

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090920\
 Data File : VU040066.D
 Acq On : 09 Sep 2020 17:15
 Operator : SY/MD
 Sample : L3938-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TEST

Quant Time: Sep 10 04:13:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 04:09:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	27589	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	10748	0.95	ug/l	0.00
Spiked Amount	1.000		Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	10182	0.99	ug/l	0.00
Spiked Amount	1.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
3) Chloromethane	1.54	50	184	0.022	ug/l #	42
4) Vinyl Chloride	1.61	62	450719	55.312	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.58	101	163	0.023	ug/l #	21
9) 1,1-Dichloroethene	2.59	96	112181	18.800	ug/l	97
11) Allyl Chloride	2.82	41	146	0.012	ug/l #	67
12) Acrylonitrile	3.35	53	44	0.021	ug/l #	1
13) Acetone	2.66	43	363	0.191	ug/l #	49
14) Carbon Disulfide	2.81	76	411	0.025	ug/l #	4
15) Methylene Chloride	3.06	84	102304	14.397	ug/l	98
16) trans-1,2-Dichloroethene	3.37	96	131785	20.341	ug/l	98
18) 2-Butanone	4.73	43	118	0.041	ug/l	78
19) Cyclohexane	5.32	56	42	0.004	ug/l #	1
20) Methylcyclohexane	6.81	83	1196	0.110	ug/l #	19
21) 2,2-Dichloropropane	4.69	77	668	0.050	ug/l #	1
22) cis-1,2-Dichloroethene	4.68	96	96006	12.723	ug/l	87
23) Diethyl Ether	2.59	59	7723	1.366	ug/l #	13
24) tert-Butyl Alcohol	3.20	59	2436	3.202	ug/l #	70
25) Methyl tert-Butyl Ether	3.38	73	288	0.014	ug/l #	45
27) Chloroform	5.11	83	1066	0.074	ug/l	68
28) 1,1,1-Trichloroethane	5.33	97	140467	11.255	ug/l	99
29) 1,1-Dichloropropene	5.78	75	6598	0.621	ug/l #	1
30) Carbon Tetrachloride	5.54	117	165925	14.656	ug/l	99
31) Isopropyl Ether	4.08	45	86	0.004	ug/l	94
32) Ethyl-t-butyl ether	4.68	59	4095	0.186	ug/l #	37
33) Tert-Amyl methyl ether	6.12	73	447	0.023	ug/l #	60
34) Propionitrile	4.82	54	40	0.054	ug/l #	1
35) Benzene	5.79	78	362362	12.323	ug/l	100
36) 1,2-Dichloroethane	5.81	62	95783	8.373	ug/l	99
37) Trichloroethene	6.55	130	107353	14.359	ug/l	93
38) 1,2-Dichloropropane	6.80	63	183259	21.524	ug/l	99
39) Methacrylonitrile	5.01	41	39	0.010	ug/l #	1
40) Methyl acrylate	4.68	55	89	0.018	ug/l #	1
41) Tetrahydrofuran	5.09	42	307	0.163	ug/l #	35
42) 1-Chlorobutane	5.32	56	42	0.003	ug/l #	51
45) 4-Methyl-2-Pentanone	7.82	43	783	0.117	ug/l #	46
46) t-1,4-Dichloro-2-butene	10.63	75	6451	2.516	ug/l #	16
49) Toluene	7.98	92	246171	13.851	ug/l	100
50) t-1,3-Dichloropropene	7.98	75	3164	0.297	ug/l #	1
52) 1,1,2-Trichloroethane	8.41	97	128644	20.409	ug/l	99
54) 2-Hexanone	8.69	43	282	0.058	ug/l #	65
58) Tetrachloroethene	8.56	164	96321	13.275	ug/l	99

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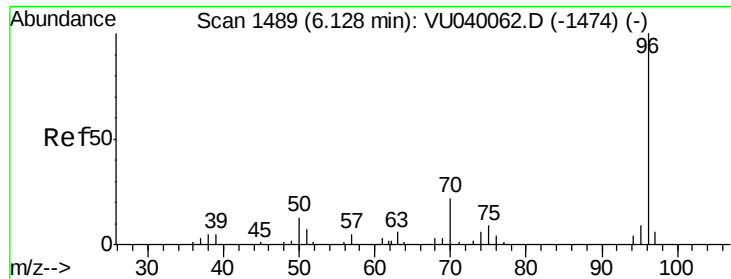
Instrument :
 MSVOA_U
 ClientSampleId :
 TEST

Quant Time: Sep 10 04:13:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 04:09:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Chlorobenzene	9.45	112	189721	9.626	ug/l	97
63) Ethyl Benzene	9.57	91	377442	11.223	ug/l	99
64) m/p-Xylenes	9.69	106	174589	13.895	ug/l	98
65) o-Xylene	10.10	106	219831	18.123	ug/l	99
66) Styrene	10.11	104	288983	13.564	ug/l	95
75) 1,3,5-Trimethylbenzene	11.09	105	45	0.002	ug/l #	31
78) 1,2,4-Trimethylbenzene	11.46	105	349	0.011	ug/l #	32
79) sec-Butylbenzene	11.64	105	122	0.003	ug/l #	58
81) p-Isopropyltoluene	11.81	119	45	0.001	ug/l #	48
82) 1,3-Dichlorobenzene	11.83	146	256119	14.933	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	256119	15.026	ug/l	99
84) n-Butylbenzene	12.19	91	20	0.001	ug/l #	33
85) 1,2-Dichlorobenzene	12.20	146	246585	14.951	ug/l	98
87) 1,2,4-Trichlorobenzene	13.83	180	200846	21.099	ug/l	99
89) Naphthalene	14.07	128	646	0.577	ug/l #	70

(#) = 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: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

TEST

Tgt Ion: 96 Resp: 27589

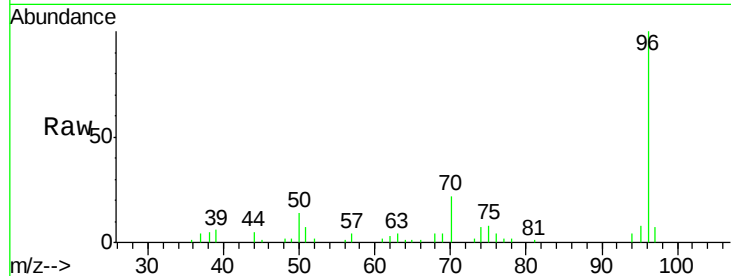
Ion Ratio Lower Upper

96 100

70 20.1 17.1 25.7

95 0.0 7.6 11.4#

97 0.0 0.0 0.0

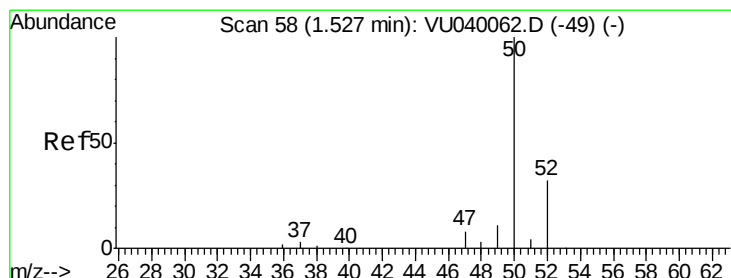
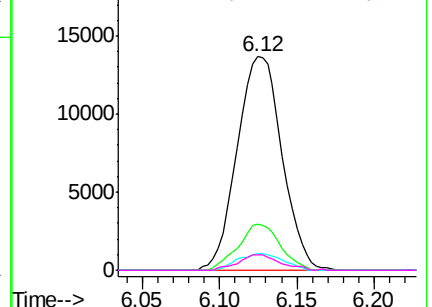
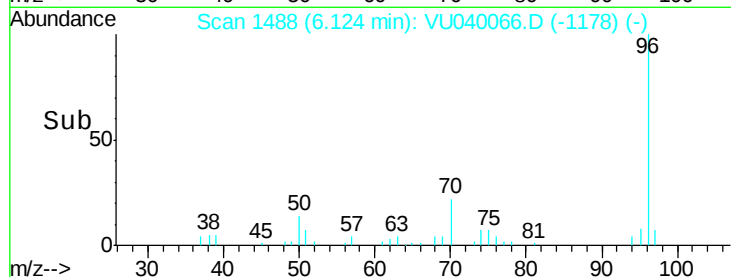


Abundance Ion 96.00 (95.70 to 96.70): VU0

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



#3

Chloromethane

Concen: 0.022 ug/l

RT: 1.54 min Scan# 61

Delta R.T. 0.01 min

Lab File: VU040066.D

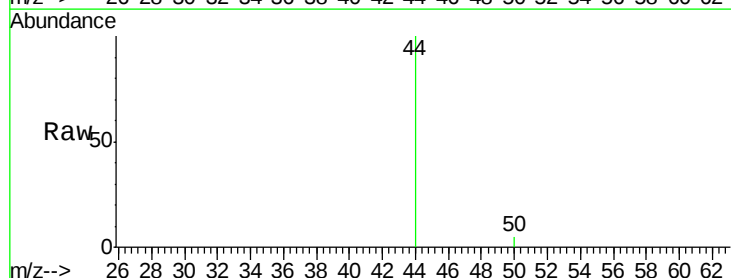
Acq: 09 Sep 2020 17:15

Tgt Ion: 50 Resp: 184

Ion Ratio Lower Upper

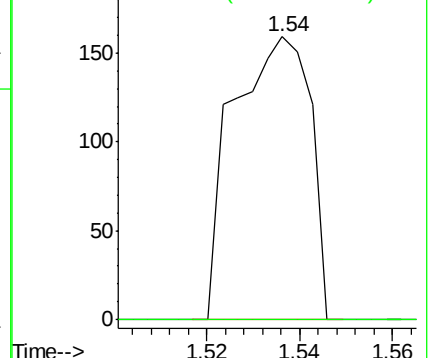
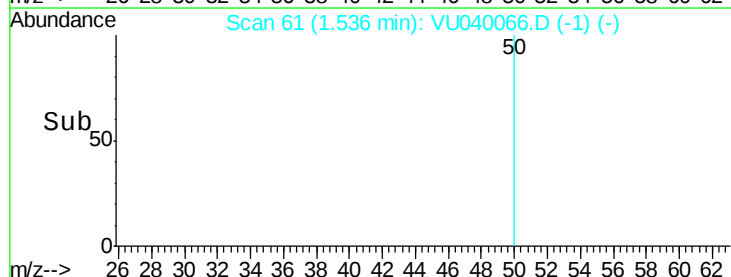
50 100

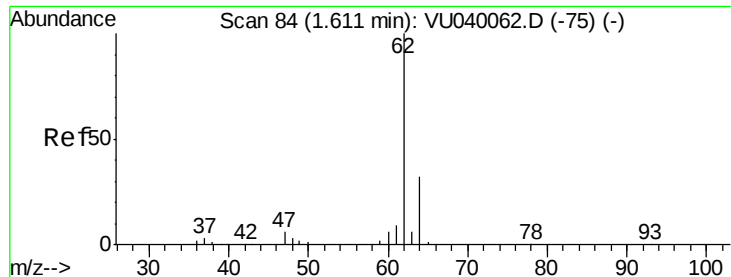
52 0.0 25.9 38.9#



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#4

Vinyl Chloride

Concen: 55.312 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

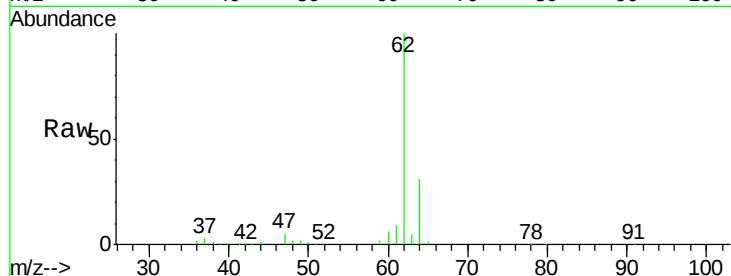
TEST

Tgt Ion: 62 Resp: 450719

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU040062.D (-75) (-)

Ion 64.00 (63.70 to 64.70): VU040062.D (-75) (-)

1.61

400000

300000

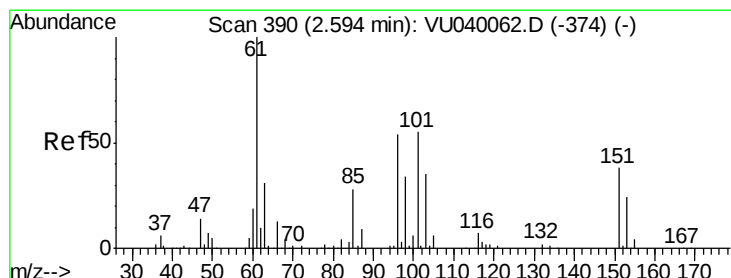
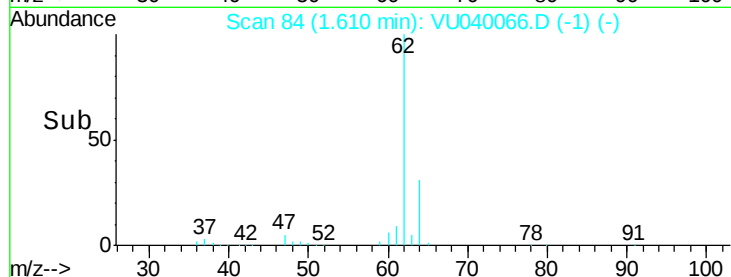
200000

