

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092220\
 Data File : VU040252.D
 Acq On : 22 Sep 2020 17:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Sep 23 08:27:32 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	6.12	96	37935	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	15781	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	16063	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	168686	10.053	ug/l 97
3) Chloromethane	1.53	50	162764	12.123	ug/l 98
4) Vinyl Chloride	1.61	62	158677	10.467	ug/l 98
5) Bromomethane	1.86	94	84085	17.696	ug/l 98
6) Chloroethane	1.94	64	92276	10.626	ug/l 99
7) Trichlorofluoromethane	2.15	101	213848	9.998	ug/l 97
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	90383	9.458	ug/l 97
9) 1,1-Dichloroethene	2.59	96	67512	9.227	ug/l 99
13) Acetone	2.64	43	265000	47.792	ug/l 97
14) Carbon Disulfide	2.80	76	110190	8.610	ug/l 100
15) Methylene Chloride	3.06	84	137123	11.152	ug/l 98
16) trans-1,2-Dichloroethene	3.37	96	77476	9.851	ug/l 98
17) 1,1-Dichloroethane	3.89	63	190976	9.888	ug/l 98
18) 2-Butanone	4.74	43	404354	48.284	ug/l 100
19) Cyclohexane	5.39	56	125865	10.496	ug/l 98
20) Methylcyclohexane	6.77	83	128889	10.609	ug/l 97
22) cis-1,2-Dichloroethene	4.68	96	101624	10.251	ug/l 85
25) Methyl tert-Butyl Ether	3.38	73	264693	9.988	ug/l 99
26) Bromochloromethane	4.99	128	45521	9.447	ug/l 97
27) Chloroform	5.11	83	199900	9.462	ug/l 100
28) 1,1,1-Trichloroethane	5.33	97	172319	9.708	ug/l 99
30) Carbon Tetrachloride	5.53	117	152184	10.437	ug/l 99
35) Benzene	5.79	78	400524	10.569	ug/l 99
36) 1,2-Dichloroethane	5.81	62	150167	9.860	ug/l 100
37) Trichloroethene	6.55	130	104143	10.698	ug/l 99
38) 1,2-Dichloropropane	6.80	63	123121	10.497	ug/l 97
44) Bromodichloromethane	7.12	83	165944	10.353	ug/l 97
45) 4-Methyl-2-Pentanone	7.81	43	991097	51.849	ug/l 100
46) t-1,4-Dichloro-2-butene	10.82	75	87540	19.013	ug/l # 16
49) Toluene	7.97	92	267956	11.149	ug/l 99
50) t-1,3-Dichloropropene	8.22	75	153809	10.243	ug/l 97
51) cis-1,3-Dichloropropene	7.62	75	160638	10.397	ug/l 100
52) 1,1,2-Trichloroethane	8.41	97	92302	9.906	ug/l 98
54) 2-Hexanone	8.69	43	697445	51.615	ug/l 99
55) Dibromochloromethane	8.82	129	110211	10.228	ug/l 98
56) 1,2-Dibromoethane	8.93	107	85381	9.971	ug/l 97
58) Tetrachloroethene	8.56	164	82596	11.414	ug/l 96
59) Chlorobenzene	9.45	112	298558	10.564	ug/l 96
63) Ethyl Benzene	9.57	91	528674	11.265	ug/l 100
64) m/p-Xylenes	9.69	106	205700	23.077	ug/l 99
65) o-Xylene	10.10	106	199042	11.638	ug/l 96

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 QLast Update : Fri Sep 11 13:27:06 2020
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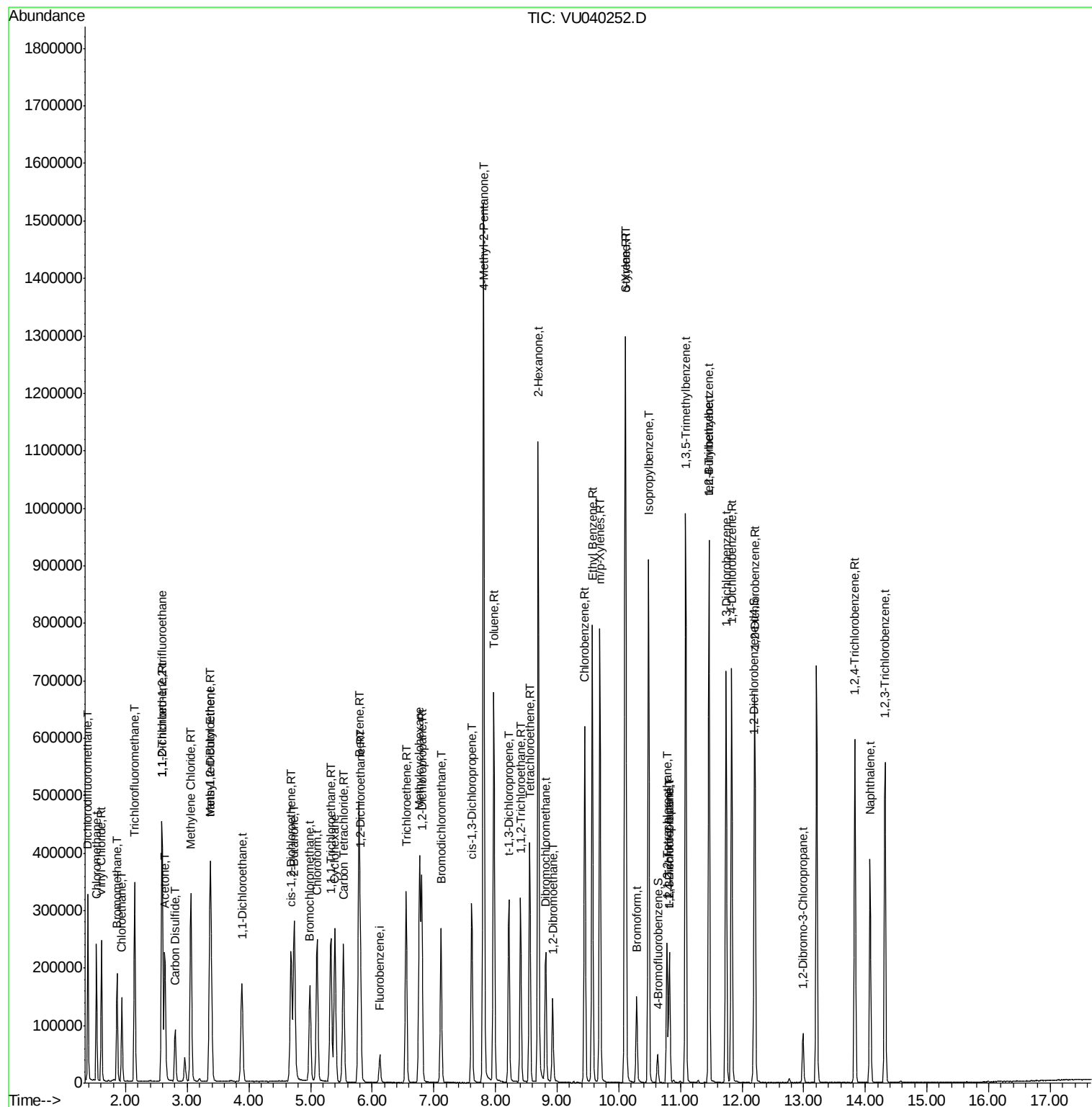
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Styrene	10.11	104	366515	12.006	ug/l	99
67) Bromoform	10.29	173	60500	10.722	ug/l #	99
69) Isopropylbenzene	10.48	105	543109	11.463	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	116156	9.573	ug/l	98
71) 1,2,3-Trichloropropane	10.82	75	87540	9.439	ug/l	82
75) 1,3,5-Trimethylbenzene	11.09	105	484085	11.724	ug/l	97
77) tert-Butylbenzene	11.46	119	60061	12.127	ug/l #	66
78) 1,2,4-Trimethylbenzene	11.46	105	482281	11.742	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	265490	11.117	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	268040	11.480	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	247938	11.141	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	20636	9.993	ug/l	91
87) 1,2,4-Trichlorobenzene	13.83	180	164247	12.842	ug/l	97
89) Naphthalene	14.08	128	291559	12.347	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	152491	12.546	ug/l	98

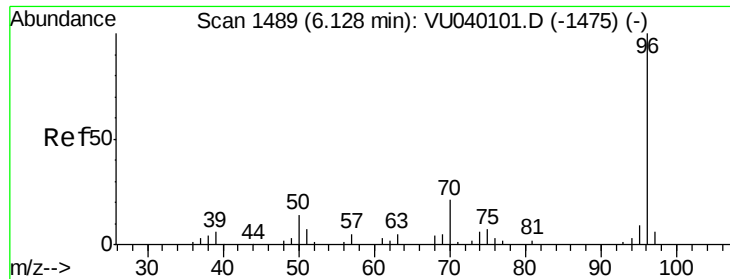
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 37935

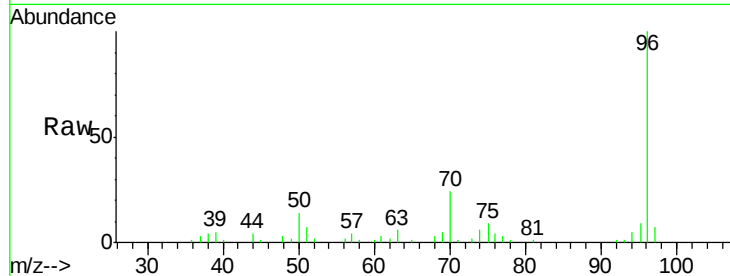
Ion Ratio Lower Upper

96 100

70 22.4 17.1 25.7

95 9.0 7.6 11.4

97 0.0 0.0 0.0

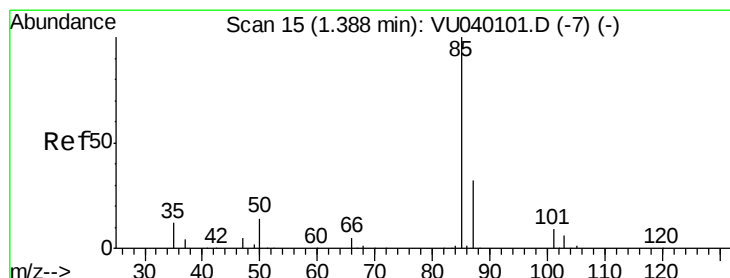
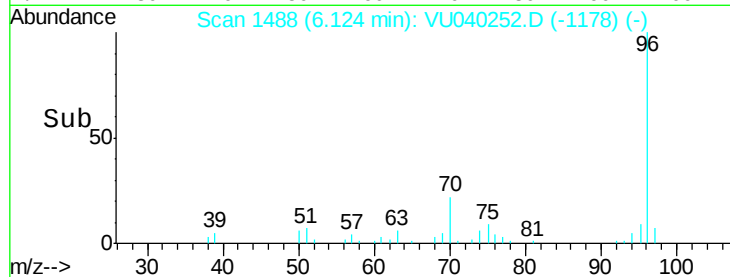
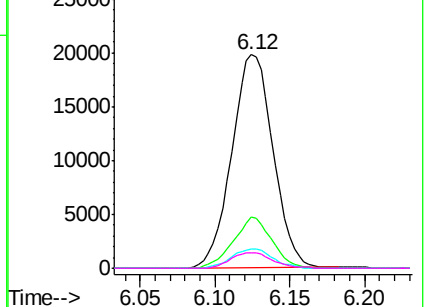


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 10.053 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040252.D

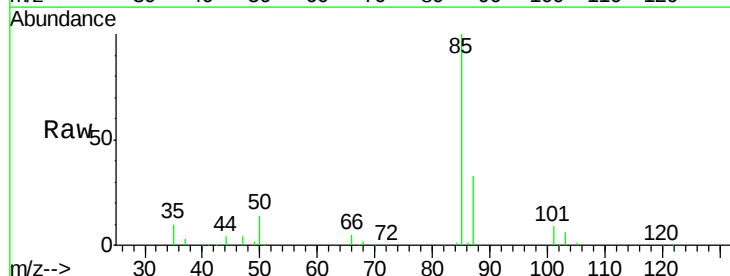
Acq: 22 Sep 2020 17:29

Tgt Ion: 85 Resp: 168686

Ion Ratio Lower Upper

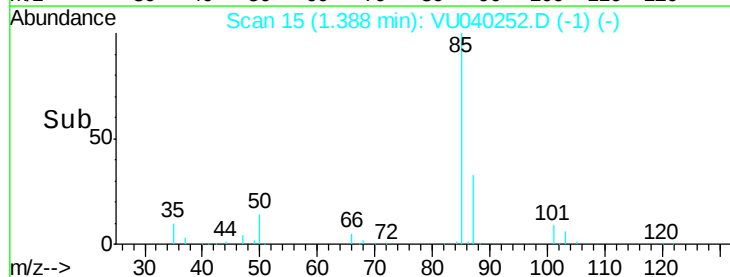
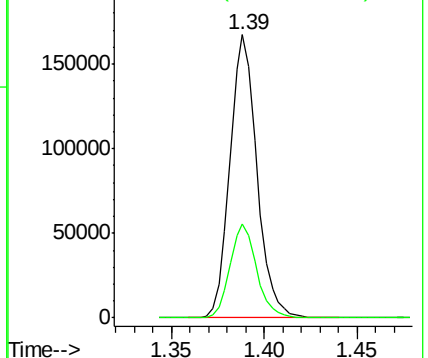
85 100

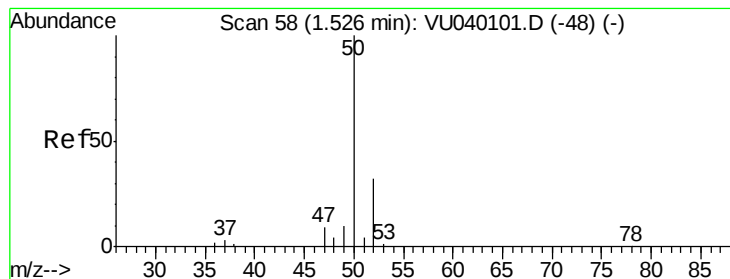
87 33.0 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 12.123 ug/l

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

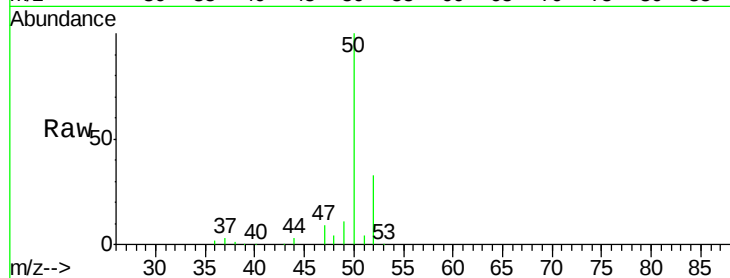
VSTDCCC010EC

Tot Ion: 50 Resp: 162764

Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

150000

100000

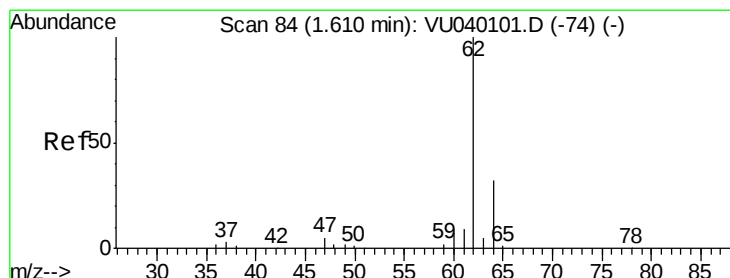
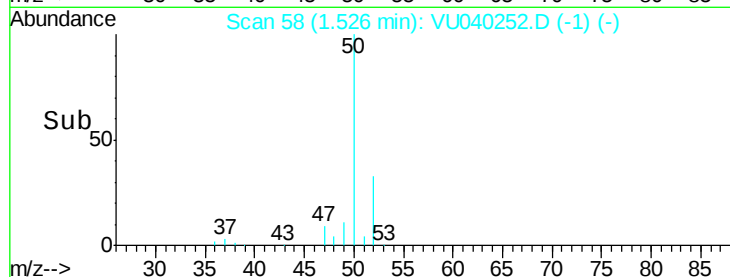
50000

0

1.53

1.50 1.55 1.60

Time-->



#4

Vinyl Chloride

Concen: 10.467 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040252.D

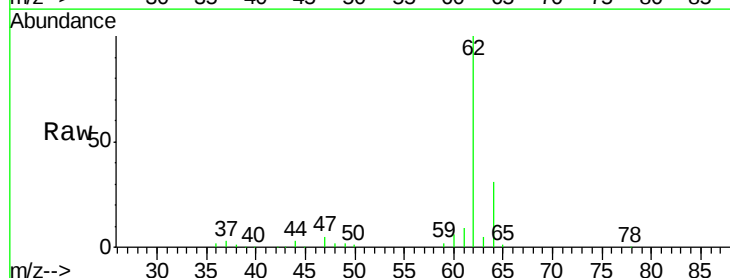
Acq: 22 Sep 2020 17:29

Tgt Ion: 62 Resp: 158677

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

100000

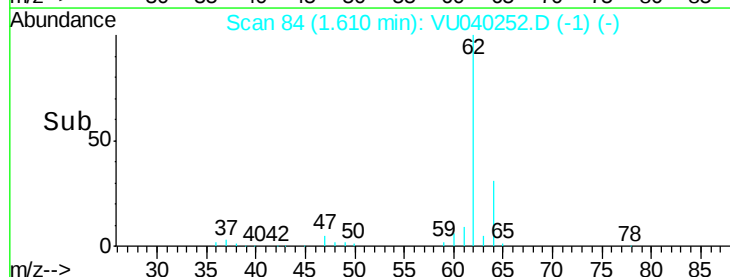
50000

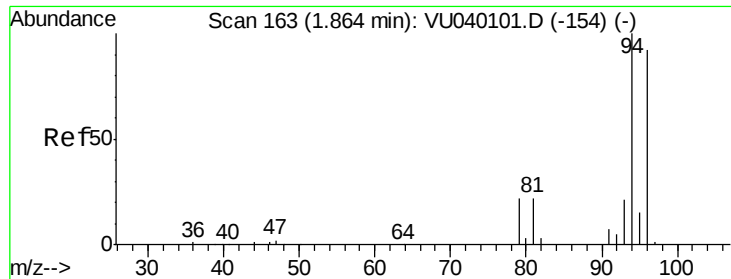
0

1.61

1.55 1.60 1.65

Time-->

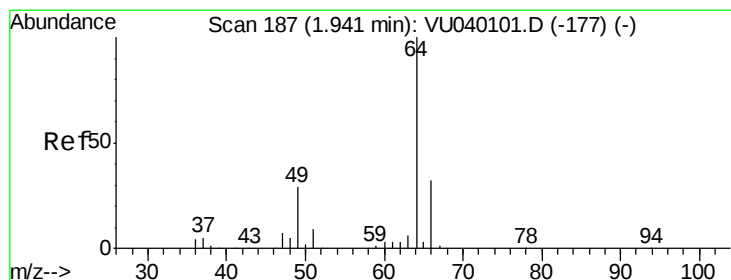
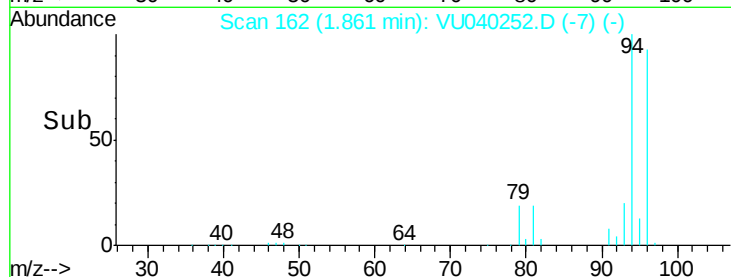
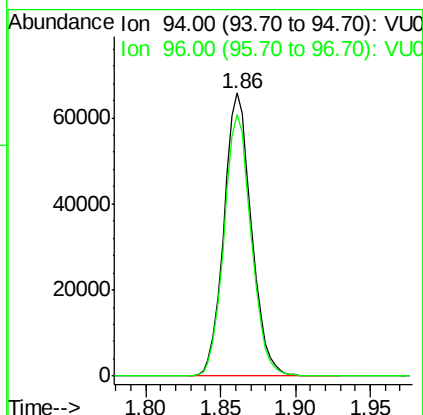
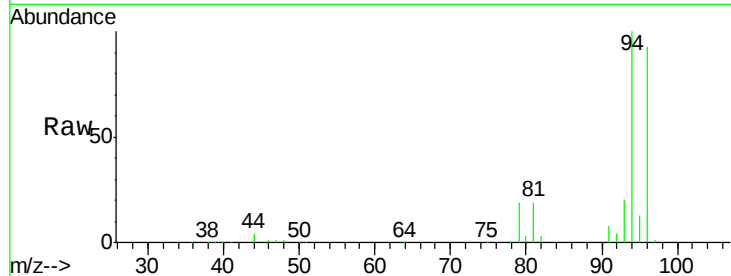




#5
Bromomethane
Concen: 17.696 ug/l
RT: 1.86 min Scan# 162
Delta R.T. -0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

