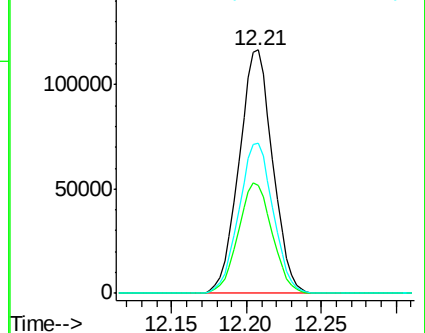
148 63.0 31.1 93.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.114 ug/l

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

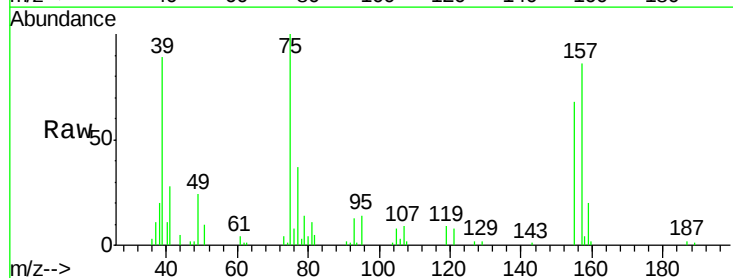
Tgt Ion: 75 Resp: 16473

Ion Ratio Lower Upper

75 100

155 68.4 53.4 80.0

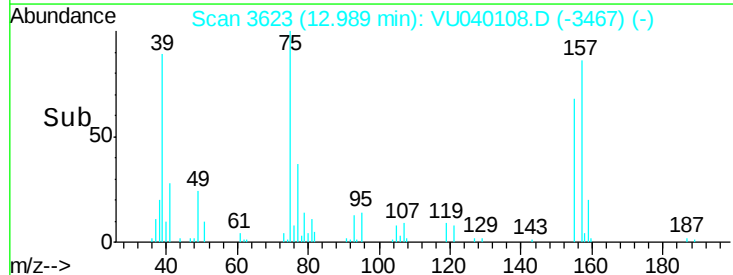
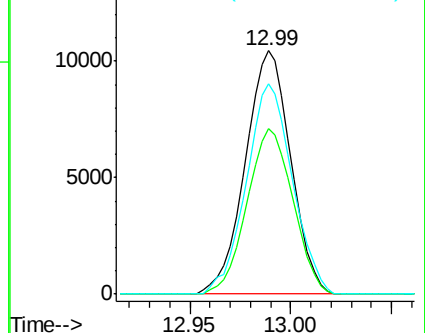
157 87.4 65.8 98.8

