

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091120\
 Data File : VU040098.D
 Acq On : 11 Sep 2020 11:22
 Operator : SY/MD
 Sample : VSTD001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 11 12:57:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 12:55:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	26271	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	10857	1.01	ug/l	0.00
Spiked Amount	1.000		Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	9810	1.00	ug/l	0.00
Spiked Amount	1.000		Recovery	=	100.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	11518	1.544	ug/l 97
3) Chloromethane	1.53	50	9593	1.216	ug/l 93
4) Vinyl Chloride	1.61	62	11050	1.424	ug/l 95
5) Bromomethane	1.86	94	2590	0.448	ug/l 97
6) Chloroethane	1.94	64	6201	1.212	ug/l 99
7) Trichlorofluoromethane	2.15	101	15200	1.305	ug/l 91
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6723	1.000	ug/l 97
9) 1,1-Dichloroethene	2.59	96	4922	0.866	ug/l 85
13) Acetone	2.65	43	18667	10.310	ug/l 94
14) Carbon Disulfide	2.81	76	8905	0.564	ug/l 98
15) Methylene Chloride	3.06	84	10351	1.190	ug/l 93
16) trans-1,2-Dichloroethene	3.38	96	5464	0.886	ug/l 95
17) 1,1-Dichloroethane	3.89	63	13741	1.021	ug/l 98
18) 2-Butanone	4.73	43	26719	9.676	ug/l 97
19) Cyclohexane	5.41	56	7431	0.665	ug/l 98
20) Methylcyclohexane	6.78	83	7228	0.698	ug/l 91
22) cis-1,2-Dichloroethene	4.69	96	6359	0.885	ug/l 99
24) tert-Butyl Alcohol	3.20	59	1229	1.696	ug/l # 70
25) Methyl tert-Butyl Ether	3.38	73	17612	0.929	ug/l 99
26) Bromochloromethane	4.99	128	3336	1.069	ug/l 92
27) Chloroform	5.11	83	14217	1.040	ug/l 100
28) 1,1,1-Trichloroethane	5.34	97	12271	1.033	ug/l 98
30) Carbon Tetrachloride	5.54	117	9392	0.871	ug/l 87
35) Benzene	5.79	78	25981	0.928	ug/l 100
36) 1,2-Dichloroethane	5.81	62	10449	0.959	ug/l # 87
37) Trichloroethene	6.56	130	6411	0.901	ug/l 99
38) 1,2-Dichloropropane	6.81	63	7751	0.956	ug/l # 87
42) 1-Chlorobutane	5.41	56	7431	0.497	ug/l 82
44) Bromodichloromethane	7.11	83	10796	0.960	ug/l 99
45) 4-Methyl-2-Pentanone	7.80	43	60156	9.425	ug/l 95
46) t-1,4-Dichloro-2-butene	10.82	75	6415	2.627	ug/l # 16
47) Methyl methacrylate	6.77	69	1471	0.366	ug/l # 1
49) Toluene	7.98	92	15607	0.922	ug/l 98
50) t-1,3-Dichloropropene	8.21	75	9243	0.911	ug/l 90
51) cis-1,3-Dichloropropene	7.61	75	9507	0.842	ug/l 93
52) 1,1,2-Trichloroethane	8.40	97	6733	1.122	ug/l 92
54) 2-Hexanone	8.69	43	40919	8.843	ug/l 98
55) Dibromochloromethane	8.82	129	6813	0.973	ug/l 97
56) 1,2-Dibromoethane	8.93	107	5769	1.029	ug/l 89
58) Tetrachloroethene	8.56	164	4654	0.674	ug/l 89
59) Chlorobenzene	9.45	112	19173	1.022	ug/l 99

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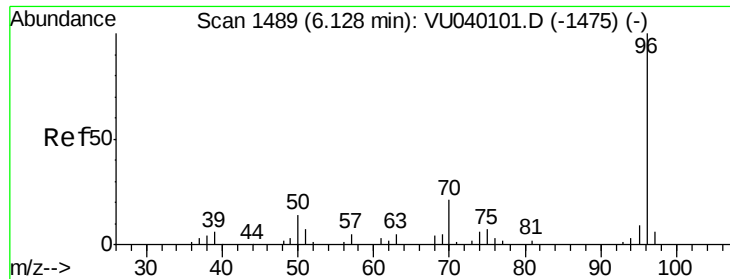
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 11 12:57:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
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 Response via : Initial Calibration

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

63) Ethyl Benzene	9.57	91	28793	0.899	ug/l	94
64) m/p-Xylenes	9.70	106	10866	0.908	ug/l	95
65) o-Xylene	10.10	106	10194	0.883	ug/l	98
66) Styrene	10.11	104	17949	0.885	ug/l	97
67) Bromoform	10.29	173	3556	0.986	ug/l	92
69) Isopropylbenzene	10.48	105	28008	0.881	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.78	83	8092	1.008	ug/l #	97
71) 1,2,3-Trichloropropane	10.82	75	6415	1.030	ug/l	84
73) n-propylbenzene	11.09	120	10747	1.230	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.08	105	22779	0.818	ug/l	98
78) 1,2,4-Trimethylbenzene	11.47	105	22415	0.768	ug/l	99
79) sec-Butylbenzene	11.47	105	22415	0.598	ug/l #	58
80) Nitrobenzene	12.99	77	369	1.147	ug/l #	45
82) 1,3-Dichlorobenzene	11.74	146	15880	0.972	ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	14680	0.904	ug/l	95
85) 1,2-Dichlorobenzene	12.21	146	14696	0.936	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	1275	0.854	ug/l	92
87) 1,2,4-Trichlorobenzene	13.83	180	7638	0.843	ug/l	96
89) Naphthalene	14.08	128	11054	0.626	ug/l	97
90) 1,2,3-Trichlorobenzene	14.32	180	6900	0.817	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 26271

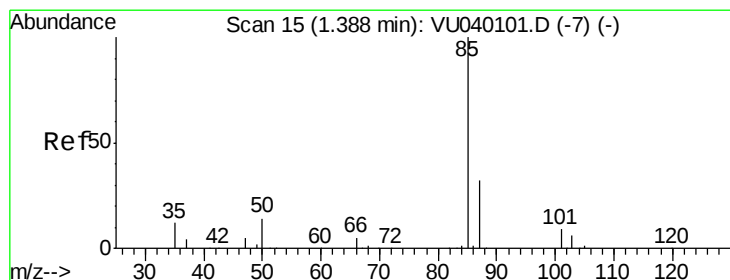
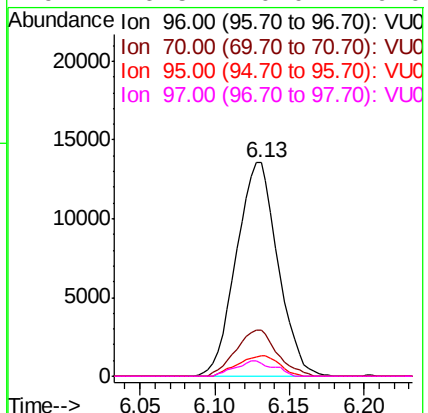
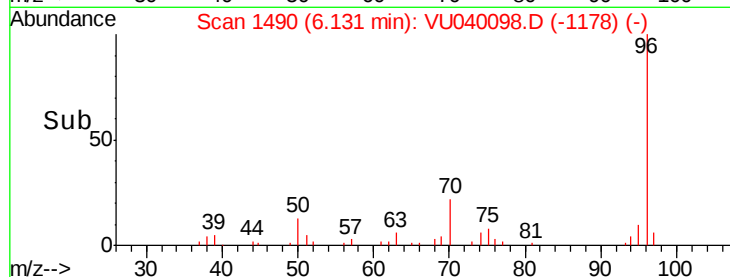
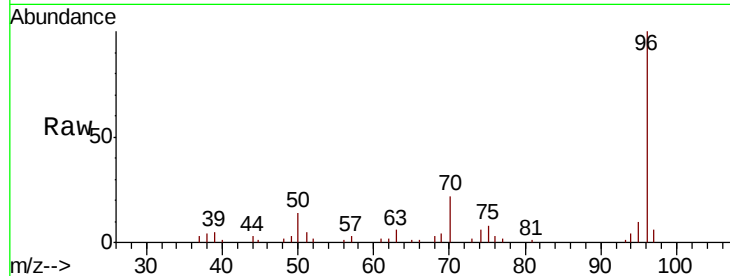
Ion Ratio Lower Upper

96 100

70 21.5 17.1 25.7

95 9.6 7.6 11.4

97 6.5 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.544 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040098.D

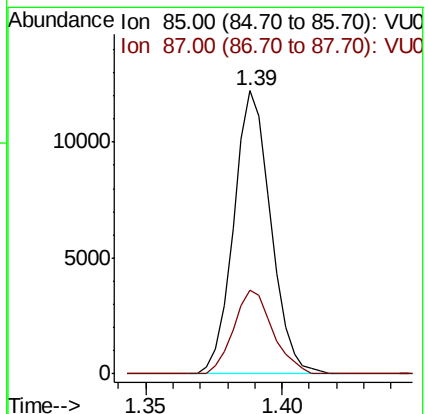
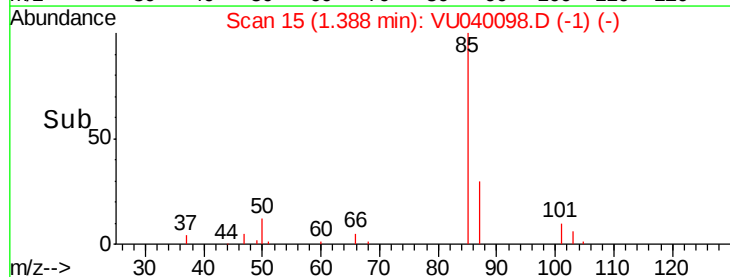
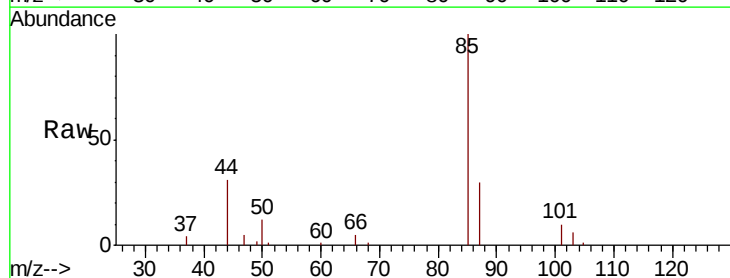
Acq: 11 Sep 2020 11:22

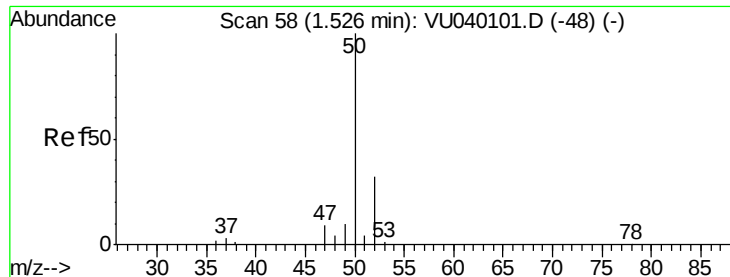
Tgt Ion: 85 Resp: 11518

Ion Ratio Lower Upper

85 100

87 29.7 15.6 46.8





#3

Chloromethane

Concen: 1.216 ug/l

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

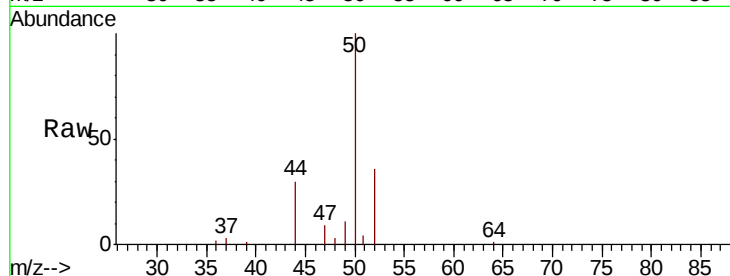
VSTDIC001

Tot Ion: 50 Resp: 9593

Ion Ratio Lower Upper

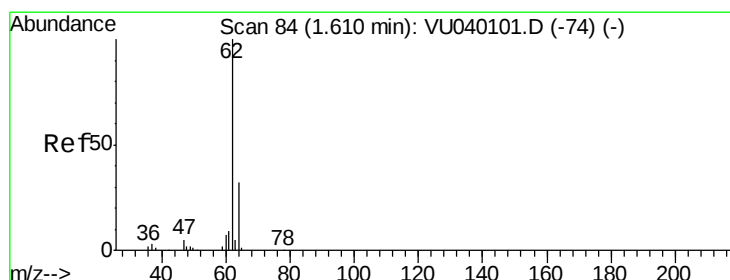
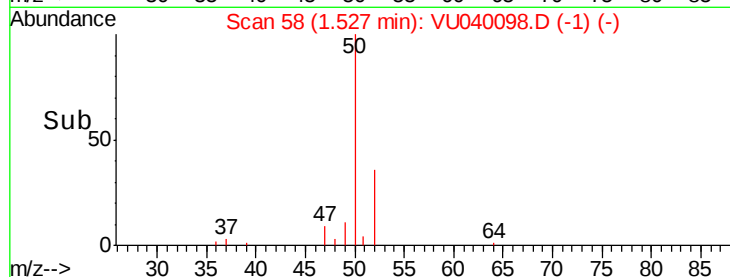
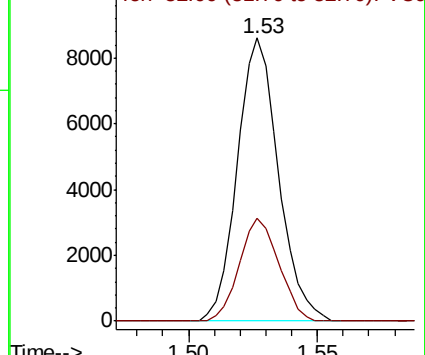
50 100

52 36.2 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VU040098.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU040098.D (-1) (-)



#4

Vinyl Chloride

Concen: 1.424 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040098.D

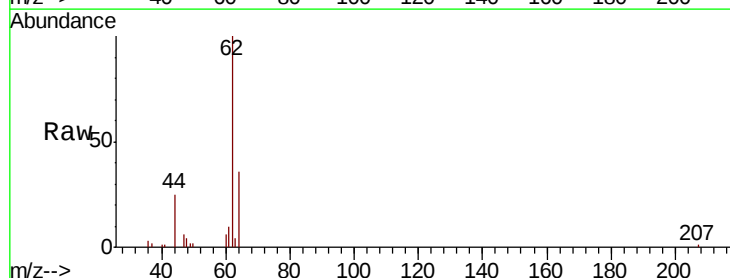
Acq: 11 Sep 2020 11:22

Tgt Ion: 62 Resp: 11050

Ion Ratio Lower Upper

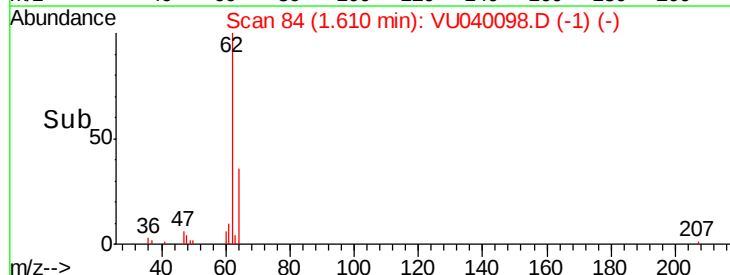
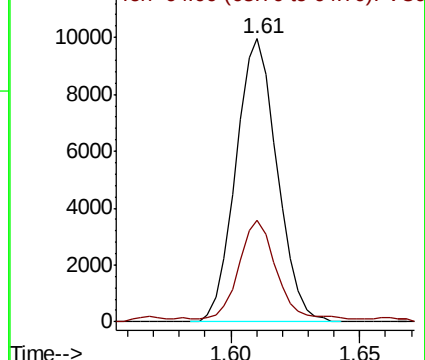
62 100

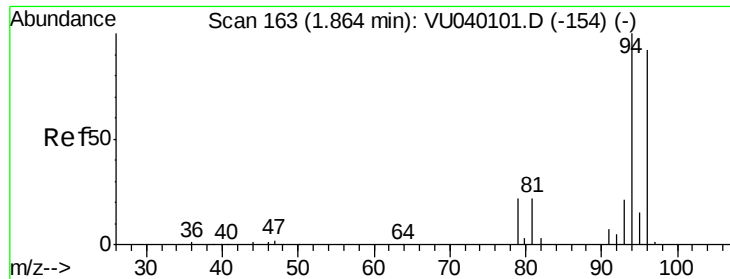
64 34.7 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU040098.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU040098.D (-1) (-)





#5

Bromomethane

Concen: 0.448 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

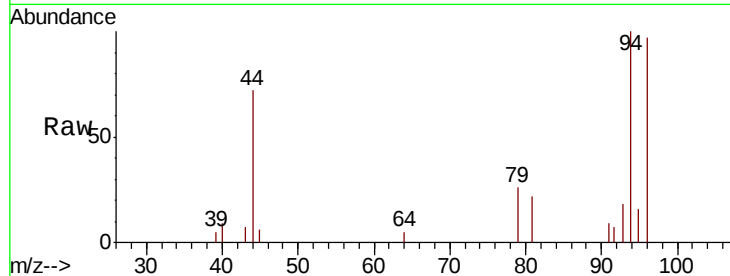
VSTDIC001

Tot Ion: 94 Resp: 2590

Ion Ratio Lower Upper

94 100

96 96.8 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VU040101.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040101.D (-154) (-)

1.86

2500

2000

1500

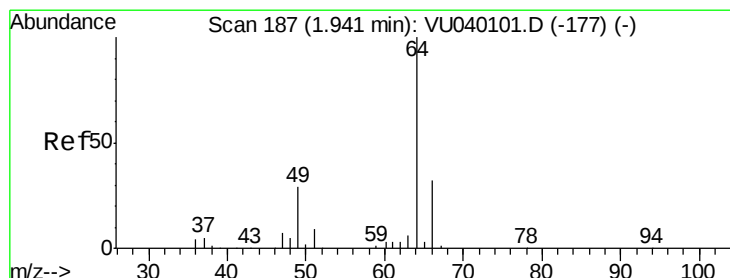
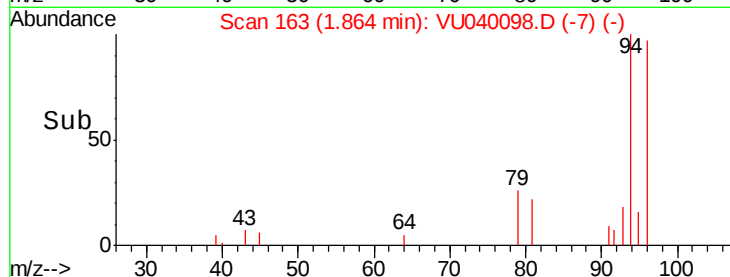
1000

500

0

1.82 1.84 1.86 1.88 1.90

Time-->



#6

Chloroethane

Concen: 1.212 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040098.D

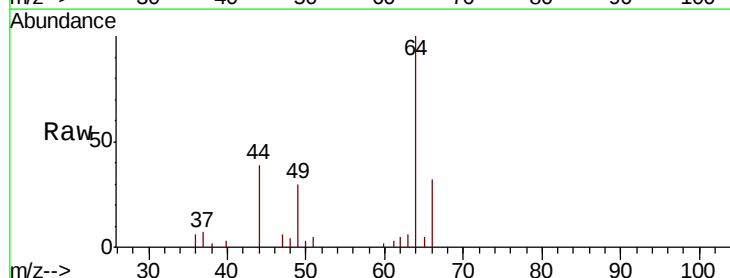
Acq: 11 Sep 2020 11:22

Tgt Ion: 64 Resp: 6201

Ion Ratio Lower Upper

64 100

66 32.8 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU040101.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU040101.D (-177) (-)

1.94

6000

5000

4000

3000

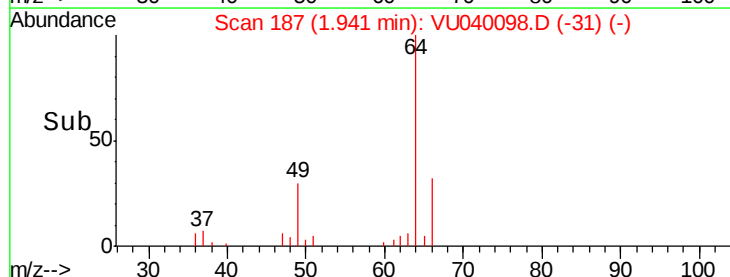
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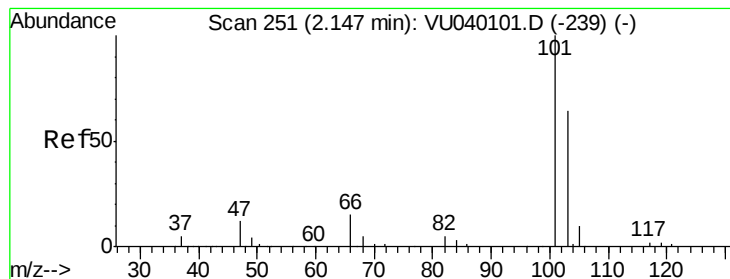
1000