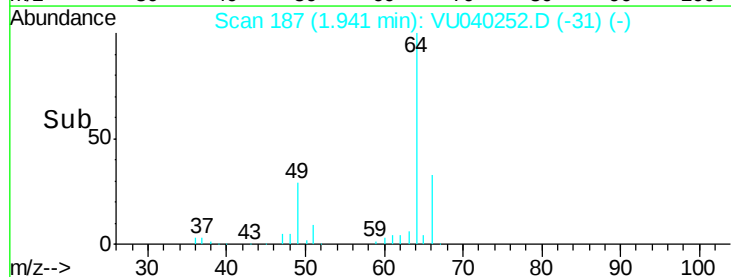
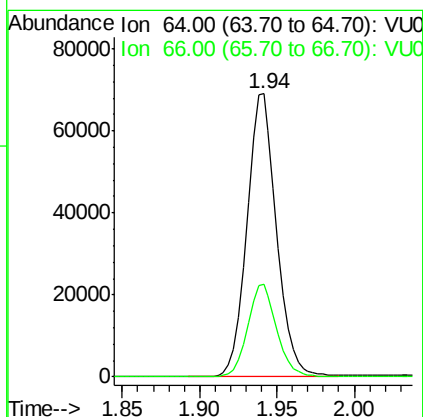
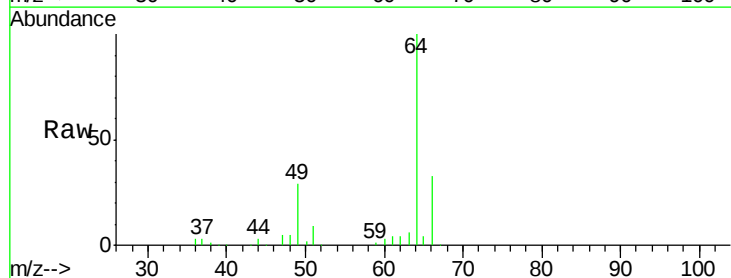
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

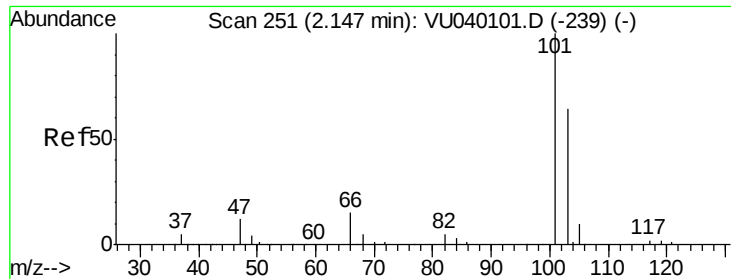
Tot Ion: 94 Resp: 84085
Ion Ratio Lower Upper
94 100
96 92.5 75.4 113.2



#6
Chloroethane
Concen: 10.626 ug/l
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

Tgt Ion: 64 Resp: 92276
Ion Ratio Lower Upper
64 100
66 32.7 26.7 40.1



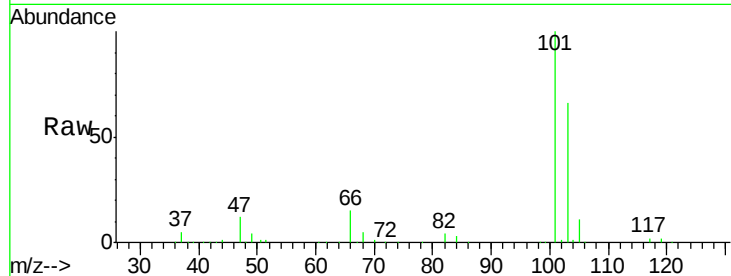


#7

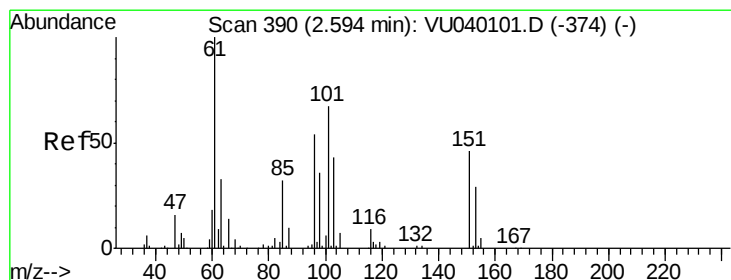
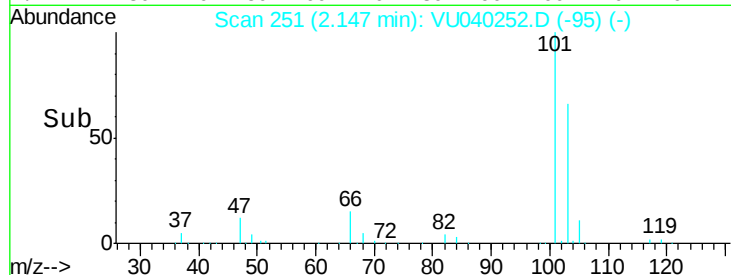
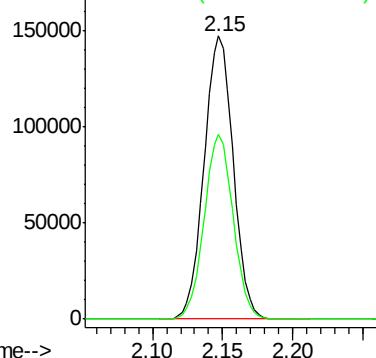
Trichlorofluoromethane
 Concen: 9.998 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 213848
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.8 76.2



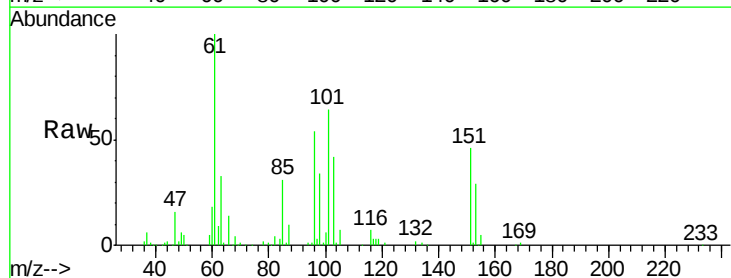
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



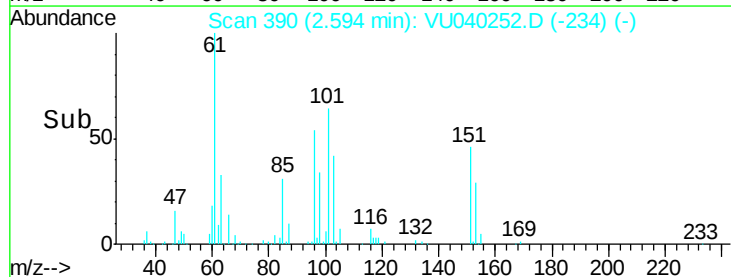
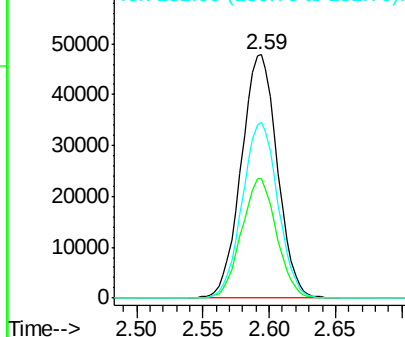
#8

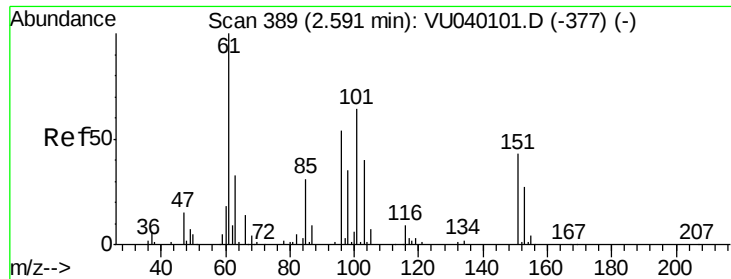
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.458 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Tgt Ion:101 Resp: 90383
 Ion Ratio Lower Upper
 101 100
 85 47.6 38.5 57.7
 151 71.3 54.6 81.8



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU
 Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.227 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

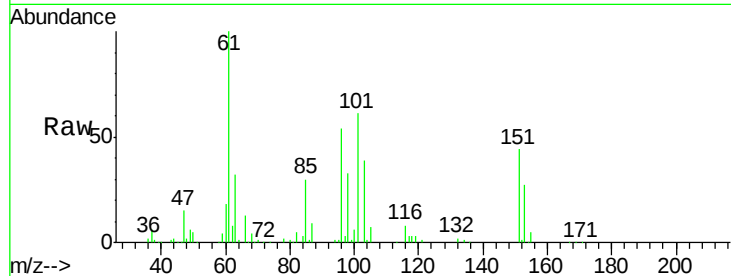
Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 96 Resp: 67512

Ion	Ratio	Lower	Upper
96	100		
61	186.8	0.0	557.1
98	62.3	0.0	125.6

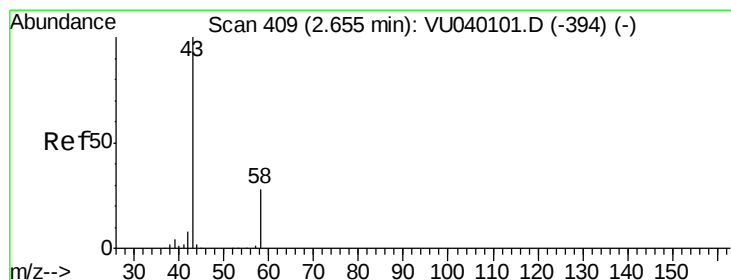
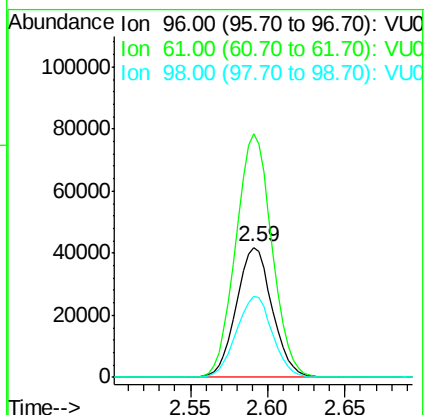
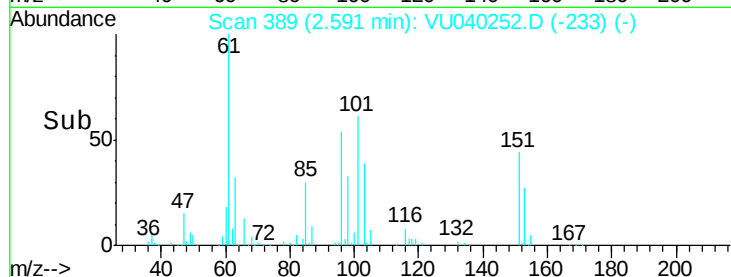


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#13

Acetone

Concen: 47.792 ug/l

RT: 2.64 min Scan# 403

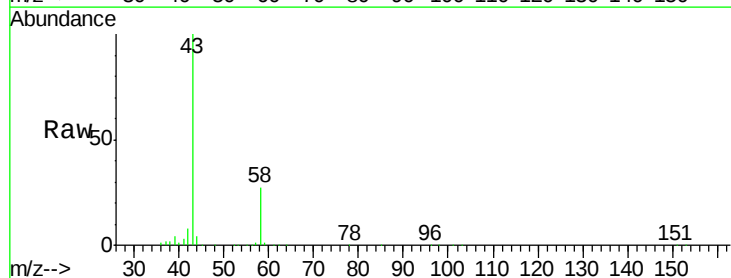
Delta R.T. -0.02 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Tgt Ion: 43 Resp: 265000

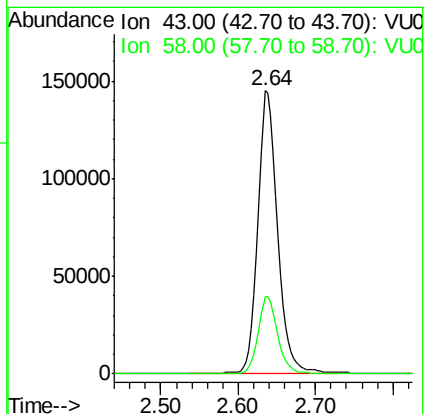
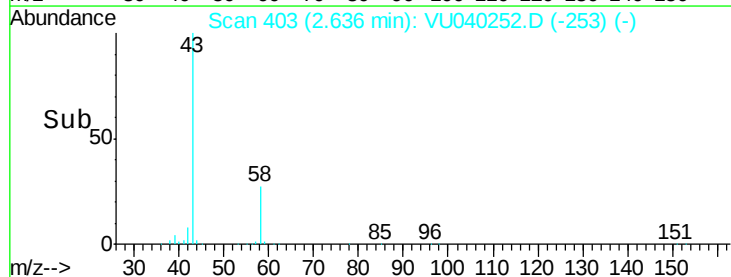
Ion	Ratio	Lower	Upper
43	100		
58	27.3	20.6	31.0

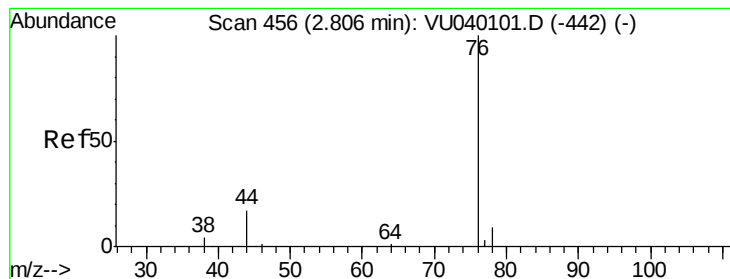


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon Disulfide

Concen: 8.610 ug/l

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

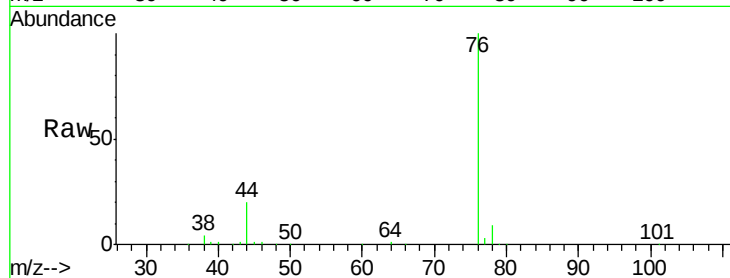
VSTDCCC010EC

Tot Ion: 76 Resp: 110190

Ion Ratio Lower Upper

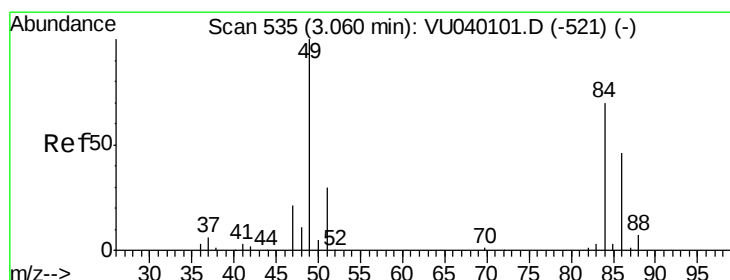
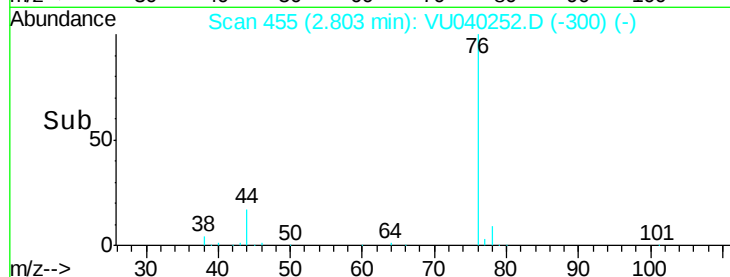
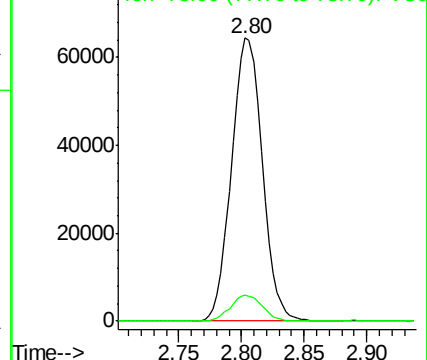
76 100

78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methylene Chloride

Concen: 11.152 ug/l

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Tgt Ion: 84 Resp: 137123

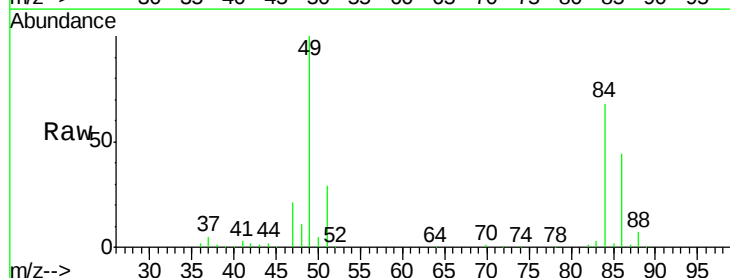
Ion Ratio Lower Upper

84 100

49 147.2 114.3 171.5

51 43.0 0.0 84.6

86 64.2 50.6 76.0

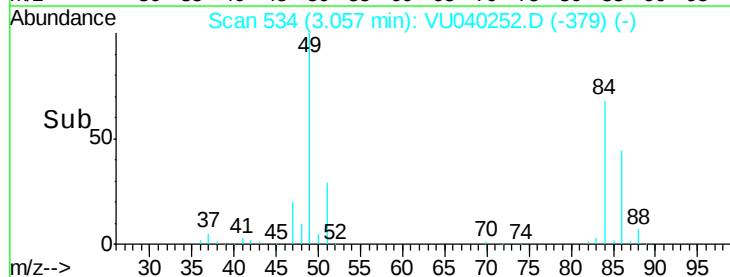
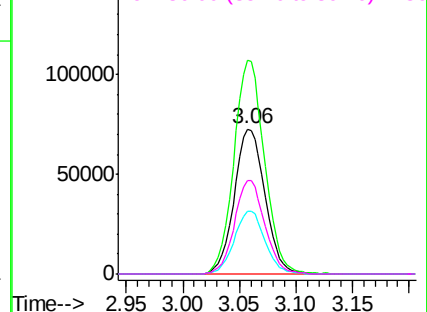


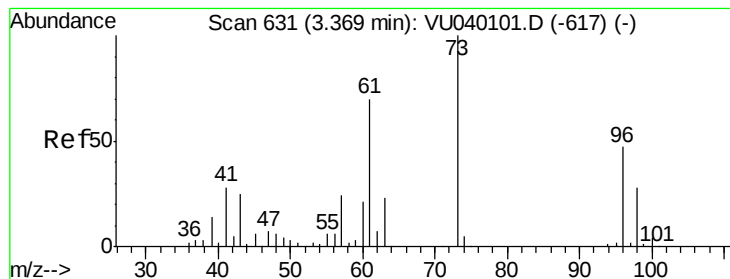
Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0





#16

trans-1,2-Dichloroethene

Concen: 9.851 ug/l

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

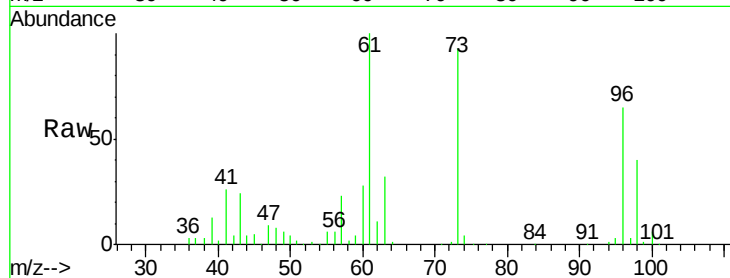
Tot Ion: 96 Resp: 77476

Ion Ratio Lower Upper

96 100

61 154.1 121.4 182.0

98 62.1 51.9 77.9

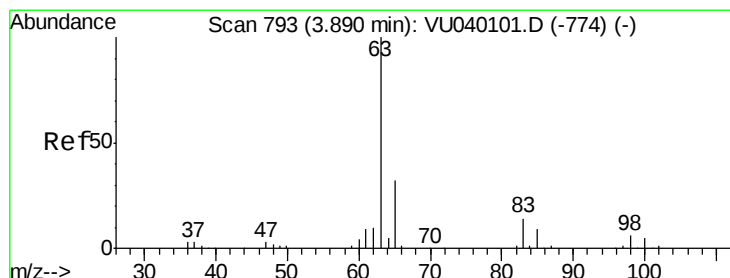
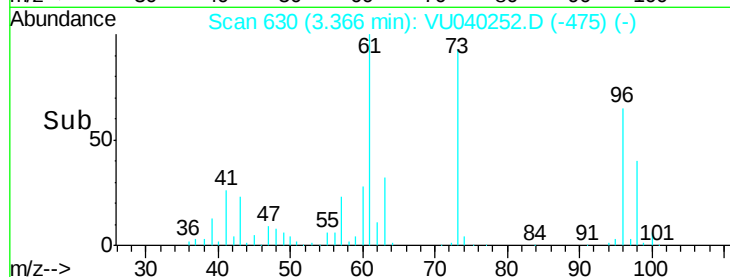
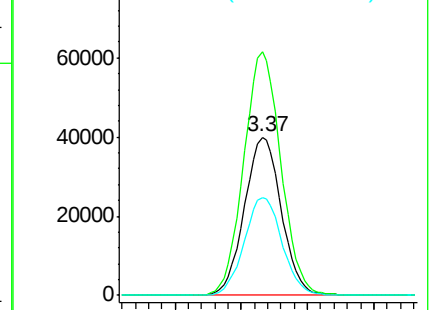