100000

0

1.55 1.60 1.65 1.70

Time-->



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.023 ug/l

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

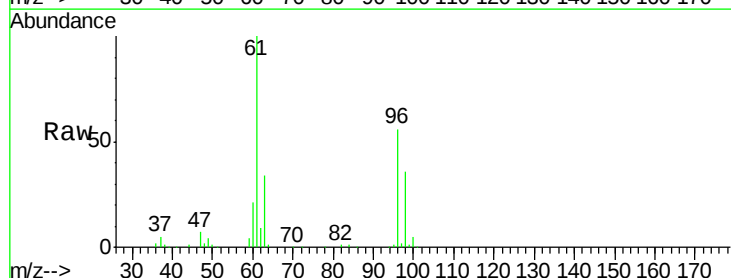
Tgt Ion: 101 Resp: 163

Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

151 0.0 54.6 81.8#



Abundance Ion 101.00 (100.70 to 101.70): VU040062.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU040062.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU040062.D (-374) (-)

2.58

200

150

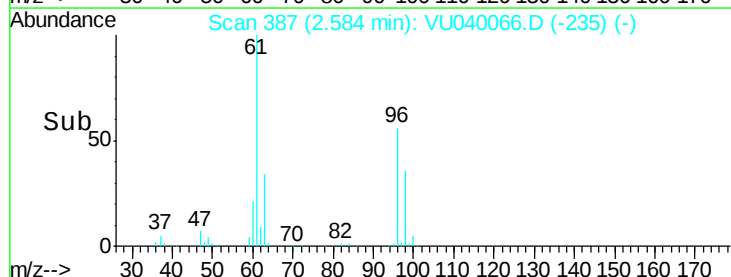
100

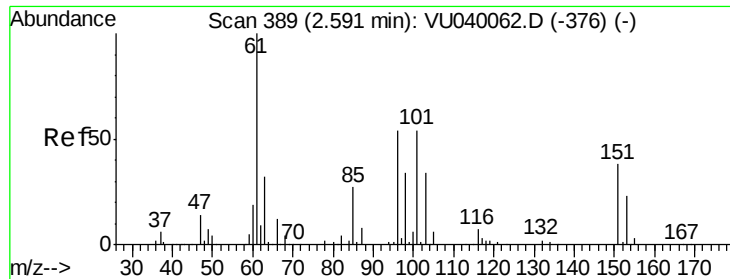
50

0

2.58 2.60

Time-->





#9

1,1-Dichloroethene

Concen: 18.800 ug/l

RT: 2.59 min Scan# 390

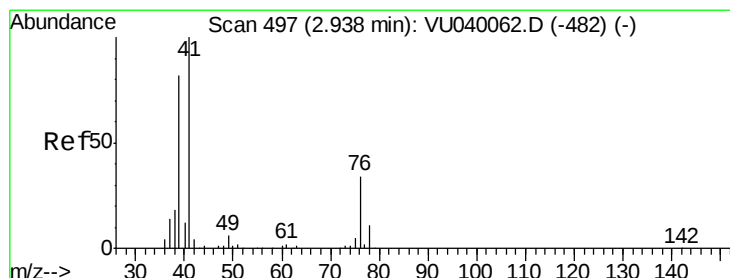
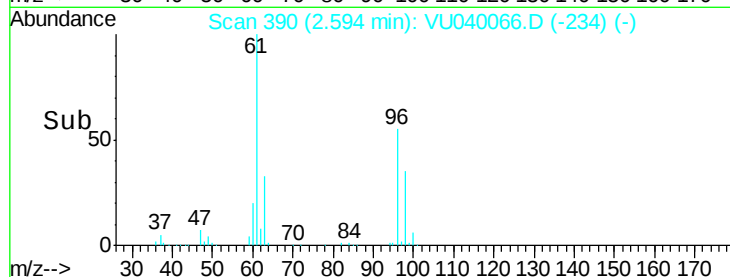
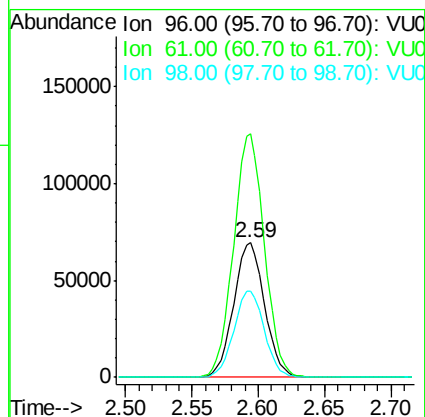
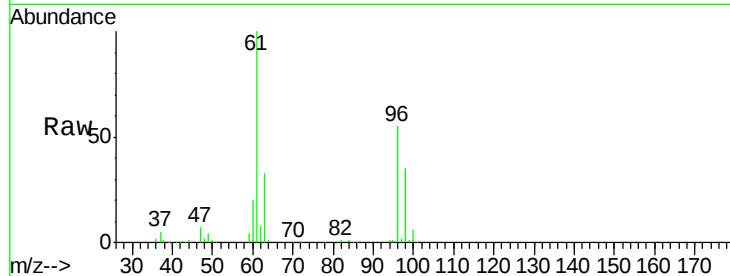
Delta R.T. 0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :
MSVOA_U
ClientSampled :
TEST

Tgt Ion:	96	Resp:	112181
Ion	Ratio	Lower	Upper
96	100		
61	180.7	0.0	557.1
98	64.0	0.0	125.6



#11

Allyl Chloride

Concen: 0.012 ug/l

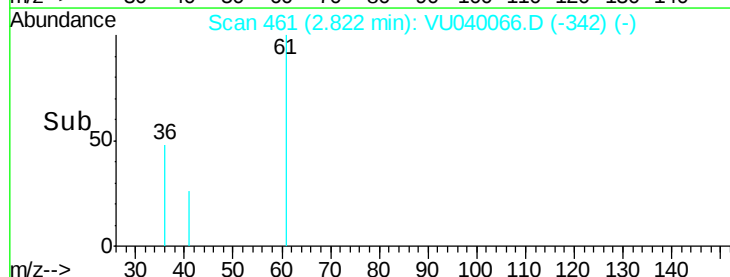
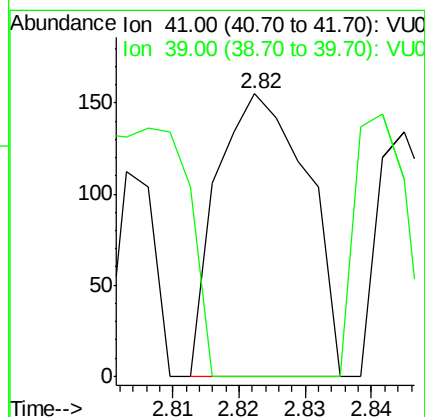
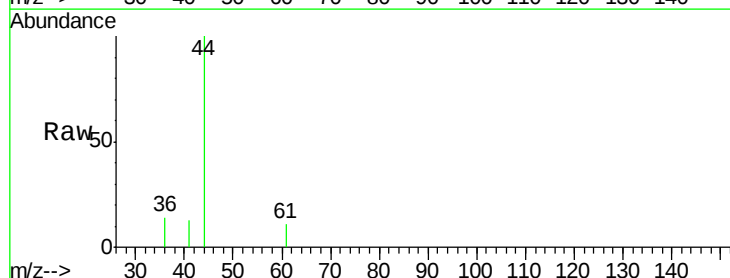
RT: 2.82 min Scan# 461

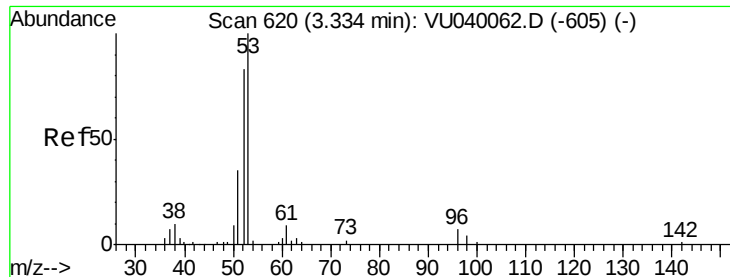
Delta R.T. -0.12 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Tgt Ion:	41	Resp:	146
Ion	Ratio	Lower	Upper
41	100		
39	51.4	64.6	96.8#





#12

Acrylonitrile

Concen: 0.021 ug/l

RT: 3.35 min Scan# 624

Delta R.T. 0.01 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

TEST

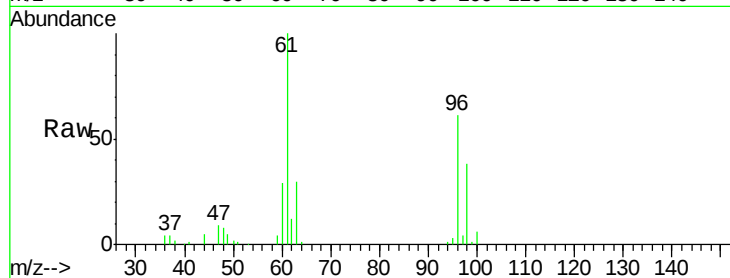
Tgt Ion: 53 Resp: 44

Ion Ratio Lower Upper

53 100

52 0.0 64.0 96.0#

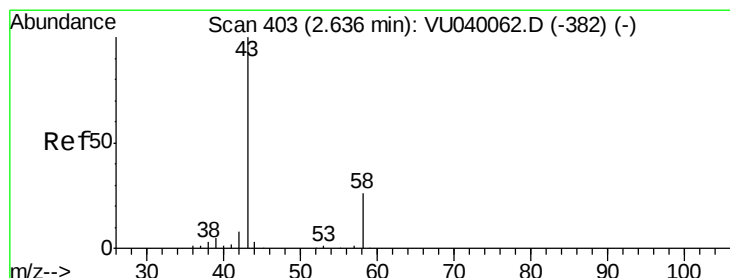
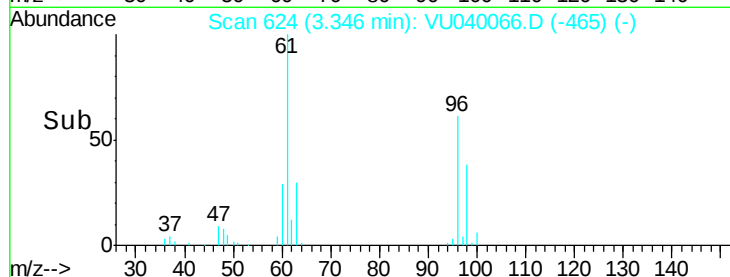
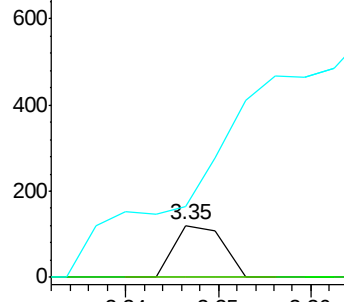
51 3140.9 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#13

Acetone

Concen: 0.191 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.02 min

Lab File: VU040066.D

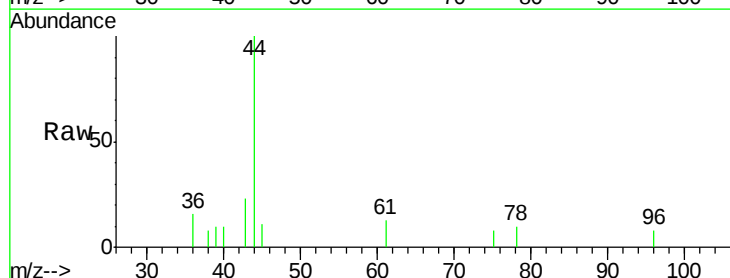
Acq: 09 Sep 2020 17:15

Tgt Ion: 43 Resp: 363

Ion Ratio Lower Upper

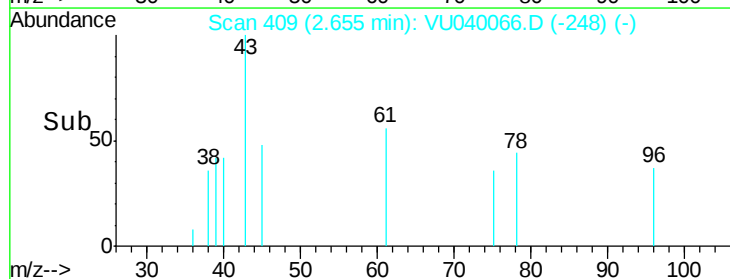
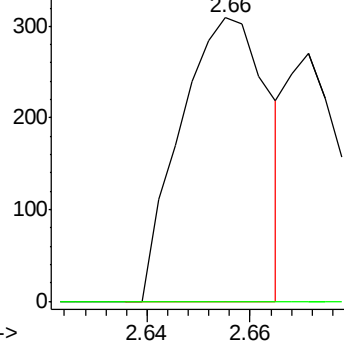
43 100