0

1.90 1.95

Time-->



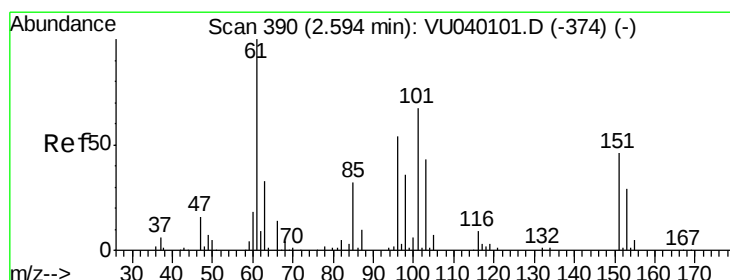
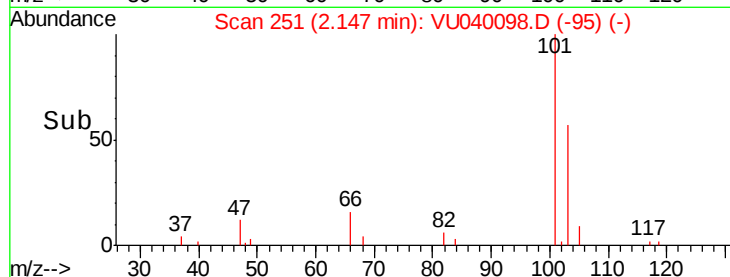
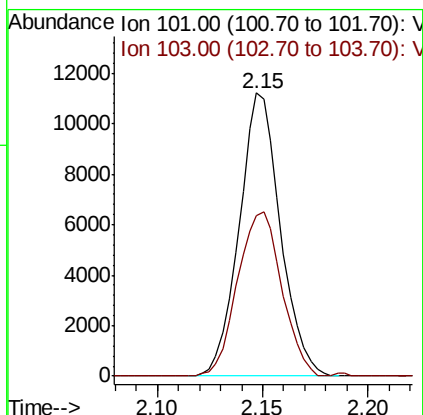
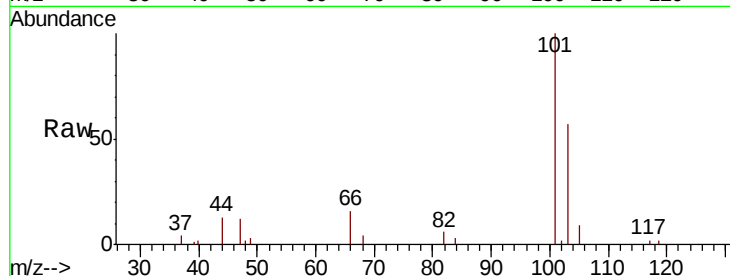


#7

Trichlorofluoromethane
 Concen: 1.305 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

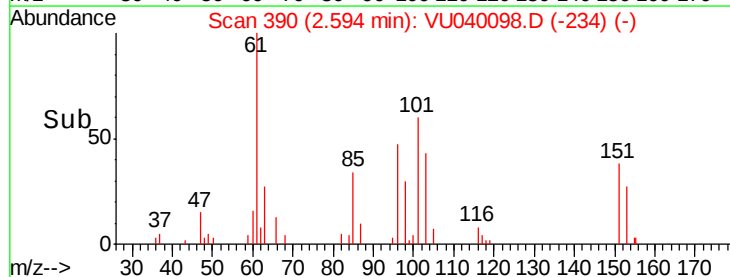
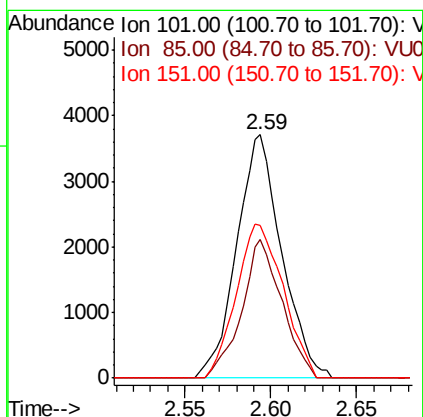
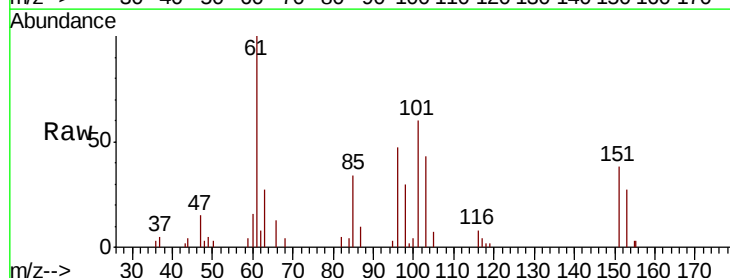
Tot Ion:101 Resp: 15200
 Ion Ratio Lower Upper
 101 100
 103 56.8 50.8 76.2

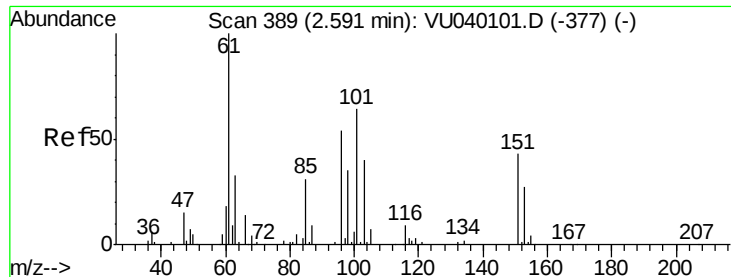


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.000 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Tgt Ion:101 Resp: 6723
 Ion Ratio Lower Upper
 101 100
 85 50.8 38.5 57.7
 151 65.9 54.6 81.8





#9

1,1-Dichloroethene

Concen: 0.866 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

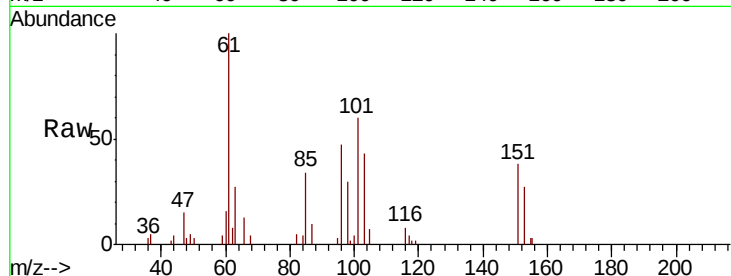
Tot Ion: 96 Resp: 4922

Ion Ratio Lower Upper

96 100

61 213.4 0.0 557.1

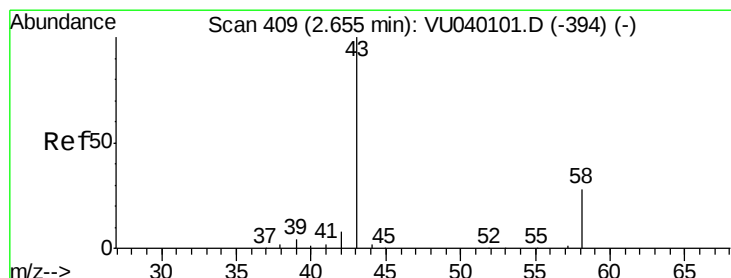
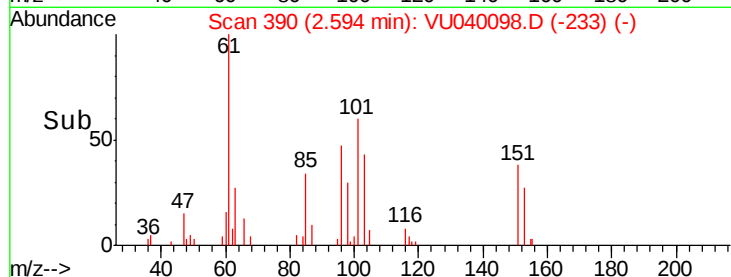
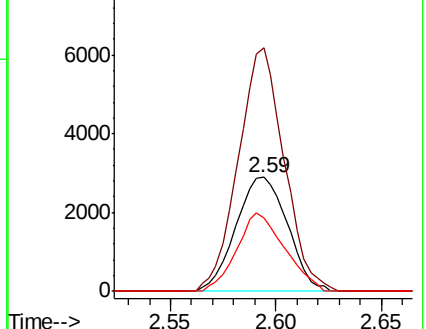
98 64.5 0.0 125.6



Abundance Ion 96.00 (95.70 to 96.70): VU040098.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VU040098.D (-233) (-)

Ion 98.00 (97.70 to 98.70): VU040098.D (-233) (-)



#13

Acetone

Concen: 10.310 ug/l

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU040098.D

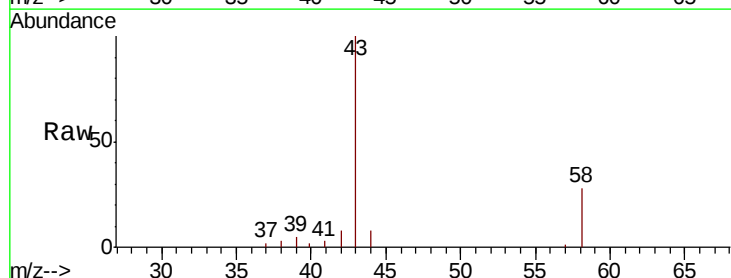
Acq: 11 Sep 2020 11:22

Tgt Ion: 43 Resp: 18667

Ion Ratio Lower Upper

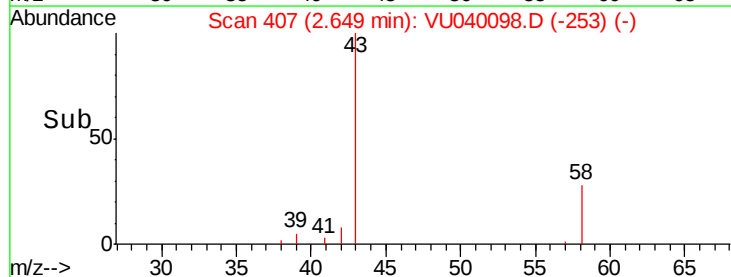
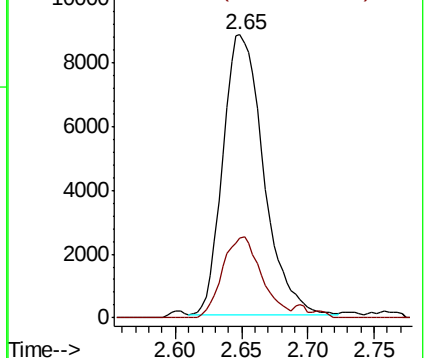
43 100

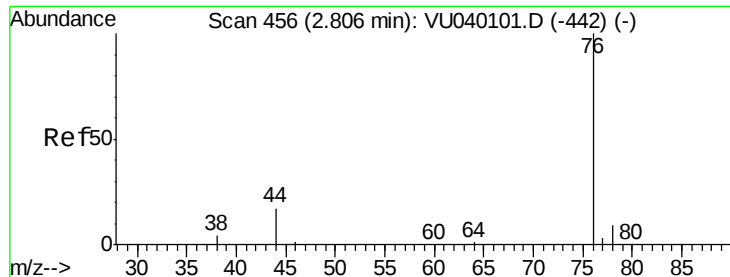
58 28.7 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VU040098.D (-253) (-)

Ion 58.00 (57.70 to 58.70): VU040098.D (-253) (-)





#14

Carbon Disulfide

Concen: 0.564 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

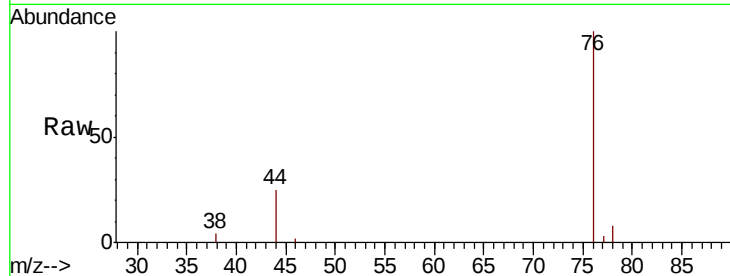
VSTDIC001

Tot Ion: 76 Resp: 8905

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU040098.D (-300) (-)

Ion 78.00 (77.70 to 78.70): VU040098.D (-300) (-)

2.81

6000

5000

4000

3000

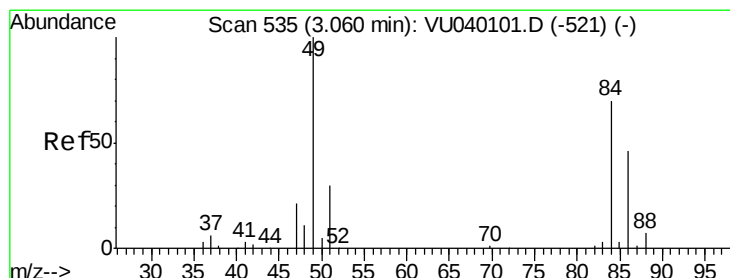
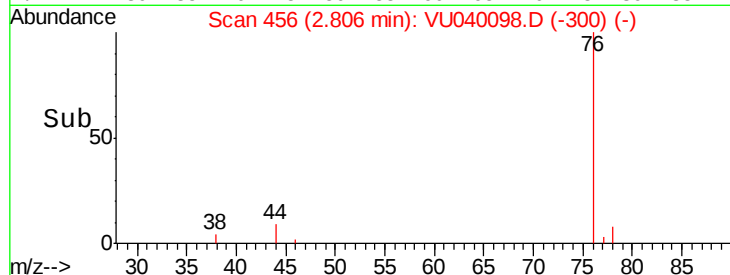
2000

1000

0

Time-->

2.75 2.80 2.85



#15

Methylene Chloride

Concen: 1.190 ug/l

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Tgt Ion: 84 Resp: 10351

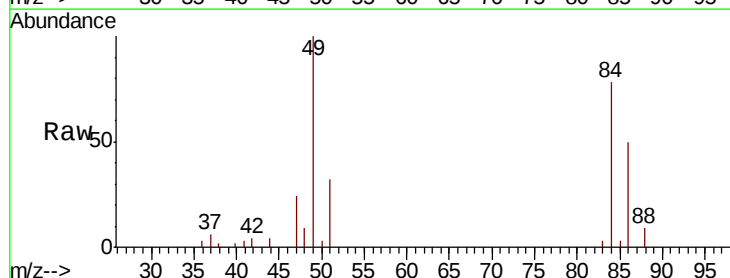
Ion Ratio Lower Upper

84 100

49 128.1 114.3 171.5

51 41.0 0.0 84.6

86 63.4 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VU040098.D (-379) (-)

Ion 49.00 (48.70 to 49.70): VU040098.D (-379) (-)

Ion 51.00 (50.70 to 51.70): VU040098.D (-379) (-)

Ion 86.00 (85.70 to 86.70): VU040098.D (-379) (-)

10000

8000

6000

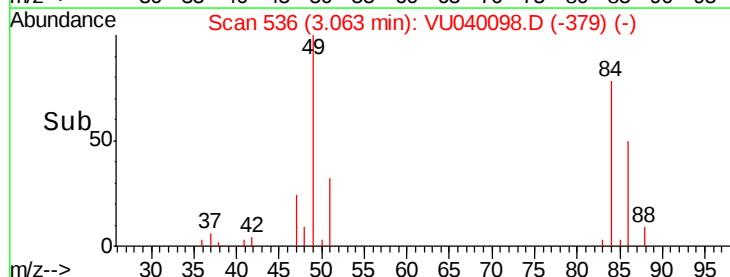
4000

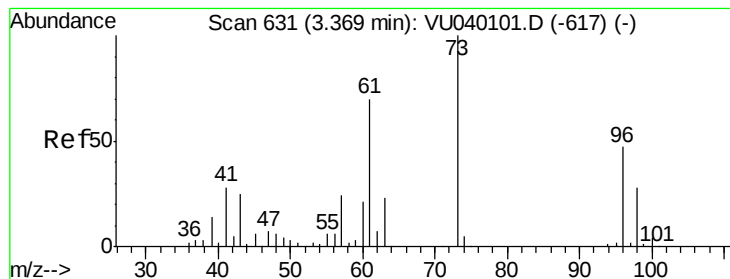
2000

0

Time-->

3.00 3.05 3.10





#16

trans-1,2-Dichloroethene

Concen: 0.886 ug/l

RT: 3.38 min Scan# 633

Delta R.T. 0.01 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

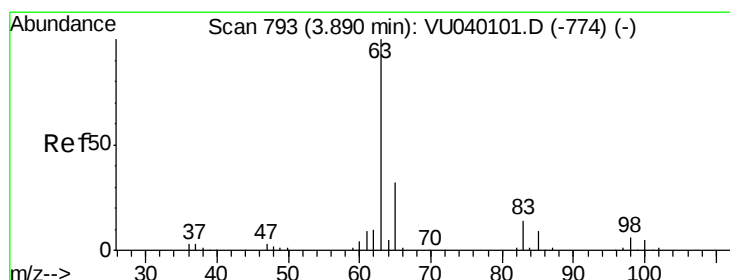
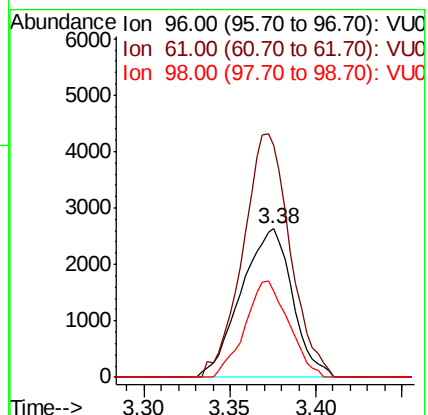
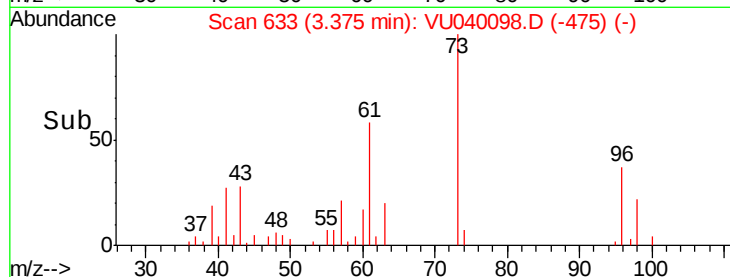
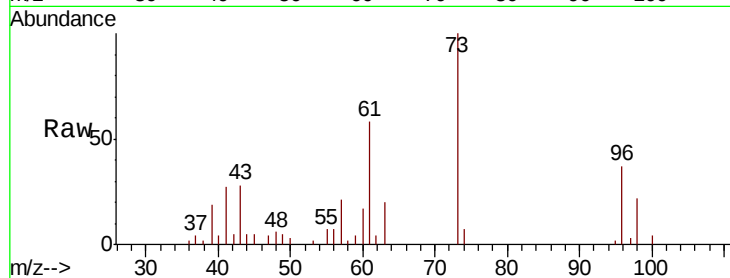
Tot Ion: 96 Resp: 5464

Ion Ratio Lower Upper

96 100

61 156.6 121.4 182.0

98 58.4 51.9 77.9



#17

1,1-Dichloroethane

Concen: 1.021 ug/l

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

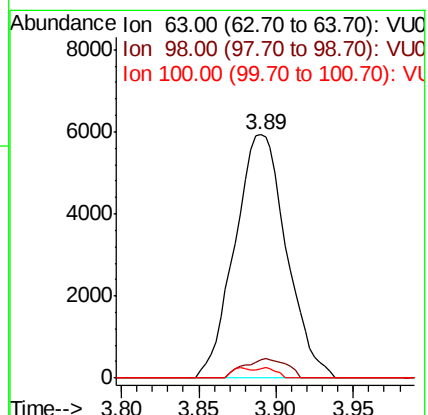
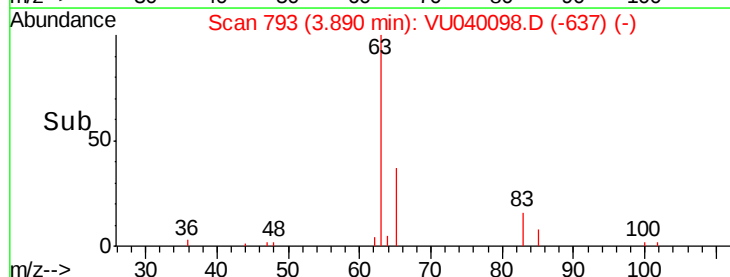
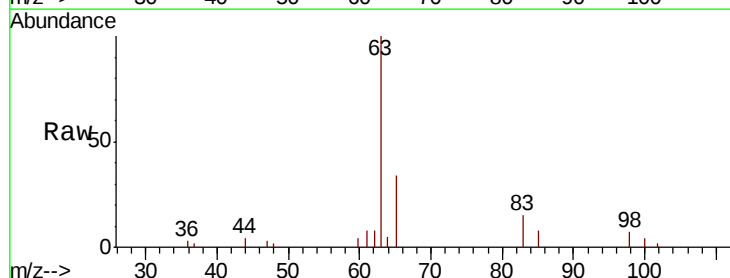
Tgt Ion: 63 Resp: 13741

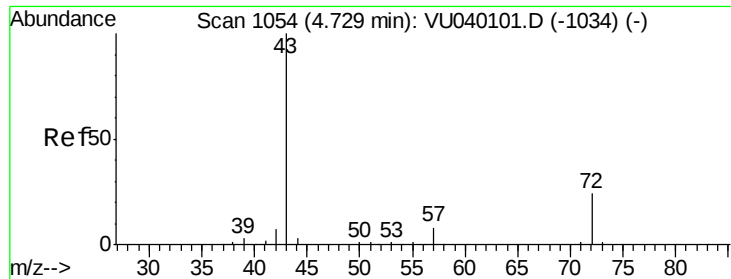
Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.4

100 4.0 2.0 5.8

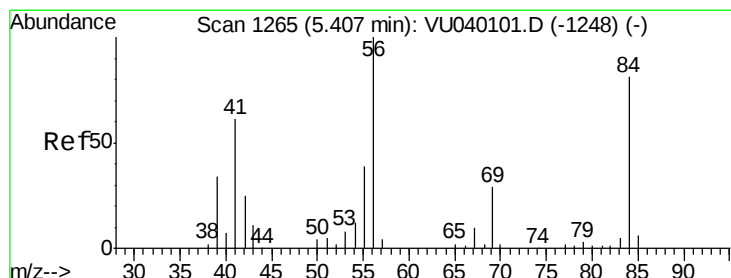
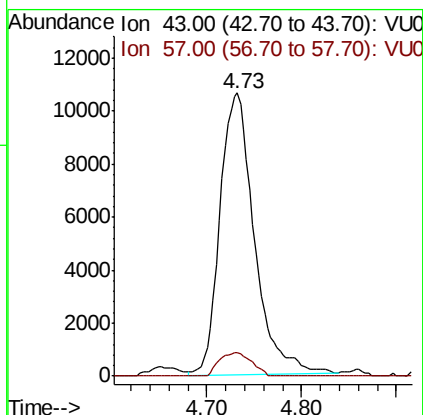
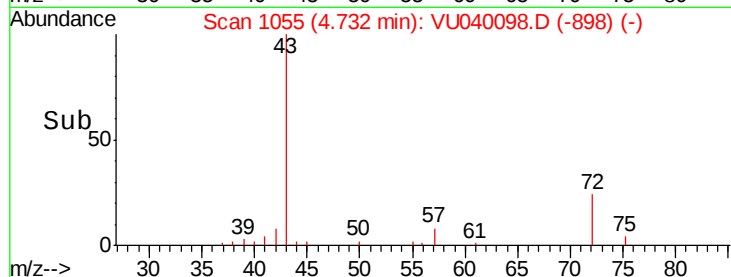
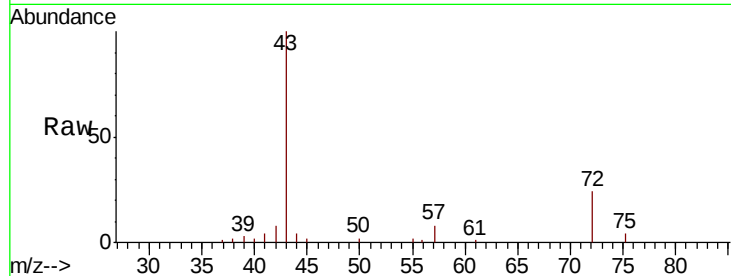