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#17

1,1-Dichloroethane

Concen: 9.888 ug/l

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

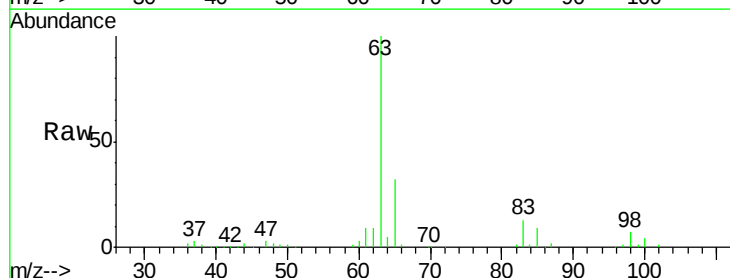
Tgt Ion: 63 Resp: 190976

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 4.3 2.0 5.8

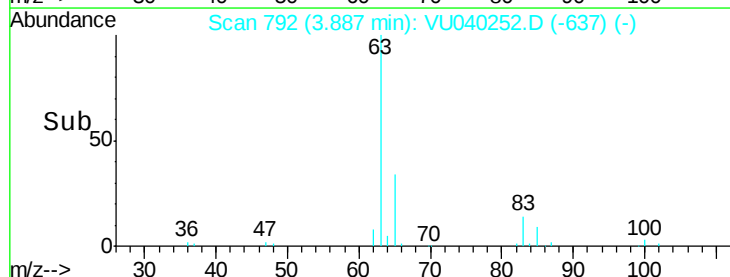
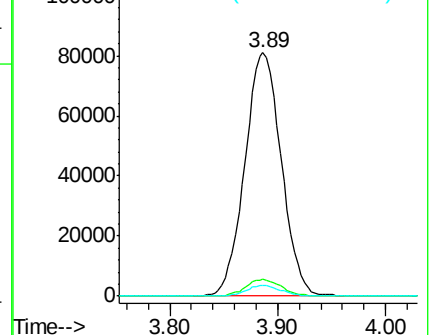


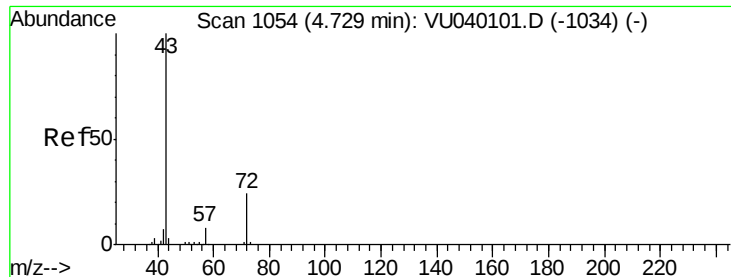
Abundance

Ion 63.00 (62.70 to 63.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

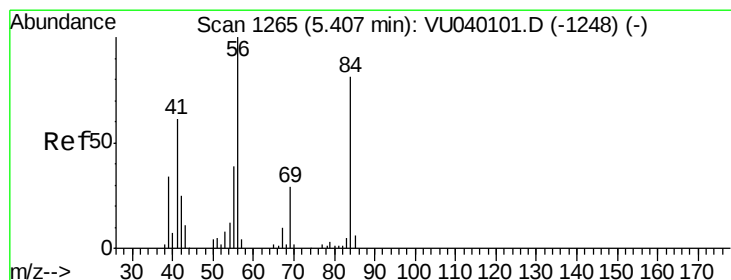
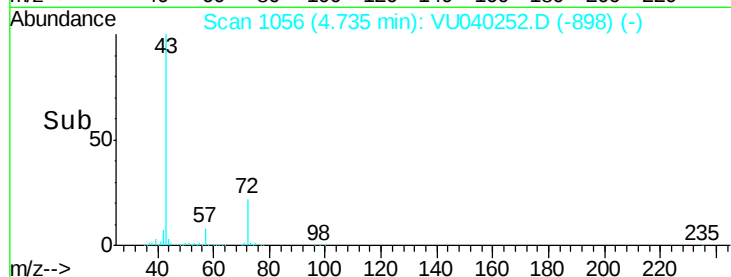
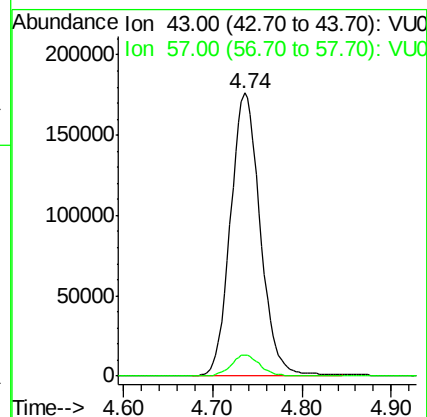
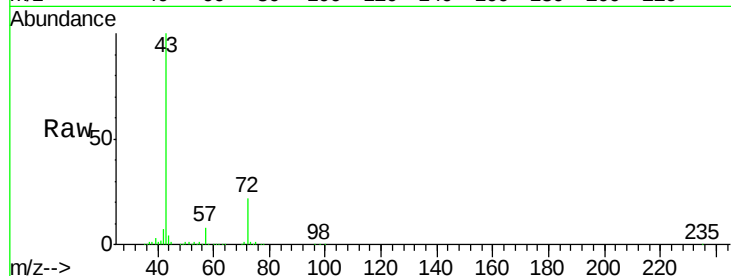




#18
2-Butanone
Concen: 48.284 ug/l
RT: 4.74 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

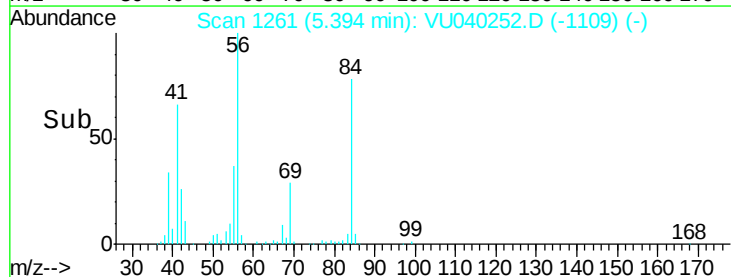
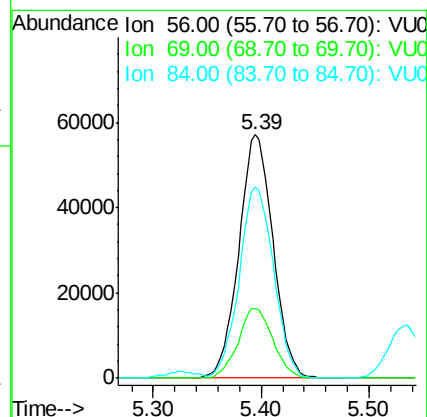
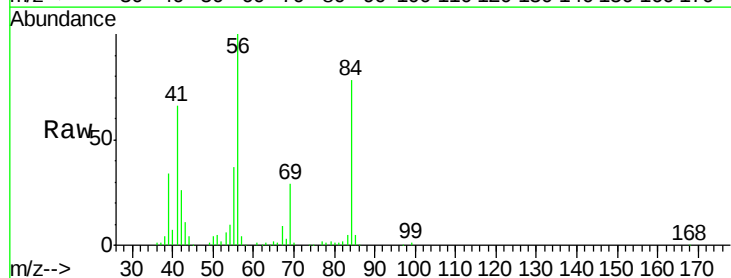
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

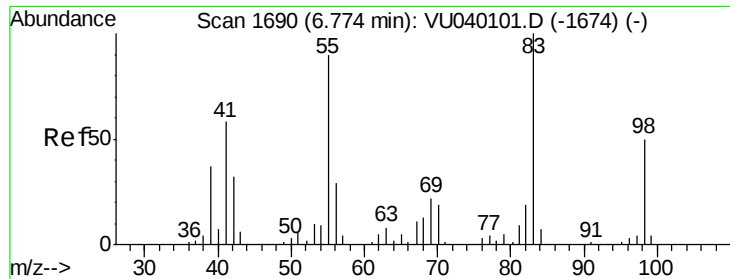
Tot Ion: 43 Resp: 404354
Ion Ratio Lower Upper
43 100
57 7.6 0.0 15.2



#19
Cyclohexane
Concen: 10.496 ug/l
RT: 5.39 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

Tgt Ion: 56 Resp: 125865
Ion Ratio Lower Upper
56 100
69 28.9 23.5 35.3
84 77.9 63.8 95.6

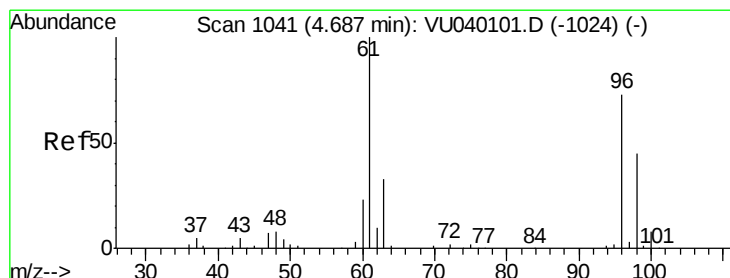
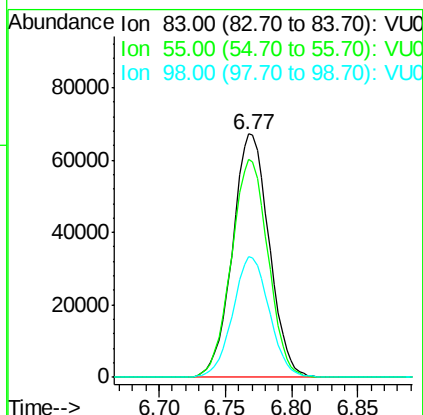
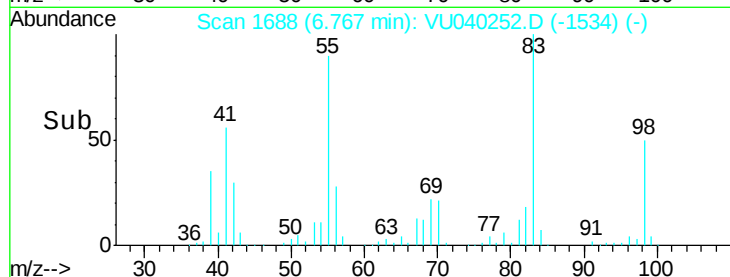
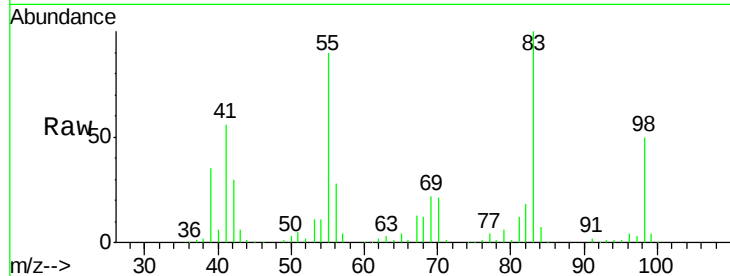




#20
Methylcyclohexane
Concen: 10.609 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

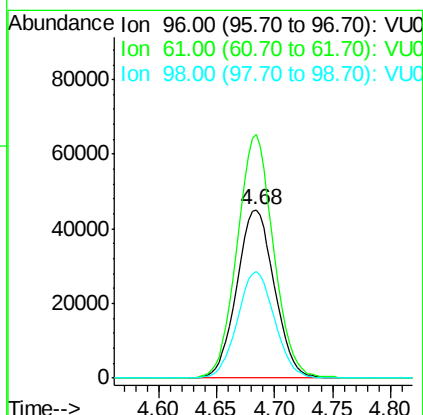
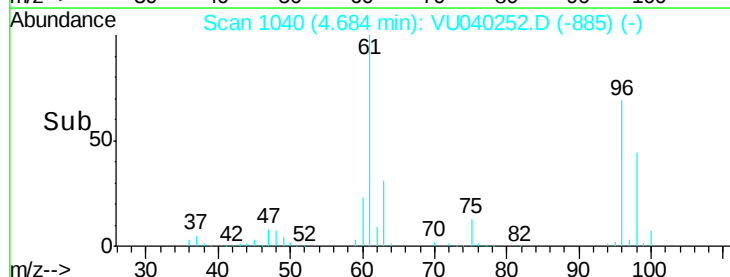
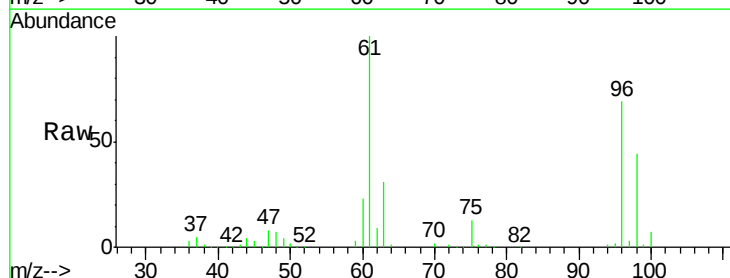
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

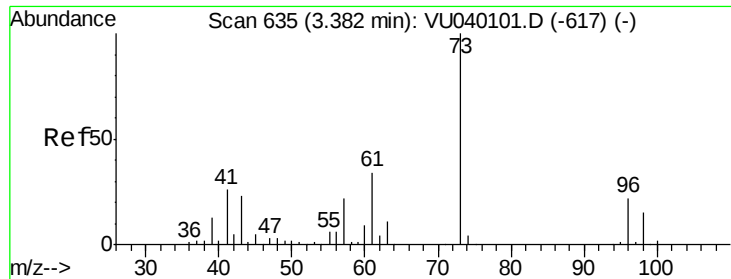
Tot Ion: 83 Resp: 128889
Ion Ratio Lower Upper
83 100
55 89.5 69.4 104.2
98 49.6 37.5 56.3



#22
cis-1,2-Dichloroethene
Concen: 10.251 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

Tgt Ion: 96 Resp: 101624
Ion Ratio Lower Upper
96 100
61 140.3 0.0 420.0
98 62.6 31.8 95.3

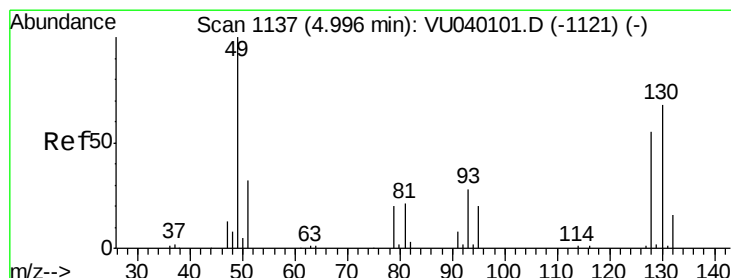
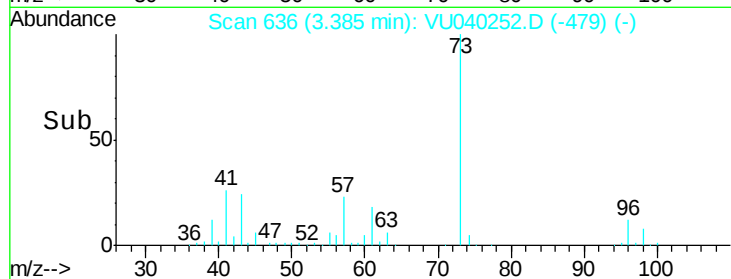
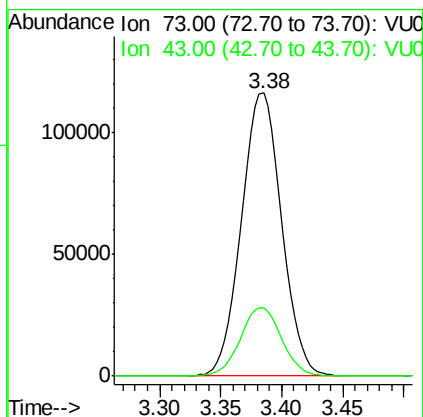
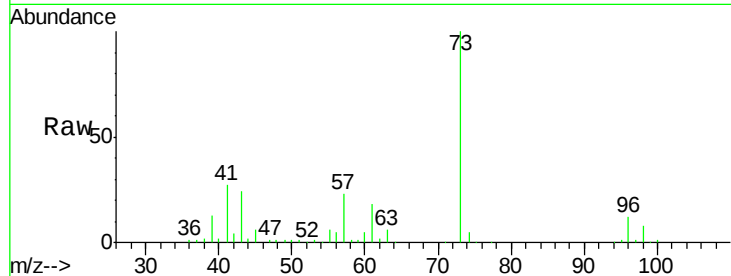




#25
Methvl tert-Butvl Ether
Concen: 9.988 ug/l
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

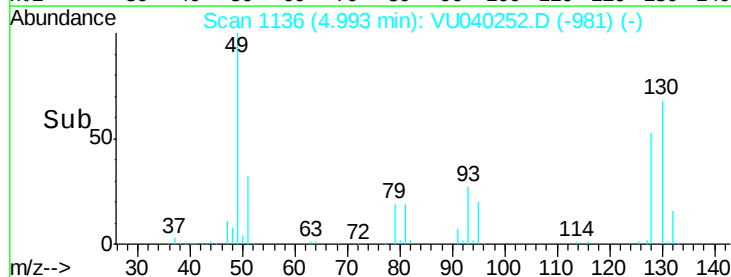
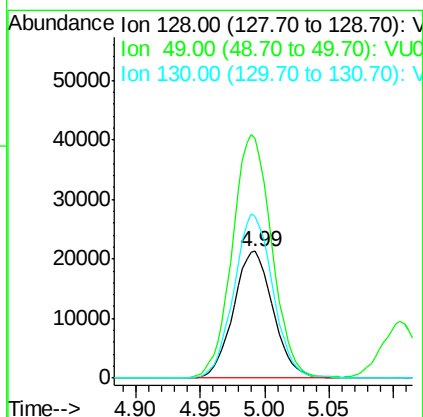
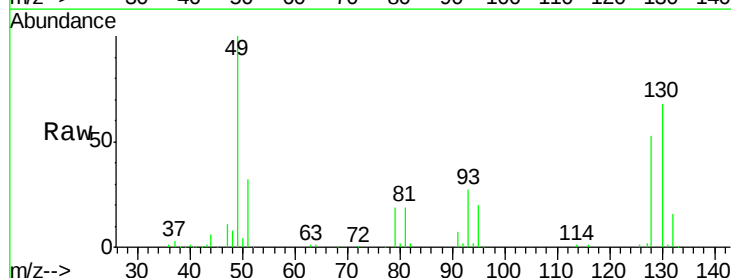
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

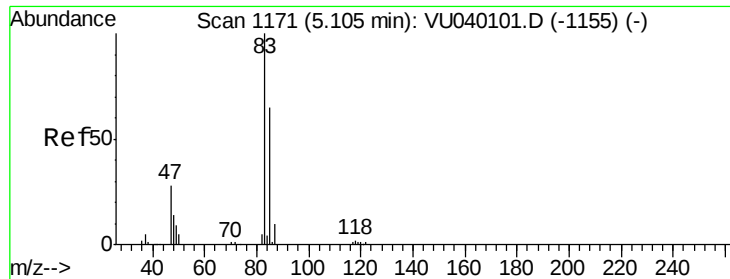
Tot Ion: 73 Resp: 264693
Ion Ratio Lower Upper
73 100
43 24.6 20.0 30.0



#26
Bromochloromethane
Concen: 9.447 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

Tgt Ion: 128 Resp: 45521
Ion Ratio Lower Upper
128 100
49 191.2 0.0 390.6
130 127.2 104.9 157.3