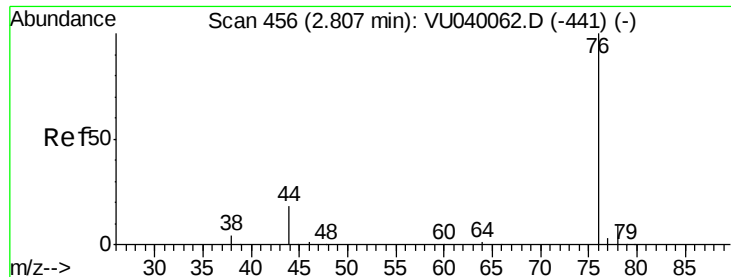
58 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon Disulfide

Concen: 0.025 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampled :

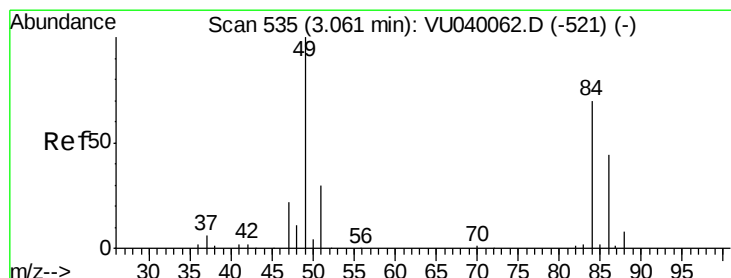
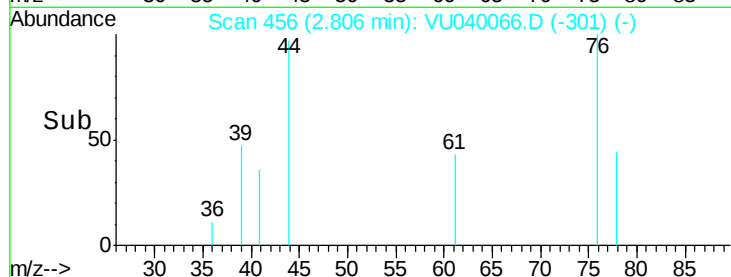
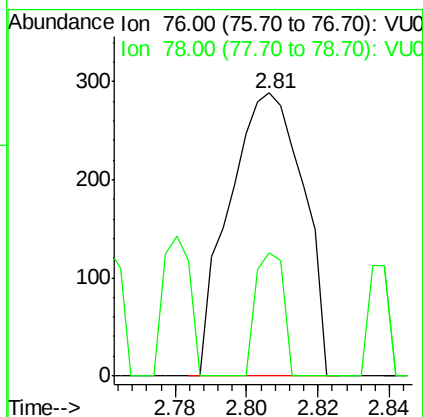
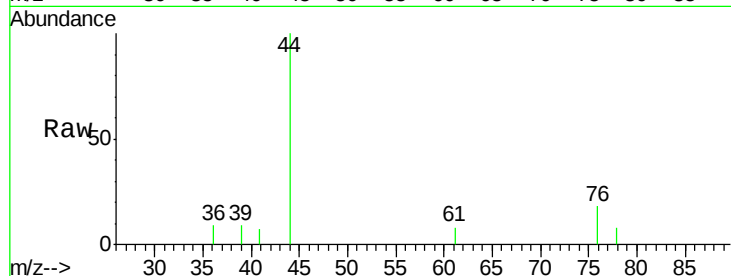
TEST

Tgt Ion: 76 Resp: 411

Ion Ratio Lower Upper

76 100

78 43.8 7.2 10.8#



#15

Methylene Chloride

Concen: 14.397 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Tgt Ion: 84 Resp: 102304

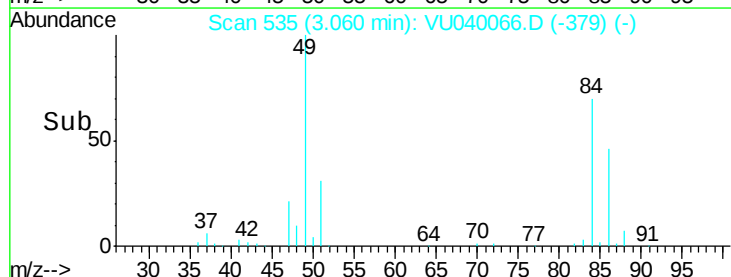
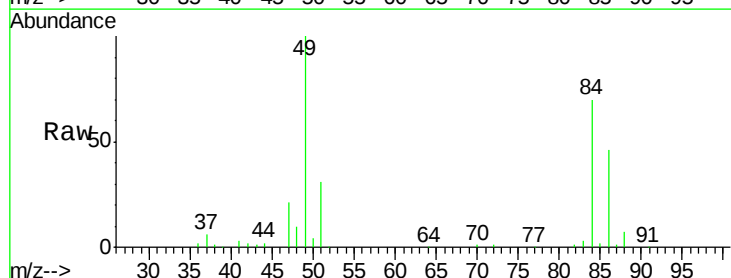
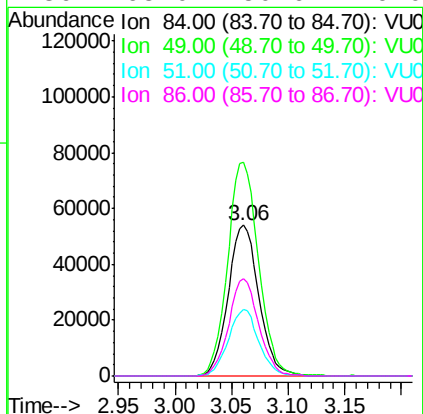
Ion Ratio Lower Upper

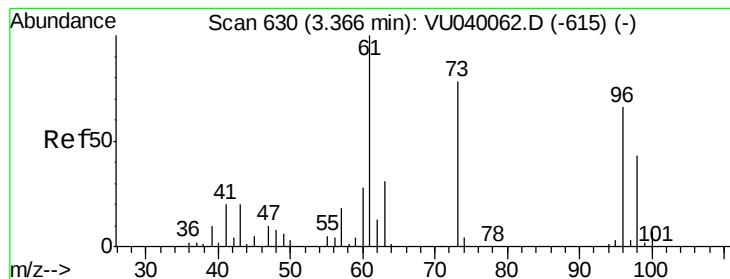
84 100

49 141.9 114.3 171.5

51 44.2 0.0 84.6

86 65.0 50.6 76.0





#16

trans-1,2-Dichloroethene

Concen: 20.341 ug/l

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

TEST

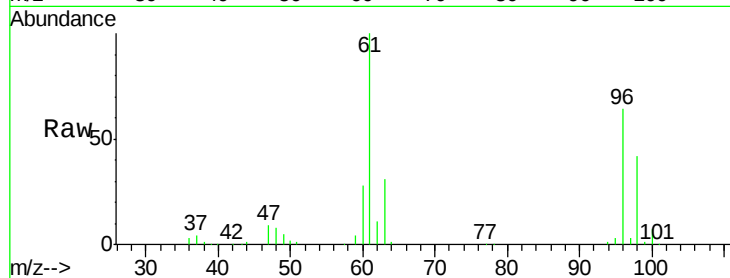
Tgt Ion: 96 Resp: 131785

Ion Ratio Lower Upper

96 100

61 155.1 121.4 182.0

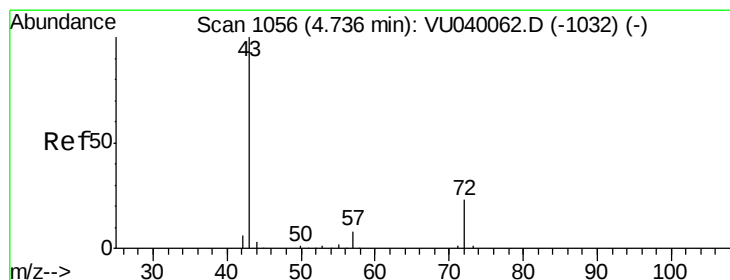
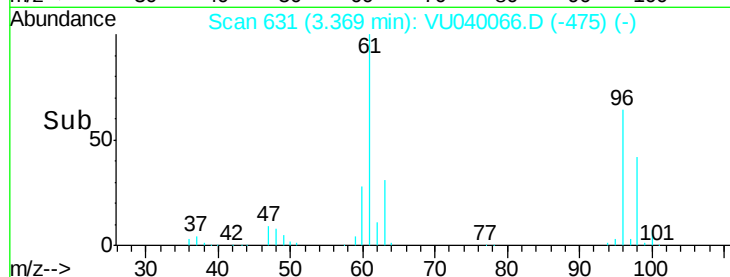
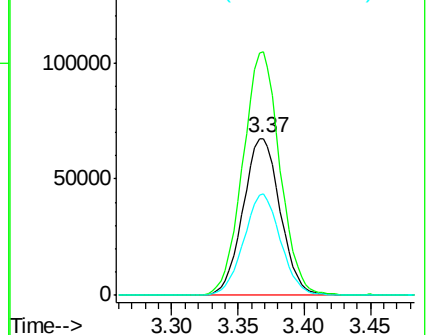
98 64.7 51.9 77.9



Abundance Ion 96.00 (95.70 to 96.70): VU040066.D (-615) (-)

Ion 61.00 (60.70 to 61.70): VU040066.D (-615) (-)

Ion 98.00 (97.70 to 98.70): VU040066.D (-615) (-)



#18

2-Butanone

Concen: 0.041 ug/l

RT: 4.73 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VU040066.D

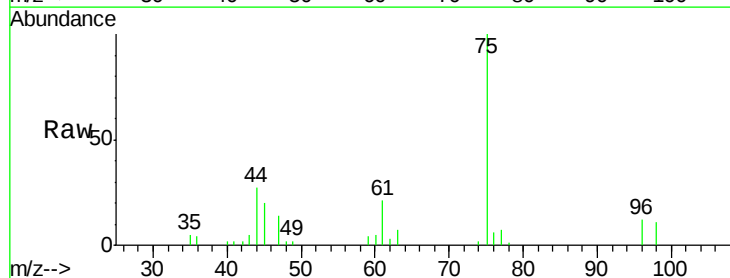
Acq: 09 Sep 2020 17:15

Tgt Ion: 43 Resp: 118

Ion Ratio Lower Upper

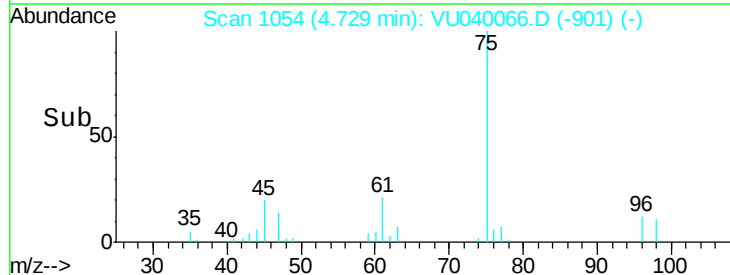
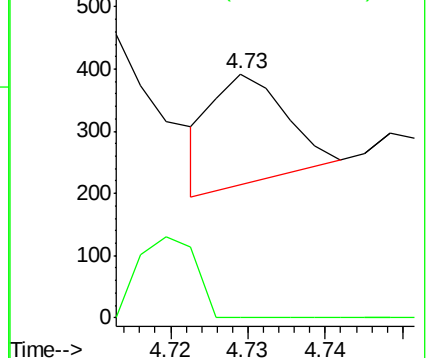
43 100

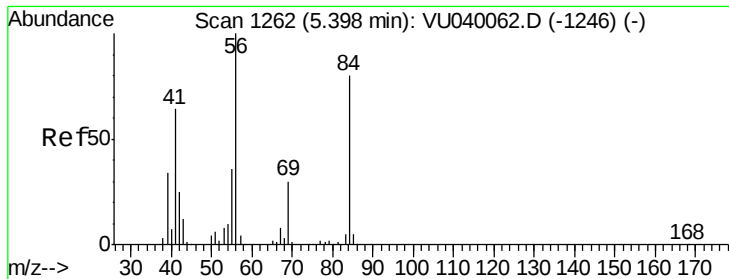
57 0.0 0.0 15.2



Abundance Ion 43.00 (42.70 to 43.70): VU040066.D (-1032) (-)

Ion 57.00 (56.70 to 57.70): VU040066.D (-1032) (-)