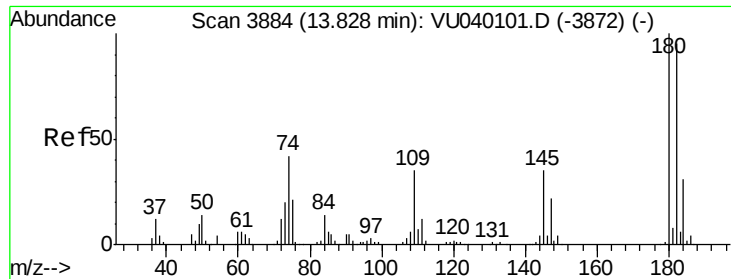


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

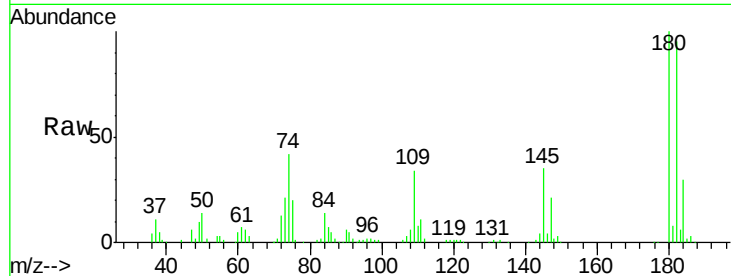




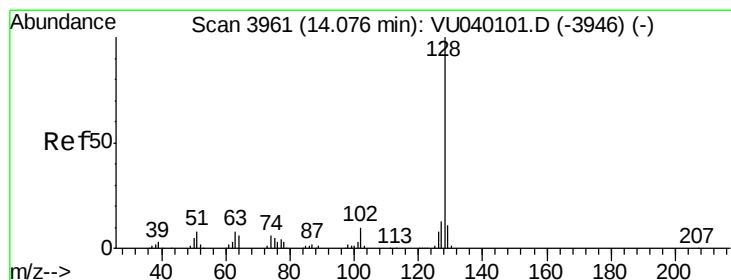
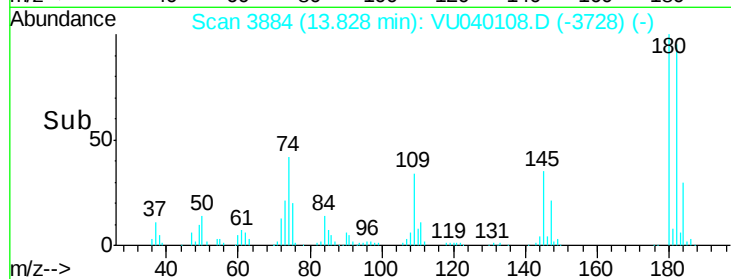
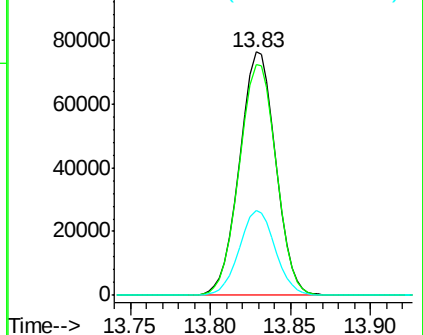
#87
 1,2,4-Trichlorobenzene
 Concen: 11.622 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 117241
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.0 112.4
 145 34.7 27.7 41.5

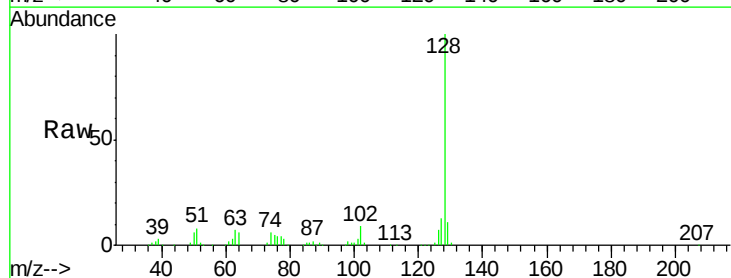


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

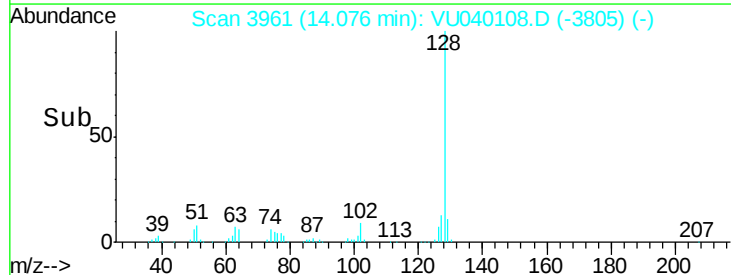
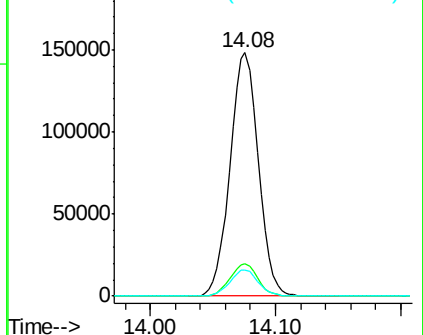


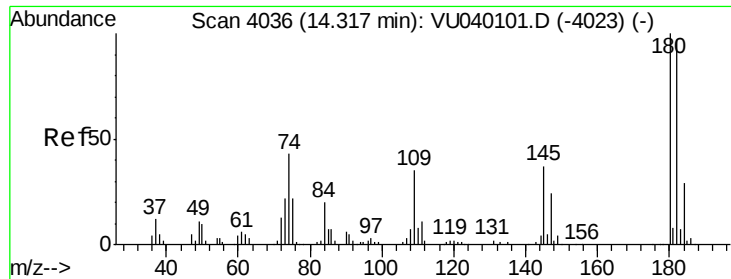
#89
 Naphthalene
 Concen: 12.493 ug/l
 RT: 14.08 min Scan# 3961
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion:128 Resp: 232681
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 10.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#90
 1,2,3-Trichlorobenzene
 Concen: 11.481 ug/l
 RT: 14.32 min Scan# 4036
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.0	114.0
145	36.0	30.6	45.8