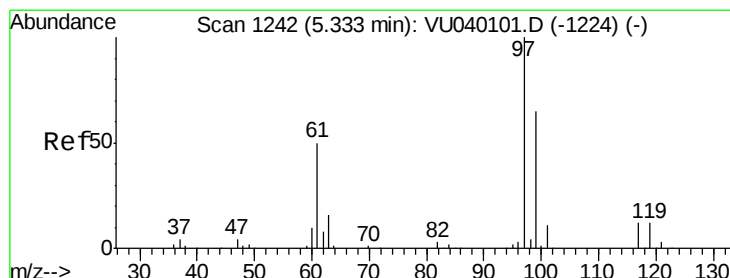
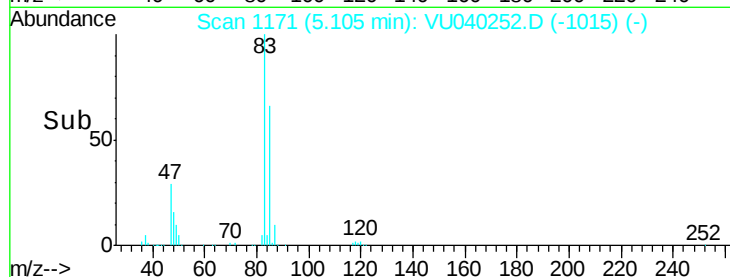
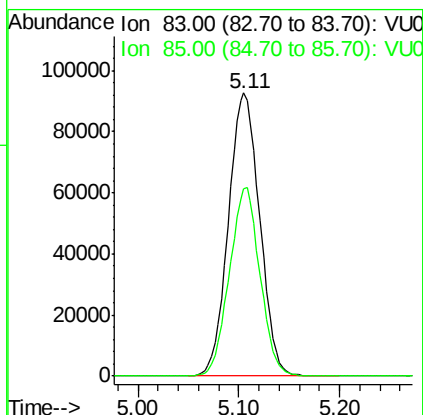
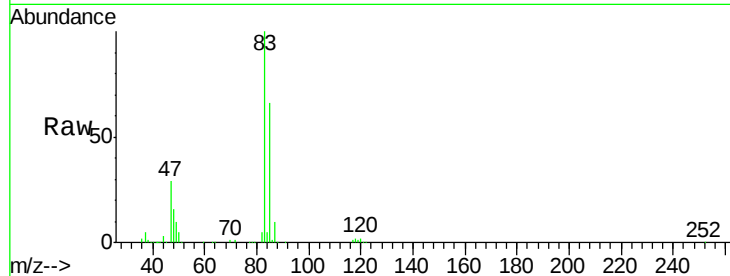




#27
Chloroform
Concen: 9.462 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

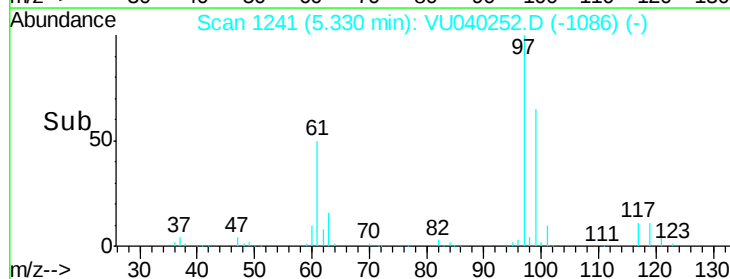
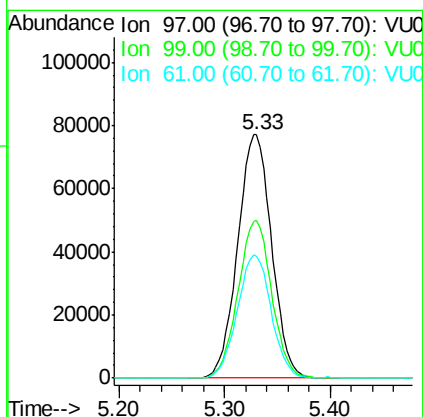
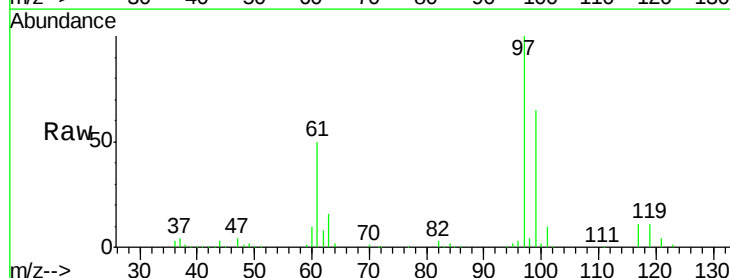
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

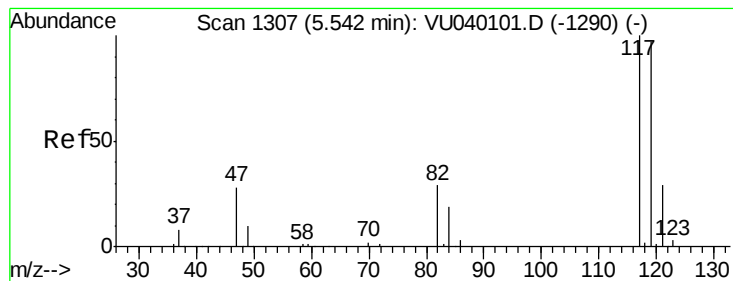
Tot Ion: 83 Resp: 199900
Ion Ratio Lower Upper
83 100
85 66.3 0.0 132.4



#28
1,1,1-Trichloroethane
Concen: 9.708 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

Tgt Ion: 97 Resp: 172319
Ion Ratio Lower Upper
97 100
99 64.3 31.8 95.4
61 50.6 25.1 75.2





#30

Carbon Tetrachloride

Concen: 10.437 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.01 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

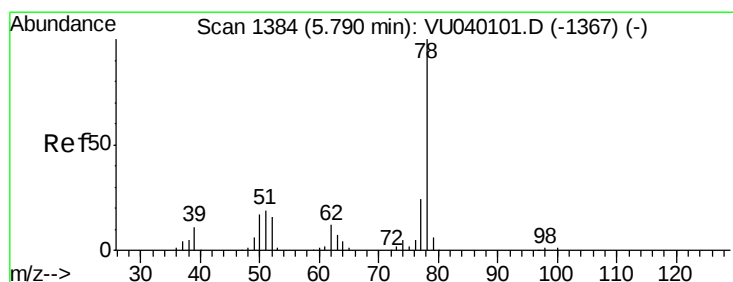
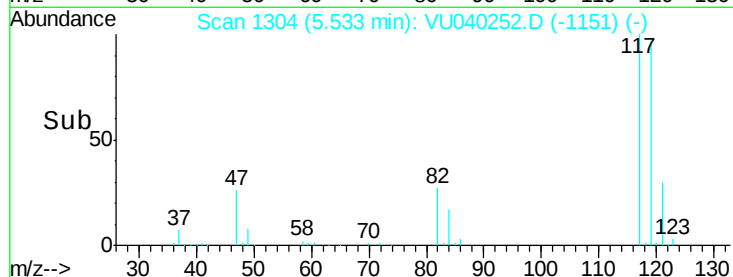
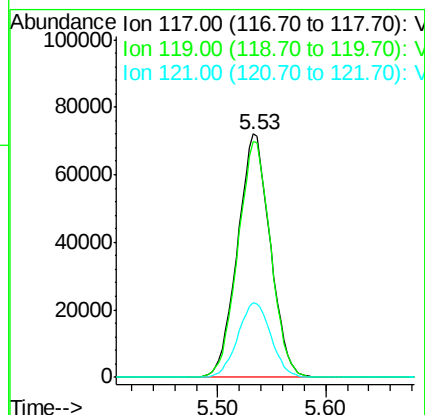
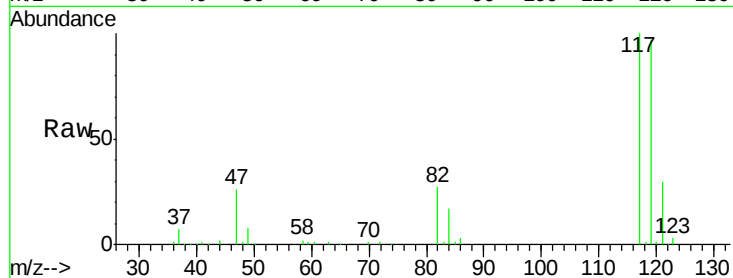
Tot Ion:117 Resp: 152184

Ion Ratio Lower Upper

117 100

119 96.9 77.0 115.4

121 30.5 24.2 36.4



#35

Benzene

Concen: 10.569 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040252.D

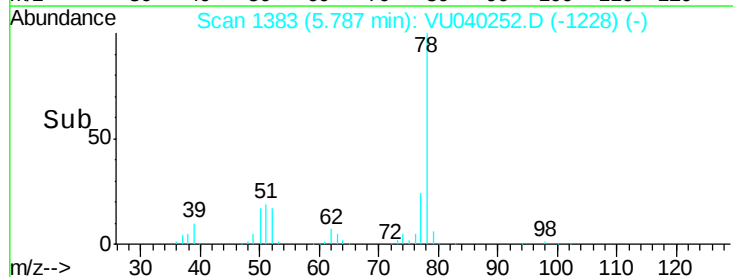
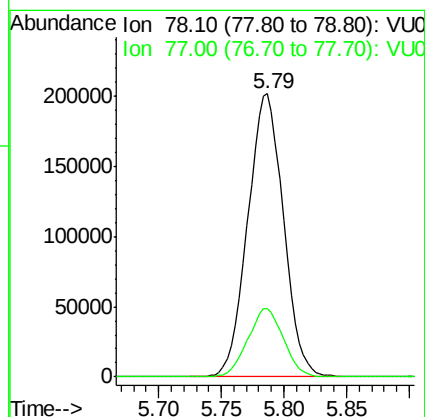
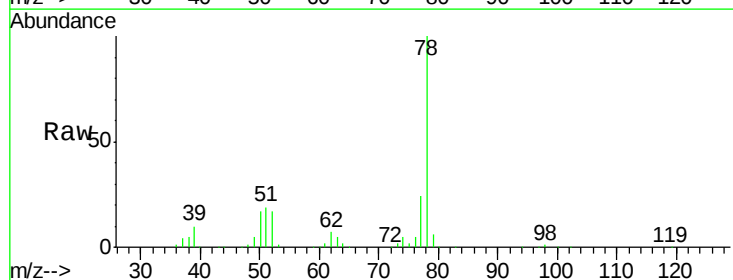
Acq: 22 Sep 2020 17:29

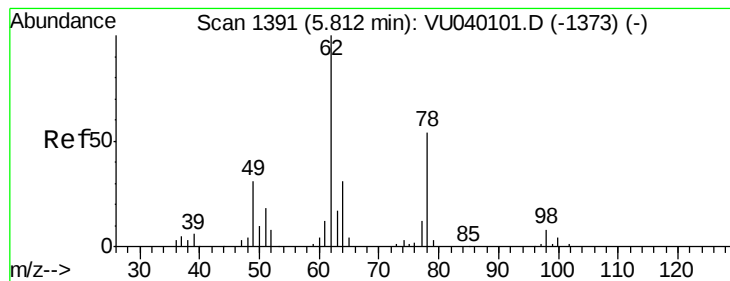
Tgt Ion: 78 Resp: 400524

Ion Ratio Lower Upper

78 100

77 24.3 19.1 28.7





#36

1,2-Dichloroethane

Concen: 9.860 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

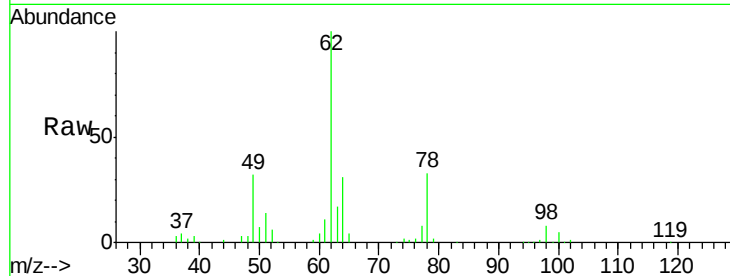
VSTDCCC010EC

Tot Ion: 62 Resp: 150167

Ion Ratio Lower Upper

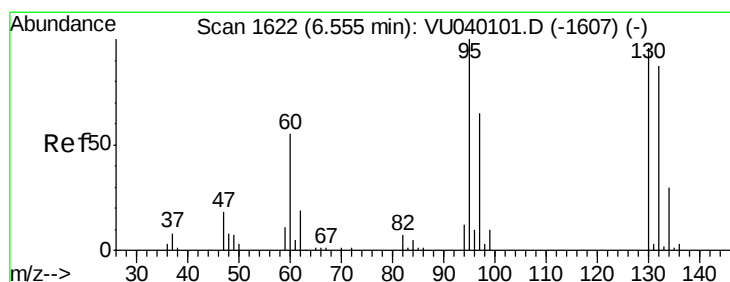
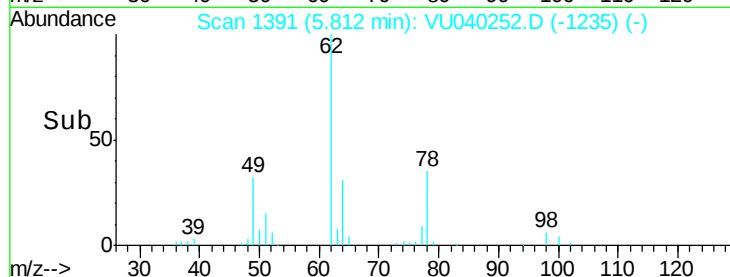
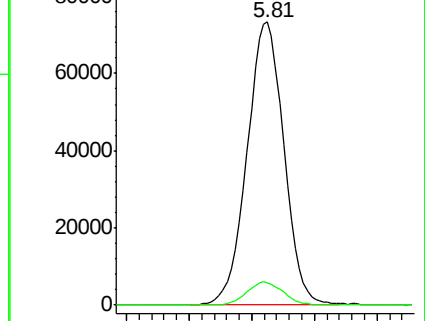
62 100

98 8.1 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU040252.D (-1235) (-)

Ion 98.00 (97.70 to 98.70): VU040252.D (-1235) (-)



#37

Trichloroethene

Concen: 10.698 ug/l

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040252.D

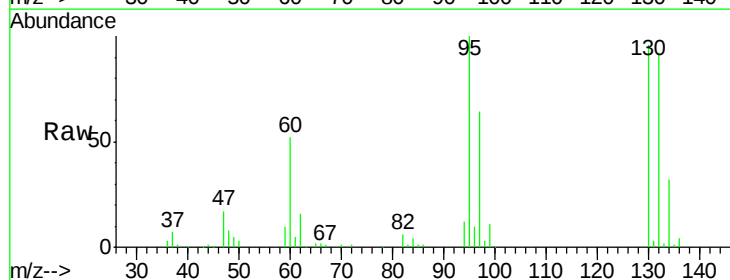
Acq: 22 Sep 2020 17:29

Tgt Ion:130 Resp: 104143

Ion Ratio Lower Upper

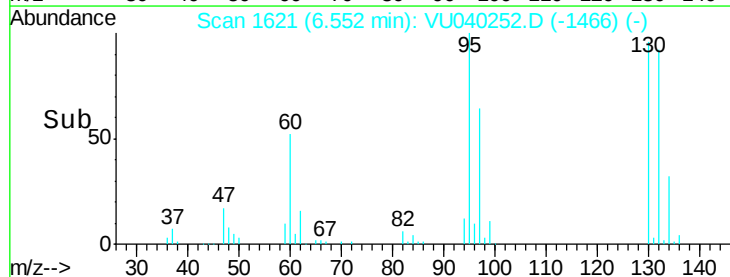
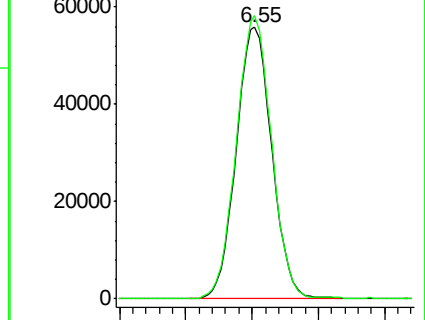
130 100

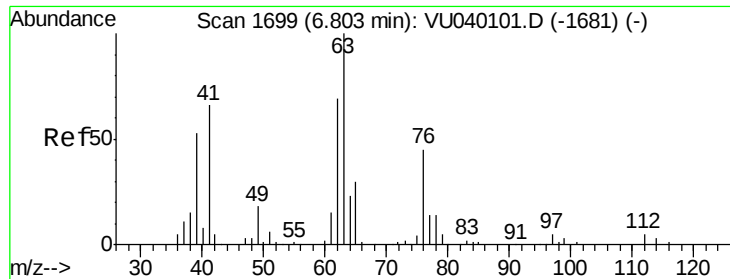
95 104.2 84.2 126.2



Abundance Ion 129.90 (129.60 to 130.60): VU040252.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU040252.D (-1466) (-)

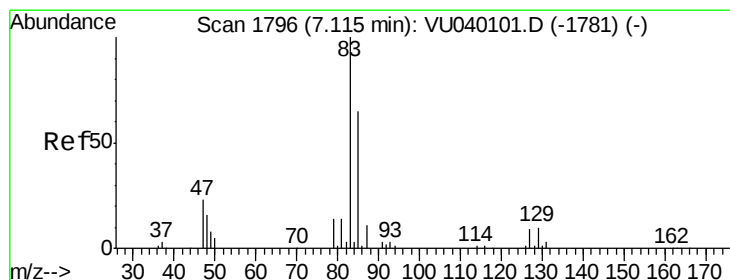
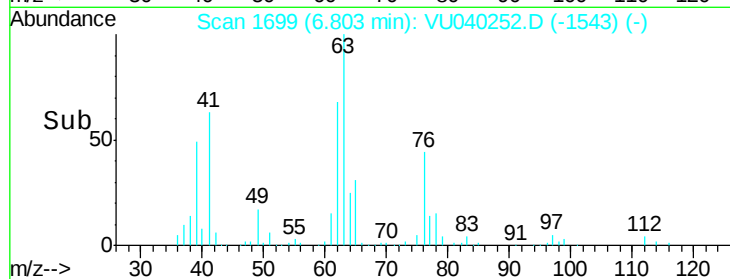
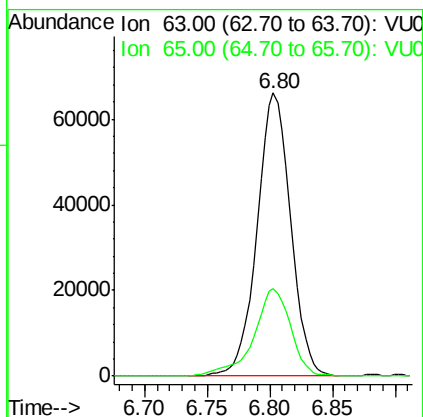
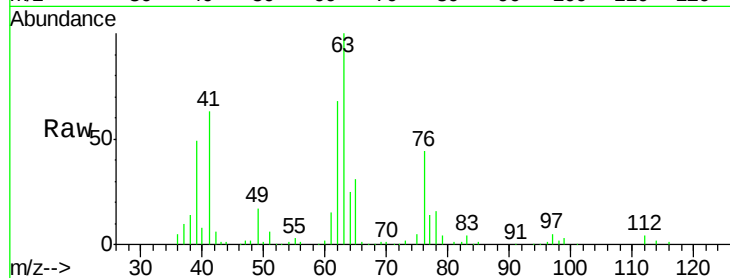




#38
 1,2-Dichloropropane
 Concen: 10.497 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

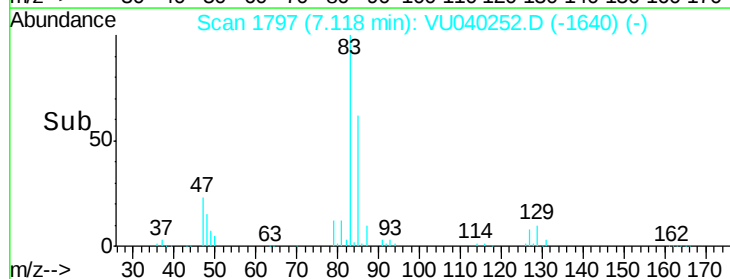
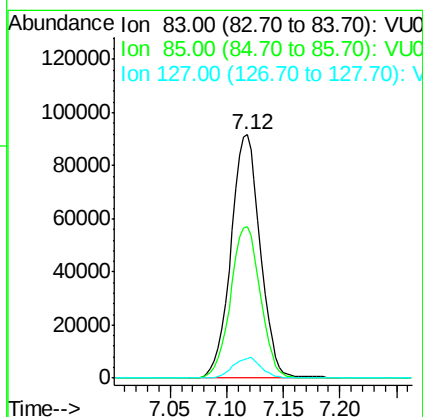
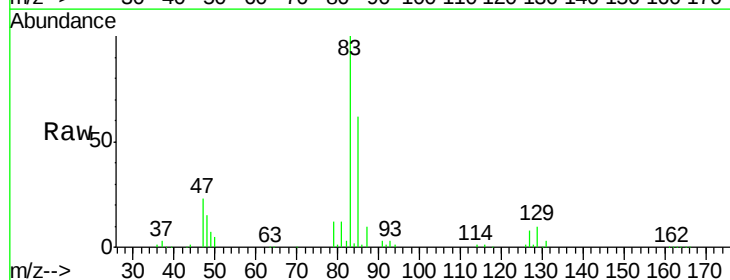
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

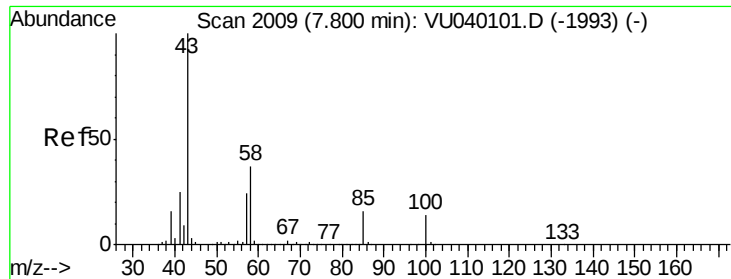
Tot Ion: 63 Resp: 123121
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.0 34.6