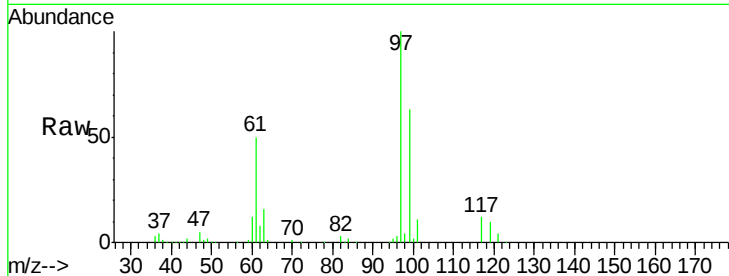




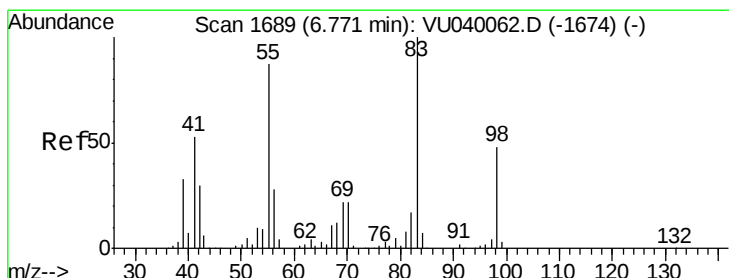
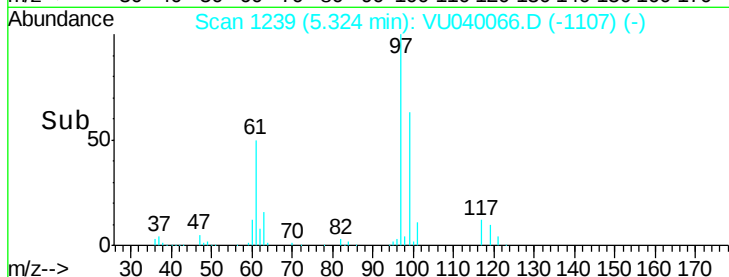
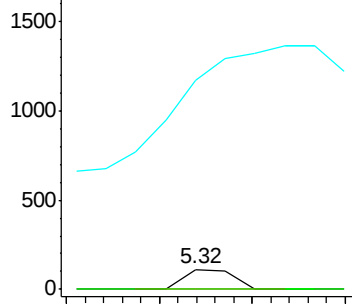
#19
Cyclohexane
Concen: 0.004 ug/l
RT: 5.32 min Scan# 1239
Delta R.T. -0.07 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

Instrument :
MSVOA_U
ClientSampleId :
TEST

Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
69 0.0 23.5 35.3#
84 7257.1 63.8 95.6#

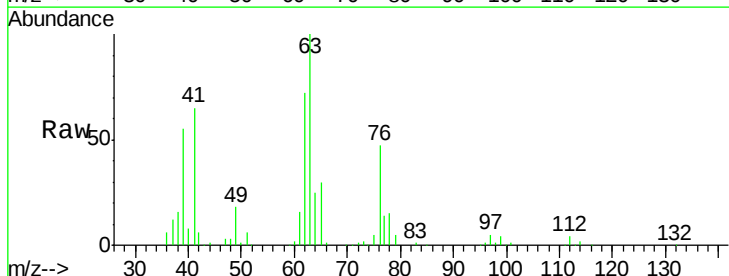


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

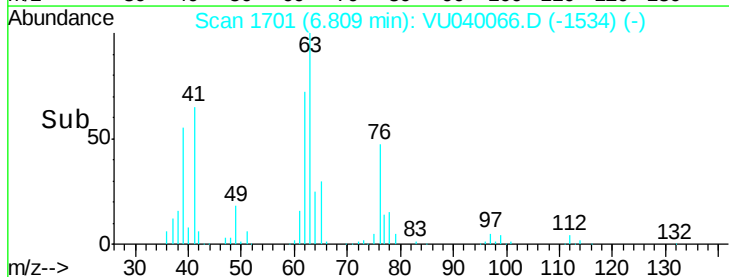
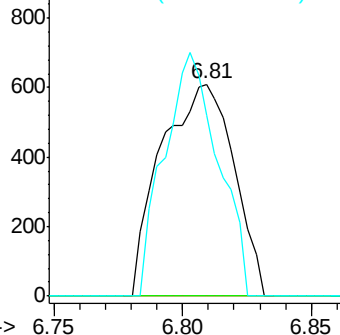


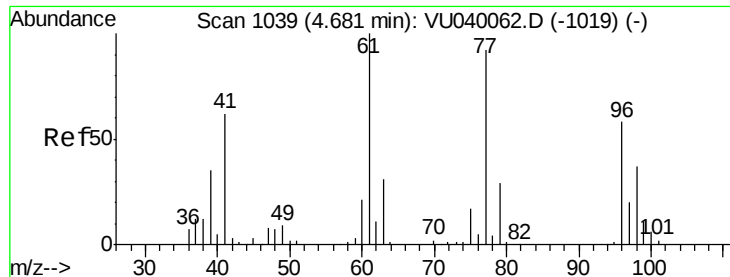
#20
Methylcyclohexane
Concen: 0.110 ug/l
RT: 6.81 min Scan# 1701
Delta R.T. 0.04 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

Tgt Ion: 83 Resp: 1196
Ion Ratio Lower Upper
83 100
55 0.0 69.4 104.2#
98 85.3 37.5 56.3#



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

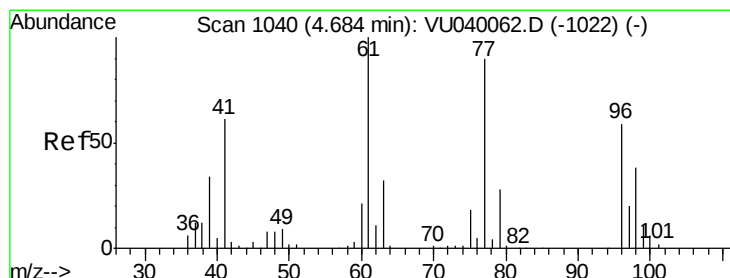
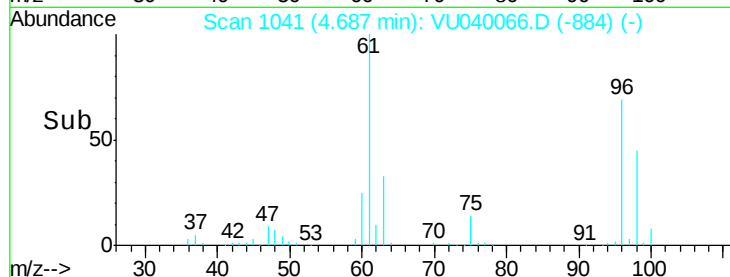
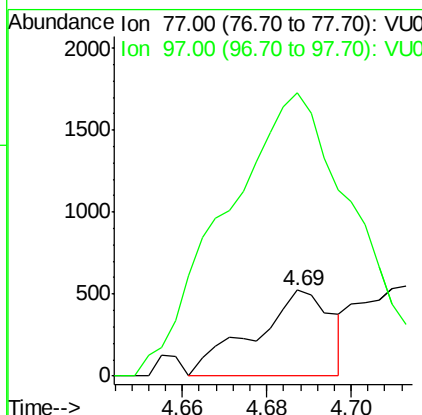
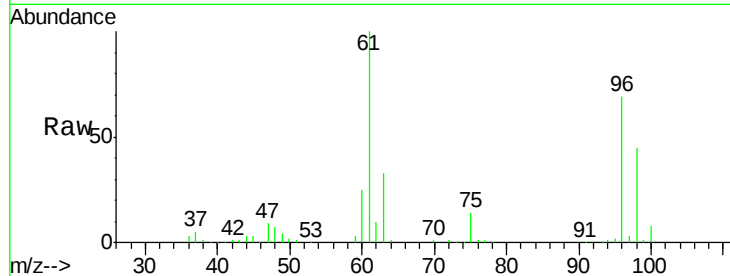




#21
 2,2-Dichloropropane
 Concen: 0.050 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

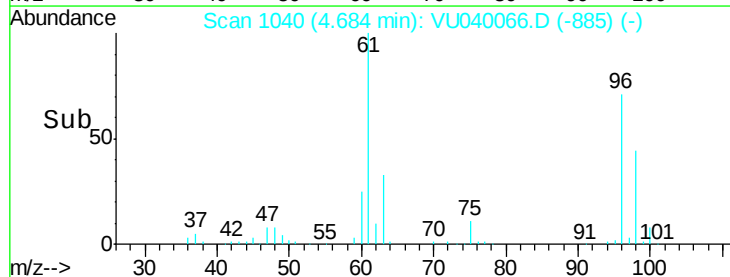
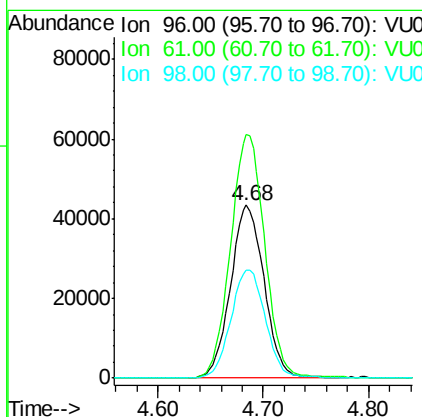
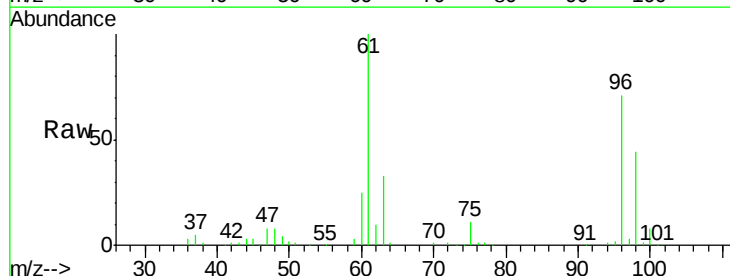
Instrument :
 MSVOA_U
 ClientSampleId :
 TEST

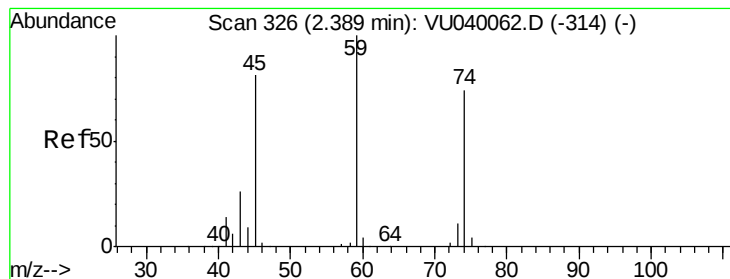
Tgt Ion: 77 Resp: 668
 Ion Ratio Lower Upper
 77 100
 97 550.4 16.4 24.6#



#22
 cis-1,2-Dichloroethene
 Concen: 12.723 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion: 96 Resp: 96006
 Ion Ratio Lower Upper
 96 100
 61 143.5 0.0 420.0
 98 64.4 31.8 95.3





#23

Diethyl Ether

Concen: 1.366 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.21 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

TEST

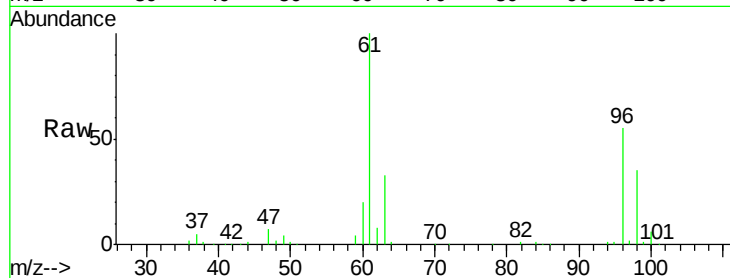
Tgt Ion: 59 Resp: 7723

Ion Ratio Lower Upper

59 100

45 1.4 62.4 93.6#

74 0.0 57.7 86.5#



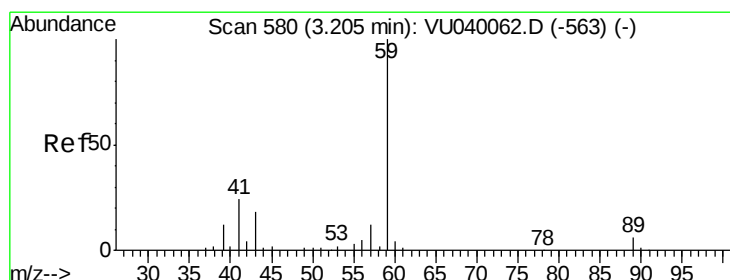
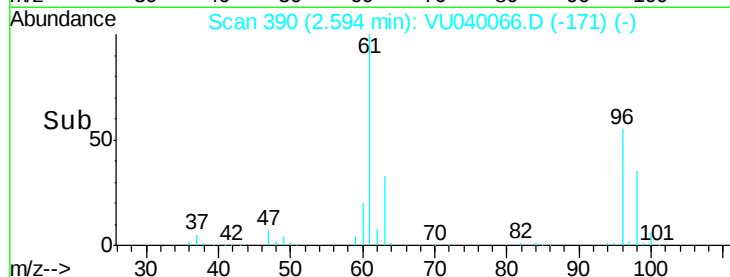
Abundance Ion 59.00 (58.70 to 59.70): VU040066.D (-390) (-)

Ion 45.00 (44.70 to 45.70): VU040066.D (-390) (-)

Ion 74.00 (73.70 to 74.70): VU040066.D (-390) (-)