#18
2-Butanone
Concen: 9.676 ug/l
RT: 4.73 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

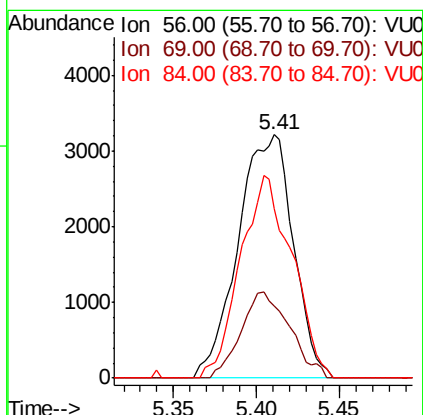
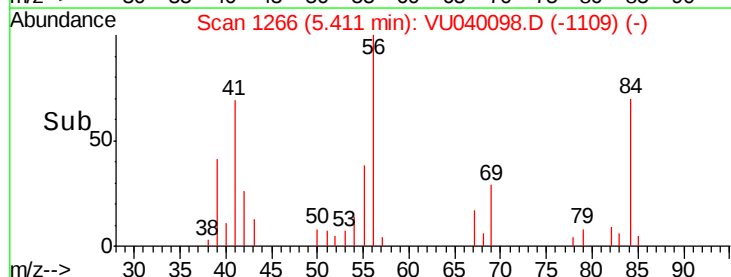
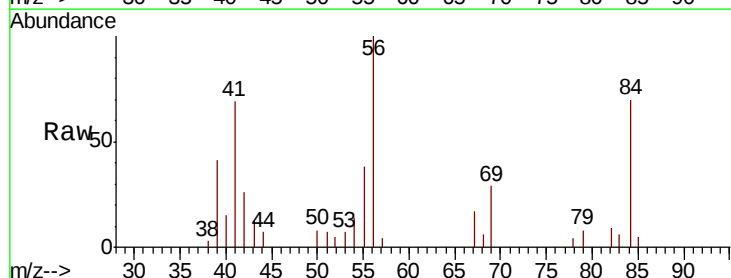
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

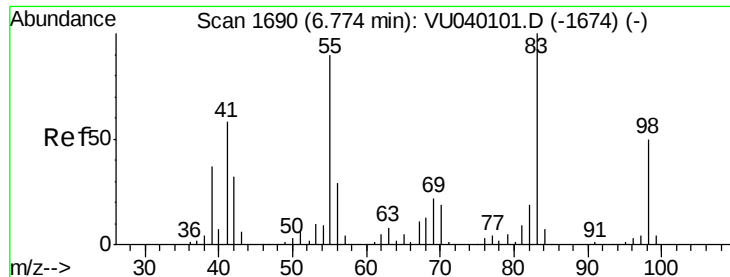
Tot Ion: 43 Resp: 26719
Ion Ratio Lower Upper
43 100
57 8.6 0.0 15.2



#19
Cyclohexane
Concen: 0.665 ug/l
RT: 5.41 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

Tgt Ion: 56 Resp: 7431
Ion Ratio Lower Upper
56 100
69 31.2 23.5 35.3
84 77.8 63.8 95.6





#20

Methylcyclohexane

Concen: 0.698 ug/l

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

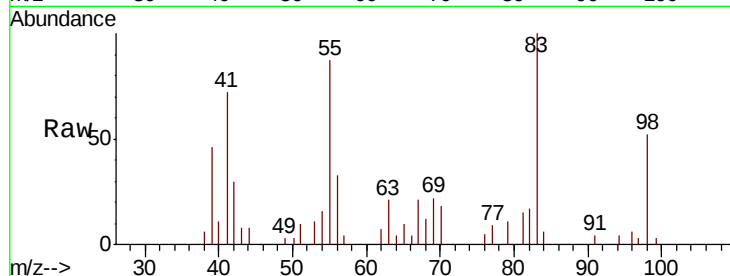
Tot Ion: 83 Resp: 7228

Ion Ratio Lower Upper

83 100

55 95.3 69.4 104.2

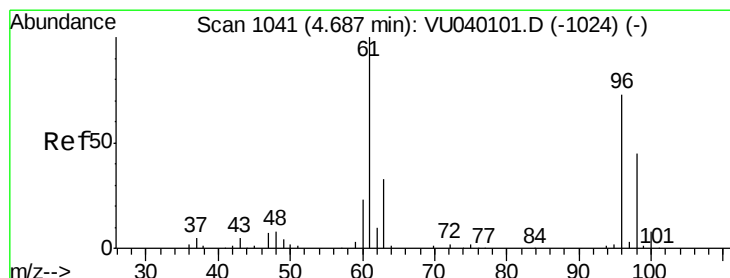
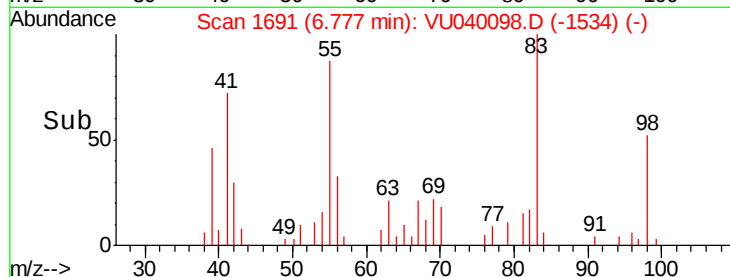
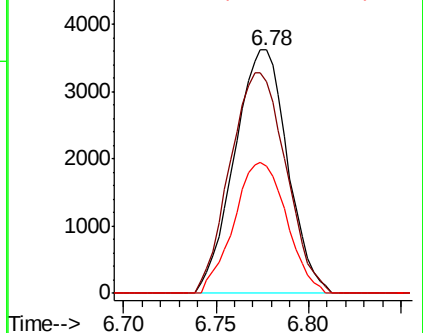
98 53.2 37.5 56.3



Abundance Ion 83.00 (82.70 to 83.70): VU040101.D (-1674) (-)

Ion 55.00 (54.70 to 55.70): VU040101.D (-1674) (-)

Ion 98.00 (97.70 to 98.70): VU040101.D (-1674) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.885 ug/l

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

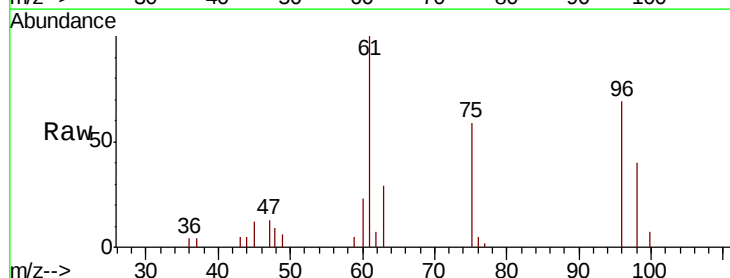
Tgt Ion: 96 Resp: 6359

Ion Ratio Lower Upper

96 100

61 167.4 0.0 420.0

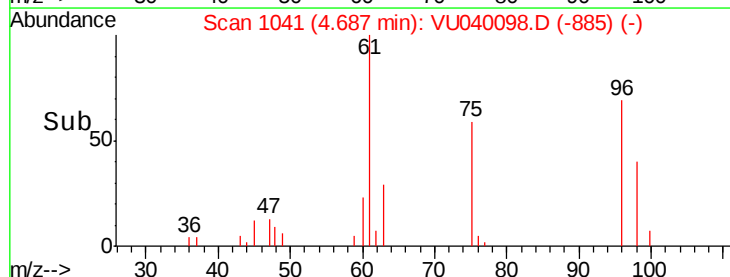
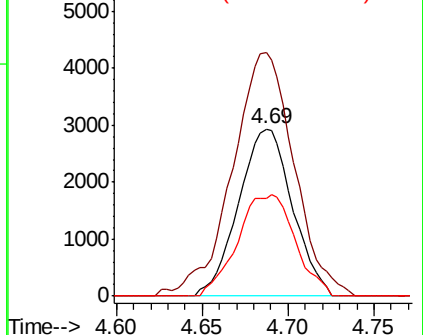
98 64.9 31.8 95.3

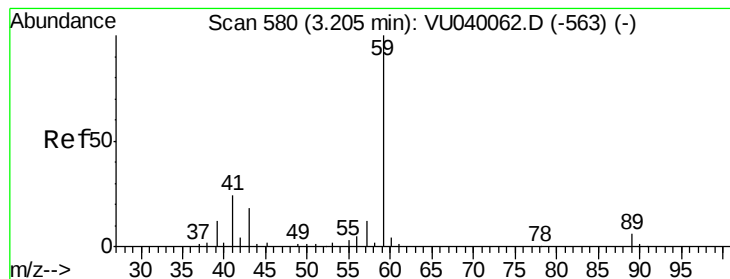


Abundance Ion 96.00 (95.70 to 96.70): VU040101.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VU040101.D (-1024) (-)

Ion 98.00 (97.70 to 98.70): VU040101.D (-1024) (-)





#24

tert-Butyl Alcohol

Concen: 1.696 ug/l

RT: 3.20 min Scan# 579

Delta R.T. -0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

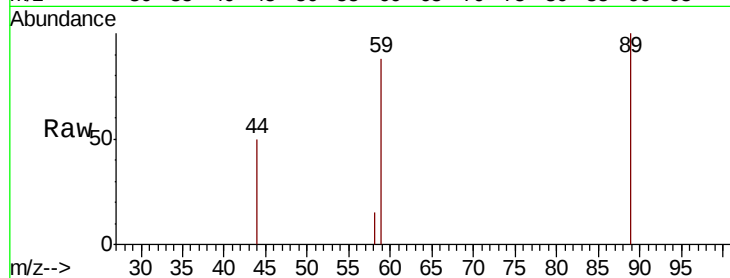
VSTDIC001

Tot Ion: 59 Resp: 1229

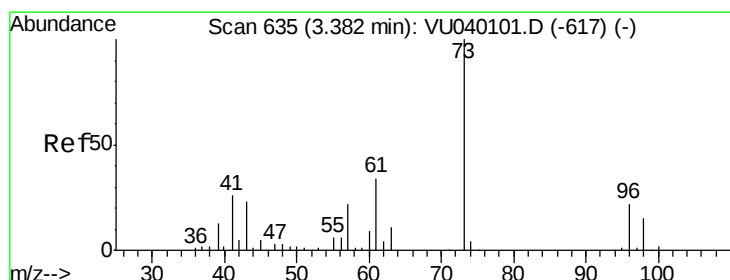
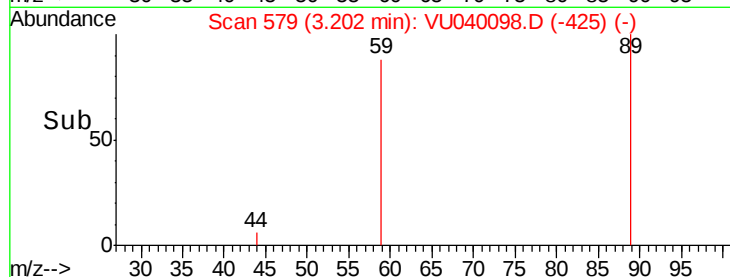
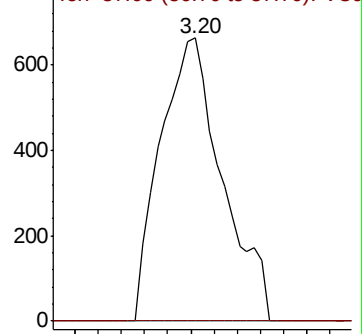
Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VU040062.D (-563) (-)



#25

Methyl tert-Butyl Ether

Concen: 0.929 ug/l

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040098.D

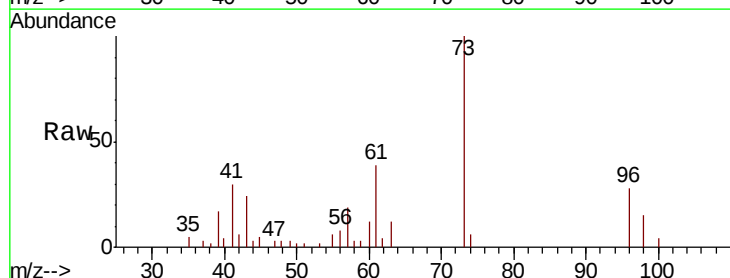
Acq: 11 Sep 2020 11:22

Tgt Ion: 73 Resp: 17612

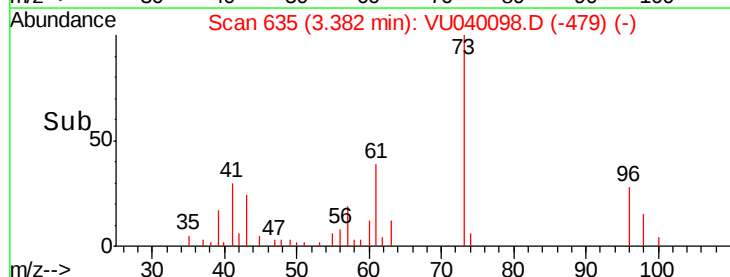
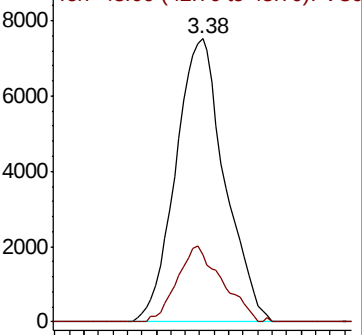
Ion Ratio Lower Upper

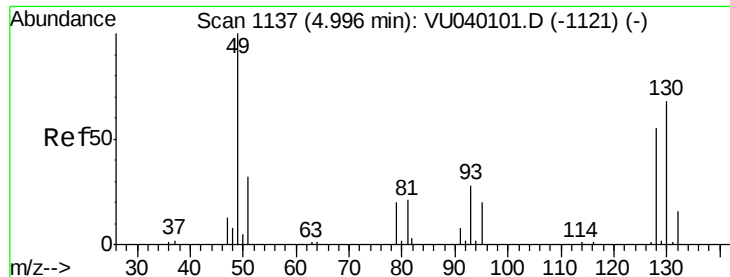
73 100

43 24.5 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU040101.D (-617) (-)

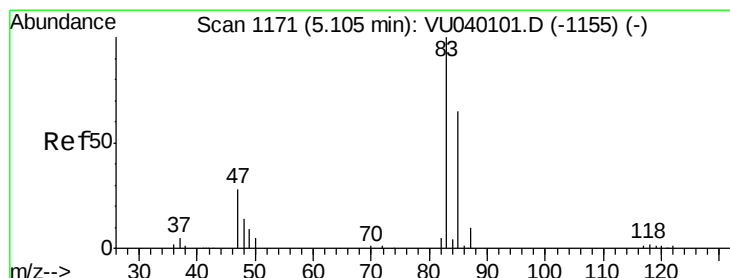
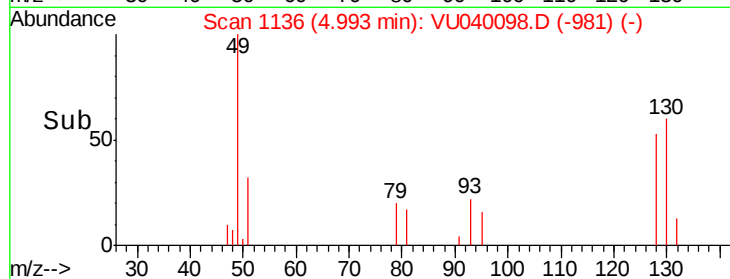
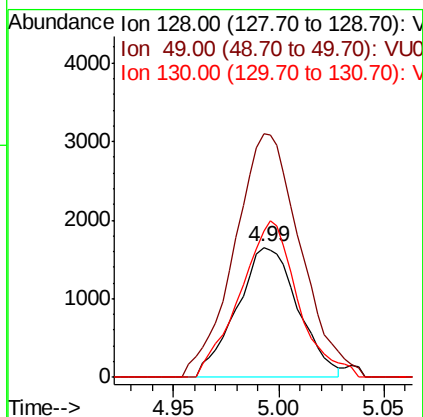
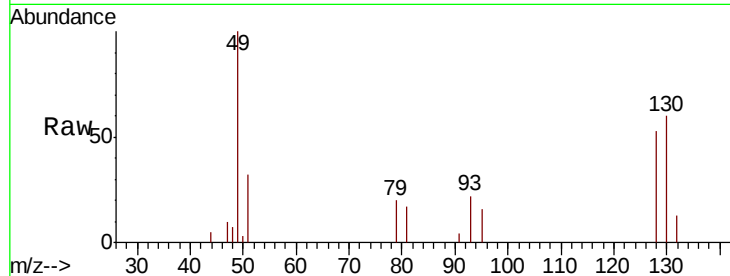




#26
Bromochloromethane
Concen: 1.069 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

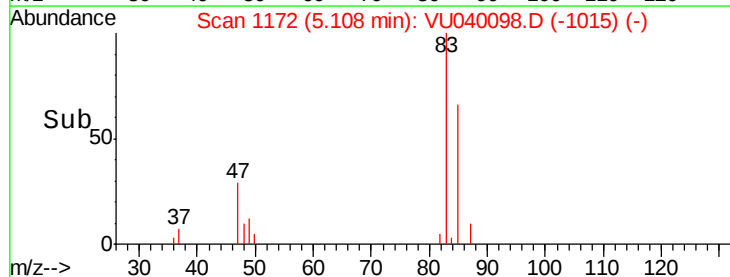
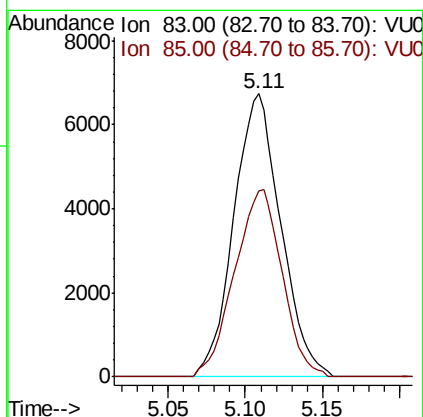
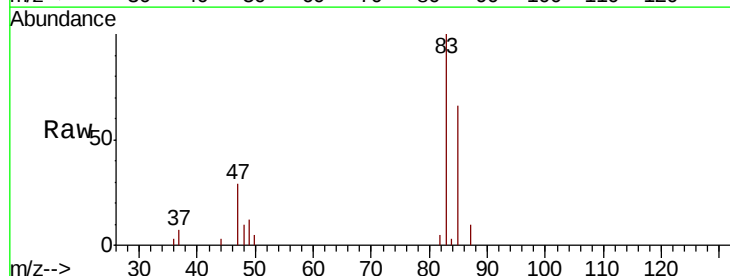
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

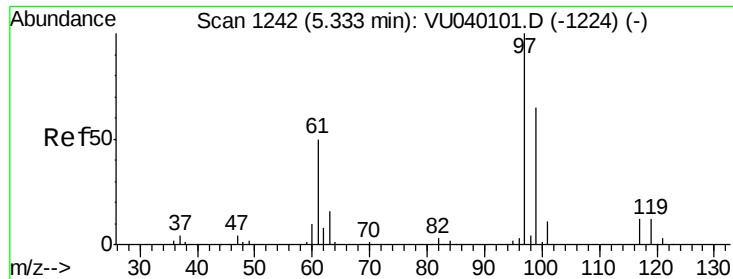
Tot Ion:128 Resp: 3336
Ion Ratio Lower Upper
128 100
49 201.6 0.0 390.6
130 114.2 104.9 157.3



#27
Chloroform
Concen: 1.040 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

Tgt Ion: 83 Resp: 14217
Ion Ratio Lower Upper
83 100
85 65.8 0.0 132.4

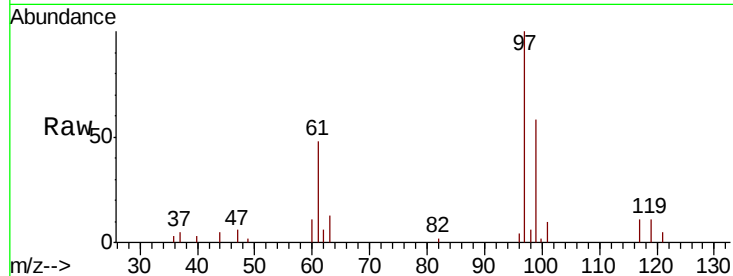




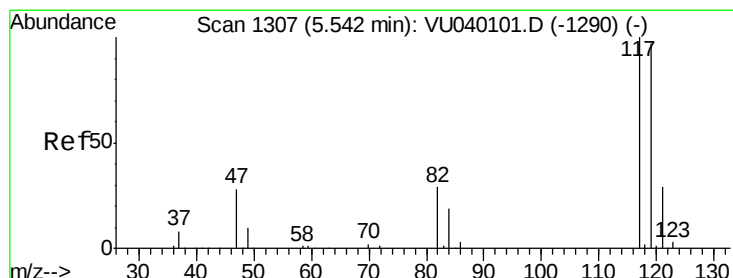
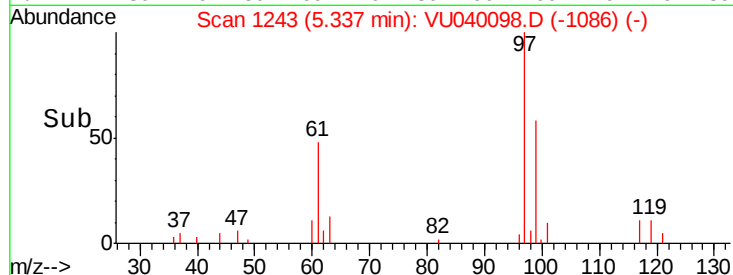
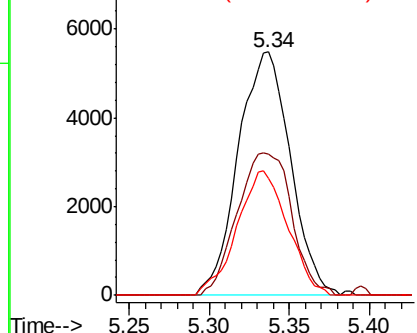
#28
 1,1,1-Trichloroethane
 Concen: 1.033 ug/l
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 97 Resp: 12271
 Ion Ratio Lower Upper
 97 100
 99 61.2 31.8 95.4
 61 49.5 25.1 75.2