#44
 Bromodichloromethane
 Concen: 10.353 ug/l
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Tgt Ion: 83 Resp: 165944
 Ion Ratio Lower Upper
 83 100
 85 62.2 52.1 78.1
 127 8.3 6.6 9.8

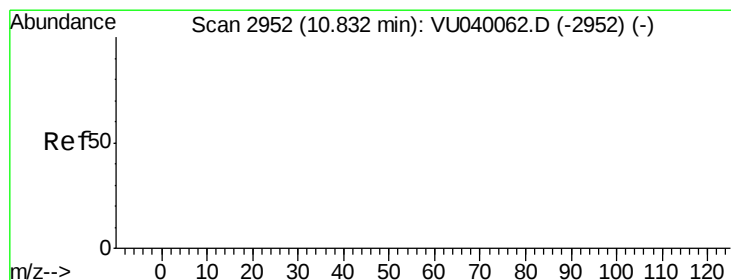
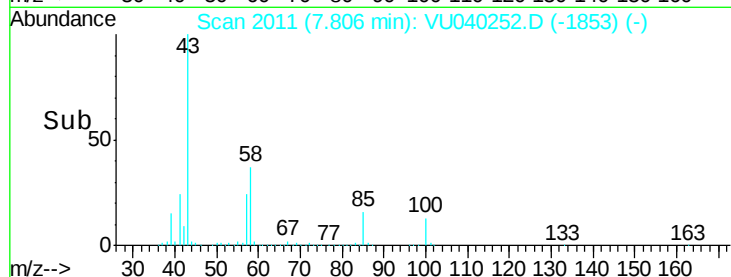
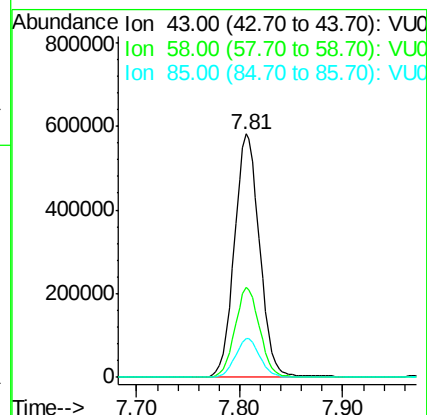
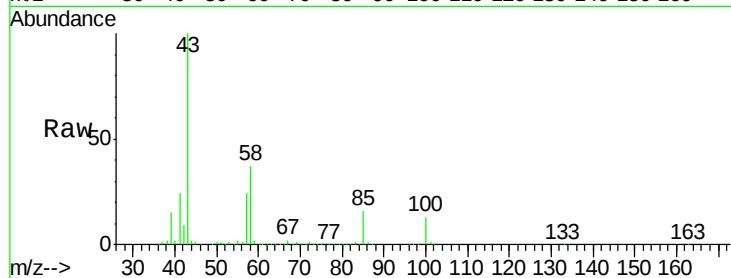




#45
4-Methyl-2-Pentanone
Concen: 51.849 ug/l
RT: 7.81 min Scan# 2011
Delta R.T. 0.01 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

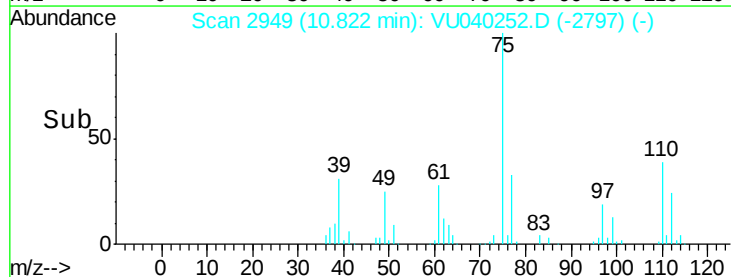
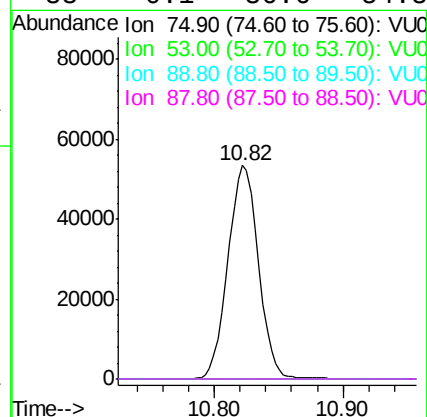
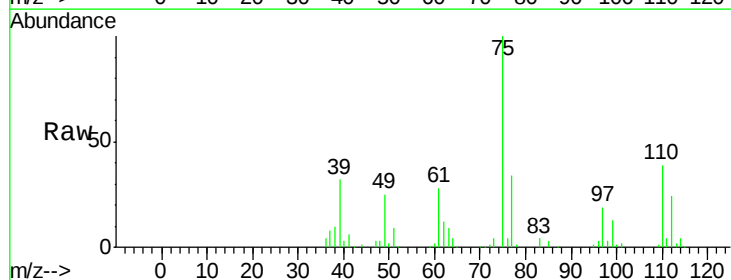
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

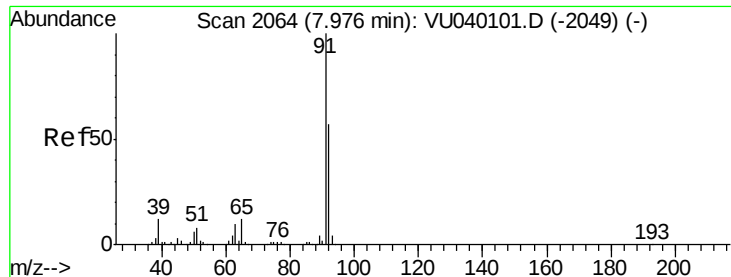
Tot Ion: 43 Resp: 991097
Ion Ratio Lower Upper
43 100
58 36.4 18.1 54.3
85 15.6 12.3 18.5



#46
t-1,4-Dichloro-2-butene
Concen: 19.013 ug/l
RT: 10.82 min Scan# 2949
Delta R.T. -0.01 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

Tgt Ion: 75 Resp: 87540
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.0 41.6 62.4#
88 0.1 36.6 54.8#





#49

Toluene

Concen: 11.149 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

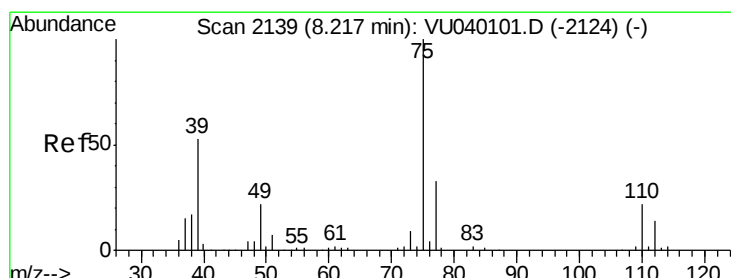
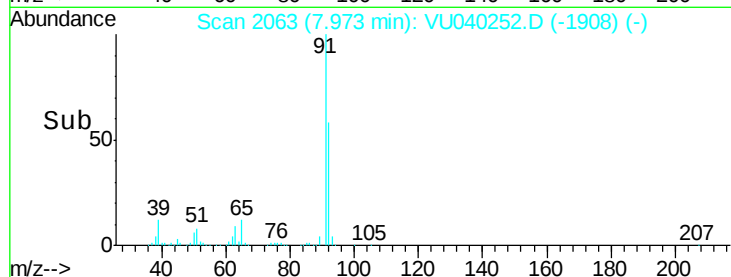
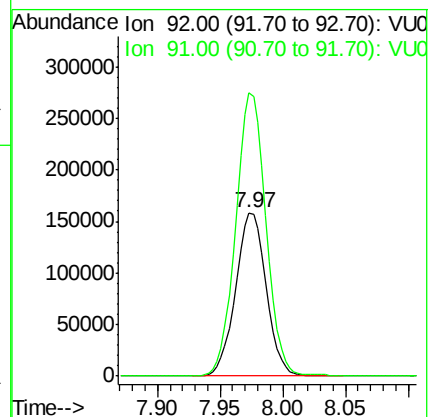
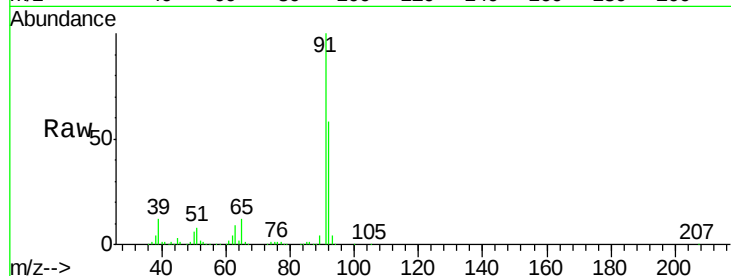
VSTDCCC010EC

Tot Ion: 92 Resp: 267956

Ion Ratio Lower Upper

92 100

91 171.3 138.6 207.8



#50

t-1,3-Dichloropropene

Concen: 10.243 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040252.D

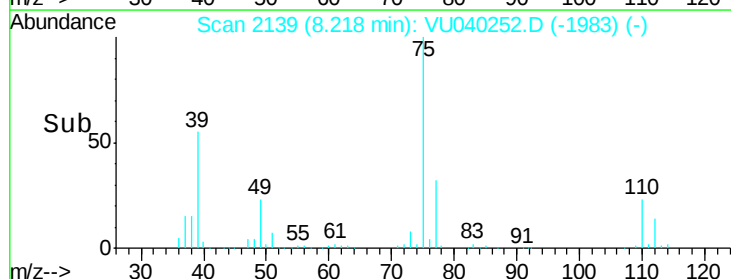
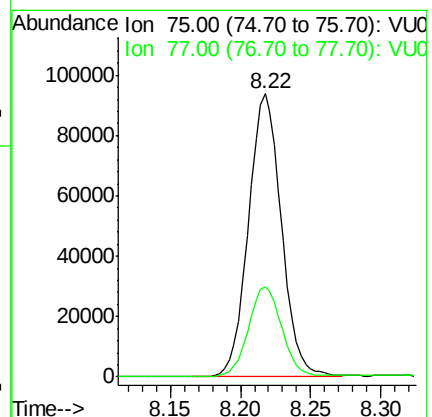
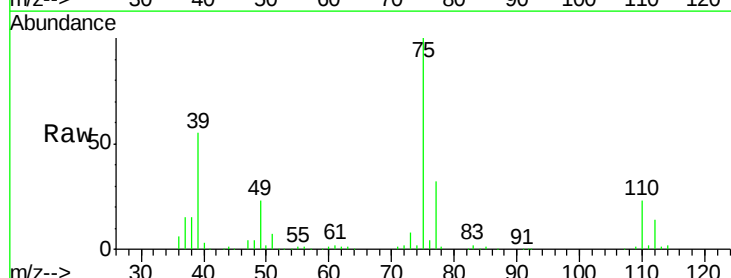
Acq: 22 Sep 2020 17:29

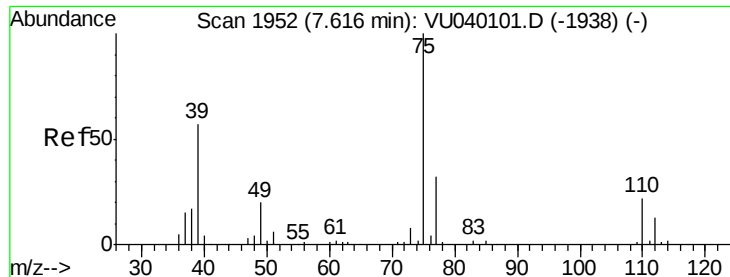
Tgt Ion: 75 Resp: 153809

Ion Ratio Lower Upper

75 100

77 32.0 24.4 36.6



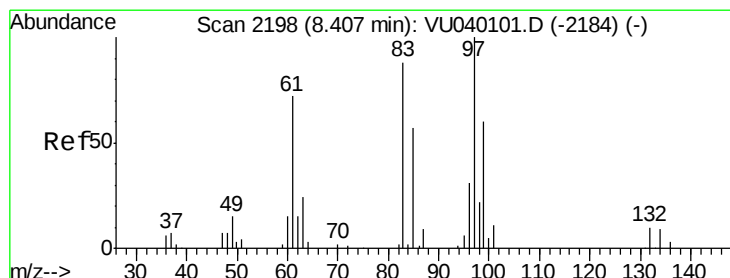
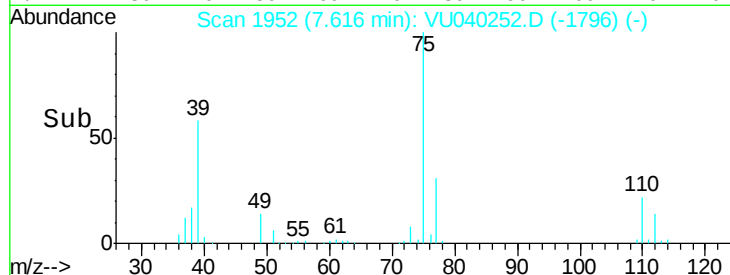
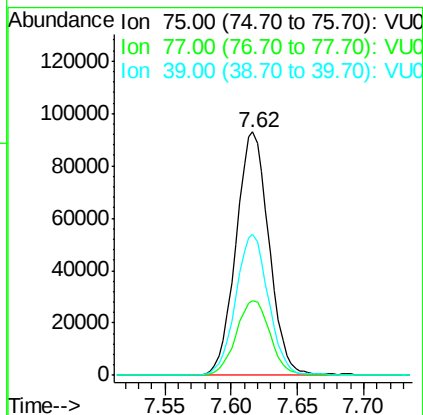
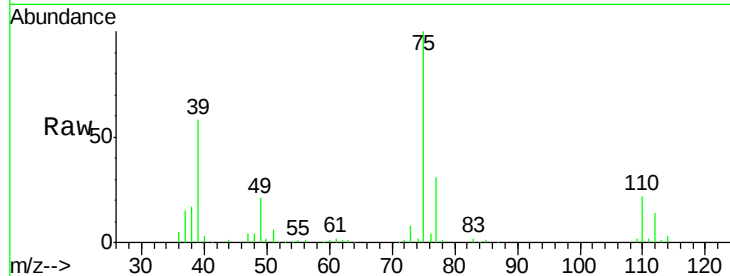


#51

cis-1,3-Dichloropropene
 Concen: 10.397 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

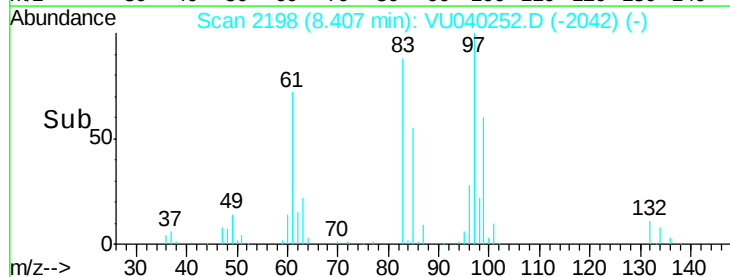
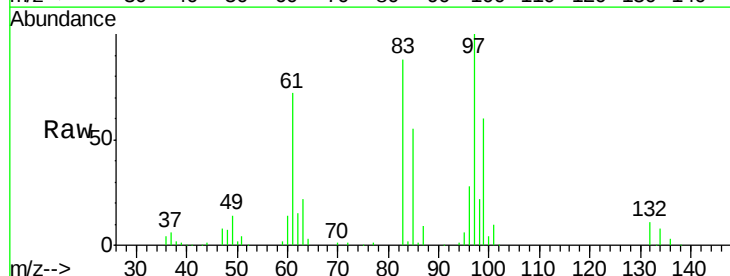
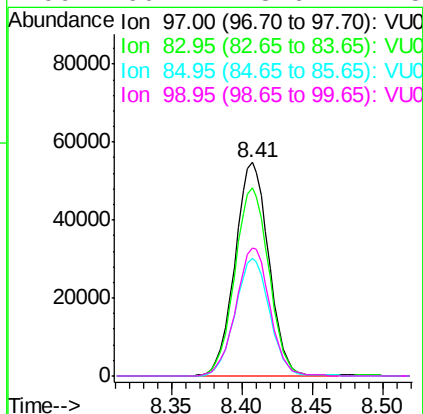
Tot Ion: 75 Resp: 160638
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 37.0
 39 57.7 46.2 69.4

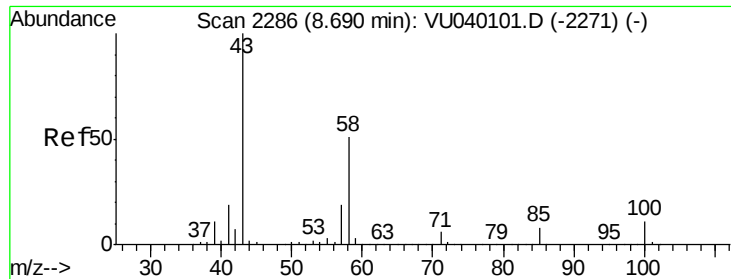


#52

1,1,2-Trichloroethane
 Concen: 9.906 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Tgt Ion: 97 Resp: 92302
 Ion Ratio Lower Upper
 97 100
 83 88.1 68.7 103.1
 85 55.2 46.7 70.1
 99 60.2 48.6 72.8

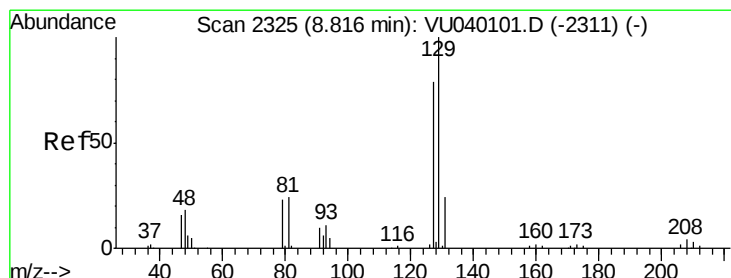
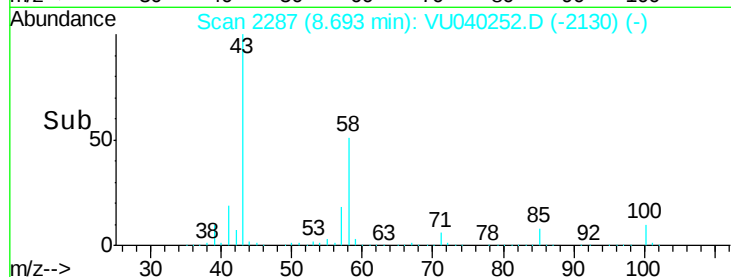
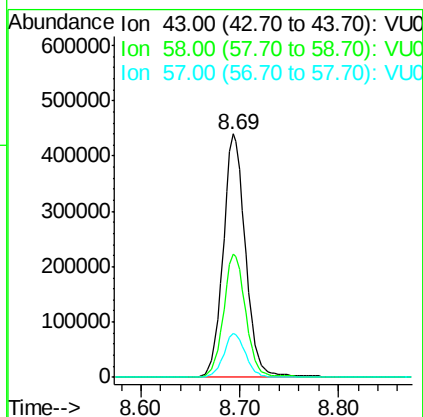
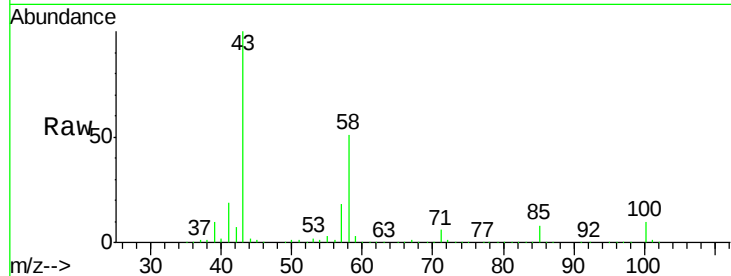




#54
2-Hexanone
Concen: 51.615 ug/l
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

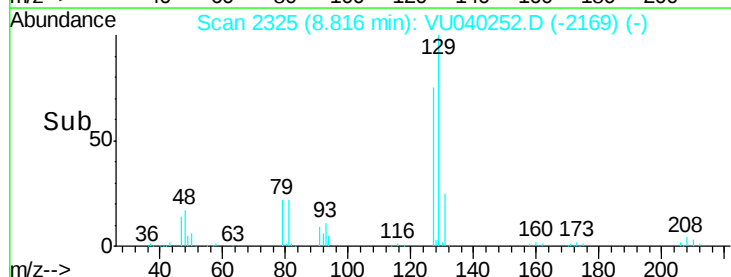
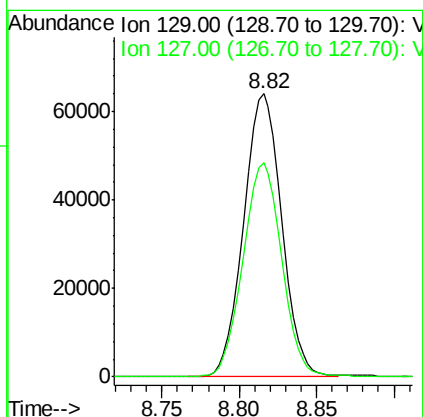
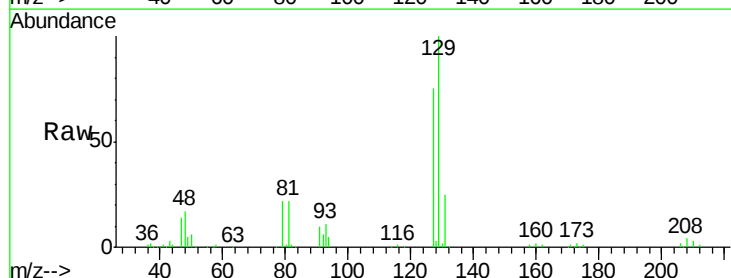
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