2.59

Time-->



#24

tert-Butyl Alcohol

Concen: 3.202 ug/l

RT: 3.20 min Scan# 580

Delta R.T. -0.00 min

Lab File: VU040066.D

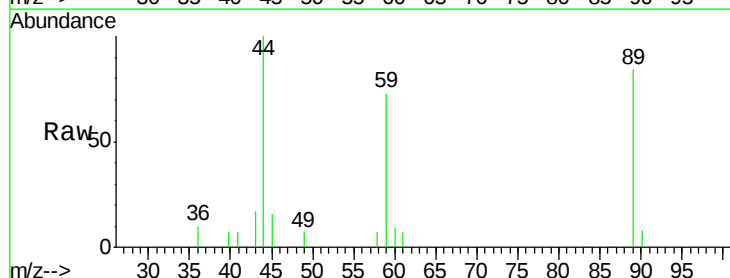
Acq: 09 Sep 2020 17:15

Tgt Ion: 59 Resp: 2436

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#

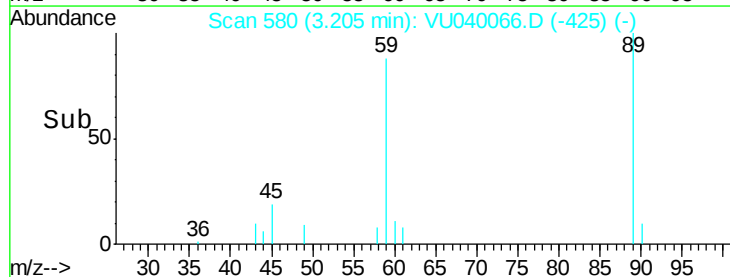


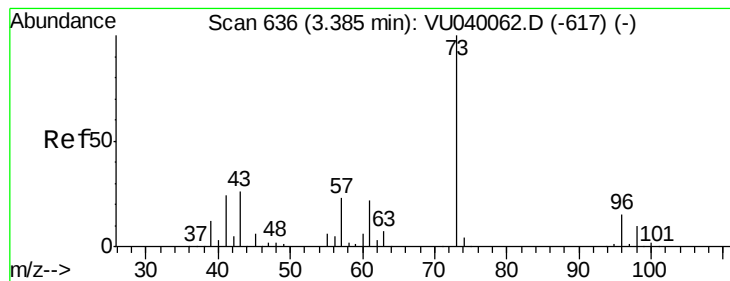
Abundance Ion 59.00 (58.70 to 59.70): VU040066.D (-580) (-)

Ion 57.00 (56.70 to 57.70): VU040066.D (-580) (-)

3.20

Time-->





#25

Methyl tert-Butyl Ether

Concen: 0.014 ug/l

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampled :

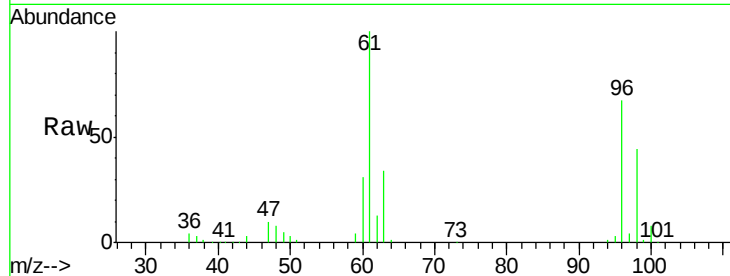
TEST

Tgt Ion: 73 Resp: 288

Ion Ratio Lower Upper

73 100

43 52.8 20.0 30.0#



Abundance Ion 73.00 (72.70 to 73.70): VU040062.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU040062.D (-617) (-)

3.38

250

200

150

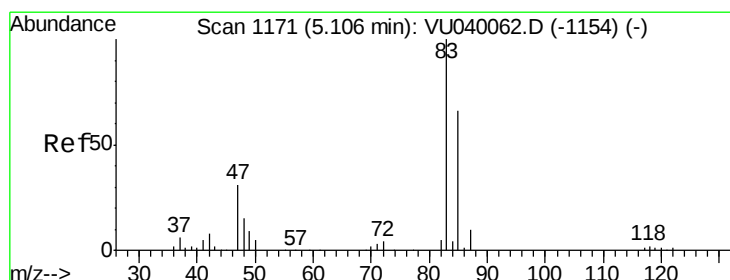
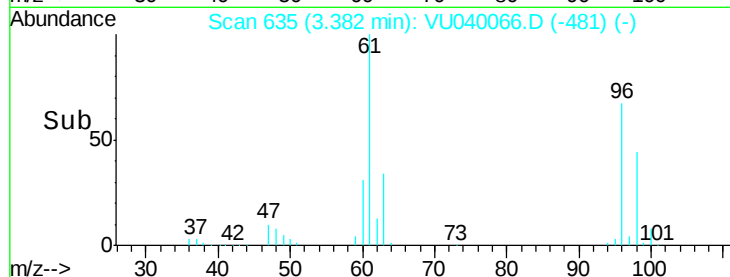
100

50

0

3.36 3.38 3.40 3.42

Time-->



#27

Chloroform

Concen: 0.074 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040066.D

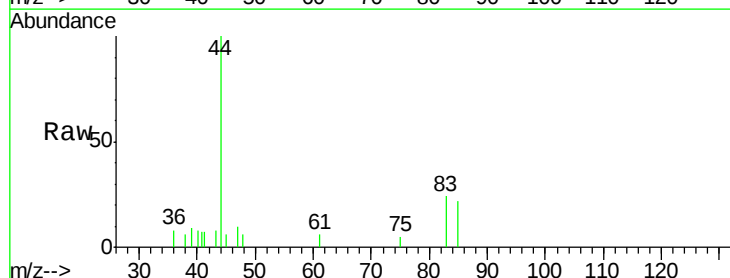
Acq: 09 Sep 2020 17:15

Tgt Ion: 83 Resp: 1066

Ion Ratio Lower Upper

83 100

85 91.4 0.0 132.4



Abundance Ion 83.00 (82.70 to 83.70): VU040062.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU040062.D (-1154) (-)

5.11

500

400

300

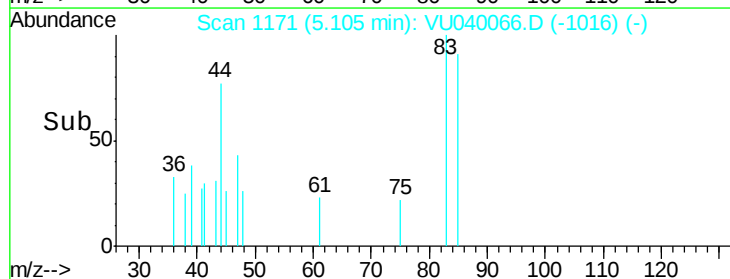
200

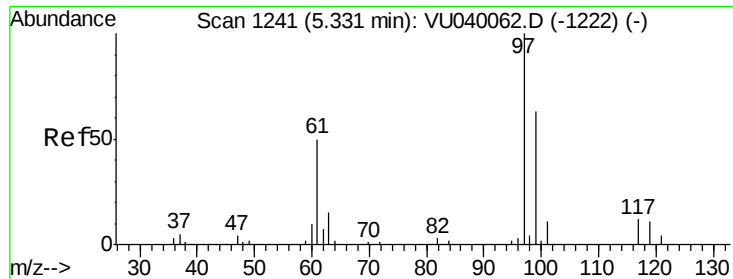
100

0

5.05 5.10 5.15

Time-->

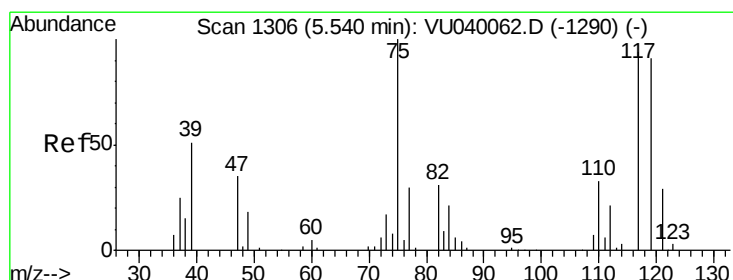
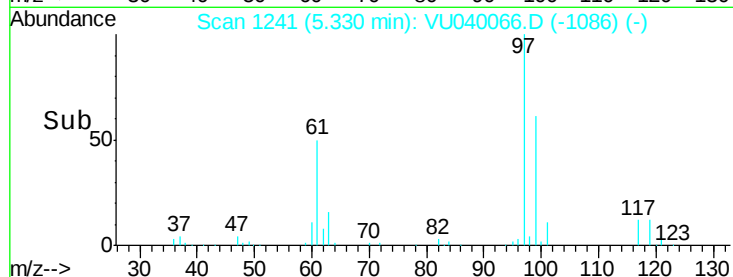
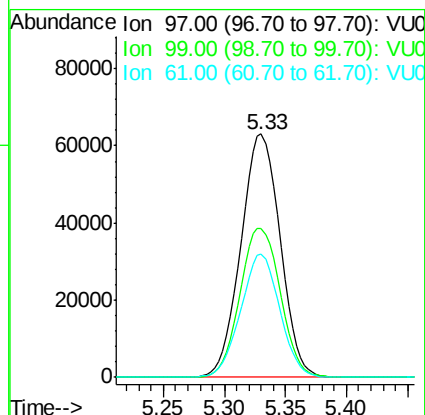
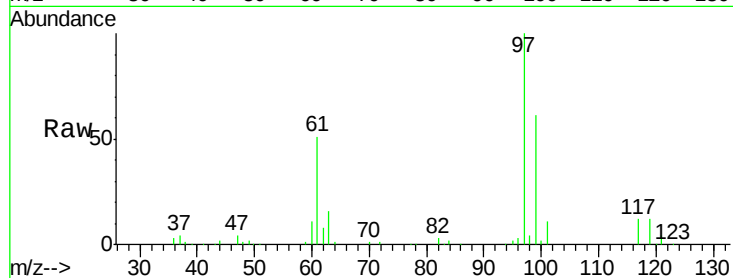




#28
 1,1,1-Trichloroethane
 Concen: 11.255 ug/l
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

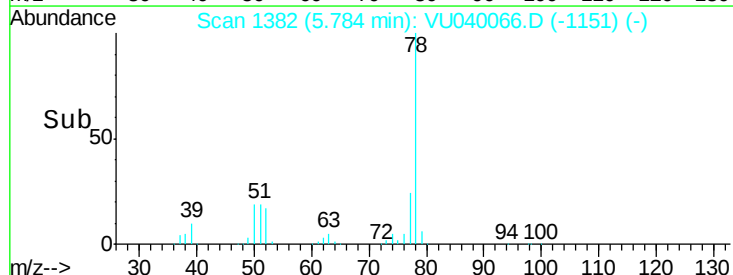
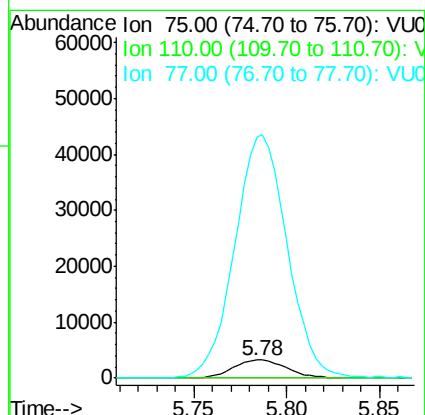
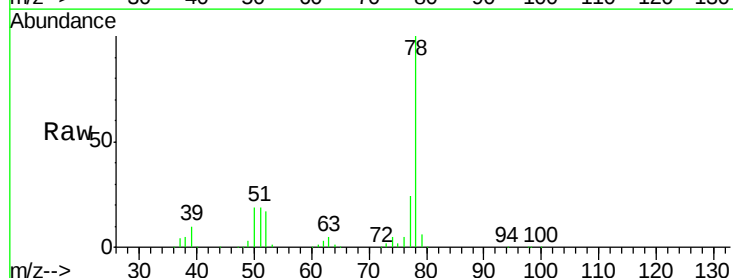
Instrument :
 MSVOA_U
 ClientSampleId :
 TEST

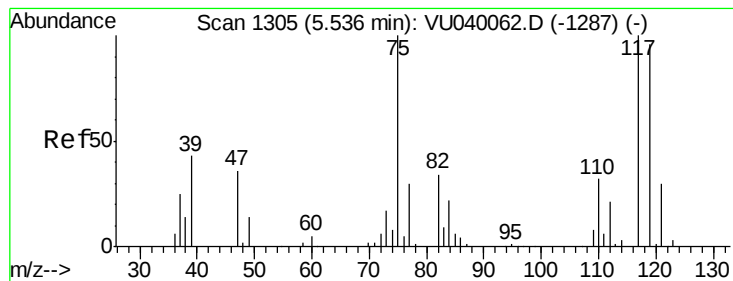
Tgt Ion: 97 Resp: 140467
 Ion Ratio Lower Upper
 97 100
 99 63.0 31.8 95.4
 61 50.3 25.1 75.2



#29
 1,1-Dichloropropene
 Concen: 0.621 ug/l
 RT: 5.78 min Scan# 1382
 Delta R.T. 0.24 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion: 75 Resp: 6598
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.2 48.6#
 77 1299.9 25.3 37.9#





#30

Carbon Tetrachloride

Concen: 14.656 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampled :