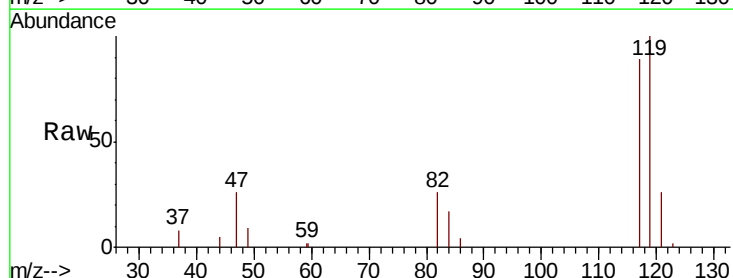


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0

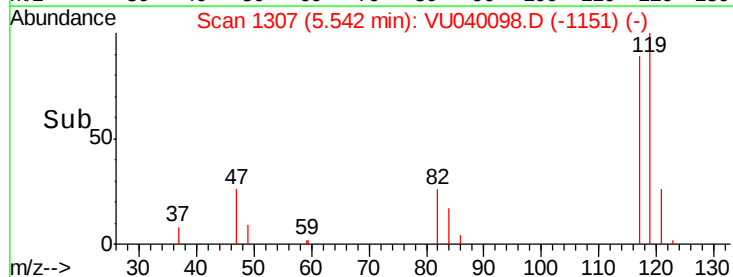
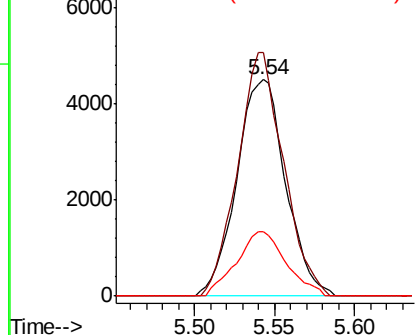


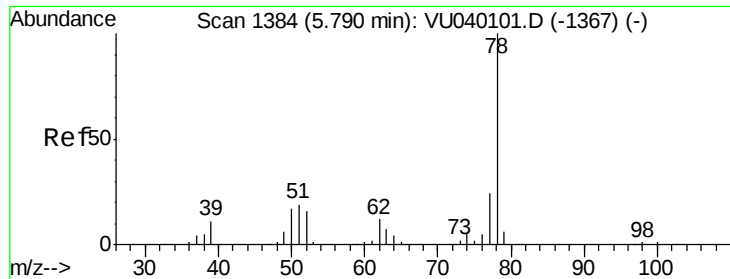
#30
 Carbon Tetrachloride
 Concen: 0.871 ug/l
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Tgt Ion: 117 Resp: 9392
 Ion Ratio Lower Upper
 117 100
 119 112.3 77.0 115.4
 121 29.5 24.2 36.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V





#35

Benzene

Concen: 0.928 ug/l

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

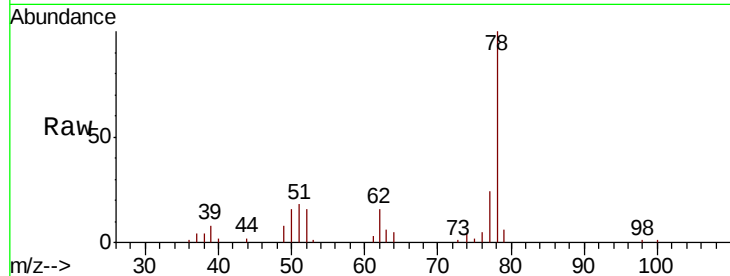
VSTDIC001

Tot Ion: 78 Resp: 25981

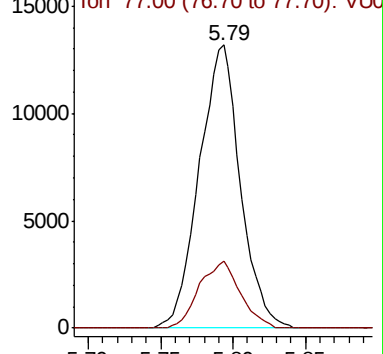
Ion Ratio Lower Upper

78 100

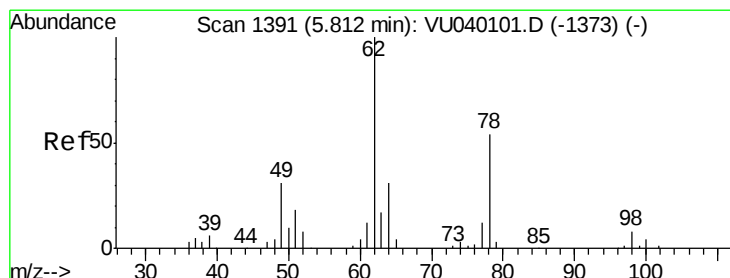
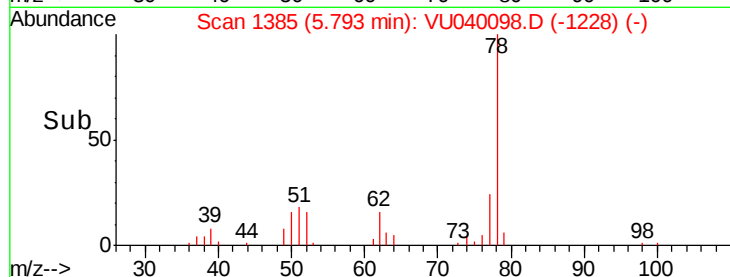
77 23.8 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU040101.D (-1367) (-)



Time-->



#36

1,2-Dichloroethane

Concen: 0.959 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040098.D

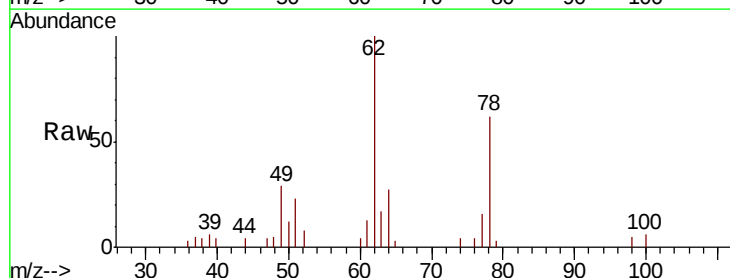
Acq: 11 Sep 2020 11:22

Tgt Ion: 62 Resp: 10449

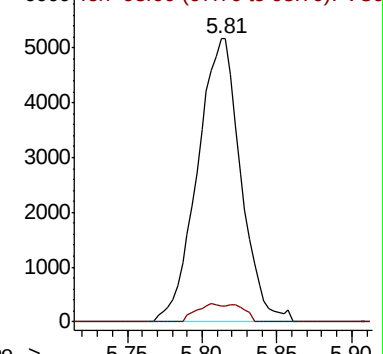
Ion Ratio Lower Upper

62 100

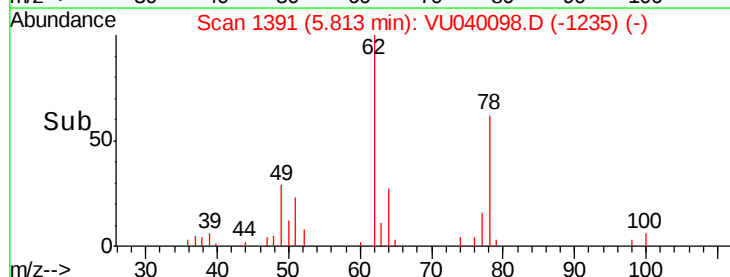
98 3.7 6.5 9.7#

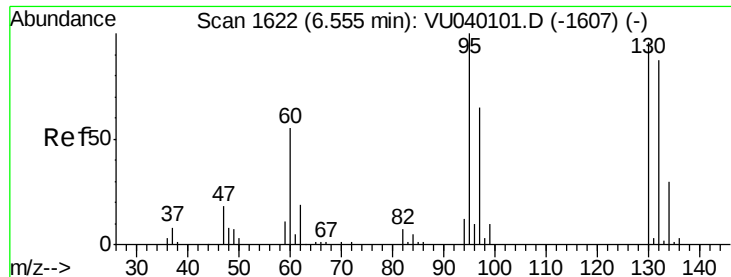


Abundance Ion 62.00 (61.70 to 62.70): VU040101.D (-1373) (-)



Time-->

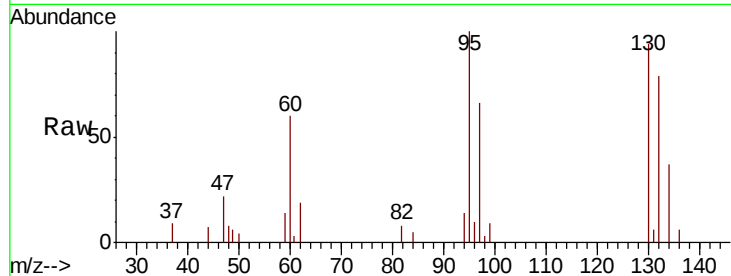




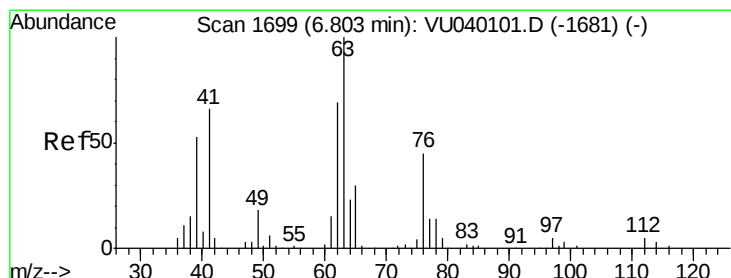
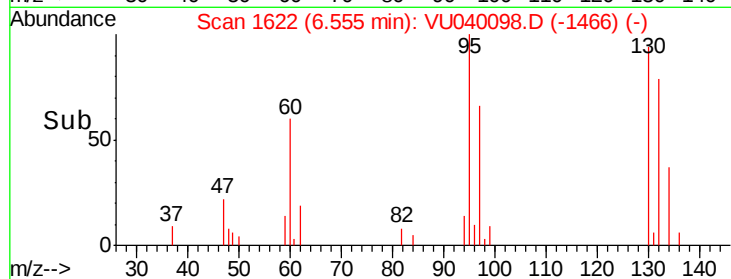
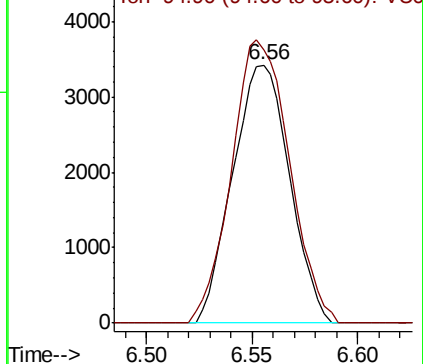
#37
 Trichloroethene
 Concen: 0.901 ug/l
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 6411
 Ion Ratio Lower Upper
 130 100
 95 105.9 84.2 126.2

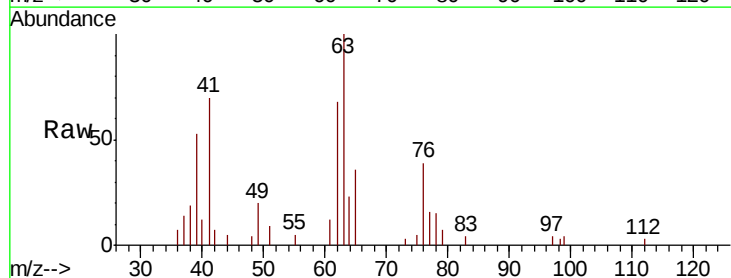


Abundance Ion 129.90 (129.60 to 130.60): VU040101.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU040101.D (-1607) (-)

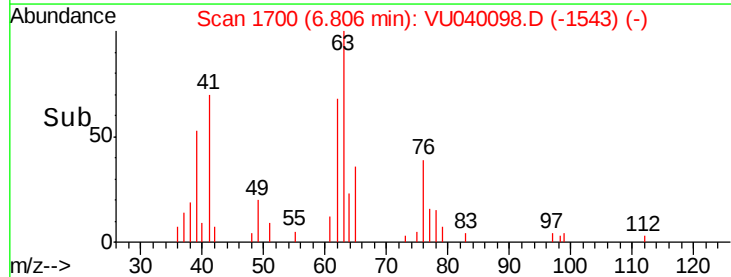
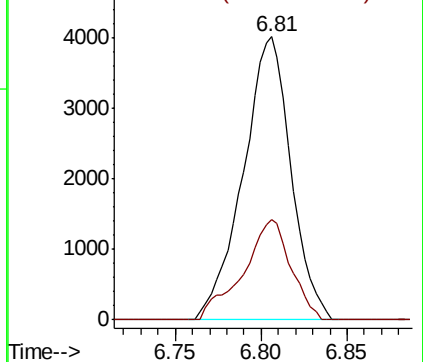


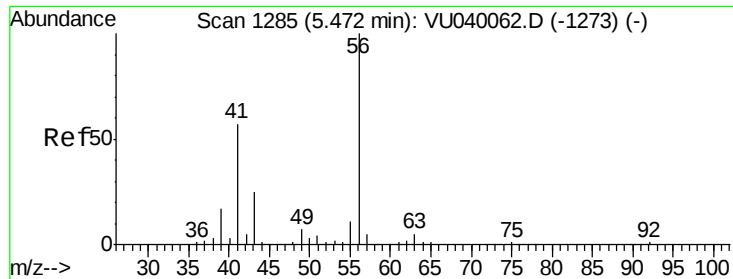
#38
 1,2-Dichloropropane
 Concen: 0.956 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Tgt Ion: 63 Resp: 7751
 Ion Ratio Lower Upper
 63 100
 65 35.6 23.0 34.6#



Abundance Ion 63.00 (62.70 to 63.70): VU040101.D (-1681) (-)
 Ion 65.00 (64.70 to 65.70): VU040101.D (-1681) (-)

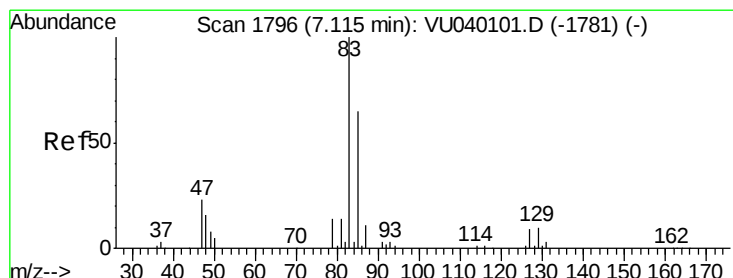
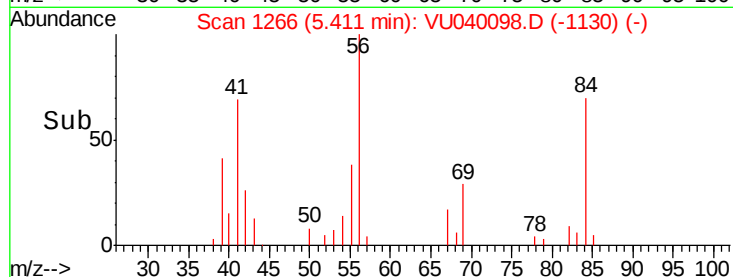
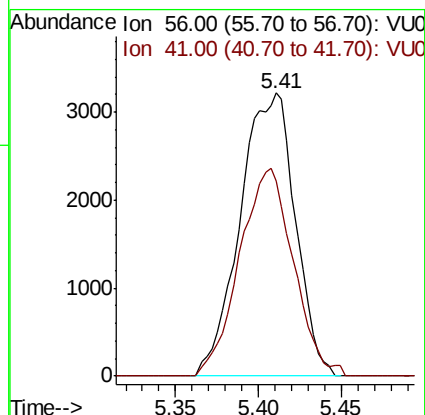
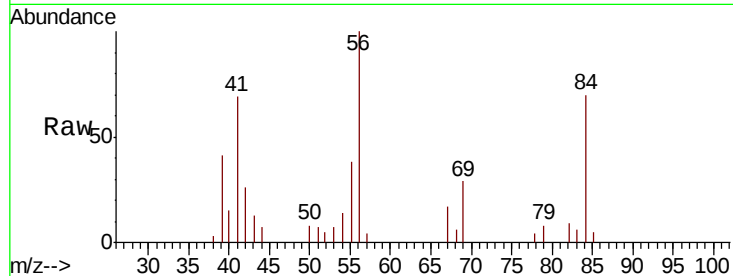




#42
1-Chlorobutane
Concen: 0.497 ug/l
RT: 5.41 min Scan# 1266
Delta R.T. -0.06 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

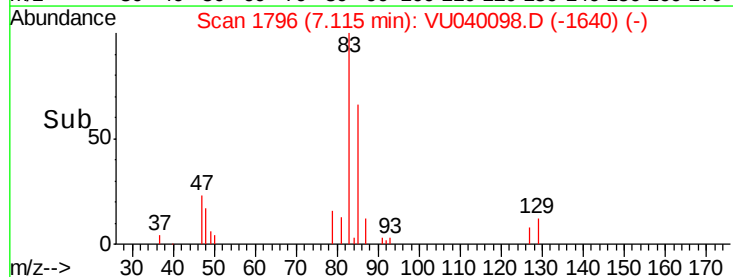
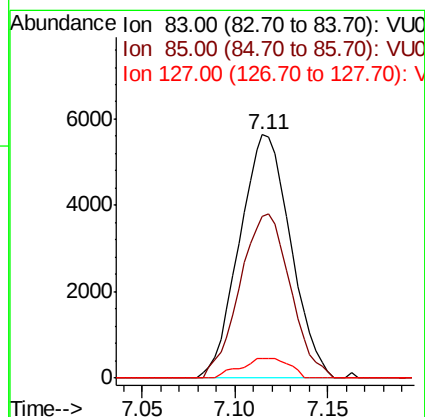
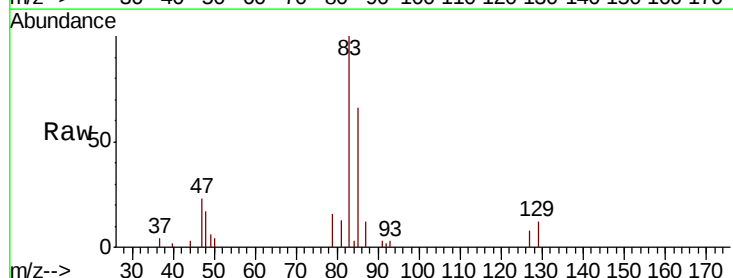
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

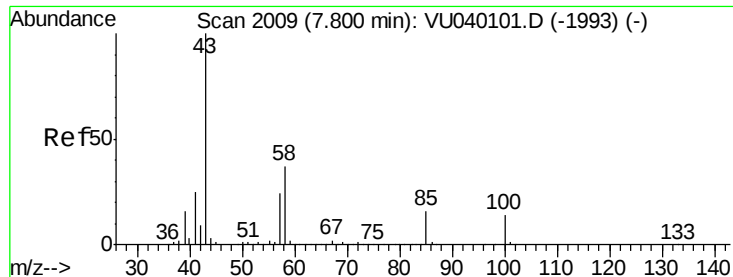
Tot Ion: 56 Resp: 7431
Ion Ratio Lower Upper
56 100
41 71.8 29.2 87.6



#44
Bromodichloromethane
Concen: 0.960 ug/l
RT: 7.11 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

Tgt Ion: 83 Resp: 10796
Ion Ratio Lower Upper
83 100
85 66.3 52.1 78.1
127 8.2 6.6 9.8

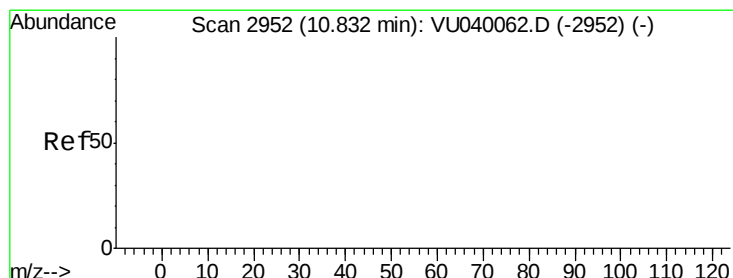
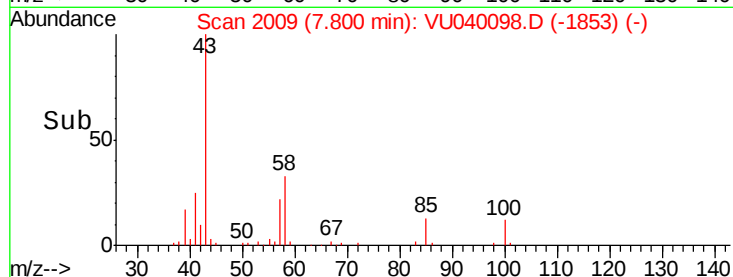
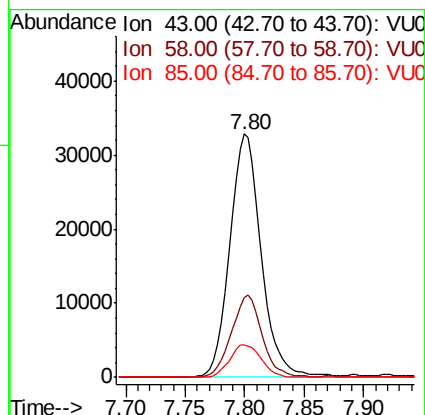
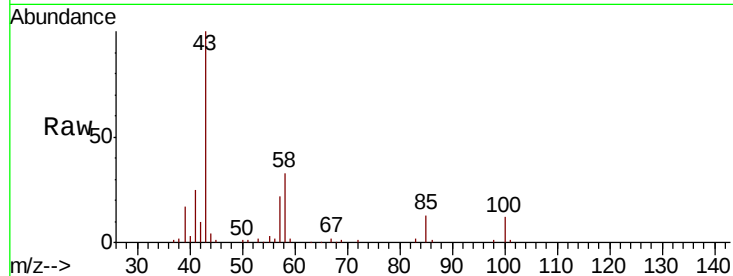