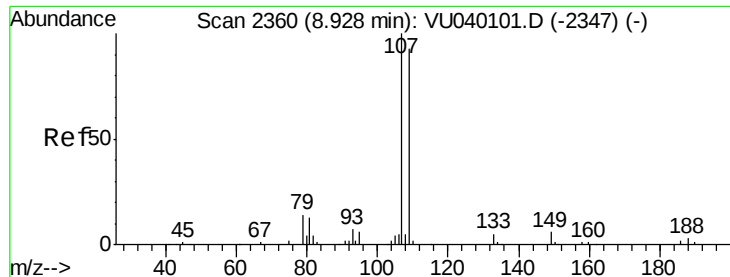
Tot Ion: 43 Resp: 697445
Ion Ratio Lower Upper
43 100
58 50.5 29.6 69.6
57 17.6 0.0 37.8



#55
Dibromochloromethane
Concen: 10.228 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

Tgt Ion: 129 Resp: 110211
Ion Ratio Lower Upper
129 100
127 76.8 62.7 94.1

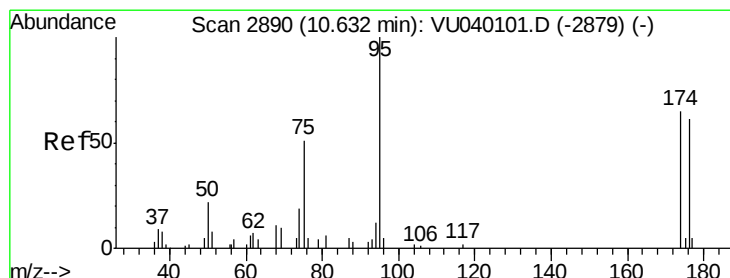
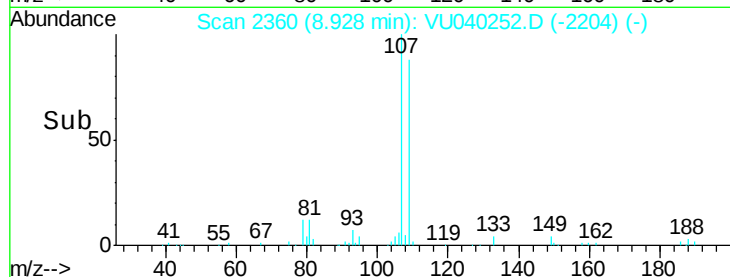
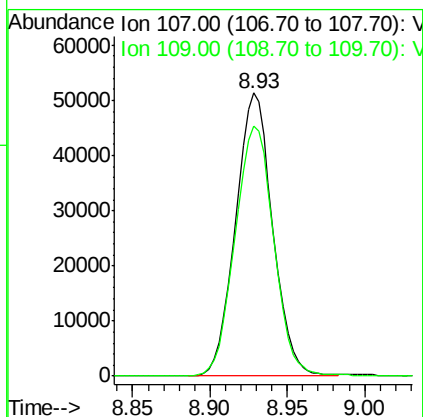
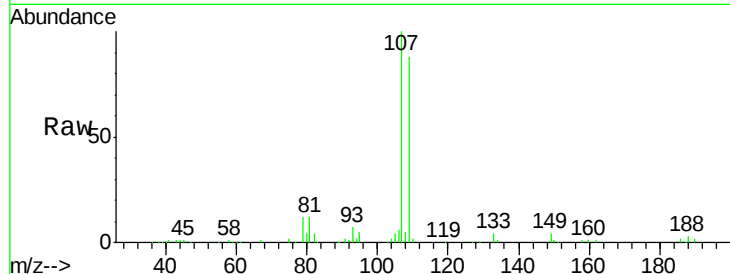




#56
 1,2-Dibromoethane
 Concen: 9.971 ug/l
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

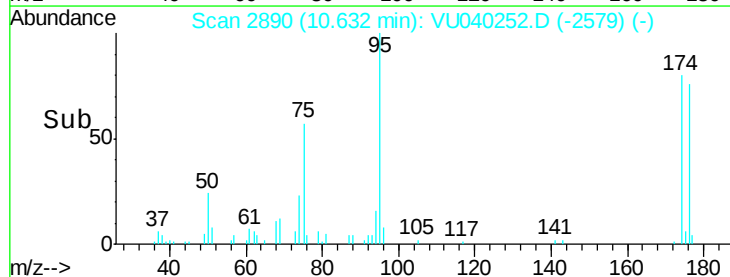
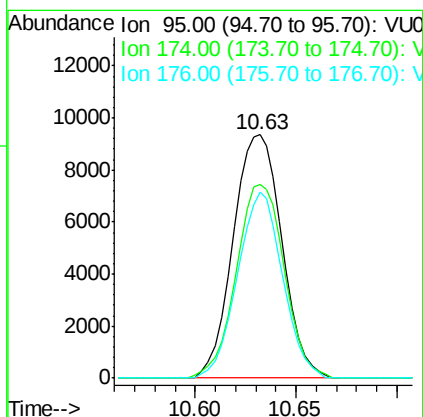
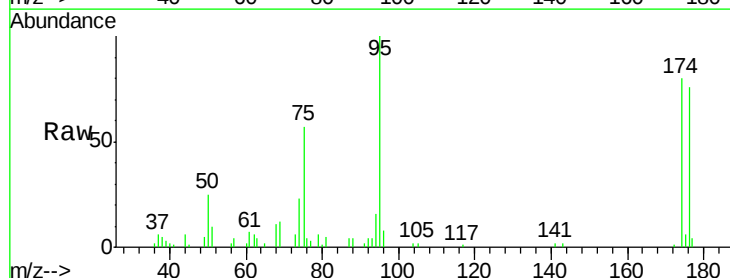
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

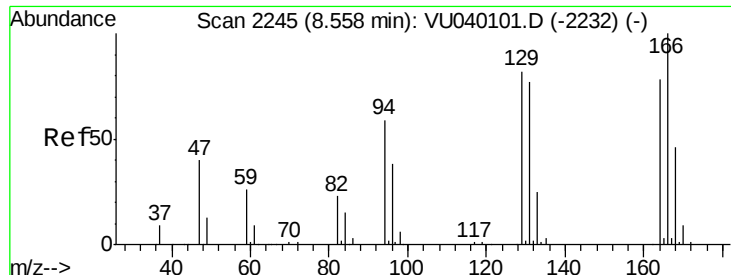
Tot Ion:107 Resp: 85381
 Ion Ratio Lower Upper
 107 100
 109 92.4 0.0 191.0



#57
 4-Bromofluorobenzene
 Concen: 1.001 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Tgt Ion: 95 Resp: 15781
 Ion Ratio Lower Upper
 95 100
 174 78.9 49.4 74.0#
 176 70.8 50.1 75.1





#58

Tetrachloroethene

Concen: 11.414 ug/l

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:164 Resp: 82596

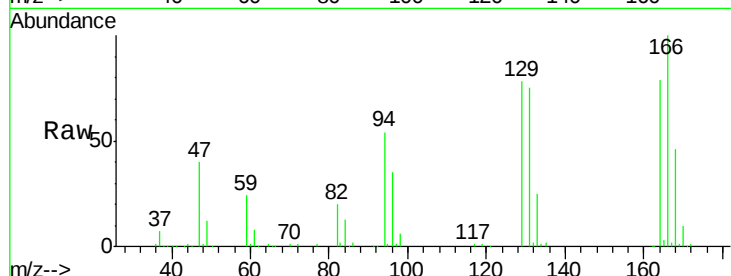
Ion Ratio Lower Upper

164 100

166 126.8 101.3 151.9

129 98.4 84.8 127.2

131 95.6 81.8 122.6

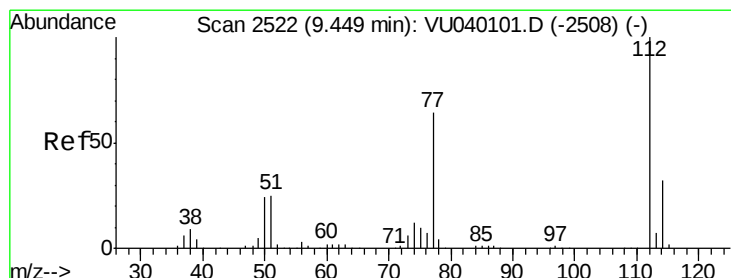
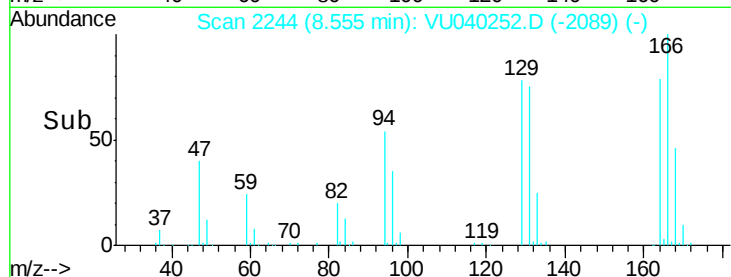
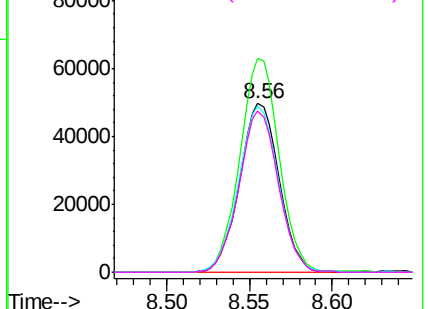


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 10.564 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040252.D

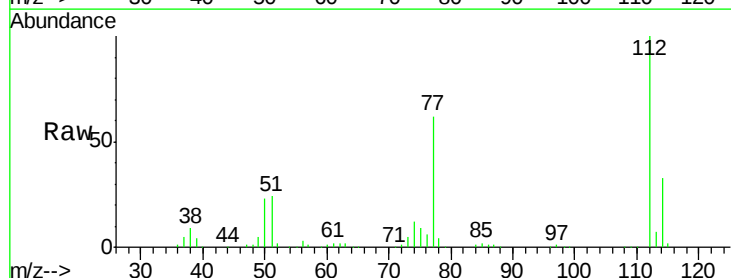
Acq: 22 Sep 2020 17:29

Tgt Ion:112 Resp: 298558

Ion Ratio Lower Upper

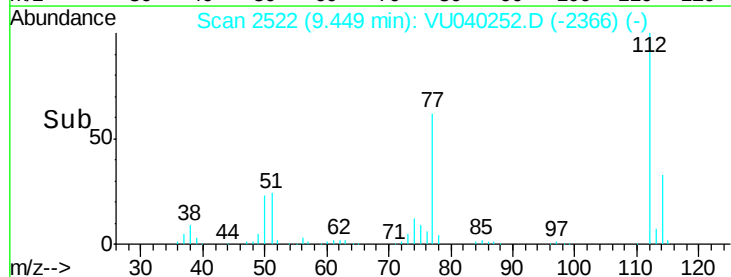
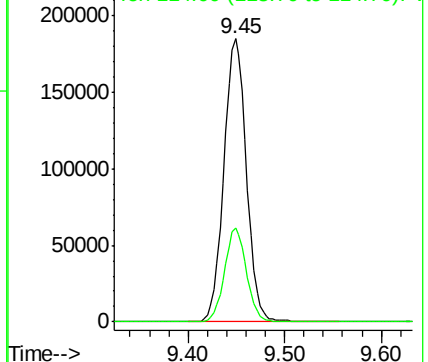
112 100

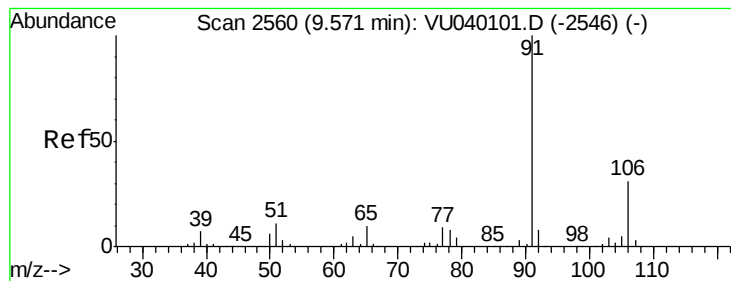
114 33.2 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#63

Ethyl Benzene

Concen: 11.265 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

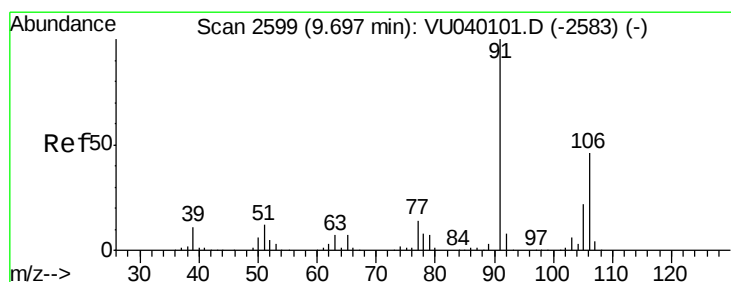
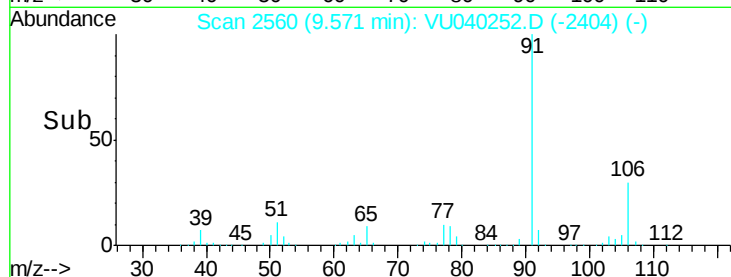
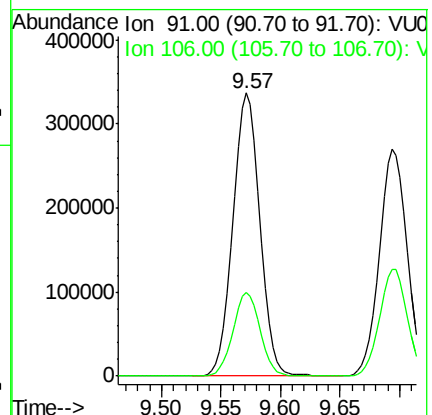
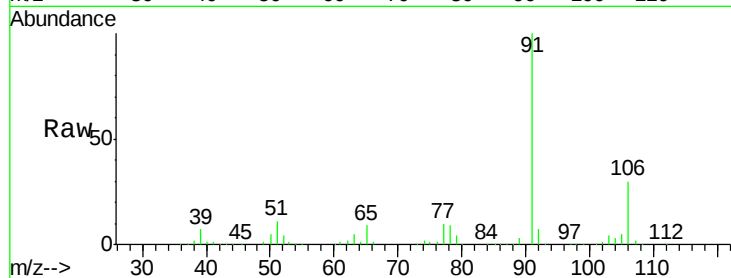
VSTDCCC010EC

Tot Ion: 91 Resp: 528674

Ion Ratio Lower Upper

91 100

106 29.7 23.8 35.8



#64

m/p-Xylenes

Concen: 23.077 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040252.D

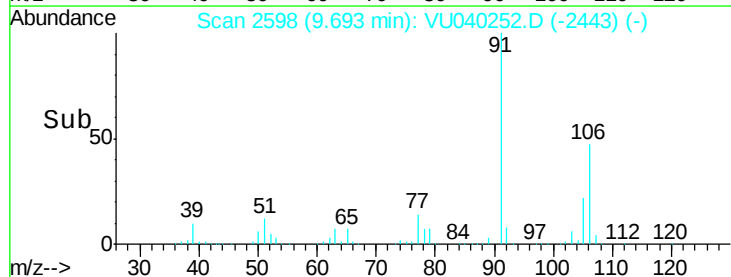
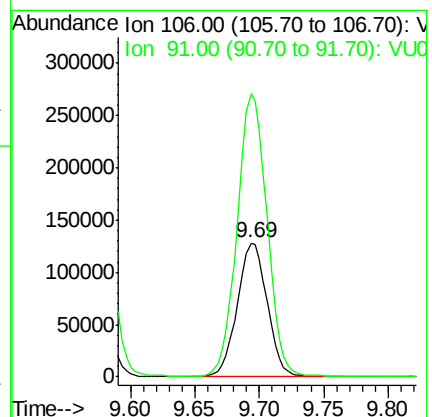
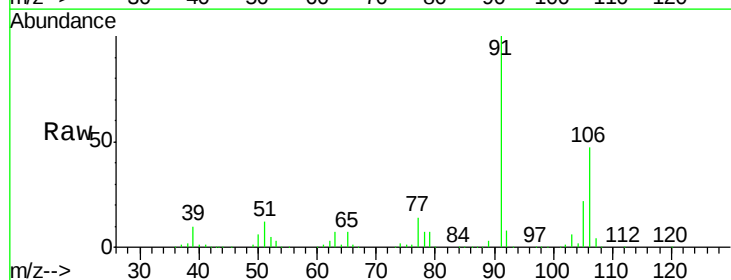
Acq: 22 Sep 2020 17:29

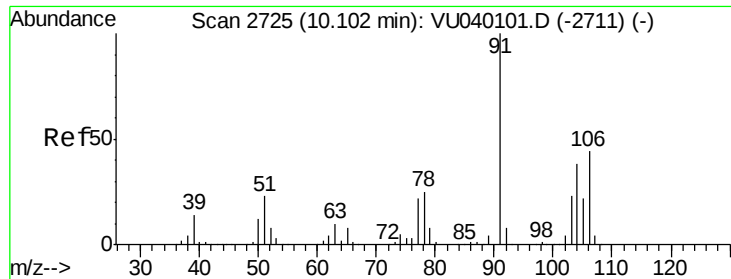
Tgt Ion: 106 Resp: 205700

Ion Ratio Lower Upper

106 100

91 212.5 171.4 257.2

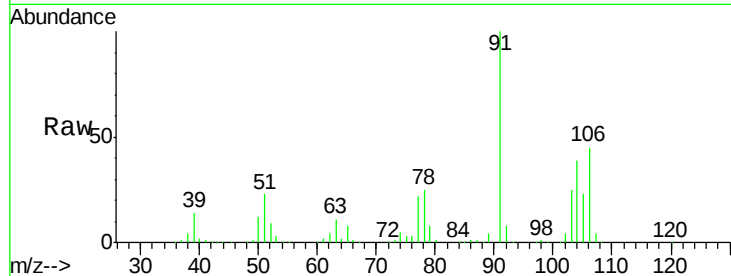




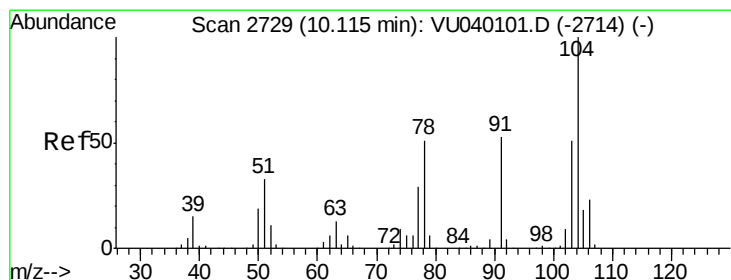
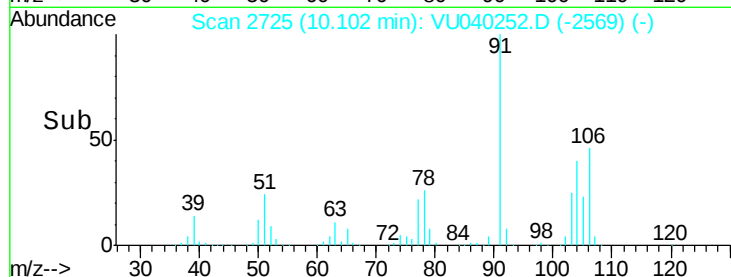
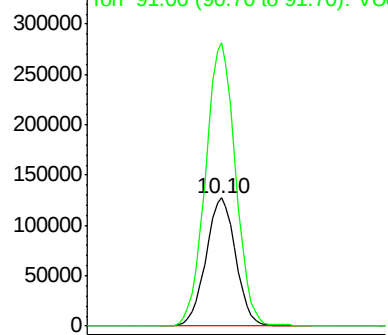
#65
o-Xylene
Concen: 11.638 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 199042
Ion Ratio Lower Upper
106 100
91 222.3 114.2 342.6