TEST

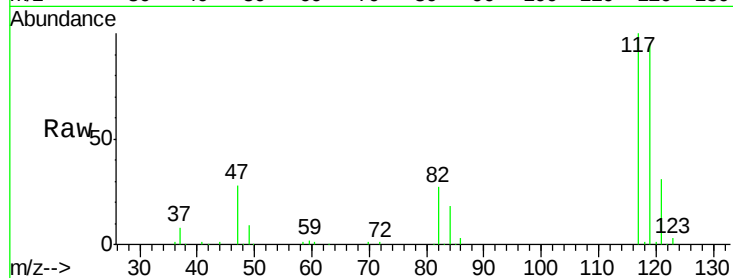
Tgt Ion: 117 Resp: 165925

Ion Ratio Lower Upper

117 100

119 95.3 77.0 115.4

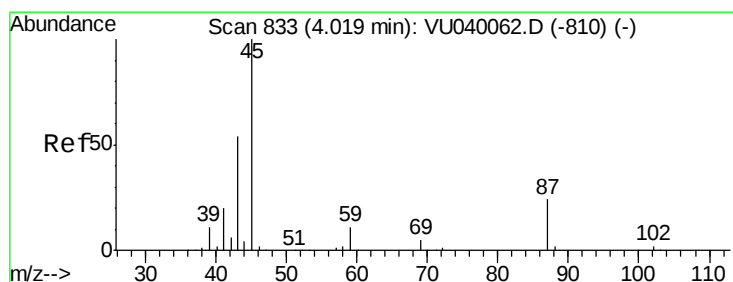
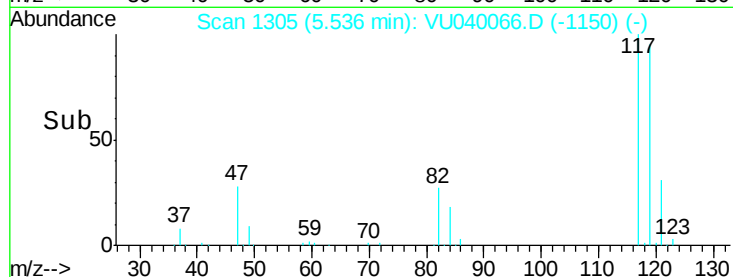
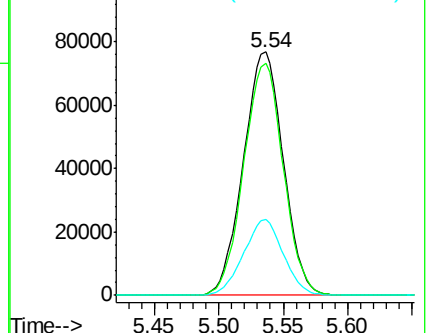
121 31.3 24.2 36.4



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



#31

Isopropyl Ether

Concen: 0.004 ug/l

RT: 4.08 min Scan# 853

Delta R.T. 0.06 min

Lab File: VU040066.D

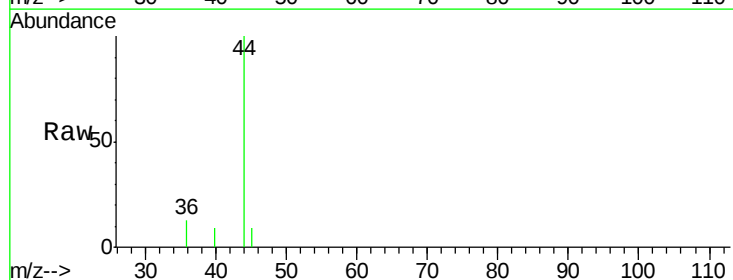
Acq: 09 Sep 2020 17:15

Tgt Ion: 45 Resp: 86

Ion Ratio Lower Upper

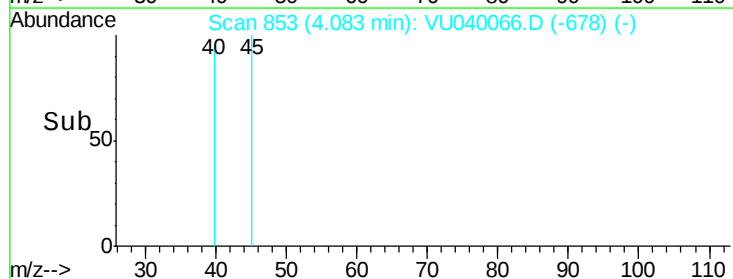
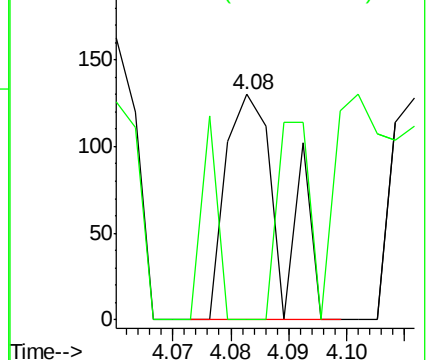
45 100

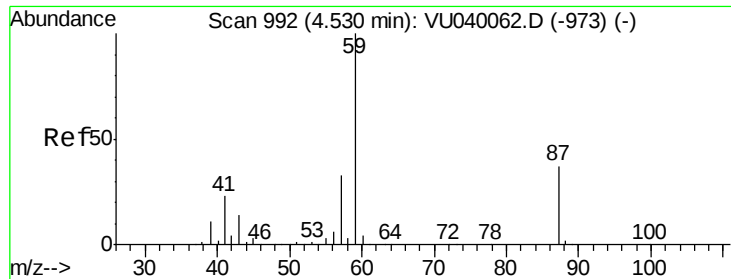
43 51.2 27.9 83.7



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

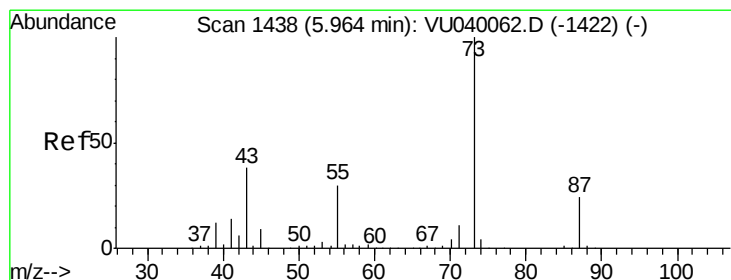
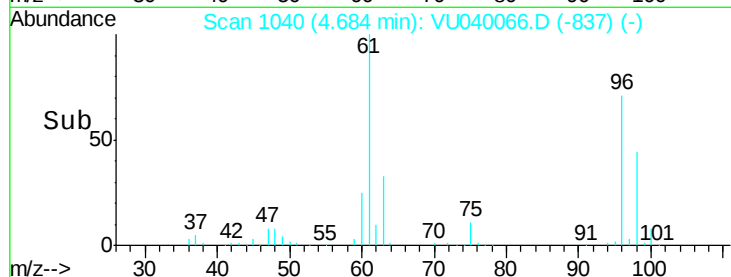
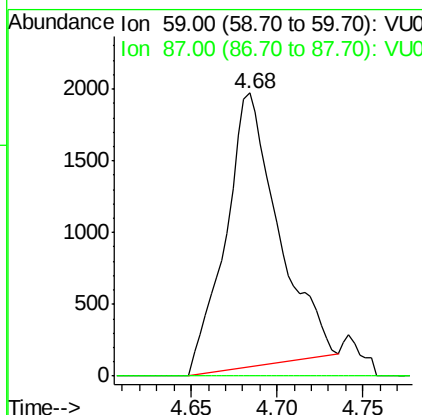
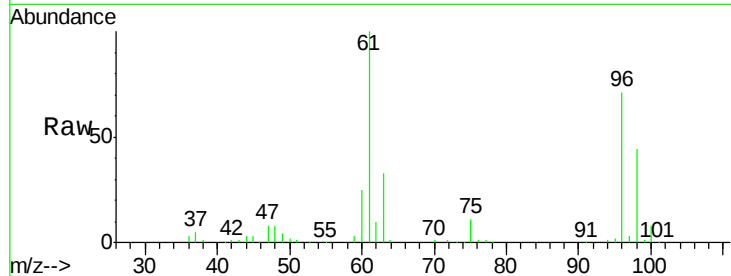




#32
 Ethyl-t-butyl ether
 Concen: 0.186 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.15 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

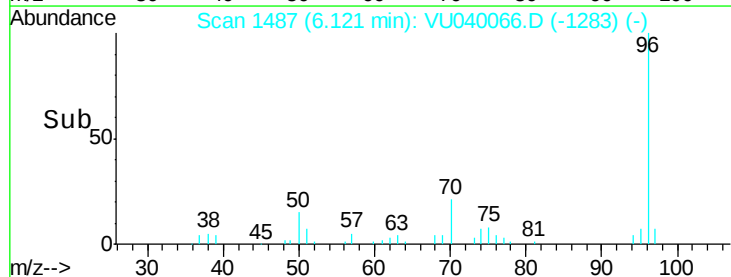
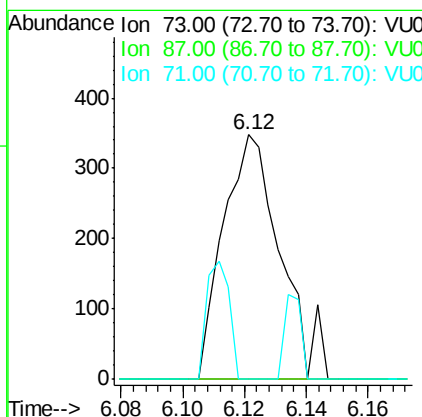
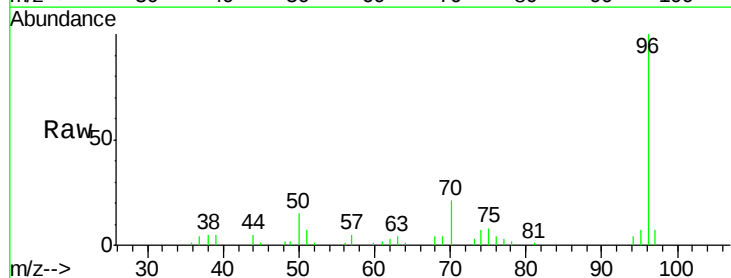
Instrument :
 MSVOA_U
 ClientSampleId :
 TEST

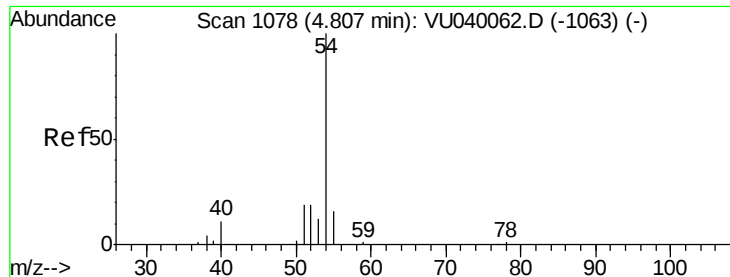
Tgt Ion: 59 Resp: 4095
 Ion Ratio Lower Upper
 59 100
 87 0.0 30.7 46.1#



#33
 Tert-Amyl methyl ether
 Concen: 0.023 ug/l
 RT: 6.12 min Scan# 1487
 Delta R.T. 0.16 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion: 73 Resp: 447
 Ion Ratio Lower Upper
 73 100
 87 0.0 19.4 29.0#
 71 19.2 9.2 13.8#

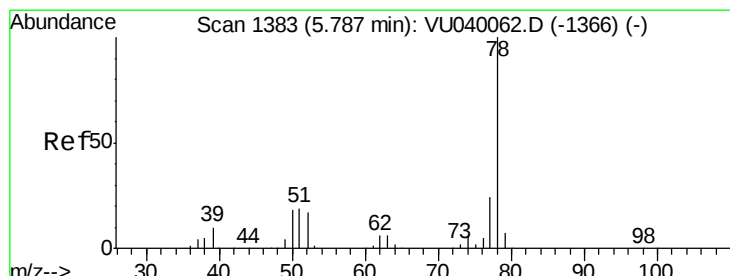
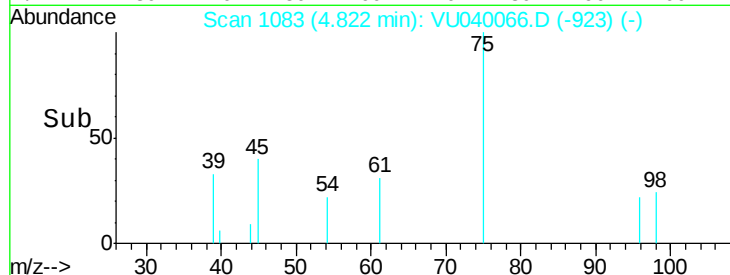
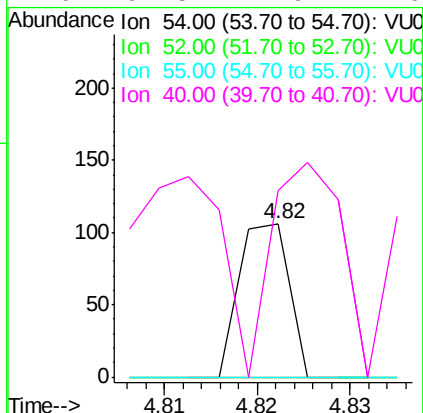
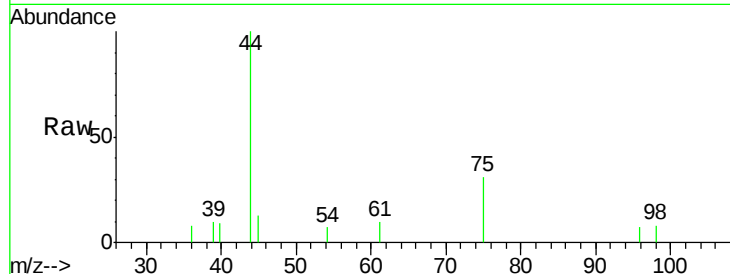