#45
 4-Methyl-2-Pentanone
 Concen: 9.425 ug/l
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

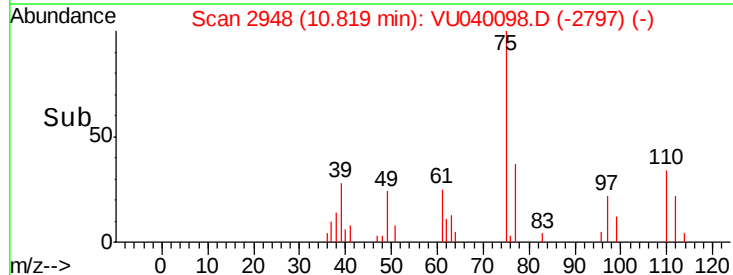
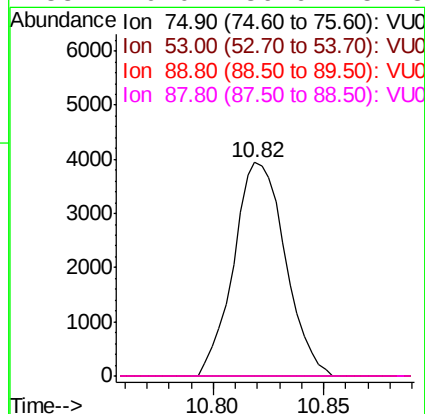
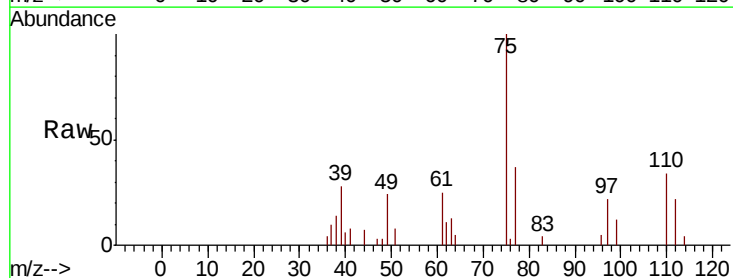
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

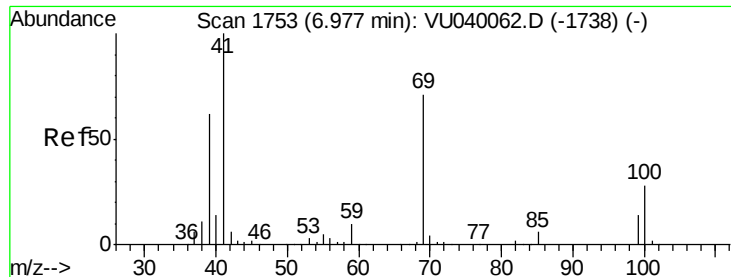
Tot Ion: 43 Resp: 60156
 Ion Ratio Lower Upper
 43 100
 58 32.8 18.1 54.3
 85 13.4 12.3 18.5



#46
 t-1,4-Dichloro-2-butene
 Concen: 2.627 ug/l
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.01 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Tgt Ion: 75 Resp: 6415
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.0 112.6#
 89 0.0 41.6 62.4#
 88 0.0 36.6 54.8#

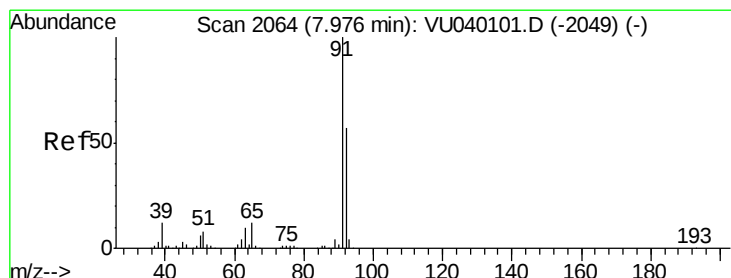
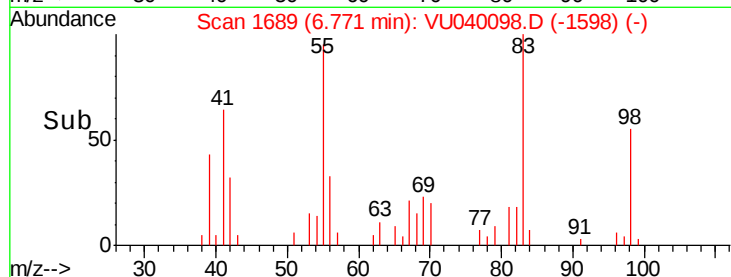
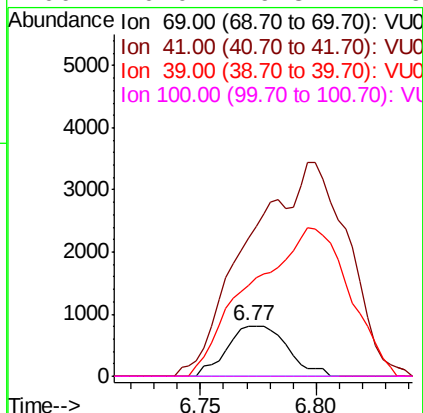
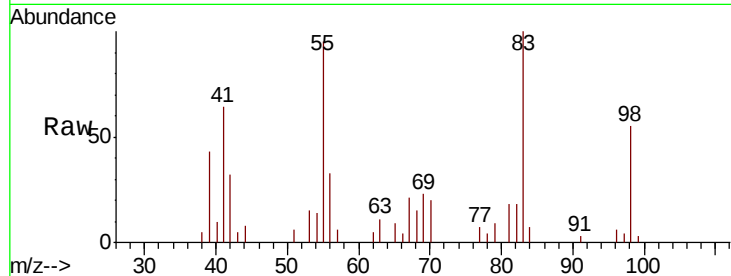




#47
Methvl methacrylate
Concen: 0.366 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.21 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

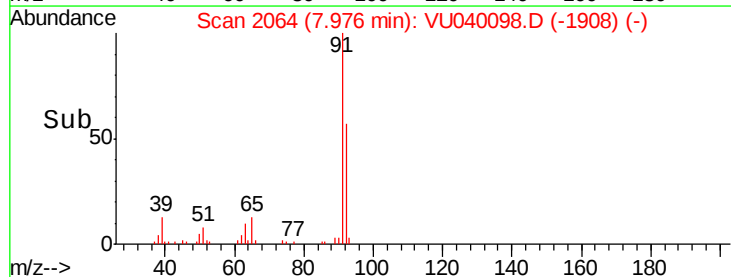
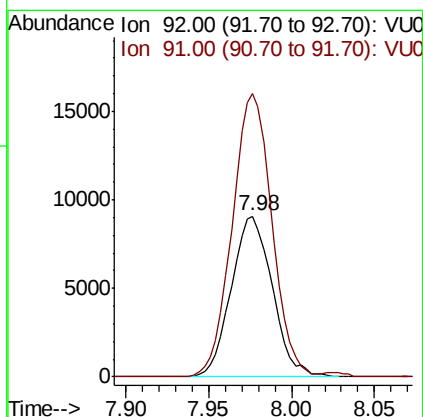
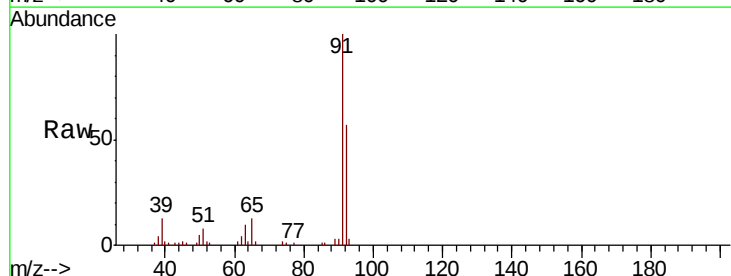
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

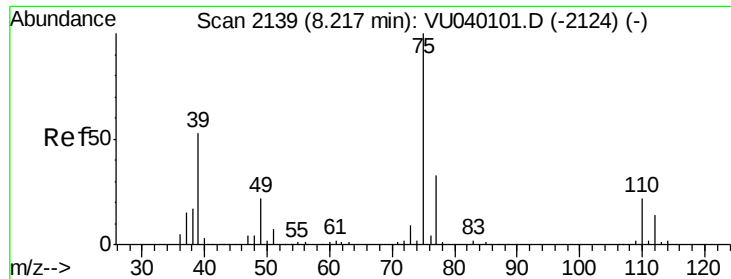
Tot Ion: 69 Resp: 1471
Ion Ratio Lower Upper
69 100
41 315.6 0.0 273.0#
39 0.0 67.8 101.6#
100 0.0 29.8 44.6#



#49
Toluene
Concen: 0.922 ug/l
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

Tgt Ion: 92 Resp: 15607
Ion Ratio Lower Upper
92 100
91 170.4 138.6 207.8

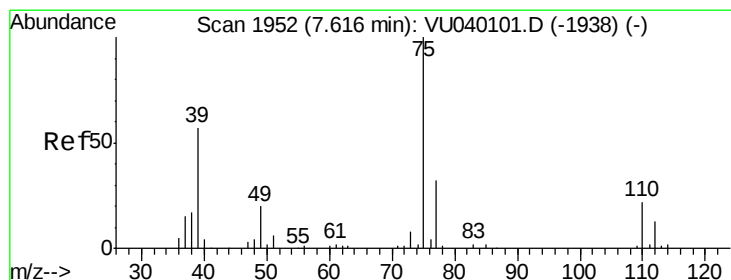
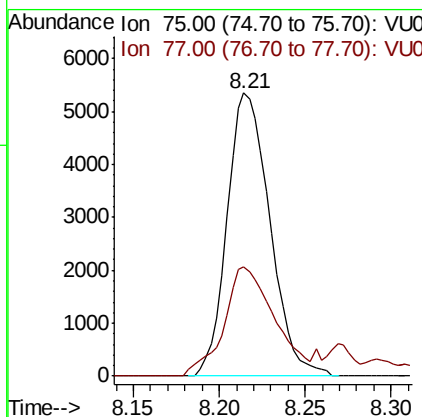
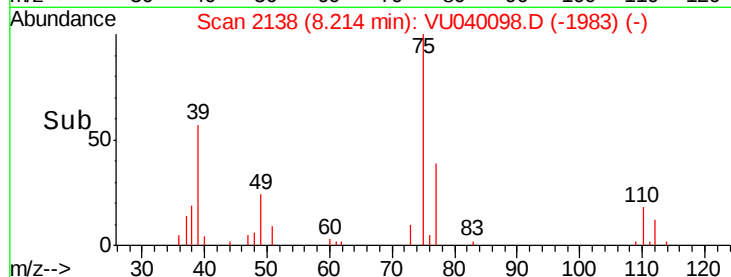
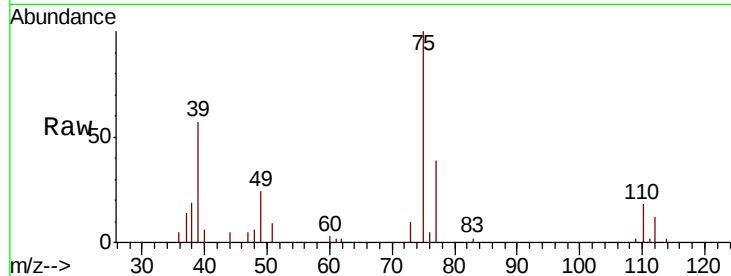




#50
 t-1,3-Dichloropropene
 Concen: 0.911 ug/l
 RT: 8.21 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

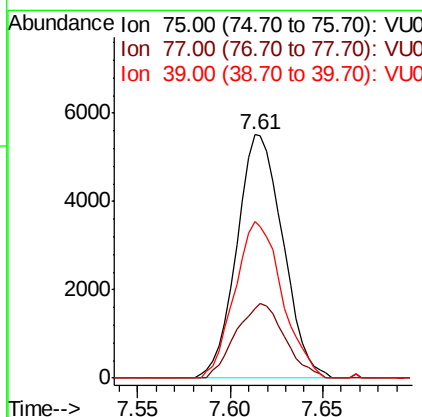
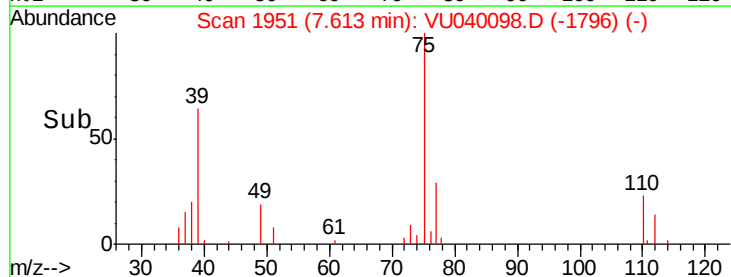
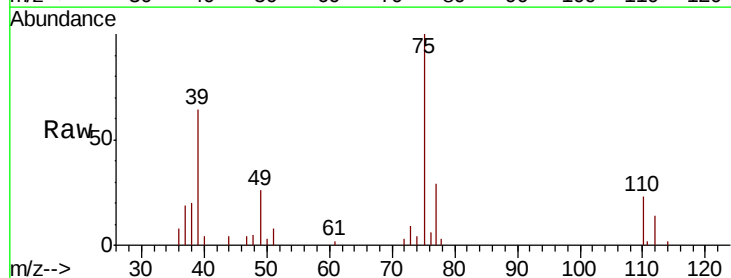
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

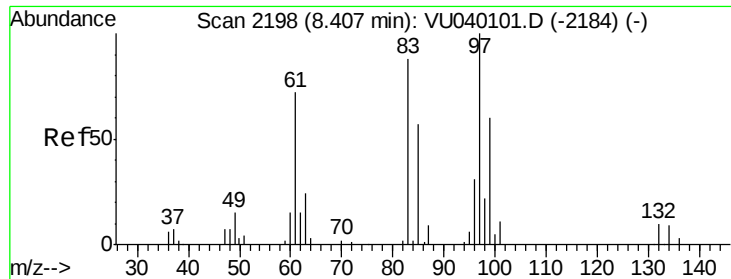
Tot Ion: 75 Resp: 9243
 Ion Ratio Lower Upper
 75 100
 77 36.2 24.4 36.6



#51
 cis-1,3-Dichloropropene
 Concen: 0.842 ug/l
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Tgt Ion: 75 Resp: 9507
 Ion Ratio Lower Upper
 75 100
 77 28.8 24.6 37.0
 39 64.3 46.2 69.4

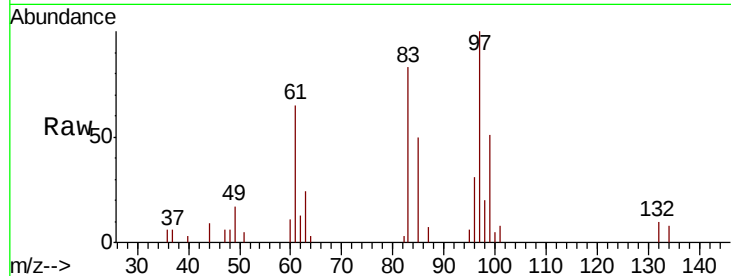




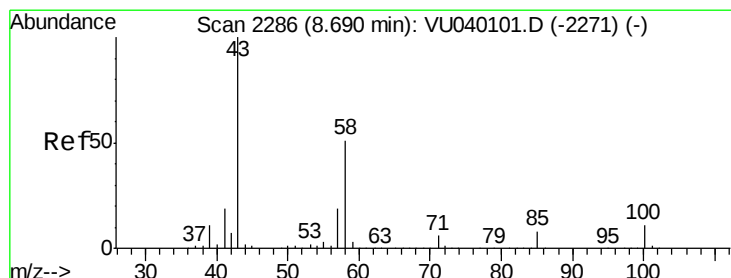
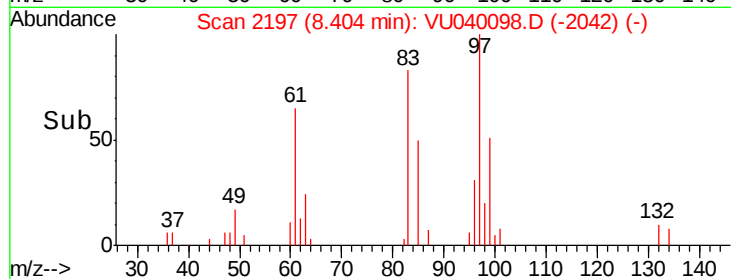
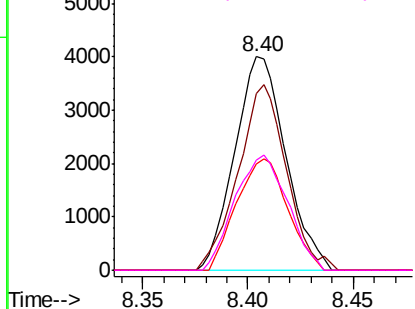
#52
 1,1,2-Trichloroethane
 Concen: 1.122 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 97 Resp: 6733
 Ion Ratio Lower Upper
 97 100
 83 82.7 68.7 103.1
 85 49.5 46.7 70.1
 99 51.5 48.6 72.8

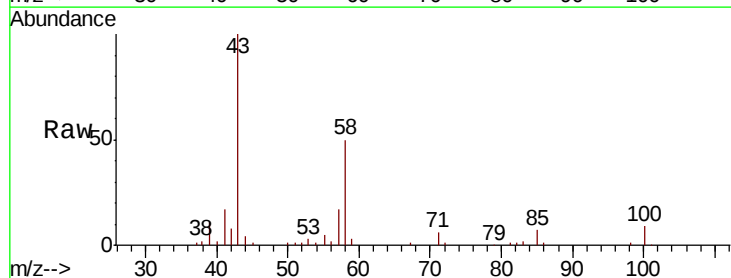


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

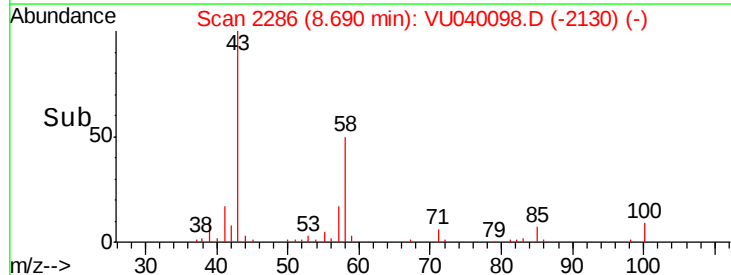
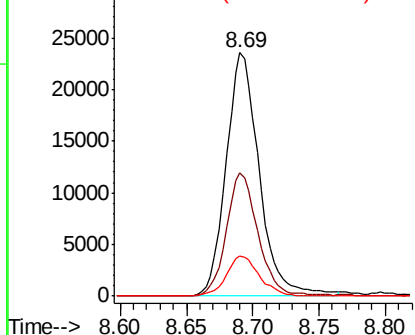


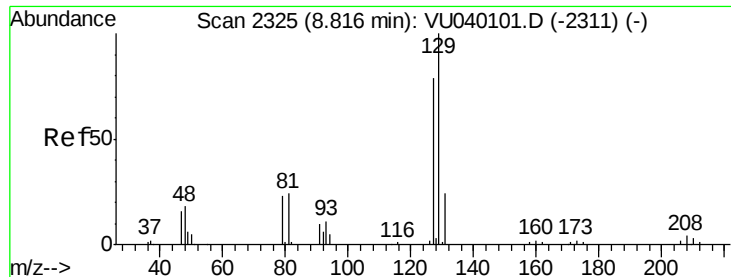
#54
 2-Hexanone
 Concen: 8.843 ug/l
 RT: 8.69 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Tgt Ion: 43 Resp: 40919
 Ion Ratio Lower Upper
 43 100
 58 48.4 29.6 69.6
 57 16.3 0.0 37.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 0.973 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

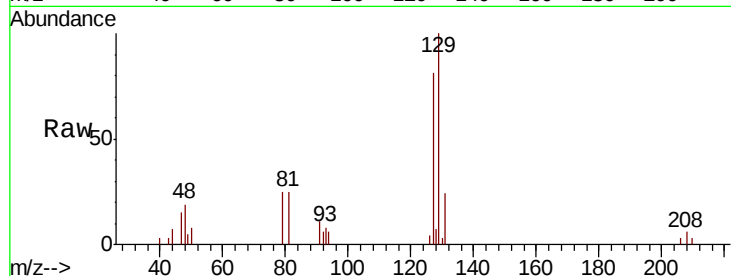
VSTDIC001

Tot Ion:129 Resp: 6813

Ion Ratio Lower Upper

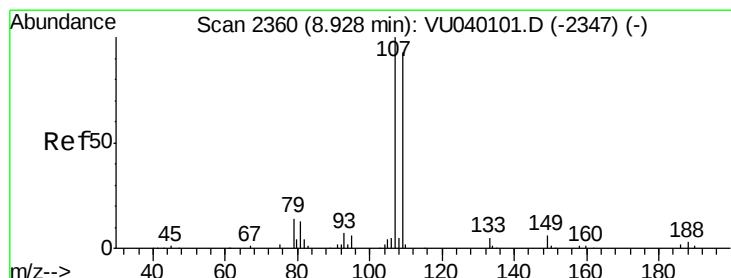
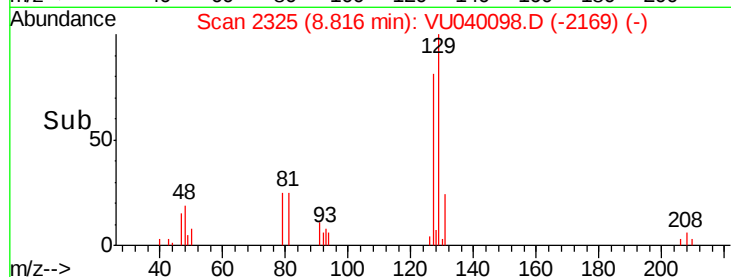
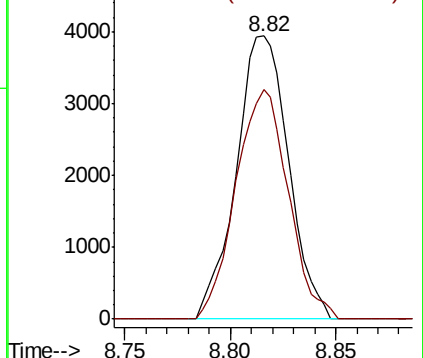
129 100