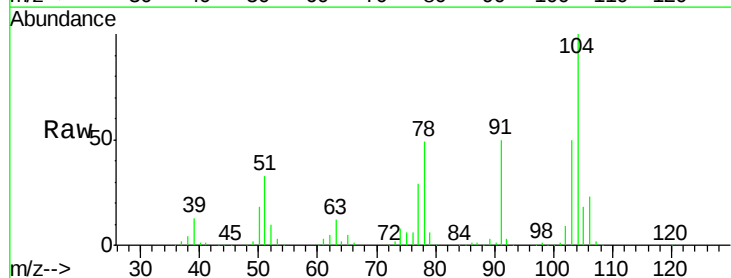


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

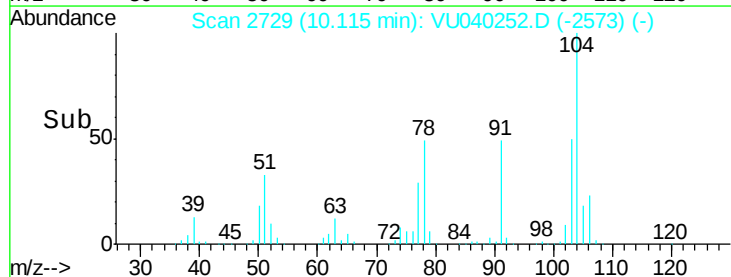
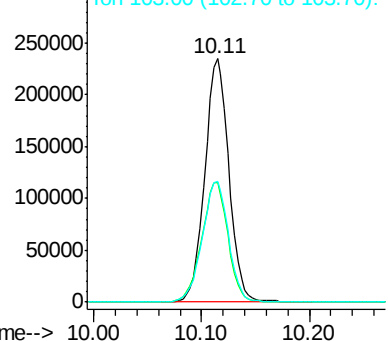


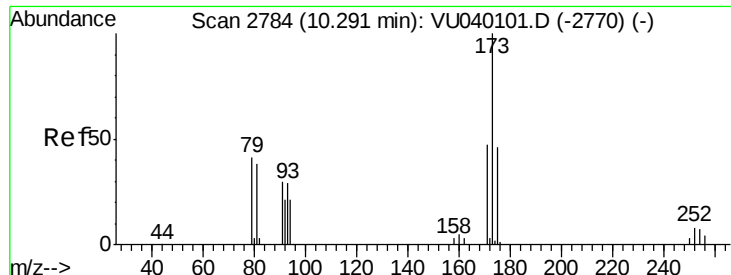
#66
Styrene
Concen: 12.006 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040252.D
Acq: 22 Sep 2020 17:29

Tgt Ion:104 Resp: 366515
Ion Ratio Lower Upper
104 100
78 53.7 43.9 65.9
103 54.1 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 10.722 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

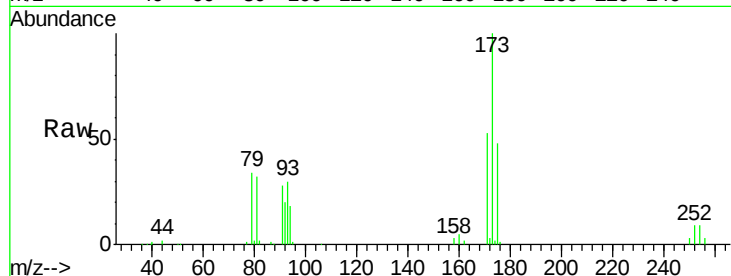
Tot Ion:173 Resp: 60500

Ion Ratio Lower Upper

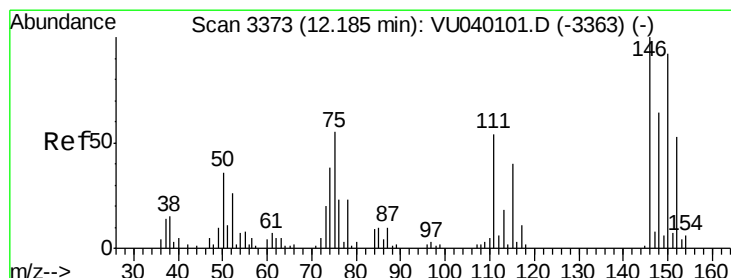
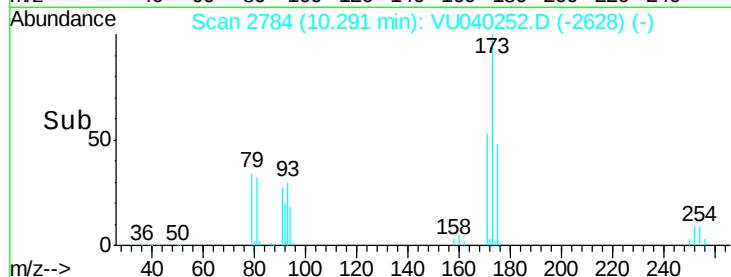
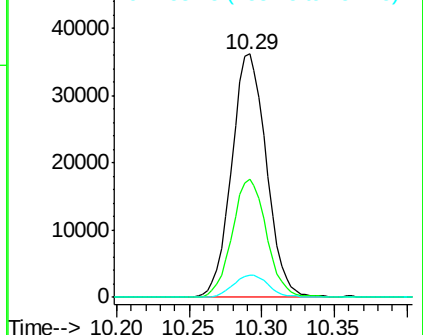
173 100

175 47.7 38.0 57.0

254 9.3 5.8 8.8#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.134 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. 0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

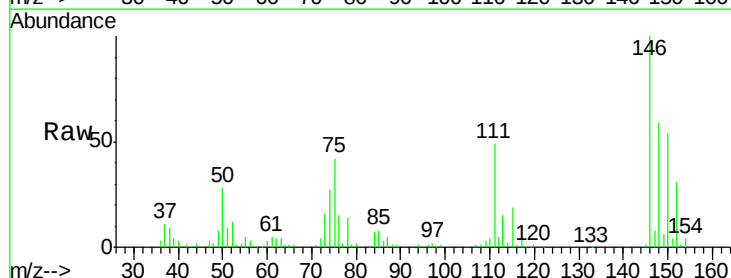
Tgt Ion:152 Resp: 16063

Ion Ratio Lower Upper

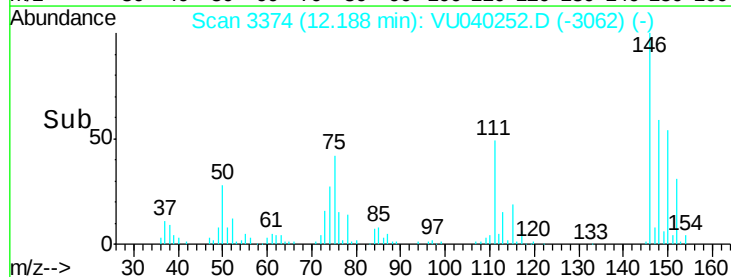
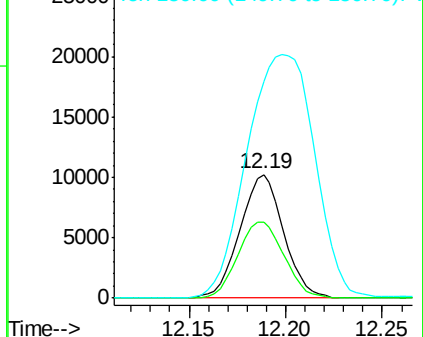
152 100

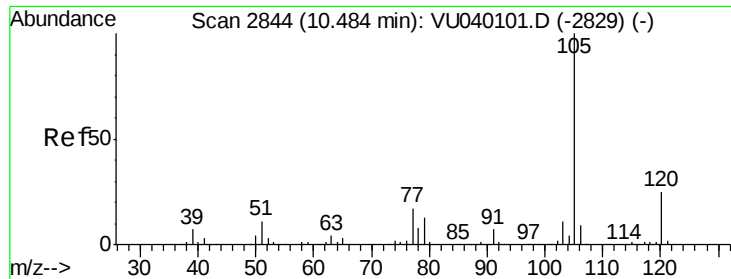
115 65.2 0.0 309.0

150 307.6 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: 11.463 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

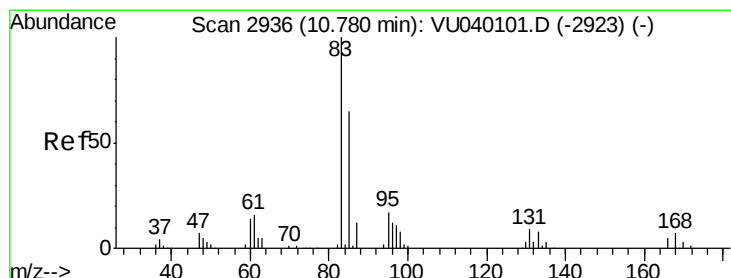
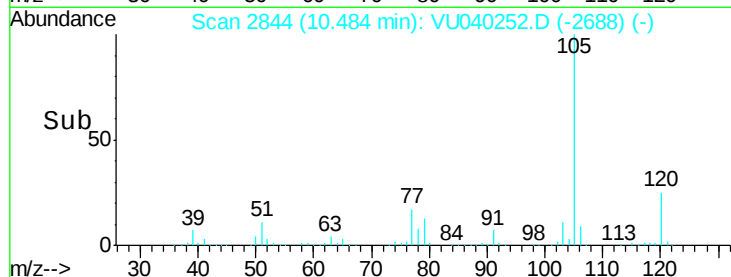
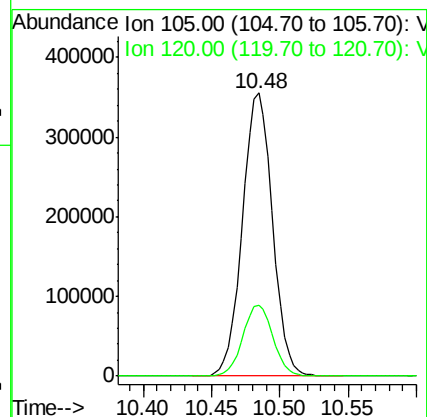
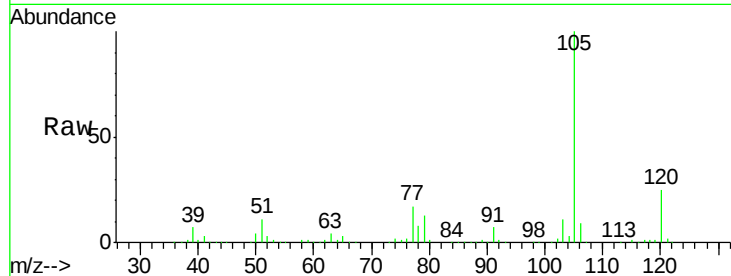
VSTDCCC010EC

Tot Ion:105 Resp: 543109

Ion Ratio Lower Upper

105 100

120 25.2 12.4 37.4



#70

1,1,2,2-Tetrachloroethane

Concen: 9.573 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

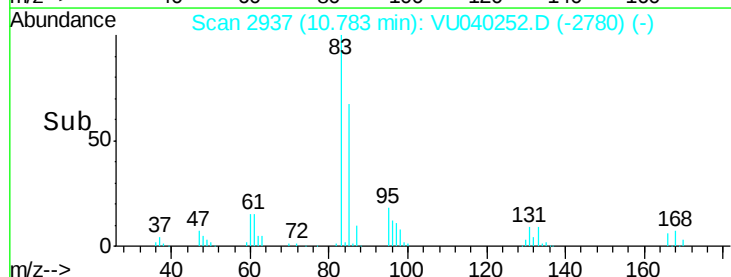
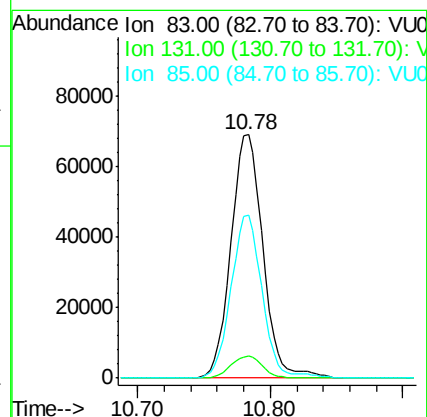
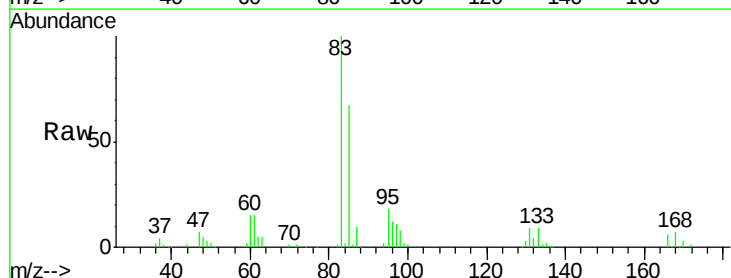
Tgt Ion: 83 Resp: 116156

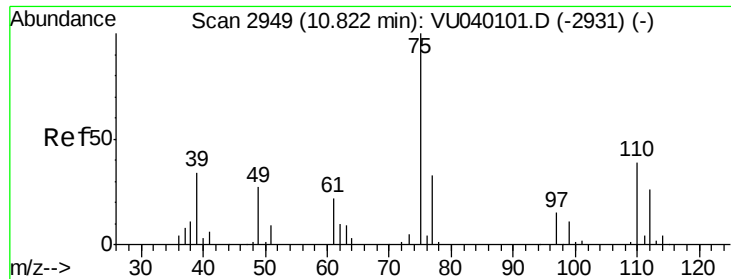
Ion Ratio Lower Upper

83 100

131 8.9 7.5 11.3

85 63.8 49.7 74.5

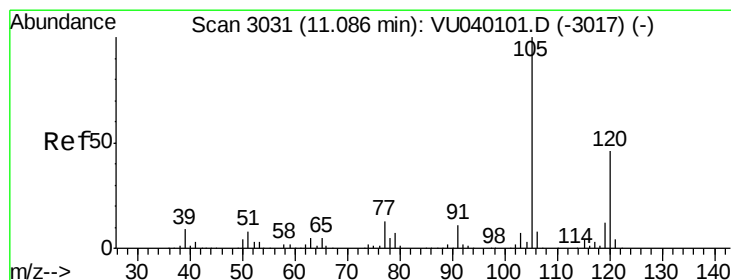
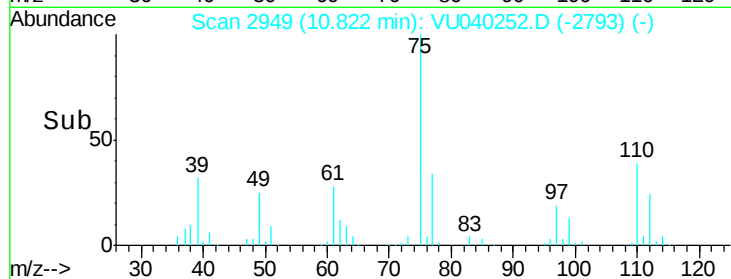
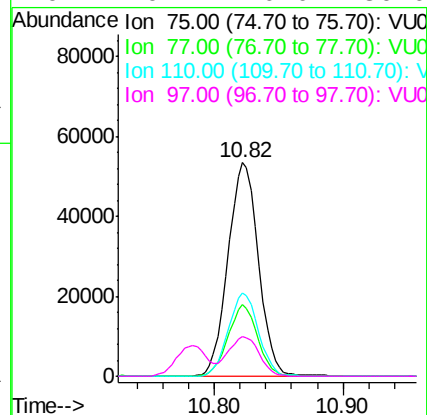
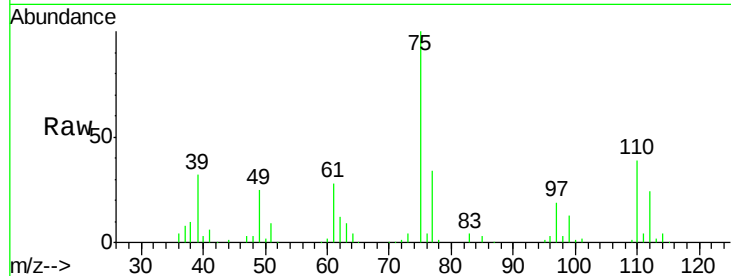




#71
 1,2,3-Trichloropropane
 Concen: 9.439 ug/l
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

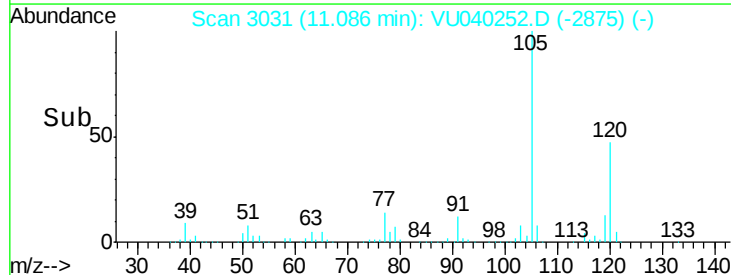
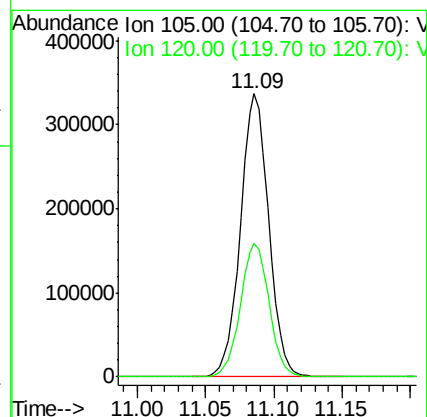
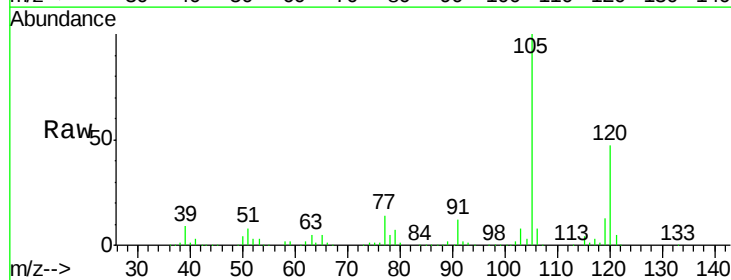
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

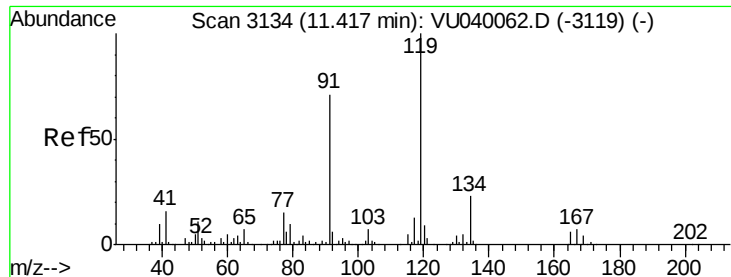
Tot Ion	75	Resp	87540
Ion Ratio	100		
Lower		0.0	
Upper		111.4	
77	32.8		
110	38.5		
97	19.4		
		0.0	36.0



#75
 1,3,5-Trimethylbenzene
 Concen: 11.724 ug/l
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Tgt Ion	105	Resp	484085
Ion Ratio	100		
Lower		36.6	
Upper		55.0	
120	47.8		





#77

tert-Butylbenzene

Concen: 12.127 ug/l

RT: 11.46 min Scan# 3149

Delta R.T. 0.05 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

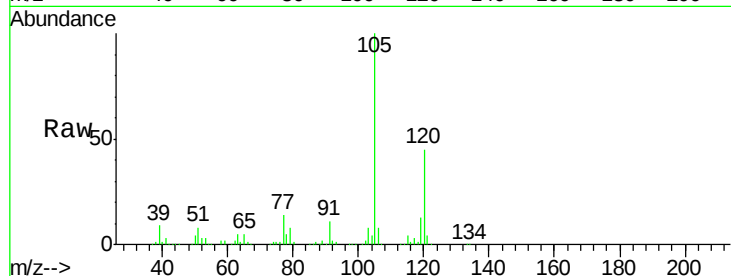
Tot Ion:119 Resp: 60061

Ion Ratio Lower Upper

119 100

91 92.3 34.2 102.5

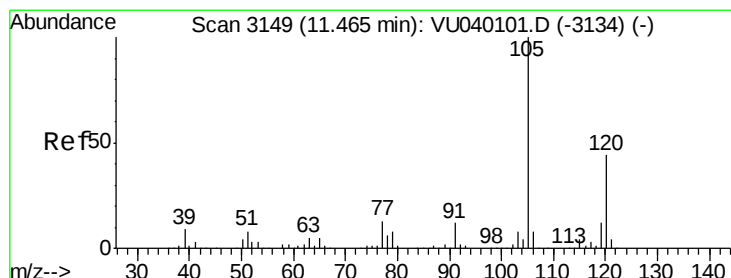
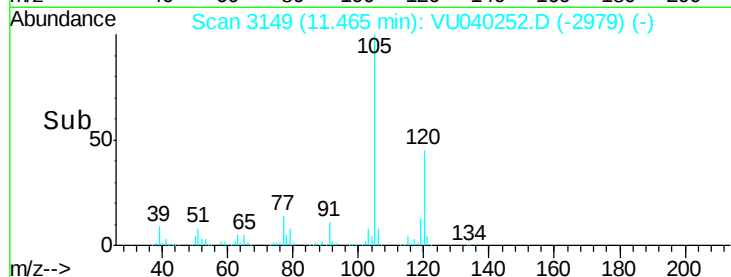
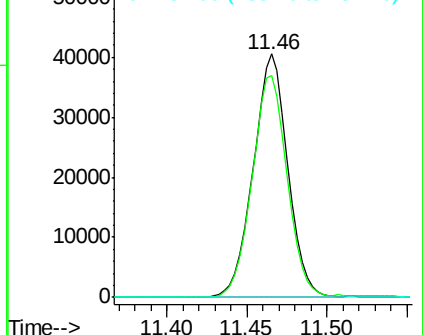
134 0.3 18.2 27.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 11.742 ug/l