#34
 Propionitrile
 Concen: 0.054 ug/l
 RT: 4.82 min Scan# 1083
 Delta R.T. 0.02 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

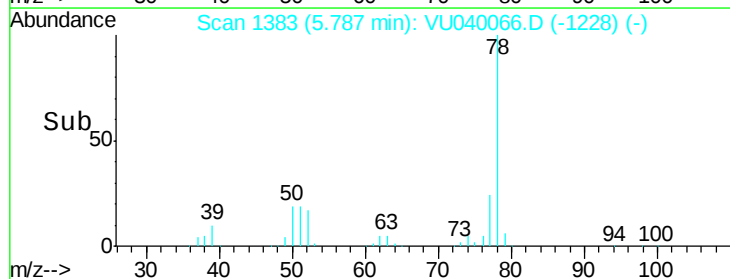
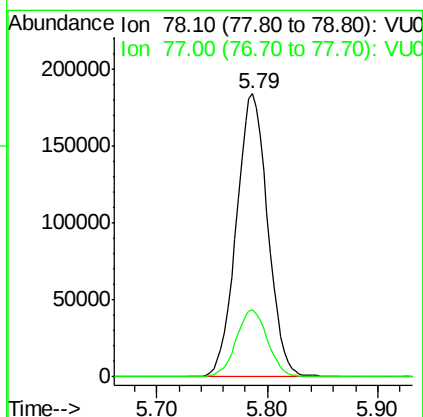
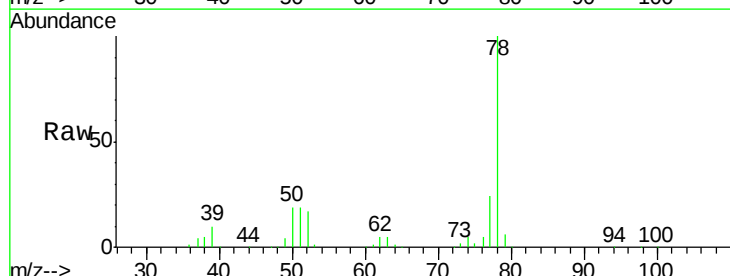
Instrument :
 MSVOA_U
 ClientSampleId :
 TEST

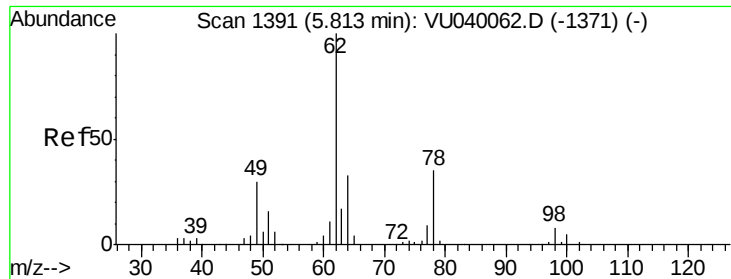
Tgt Ion: 54 Resp: 40
 Ion Ratio Lower Upper
 54 100
 52 0.0 16.2 24.4#
 55 0.0 12.6 18.8#
 40 192.5 7.9 11.9#



#35
 Benzene
 Concen: 12.323 ug/l
 RT: 5.79 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion: 78 Resp: 362362
 Ion Ratio Lower Upper
 78 100
 77 23.7 19.1 28.7

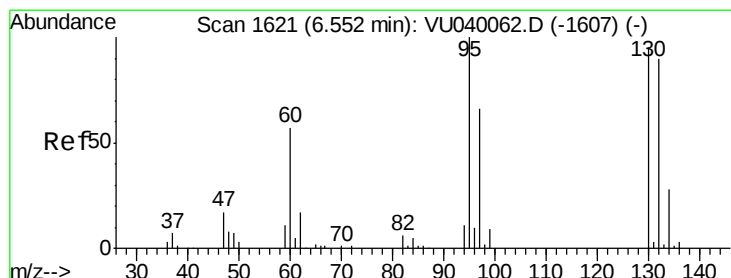
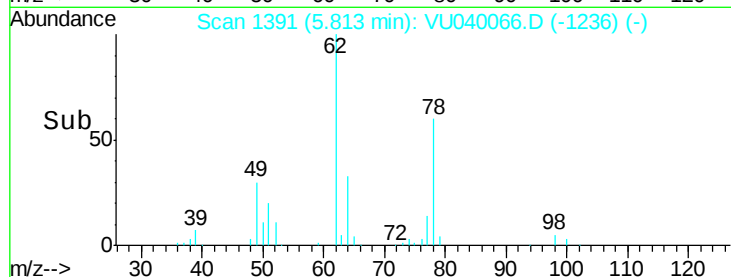
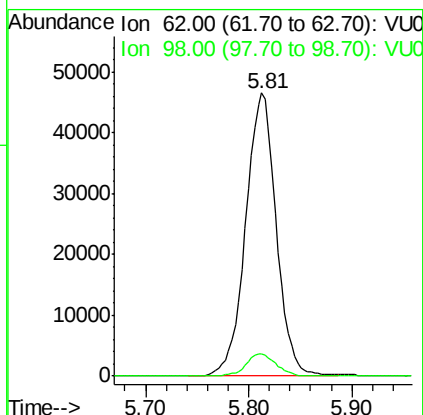
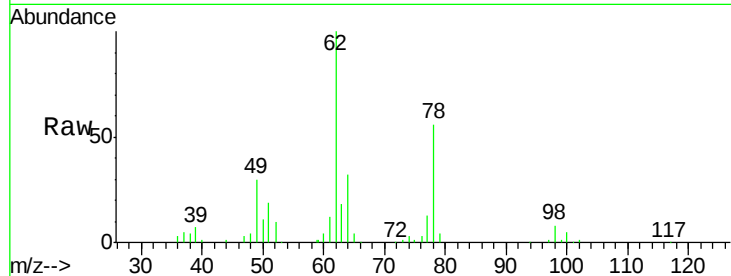




#36
1,2-Dichloroethane
Concen: 8.373 ug/l
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

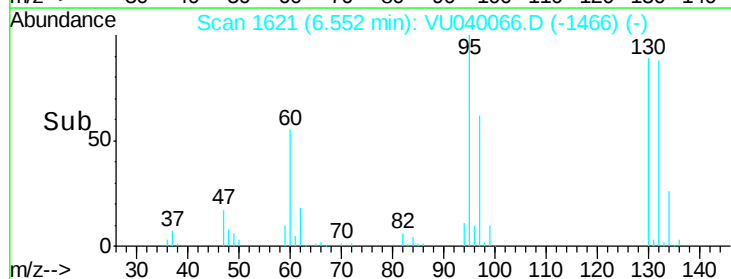
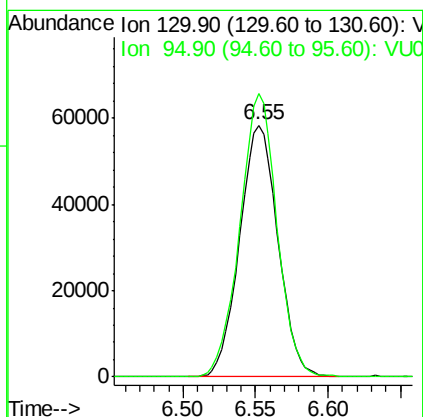
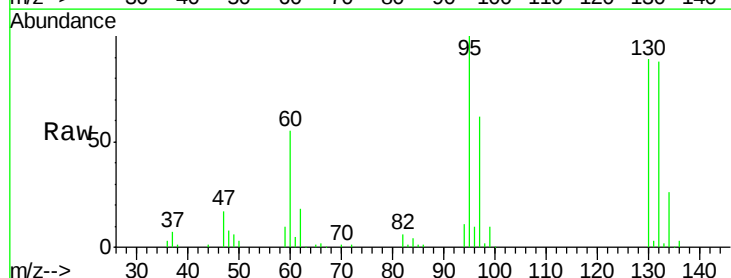
Instrument :
MSVOA_U
ClientSampleId :
TEST

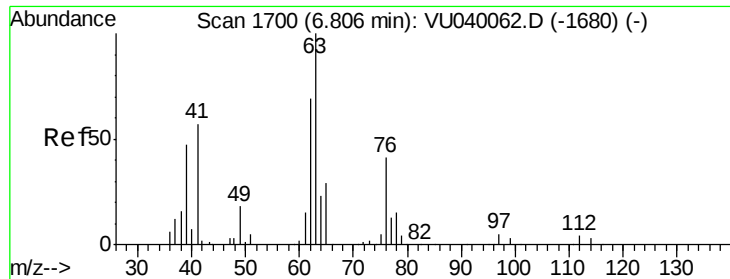
Tgt Ion: 62 Resp: 95783
Ion Ratio Lower Upper
62 100
98 7.7 6.5 9.7



#37
Trichloroethene
Concen: 14.359 ug/l
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

Tgt Ion: 130 Resp: 107353
Ion Ratio Lower Upper
130 100
95 112.5 84.2 126.2

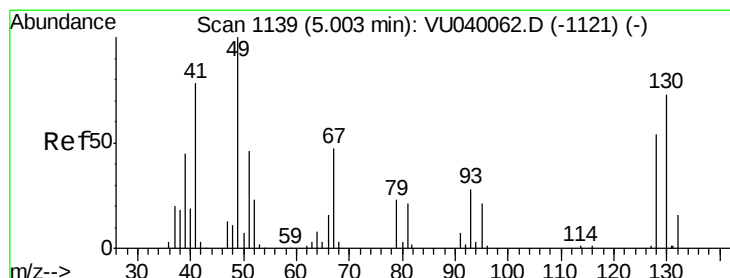
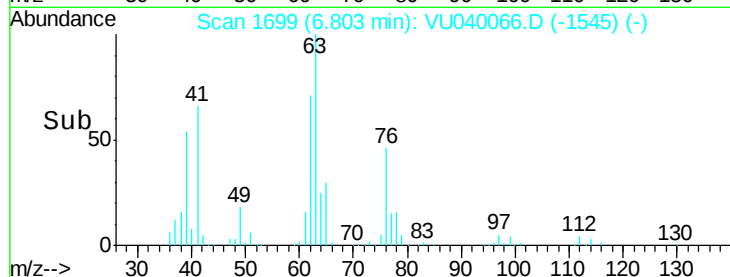
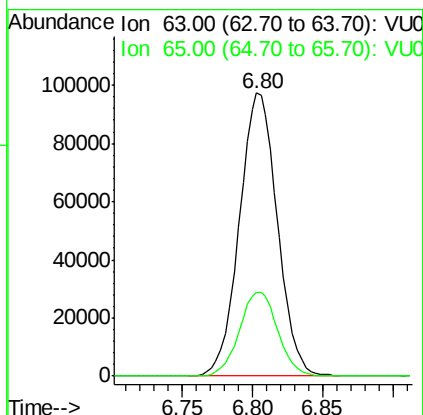
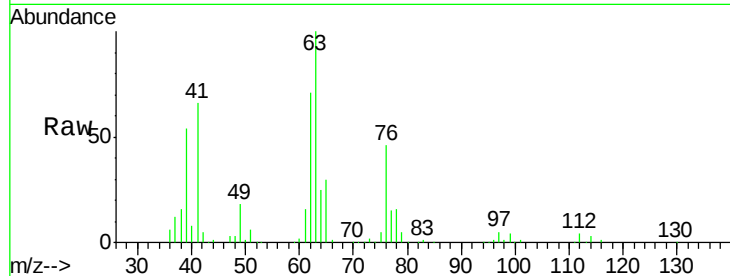




#38
 1,2-Dichloropropane
 Concen: 21.524 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

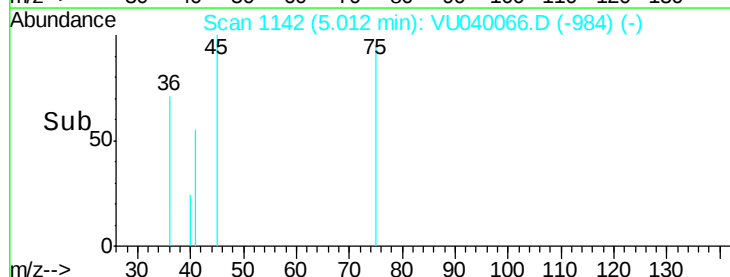
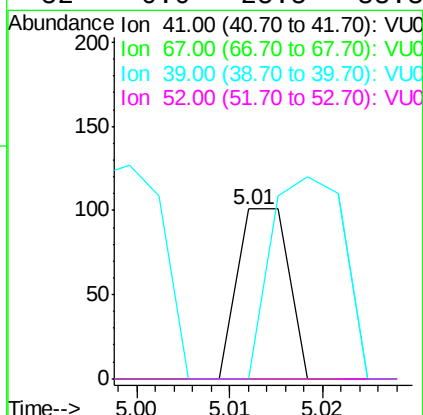
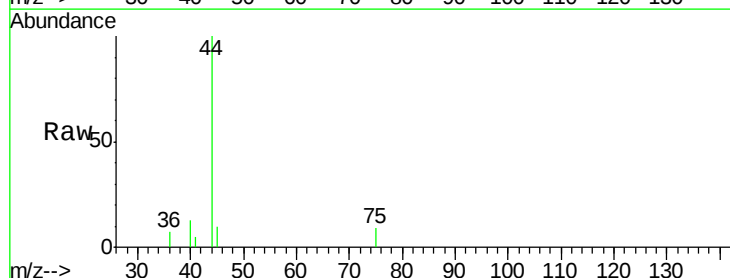
Instrument :
 MSVOA_U
 ClientSampleId :
 TEST