127 81.3 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: 1.029 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040098.D

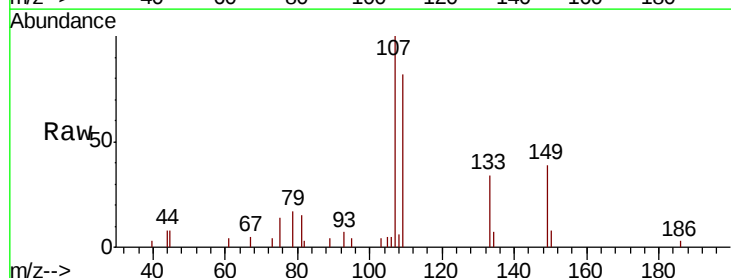
Acq: 11 Sep 2020 11:22

Tgt Ion:107 Resp: 5769

Ion Ratio Lower Upper

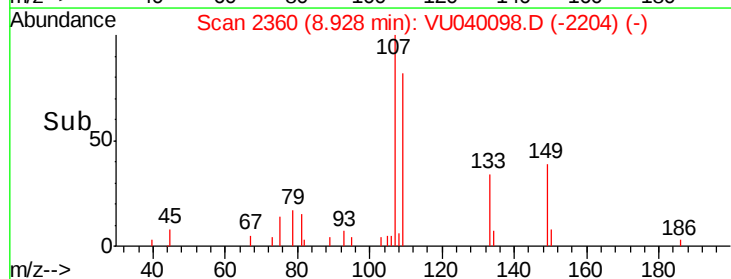
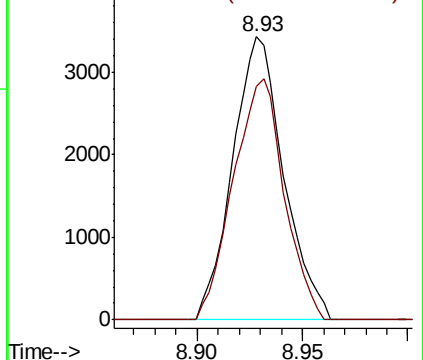
107 100

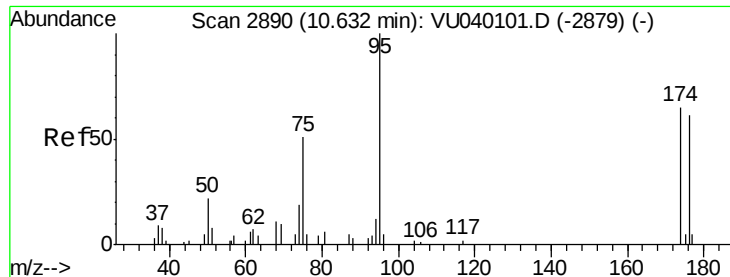
109 84.9 0.0 191.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

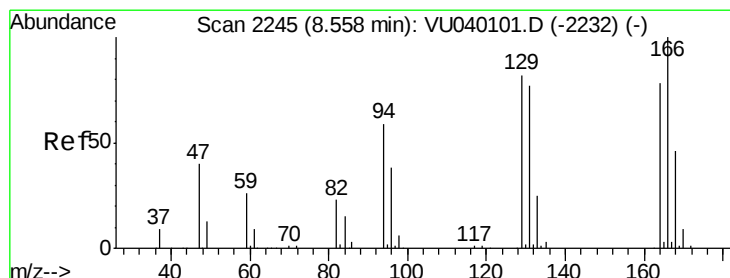
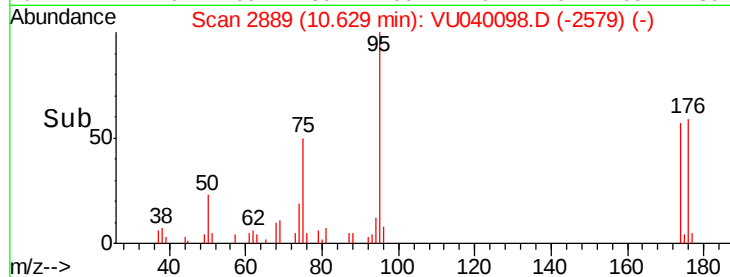
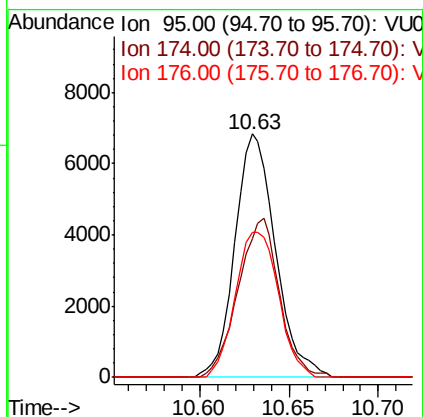
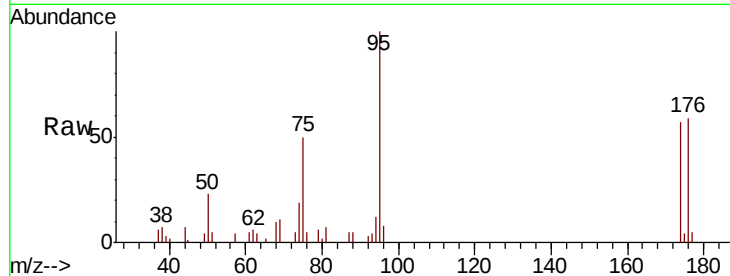




#57
4-Bromofluorobenzene
Concen: 1.012 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

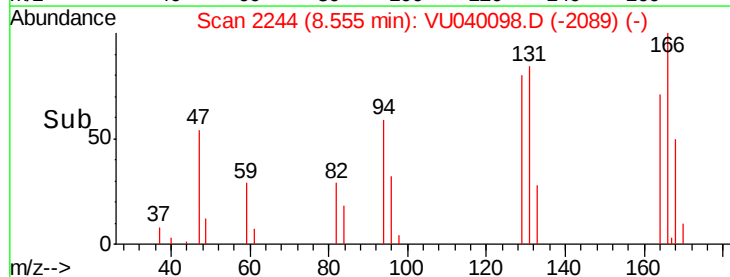
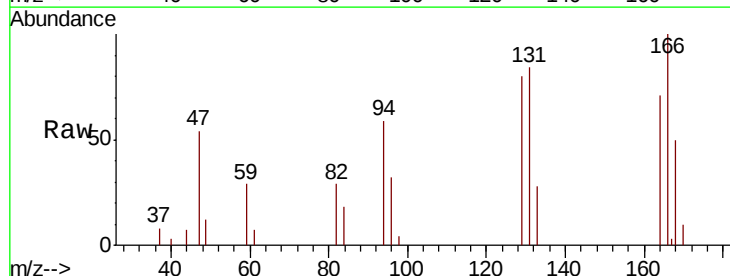
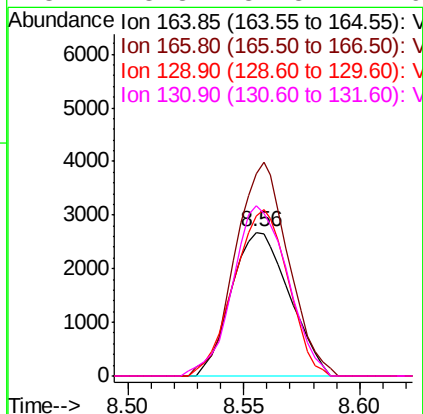
Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

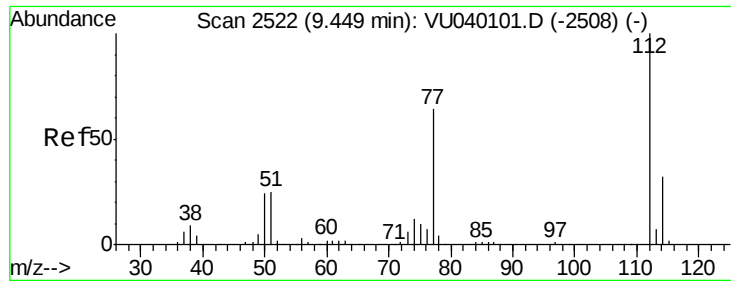
Tot Ion: 95 Resp: 10857
Ion Ratio Lower Upper
95 100
174 66.3 49.4 74.0
176 63.3 50.1 75.1



#58
Tetrachloroethene
Concen: 0.674 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

Tgt Ion: 164 Resp: 4654
Ion Ratio Lower Upper
164 100
166 140.4 101.3 151.9
129 111.7 84.8 127.2
131 118.3 81.8 122.6





#59

Chlorobenzene

Concen: 1.022 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

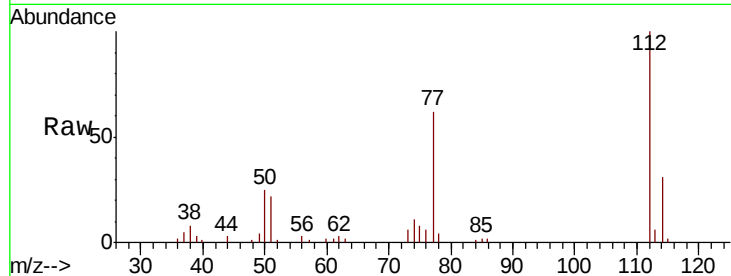
VSTDIC001

Tot Ion:112 Resp: 19173

Ion Ratio Lower Upper

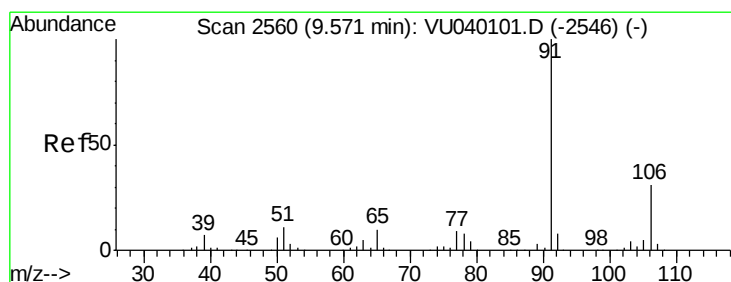
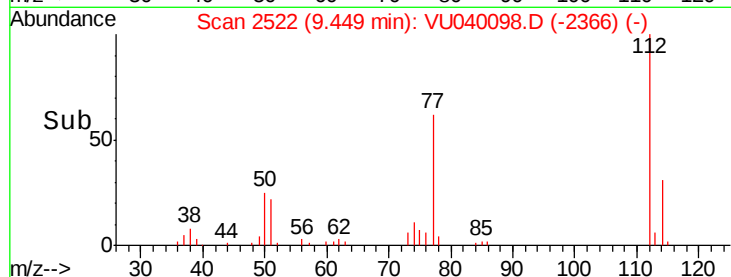
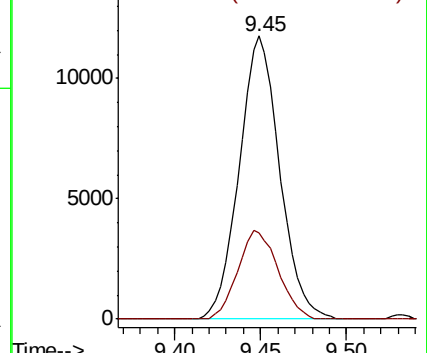
112 100

114 30.6 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: 0.899 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040098.D

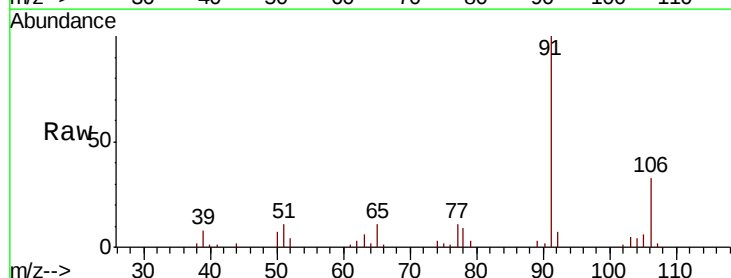
Acq: 11 Sep 2020 11:22

Tgt Ion: 91 Resp: 28793

Ion Ratio Lower Upper

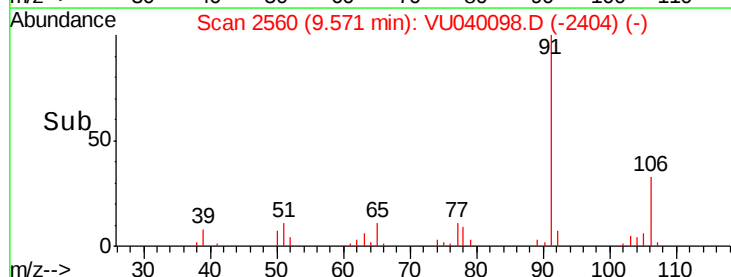
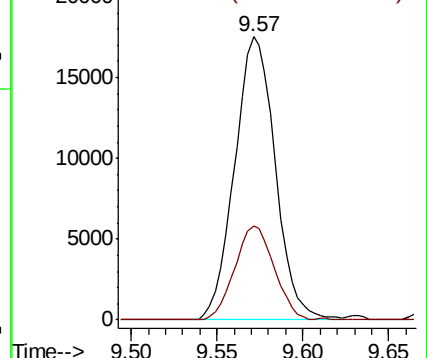
91 100

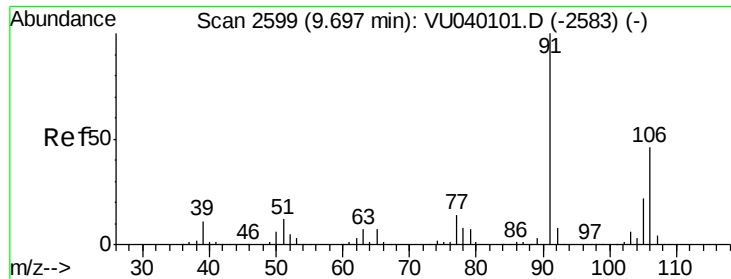
106 33.0 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

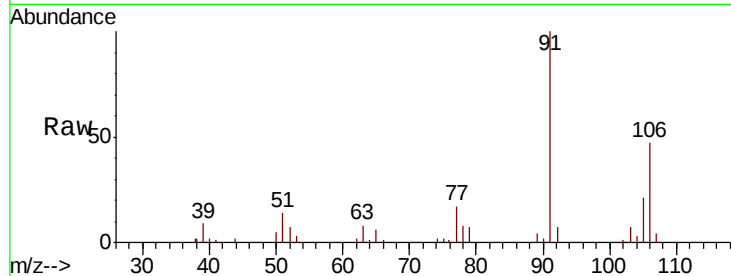




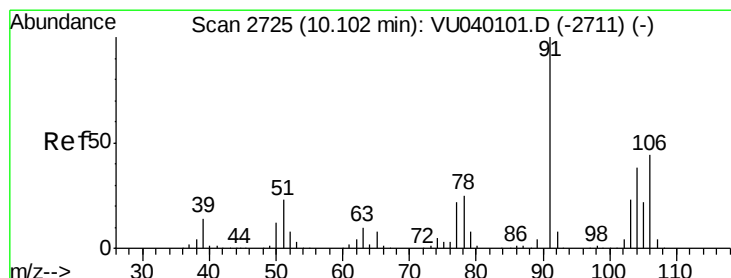
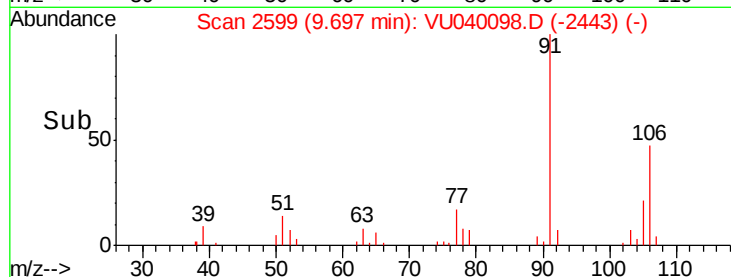
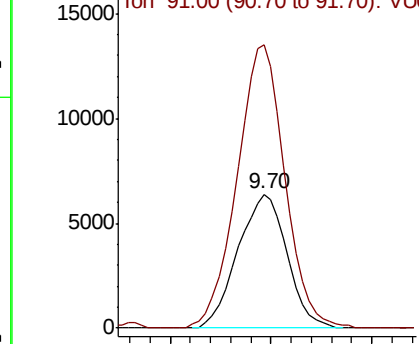
#64
m/p-Xylenes
Concen: 0.908 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 10866
Ion Ratio Lower Upper
106 100
91 205.9 171.4 257.2

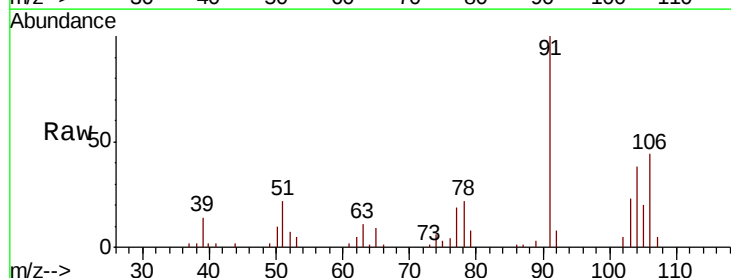


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

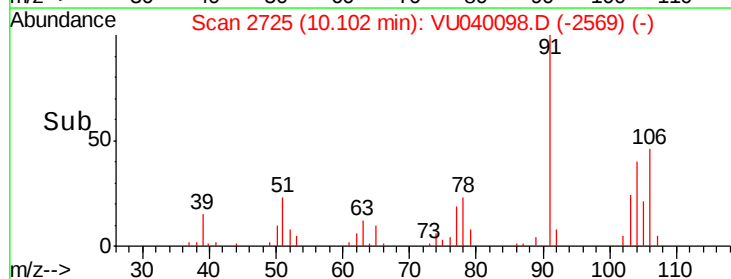
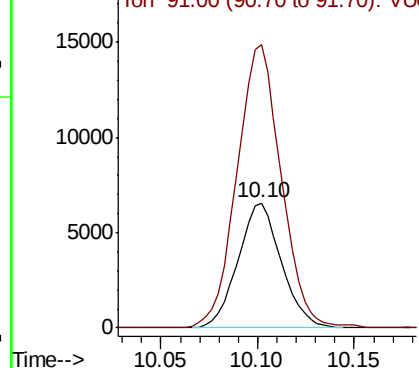


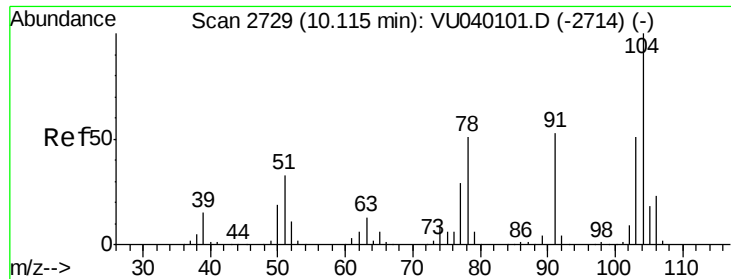
#65
o-Xylene
Concen: 0.883 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

Tgt Ion:106 Resp: 10194
Ion Ratio Lower Upper
106 100
91 232.4 114.2 342.6



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

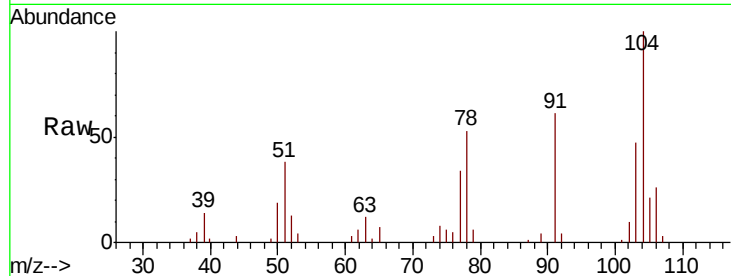




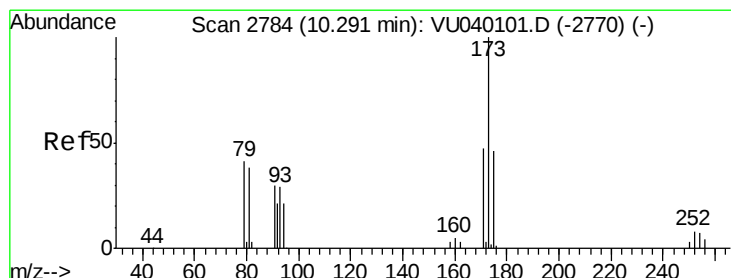
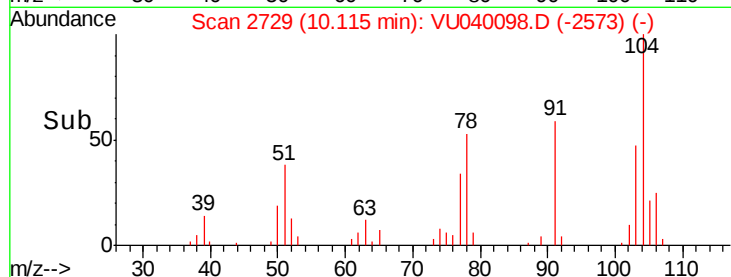
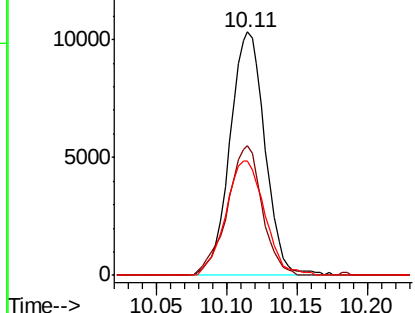
#66
Stvrene
Concen: 0.885 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:104 Resp: 17949
Ion Ratio Lower Upper
104 100
78 52.9 43.9 65.9
103 52.2 43.7 65.5