RT: 11.46 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040252.D

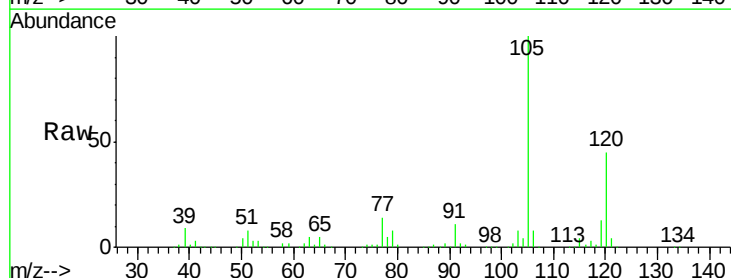
Acq: 22 Sep 2020 17:29

Tgt Ion:105 Resp: 482281

Ion Ratio Lower Upper

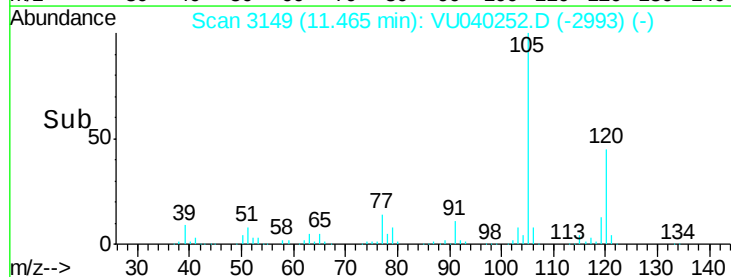
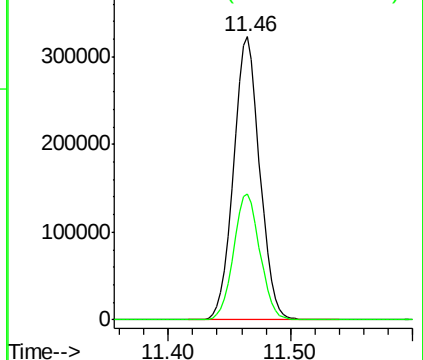
105 100

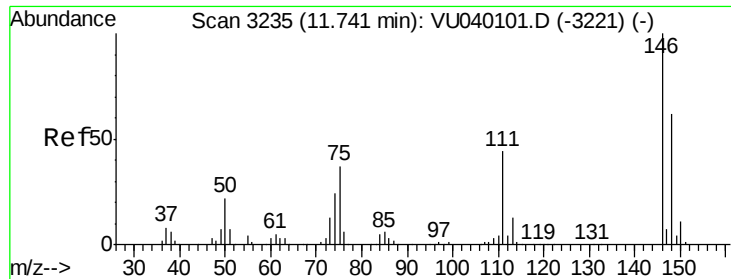
120 44.6 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

1,3-Dichlorobenzene

Concen: 11.117 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

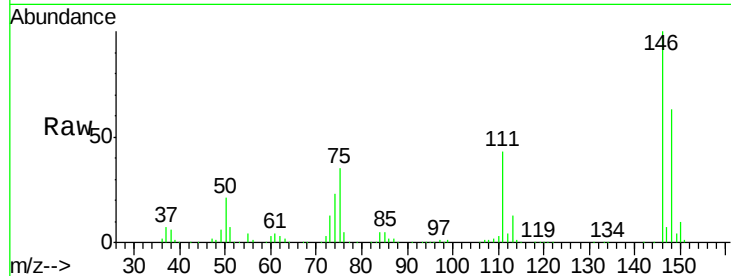
Tot Ion:146 Resp: 265490

Ion Ratio Lower Upper

146 100

111 42.7 35.4 53.0

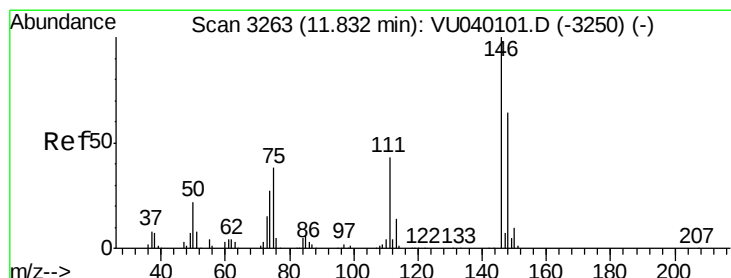
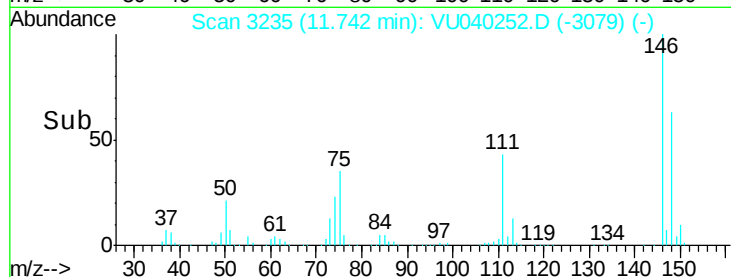
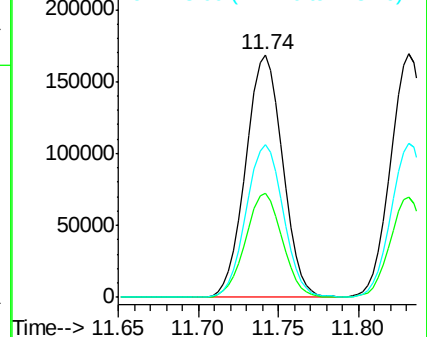
148 63.5 49.7 74.5



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



#83

1,4-Dichlorobenzene

Concen: 11.480 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040252.D

Acq: 22 Sep 2020 17:29

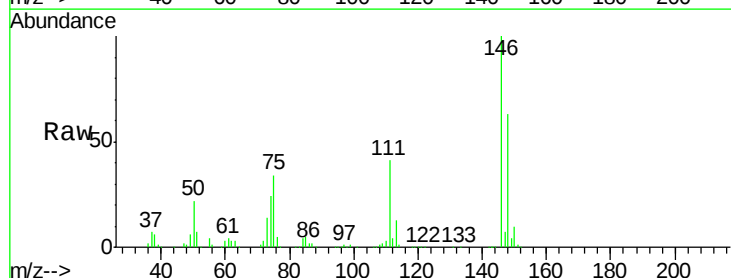
Tgt Ion:146 Resp: 268040

Ion Ratio Lower Upper

146 100

111 40.9 34.2 51.2

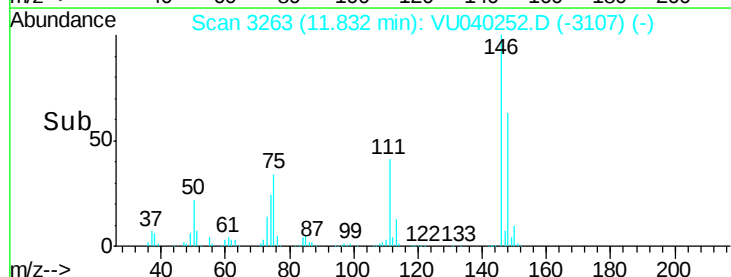
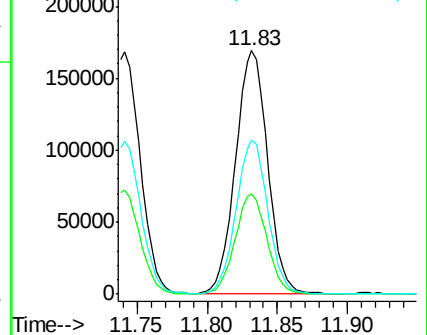
148 62.6 50.2 75.2

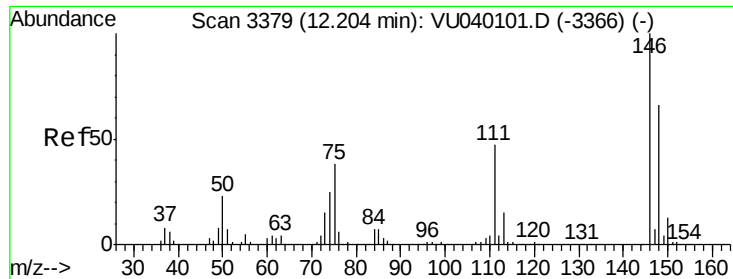


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

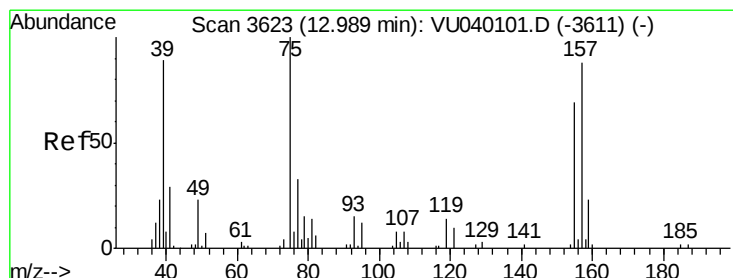
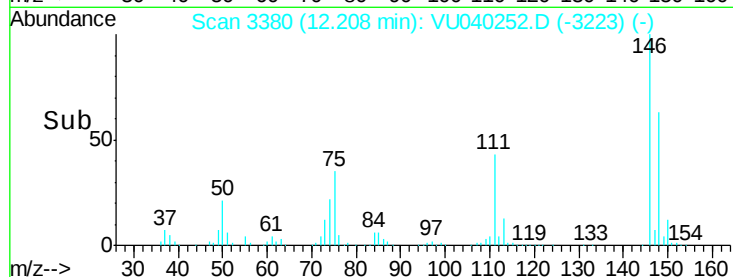
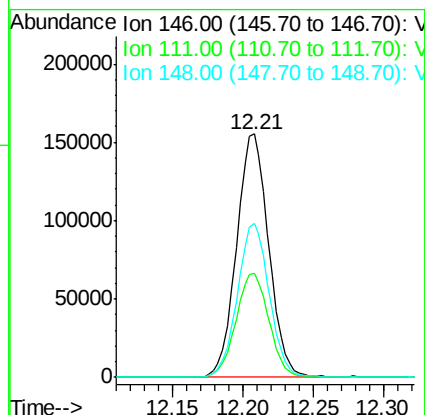
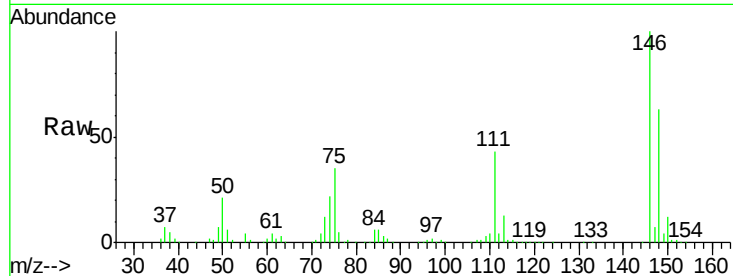




#85
 1,2-Dichlorobenzene
 Concen: 11.141 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

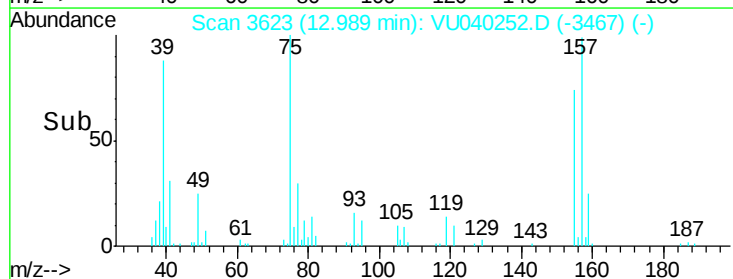
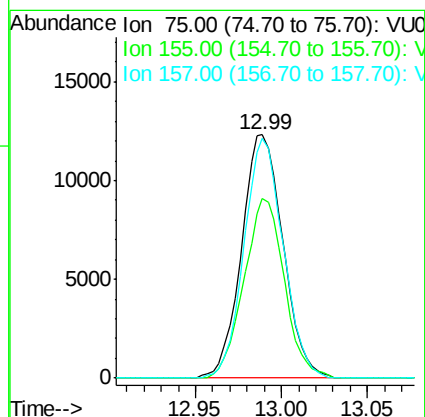
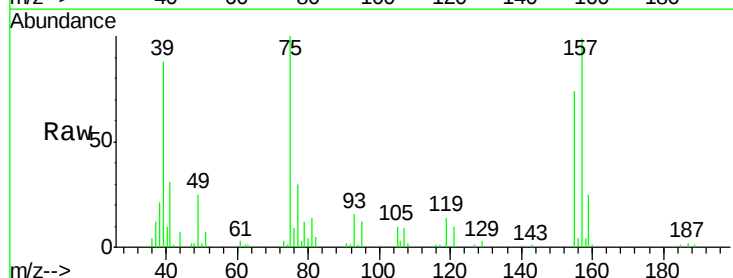
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

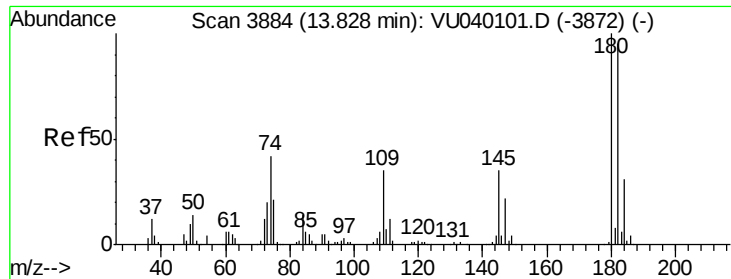
Tot Ion:146 Resp: 247938
 Ion Ratio Lower Upper
 146 100
 111 43.9 22.9 68.7
 148 63.0 31.1 93.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.993 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Tgt Ion: 75 Resp: 20636
 Ion Ratio Lower Upper
 75 100
 155 71.8 53.4 80.0
 157 92.9 65.8 98.8

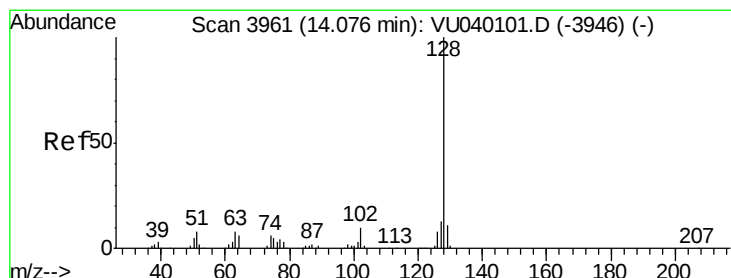
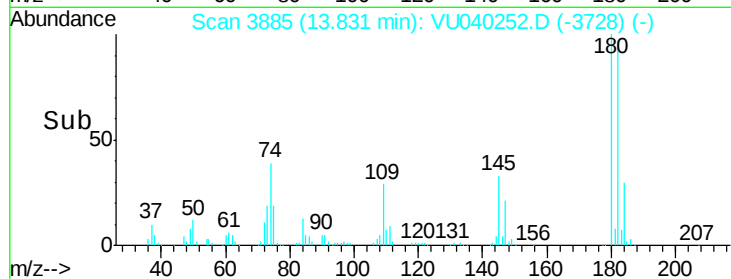
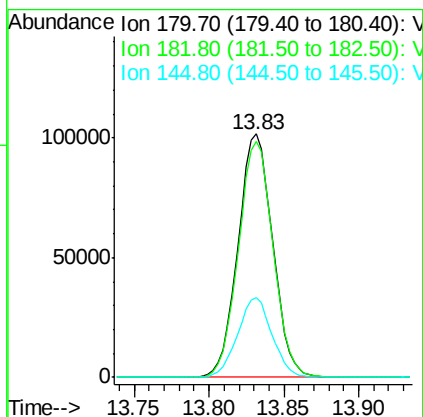
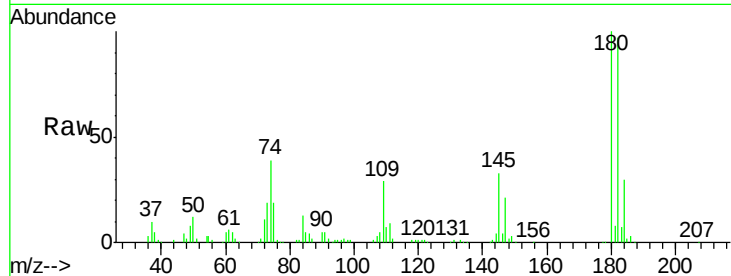




#87
 1,2,4-Trichlorobenzene
 Concen: 12.842 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

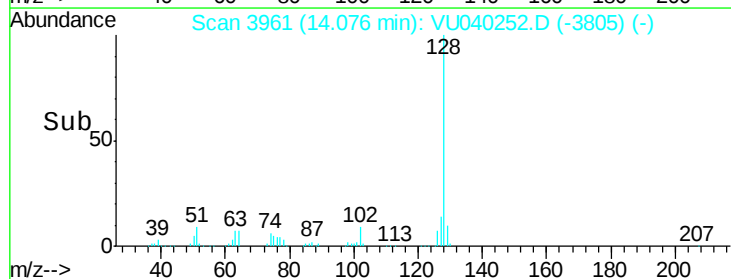
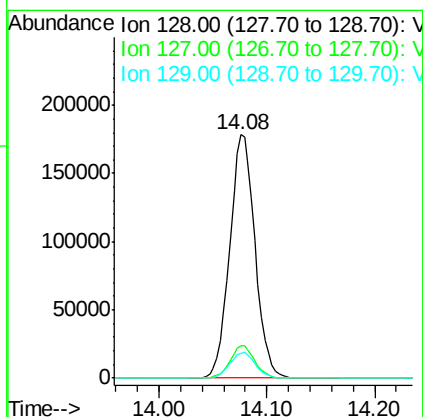
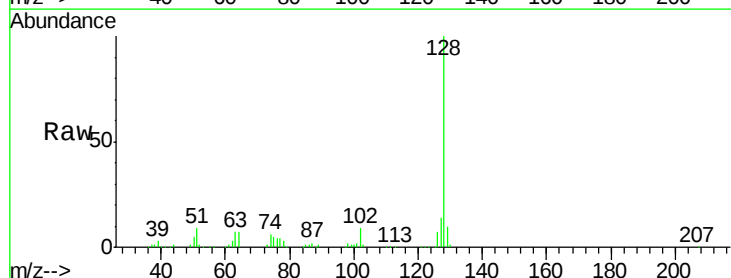
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

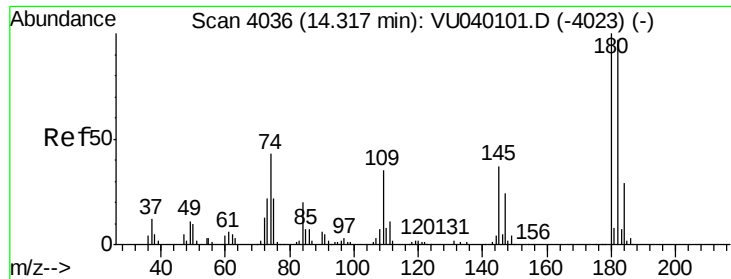
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.0	112.4
145	32.6	27.7	41.5



#89
 Naphthalene
 Concen: 12.347 ug/l
 RT: 14.08 min Scan# 3961
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.3	12.5

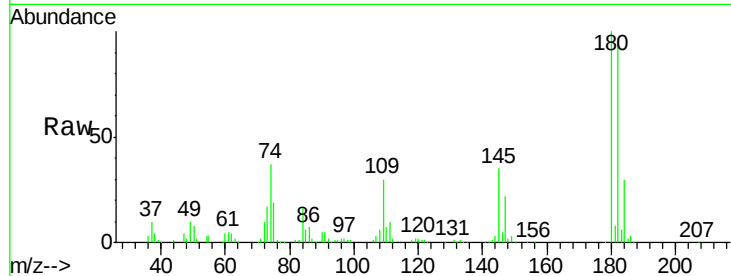




#90
 1,2,3-Trichlorobenzene
 Concen: 12.546 ug/l
 RT: 14.32 min Scan# 4037
 Delta R.T. 0.00 min
 Lab File: VU040252.D
 Acq: 22 Sep 2020 17:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.4	76.0	114.0	
145	34.6	30.6	45.8	



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