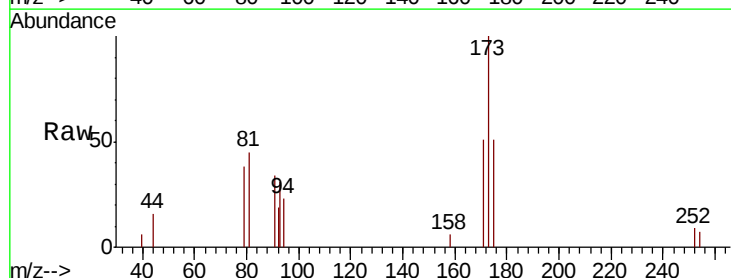


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

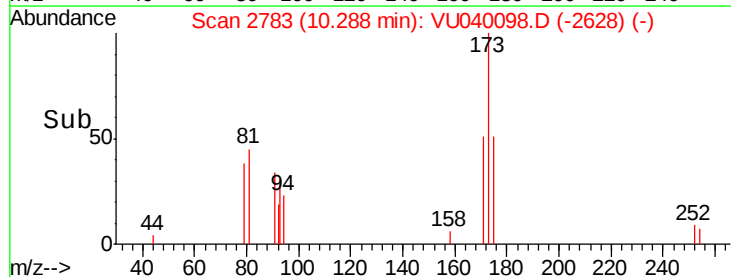
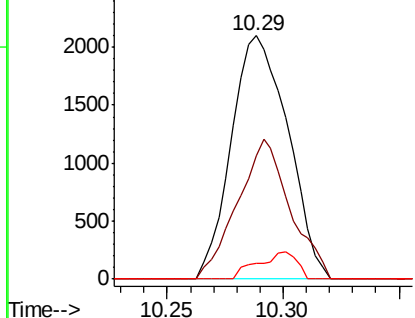


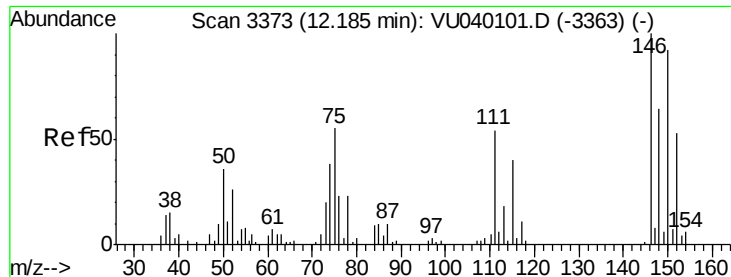
#67
Bromoform
Concen: 0.986 ug/l
RT: 10.29 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VU040098.D
Acq: 11 Sep 2020 11:22

Tgt Ion:173 Resp: 3556
Ion Ratio Lower Upper
173 100
175 53.5 38.0 57.0
254 7.7 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: 1.000 ug/l

RT: 12.19 min Scan# 3373

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

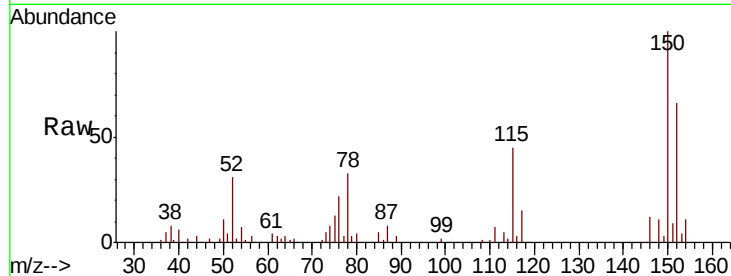
Tot Ion:152 Resp: 9810

Ion Ratio Lower Upper

152 100

115 72.9 0.0 309.0

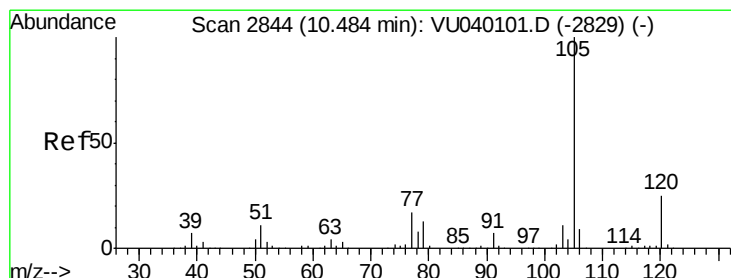
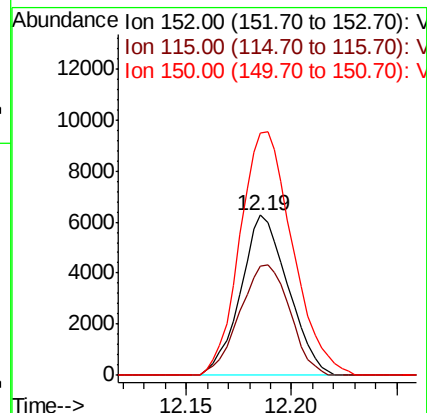
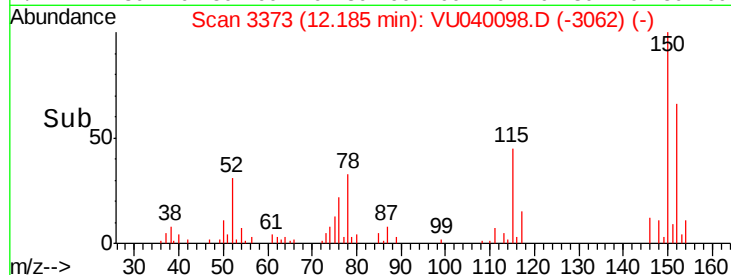
150 168.0 0.0 658.2



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: 0.881 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040098.D

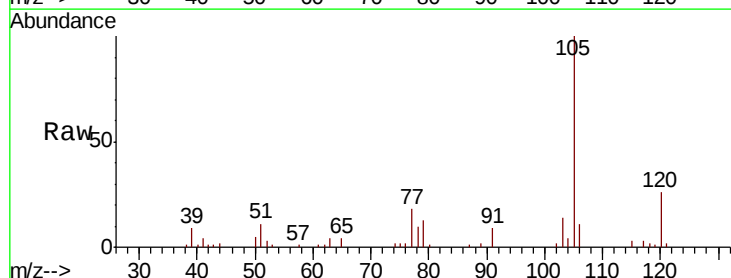
Acq: 11 Sep 2020 11:22

Tgt Ion:105 Resp: 28008

Ion Ratio Lower Upper

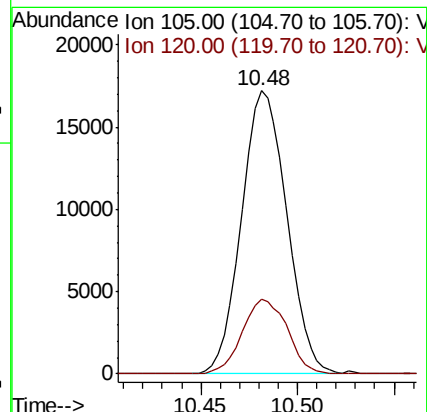
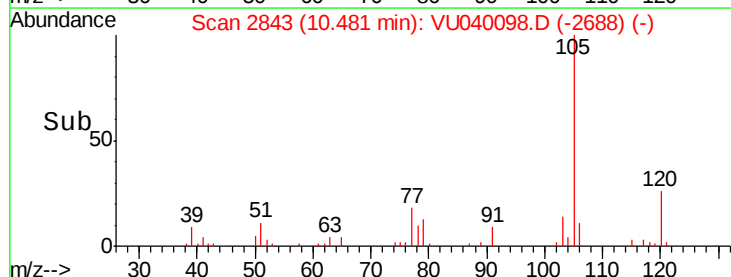
105 100

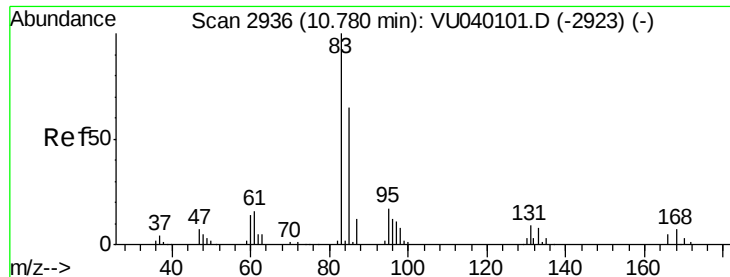
120 26.2 12.4 37.4



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: 1.008 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

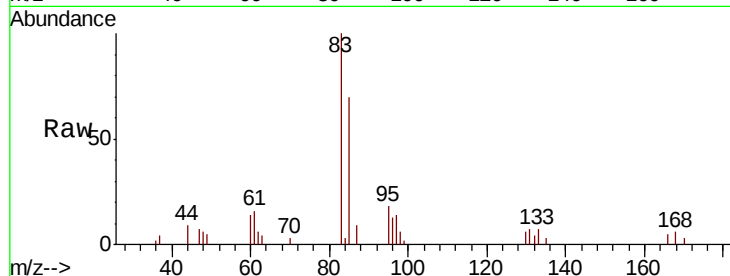
Tot Ion: 83 Resp: 8092

Ion Ratio Lower Upper

83 100

131 6.8 7.5 11.3#

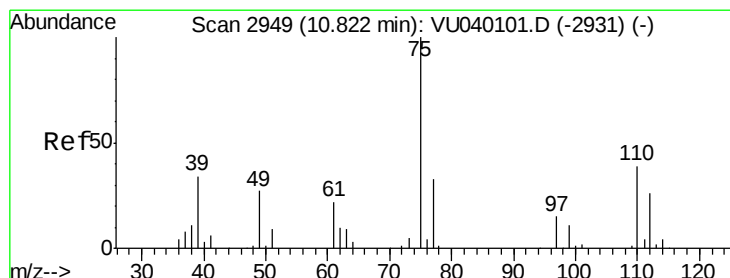
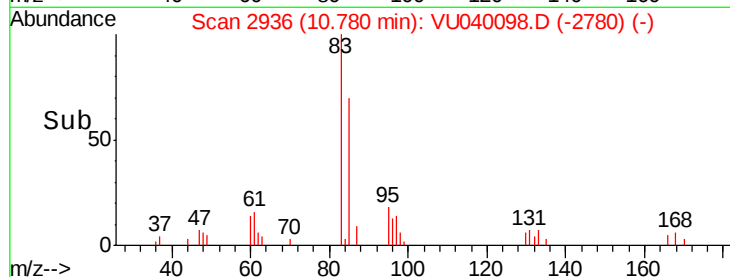
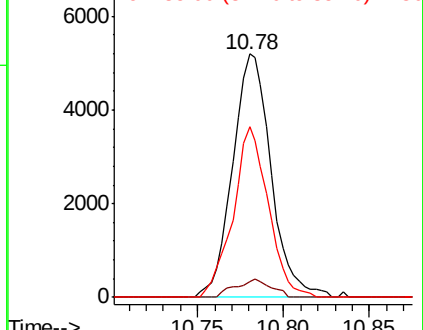
85 63.9 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VU040101.D (-2923) (-)

Ion 131.00 (130.70 to 131.70): VU040101.D (-2923) (-)

Ion 85.00 (84.70 to 85.70): VU040101.D (-2923) (-)



#71

1,2,3-Trichloropropane

Concen: 1.030 ug/l

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Tgt Ion: 75 Resp: 6415

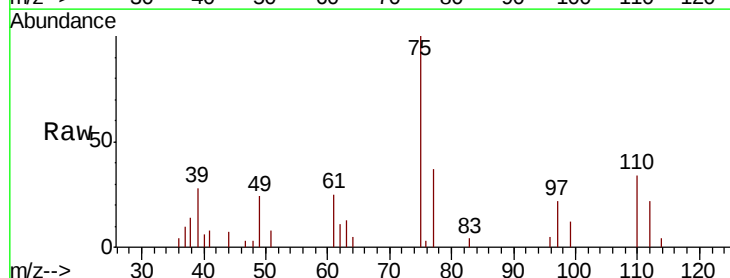
Ion Ratio Lower Upper

75 100

77 33.3 0.0 111.4

110 34.5 0.0 70.8

97 18.0 0.0 36.0

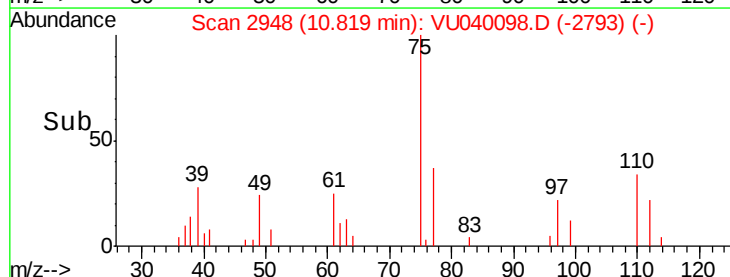
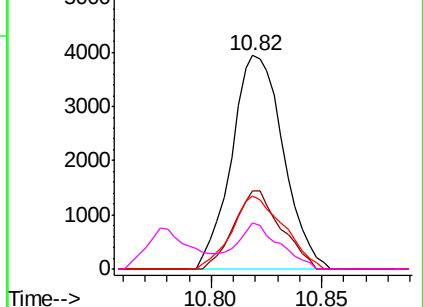


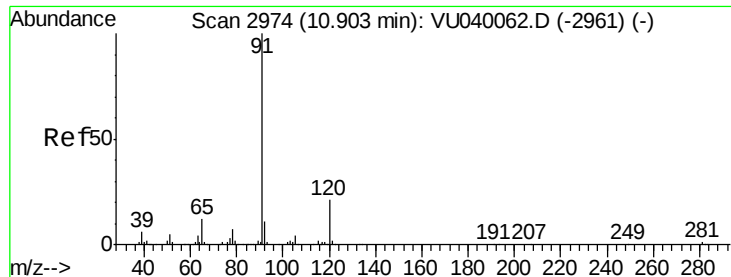
Abundance Ion 75.00 (74.70 to 75.70): VU040101.D (-2931) (-)

Ion 77.00 (76.70 to 77.70): VU040101.D (-2931) (-)

Ion 110.00 (109.70 to 110.70): VU040101.D (-2931) (-)

Ion 97.00 (96.70 to 97.70): VU040101.D (-2931) (-)





#73

n-propylbenzene

Concen: 1.230 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.18 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

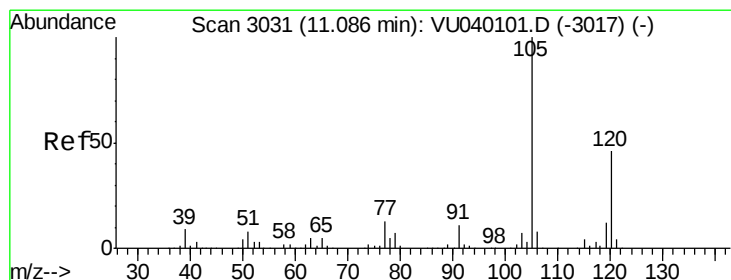
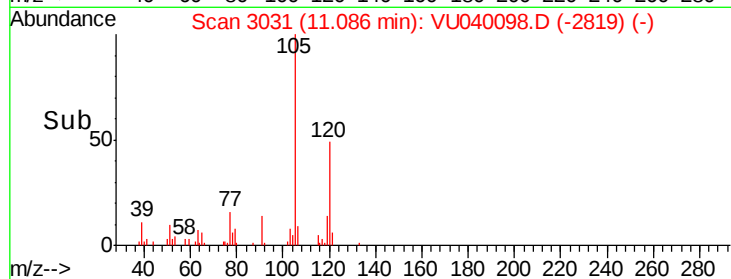
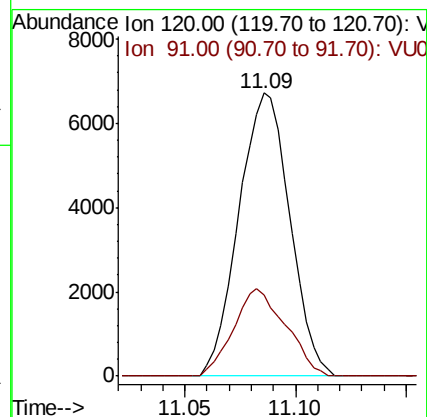
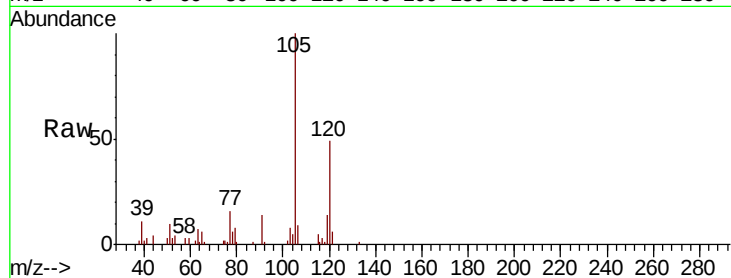
VSTDIC001

Tot Ion:120 Resp: 10747

Ion Ratio Lower Upper

120 100

91 31.6 380.4 570.6#



#75

1,3,5-Trimethylbenzene

Concen: 0.818 ug/l

RT: 11.08 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VU040098.D

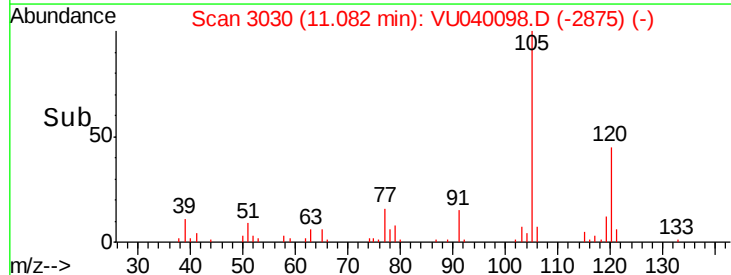
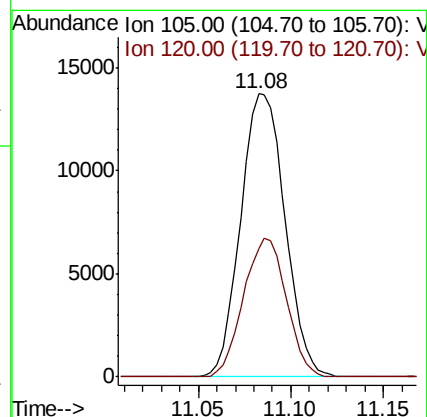
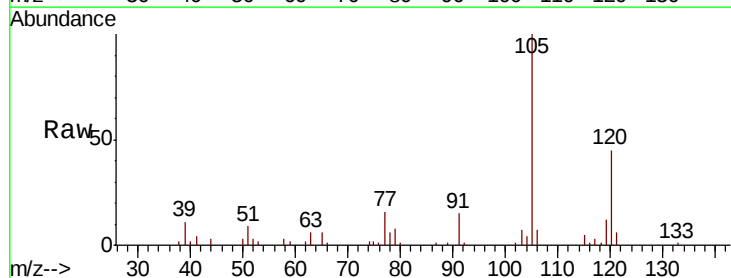
Acq: 11 Sep 2020 11:22

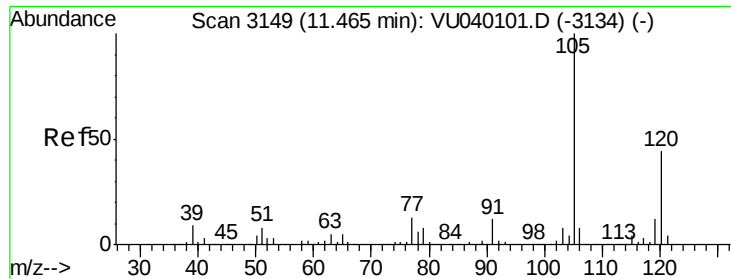
Tgt Ion:105 Resp: 22779

Ion Ratio Lower Upper

105 100

120 47.2 36.6 55.0

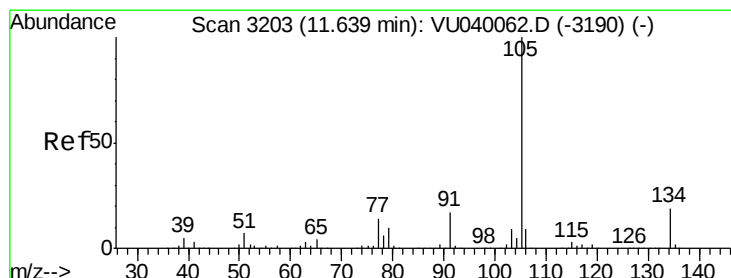
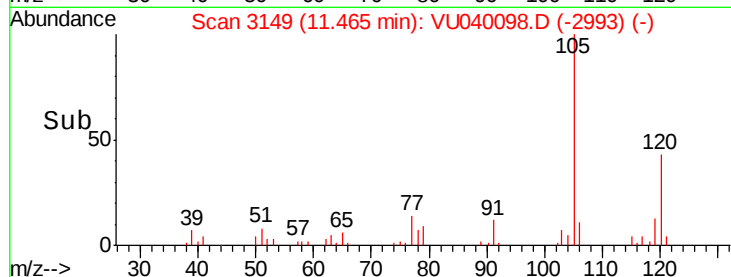
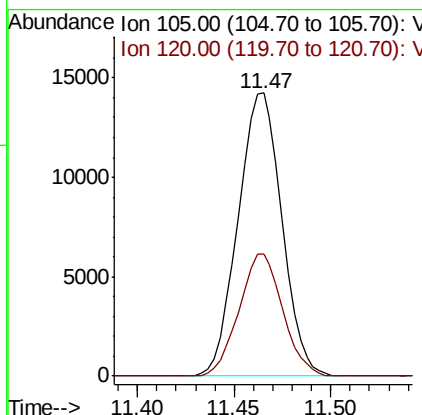
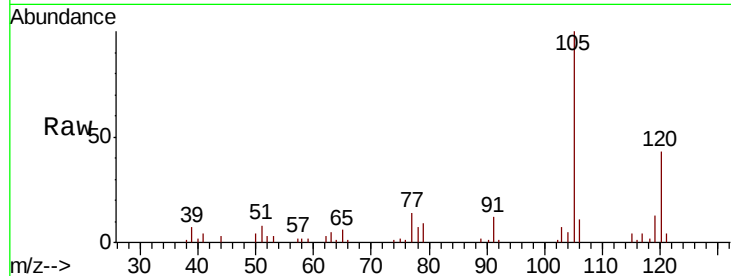




#78
 1,2,4-Trimethylbenzene
 Concen: 0.768 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

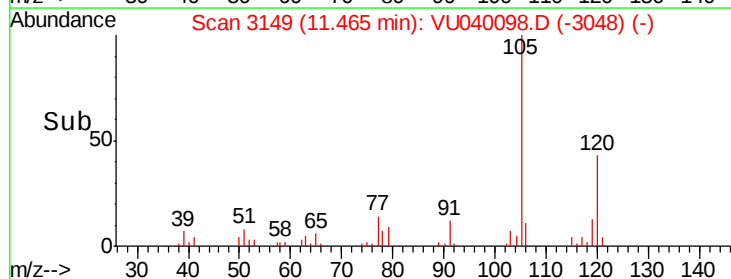
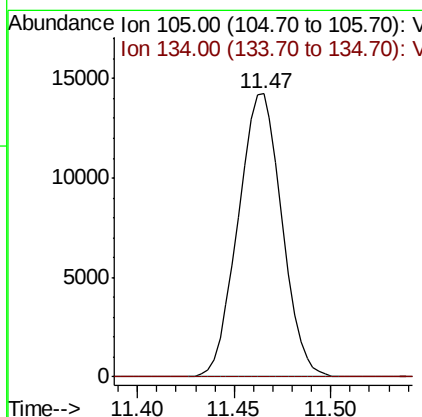
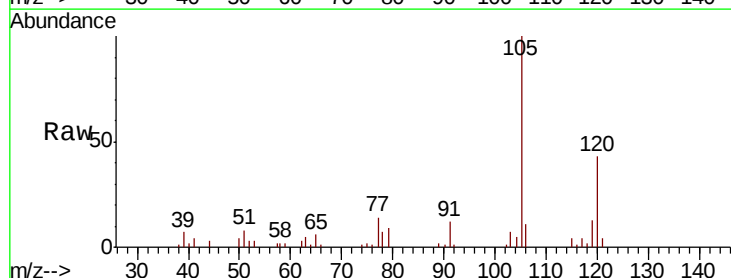
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

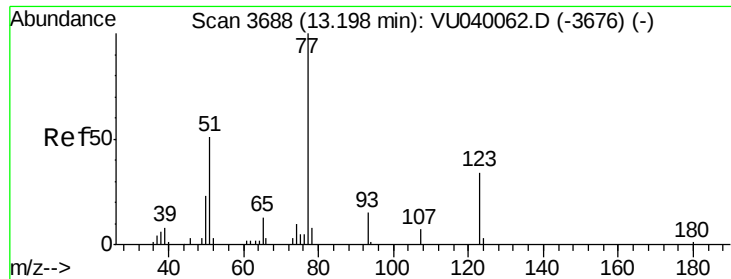
Tot Ion:105 Resp: 22415
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.9 65.5



#79
 sec-Butylbenzene
 Concen: 0.598 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. -0.17 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Tgt Ion:105 Resp: 22415
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.0 22.4#





#80

Nitrobenzene

Concen: 1.147 ug/l

RT: 12.99 min Scan# 3622

Delta R.T. -0.21 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

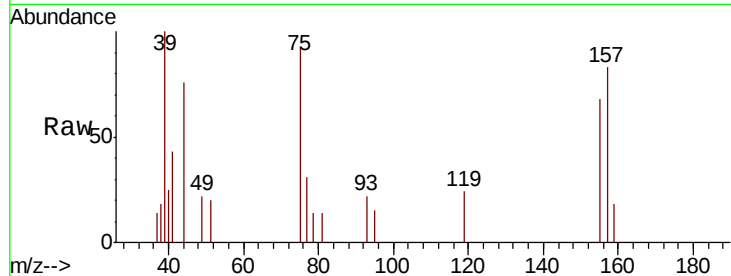
Tot Ion: 77 Resp: 369

Ion Ratio Lower Upper

77 100

123 0.0 16.4 58.0#

65 0.0 12.5 15.9#



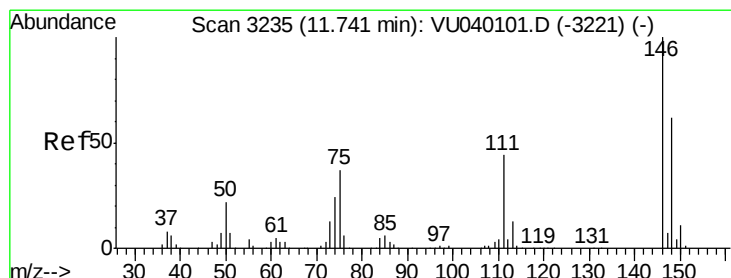
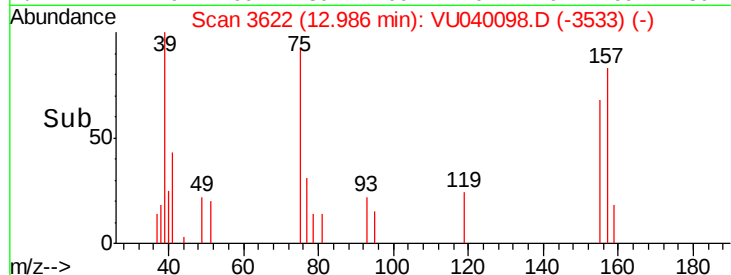
Abundance Ion 77.00 (76.70 to 77.70): VU040062.D (-3676) (-)

Ion 123.00 (122.70 to 123.70): VU040062.D (-3676) (-)

Ion 65.00 (64.70 to 65.70): VU040062.D (-3676) (-)

12.99

Time-->



#82

1,3-Dichlorobenzene

Concen: 0.972 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

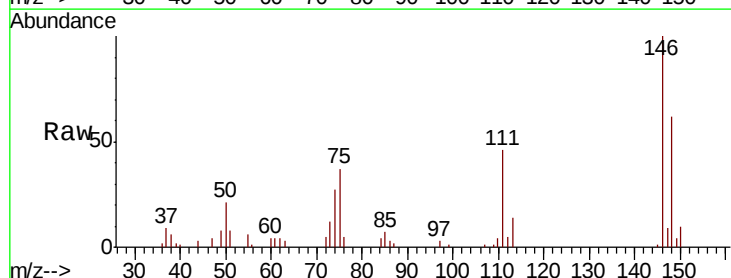
Tgt Ion: 146 Resp: 15880

Ion Ratio Lower Upper

146 100

111 46.7 35.4 53.0

148 63.4 49.7 74.5



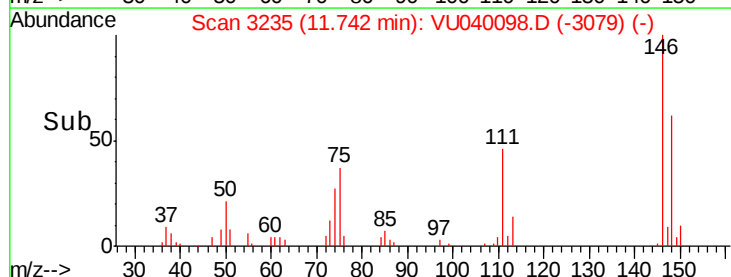
Abundance Ion 146.00 (145.70 to 146.70): VU040101.D (-3221) (-)

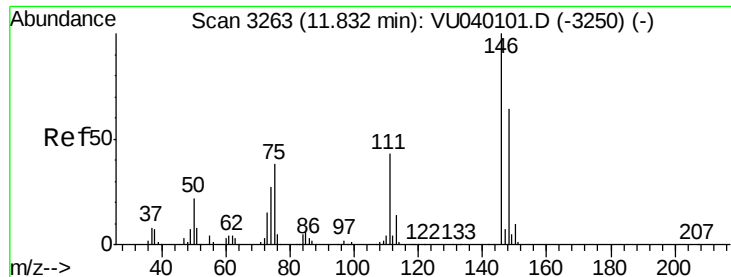
Ion 111.00 (110.70 to 111.70): VU040101.D (-3221) (-)

Ion 148.00 (147.70 to 148.70): VU040101.D (-3221) (-)

11.74

Time-->

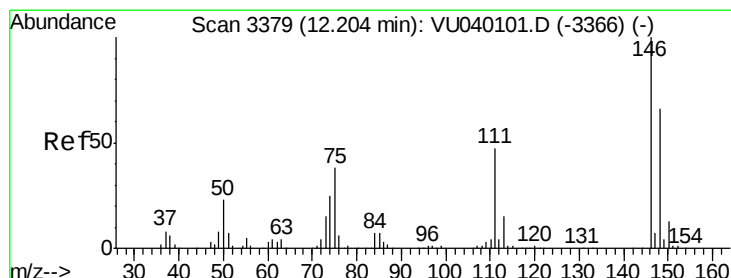
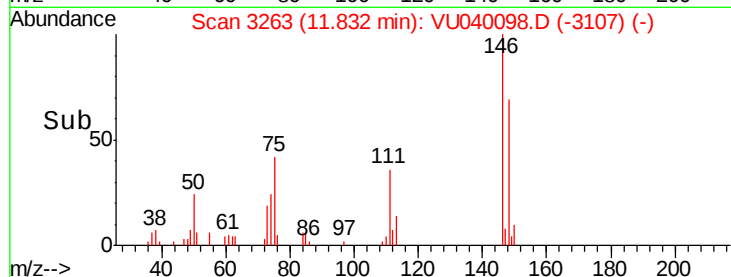
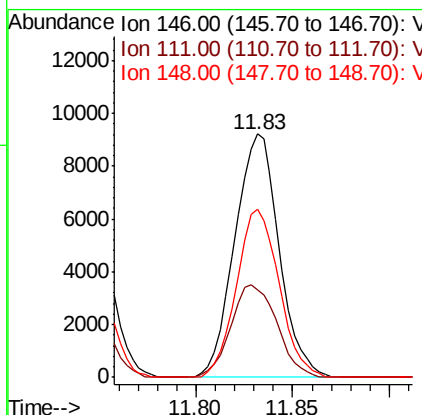
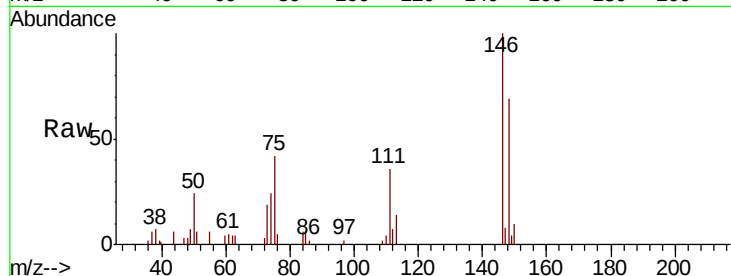




#83
 1,4-Dichlorobenzene
 Concen: 0.904 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

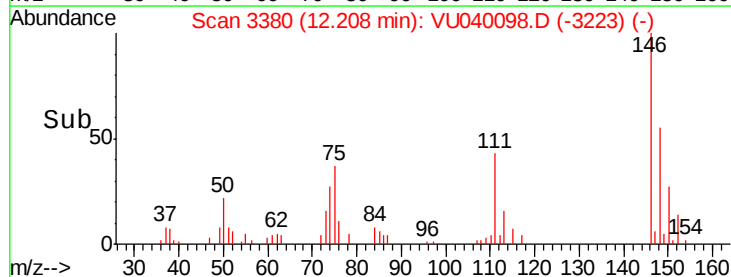
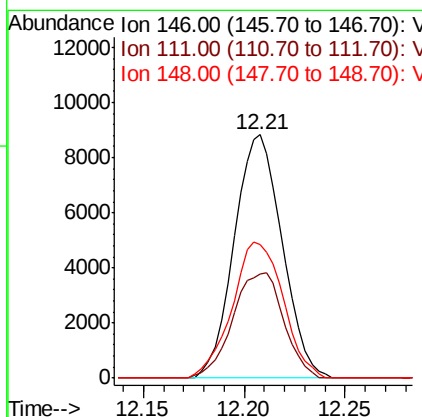
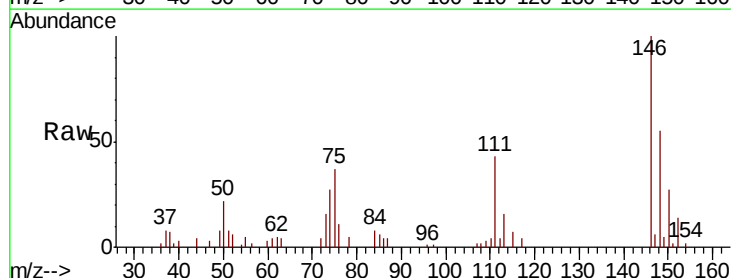
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

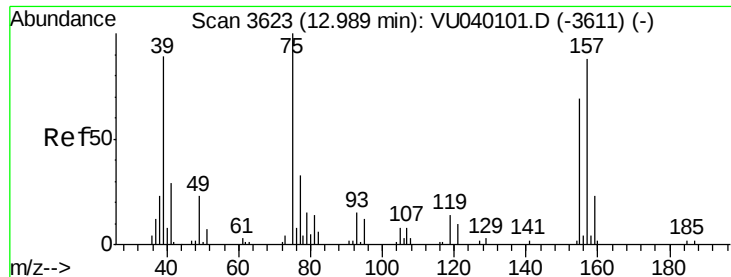
Tot Ion	146	Resp	14680
Ion	Ratio	Lower	Upper
146	100		
111	39.5	34.2	51.2
148	66.5	50.2	75.2



#85
 1,2-Dichlorobenzene
 Concen: 0.936 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Tgt Ion	146	Resp	14696
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.7
148	59.4	31.1	93.2

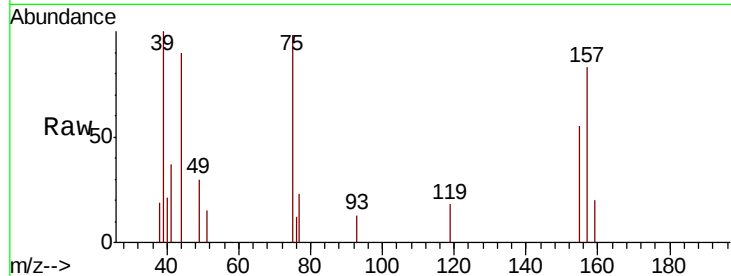




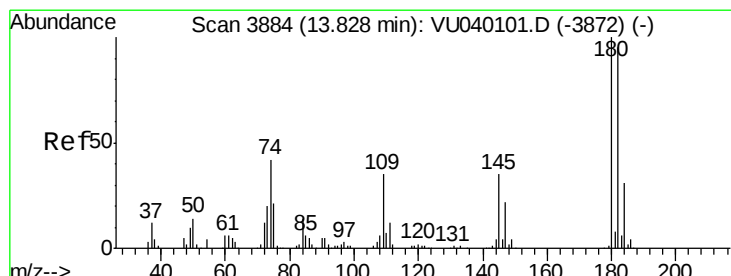
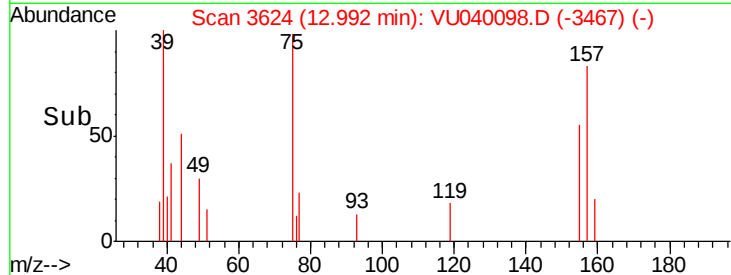
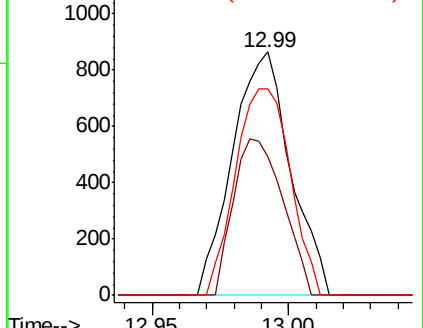
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.854 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 1275
 Ion Ratio Lower Upper
 75 100
 155 55.1 53.4 80.0
 157 80.3 65.8 98.8

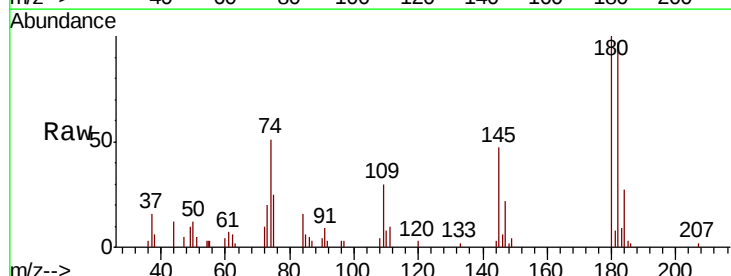


Abundance Ion 75.00 (74.70 to 75.70): VU
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

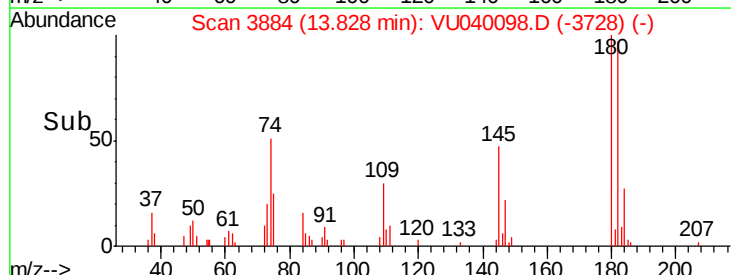
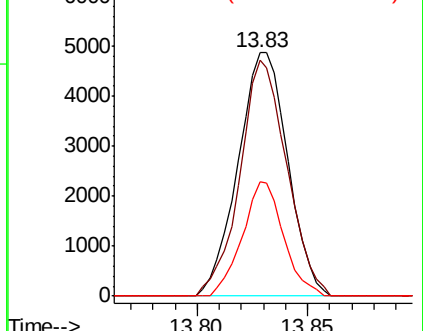


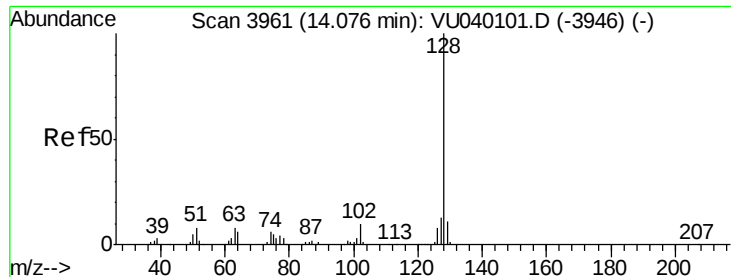
#87
 1,2,4-Trichlorobenzene
 Concen: 0.843 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040098.D
 Acq: 11 Sep 2020 11:22

Tgt Ion: 180 Resp: 7638
 Ion Ratio Lower Upper
 180 100
 182 91.6 75.0 112.4
 145 38.9 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: 0.626 ug/l

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

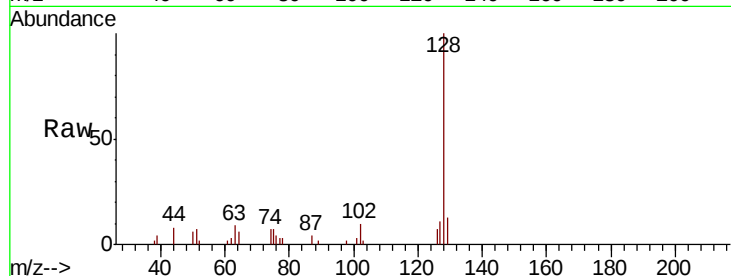
Tot Ion:128 Resp: 11054

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

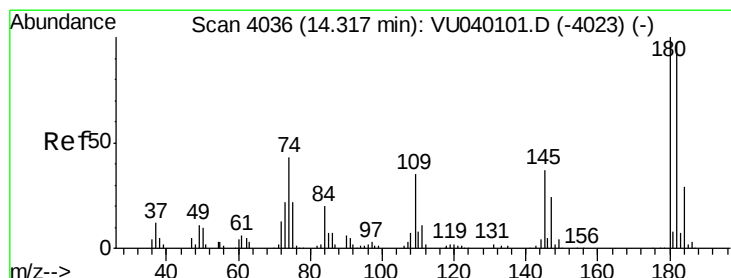
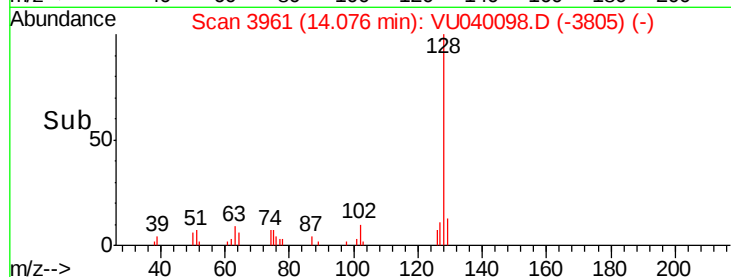
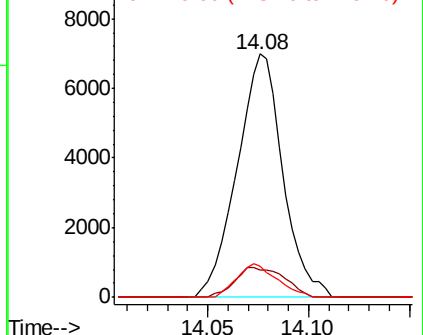
129 12.2 8.3 12.5



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: 0.817 ug/l

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040098.D

Acq: 11 Sep 2020 11:22

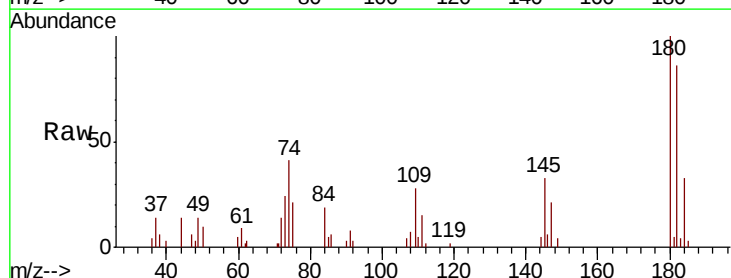
Tgt Ion:180 Resp: 6900

Ion Ratio Lower Upper

180 100

182 91.3 76.0 114.0

145 34.9 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