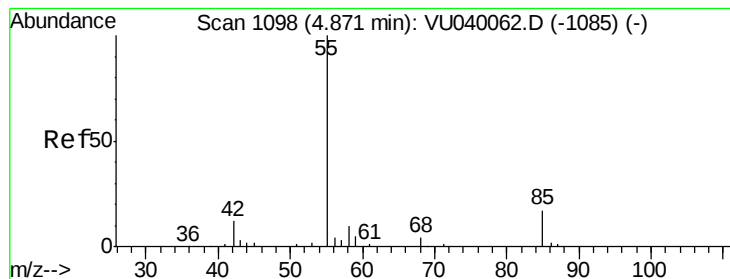
Tgt Ion: 63 Resp: 183259
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.0 34.6



#39
 Methacrylonitrile
 Concen: 0.010 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion: 41 Resp: 39
 Ion Ratio Lower Upper
 41 100
 67 0.0 49.2 73.8#
 39 166.7 46.5 69.7#
 52 0.0 25.5 38.3#





#40

Methyl acrylate

Concen: 0.018 ug/l

RT: 4.68 min Scan# 1039

Delta R.T. -0.19 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

TEST

Tgt Ion: 55 Resp: 89

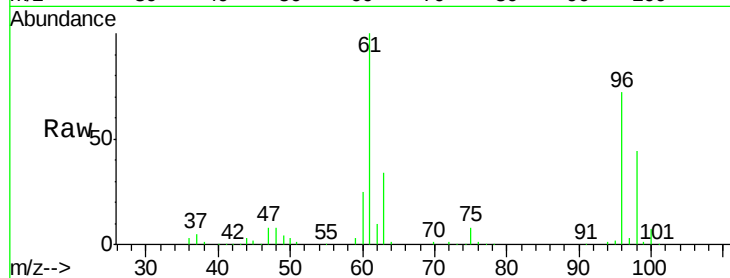
Ion Ratio Lower Upper

55 100

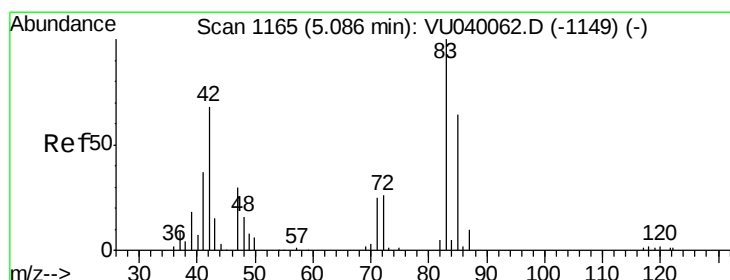
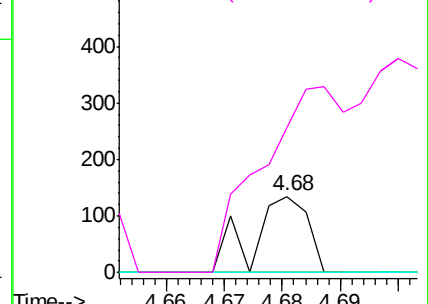
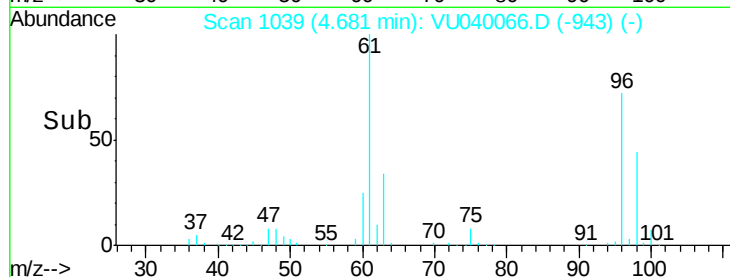
85 0.0 13.3 19.9#

58 0.0 7.5 11.3#

42 367.4 8.9 13.3#



Abundance Ion 55.00 (54.70 to 55.70): VU040066.D (-943) (-)



#41

Tetrahydrofuran

Concen: 0.163 ug/l

RT: 5.09 min Scan# 1167

Delta R.T. 0.01 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

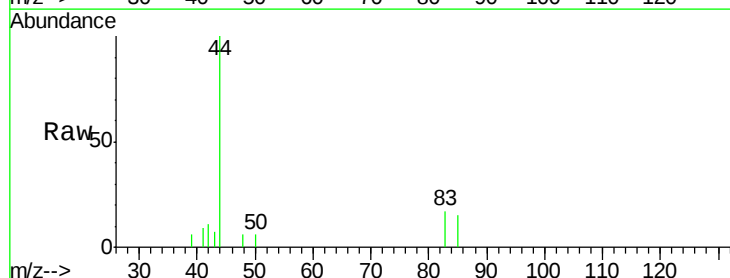
Tgt Ion: 42 Resp: 307

Ion Ratio Lower Upper

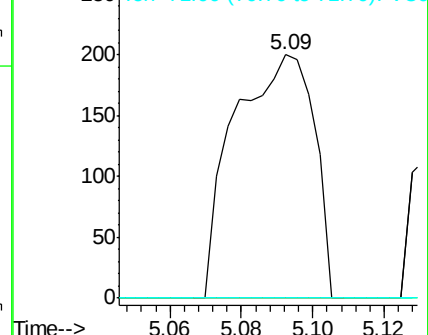
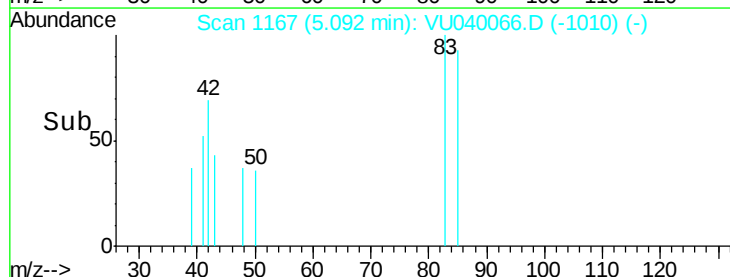
42 100

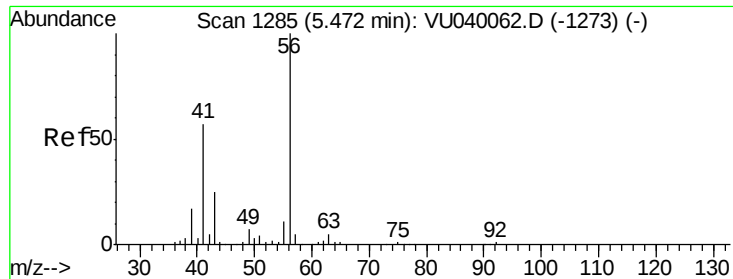
72 0.0 33.8 50.6#

71 0.0 30.9 46.3#



Abundance Ion 42.00 (41.70 to 42.70): VU040066.D (-1010) (-)

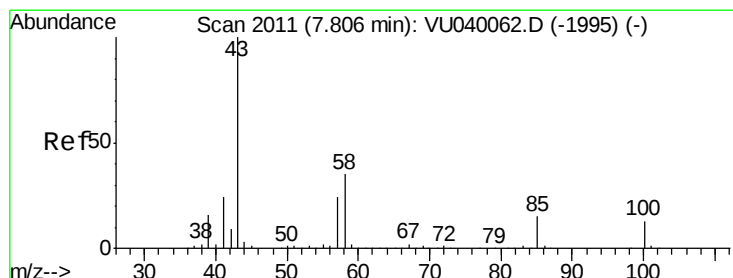
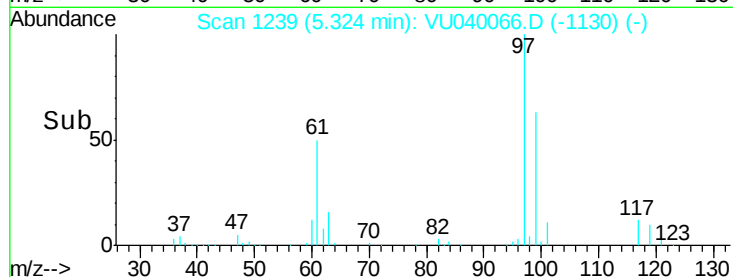
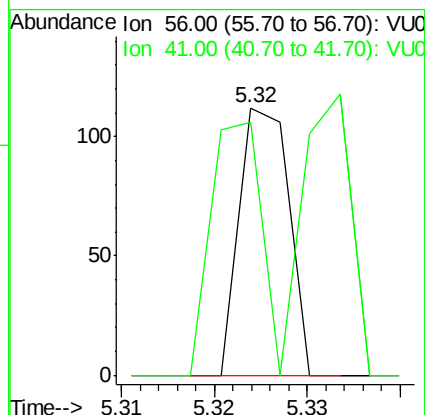
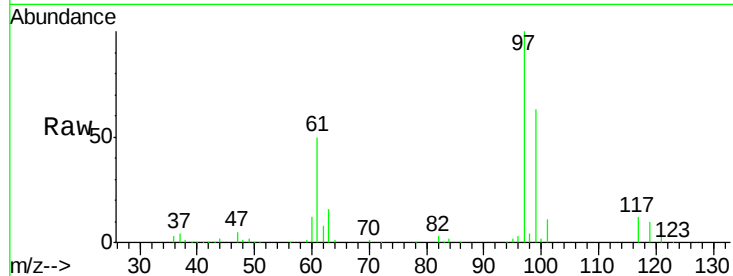




#42
 1-Chlorobutane
 Concen: 0.003 ug/l
 RT: 5.32 min Scan# 1239
 Delta R.T. -0.15 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

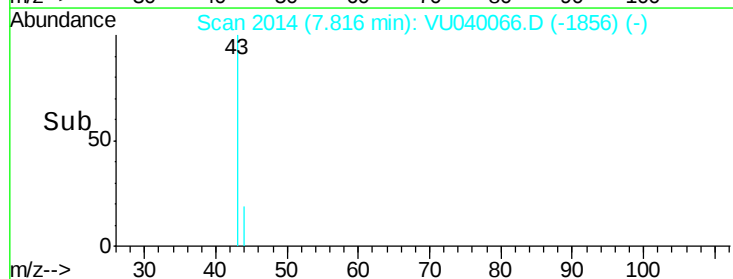
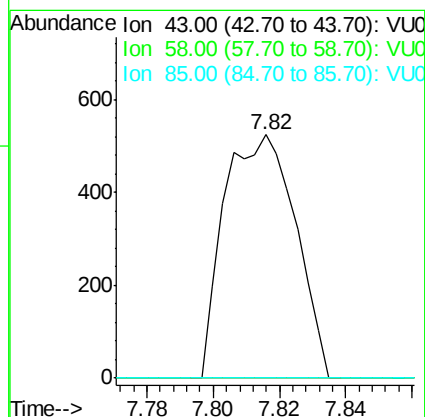
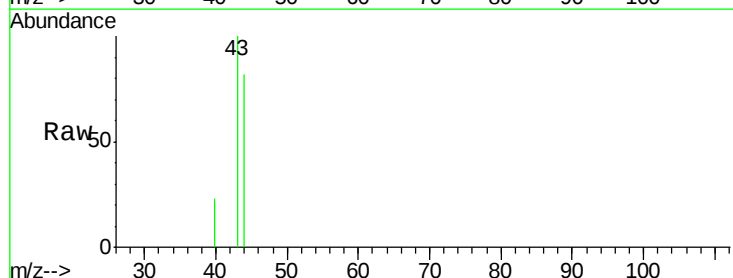
Instrument :
 MSVOA_U
 ClientSampled :
 TEST

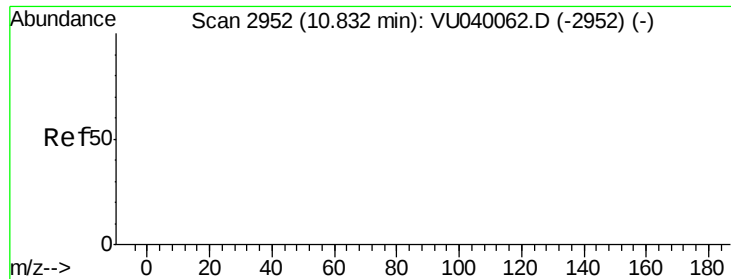
Tgt Ion: 56 Resp: 42
 Ion Ratio Lower Upper
 56 100
 41 95.2 29.2 87.6#



#45
 4-Methyl-2-Pentanone
 Concen: 0.117 ug/l
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.01 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion: 43 Resp: 783
 Ion Ratio Lower Upper
 43 100
 58 0.0 18.1 54.3#
 85 0.0 12.3 18.5#

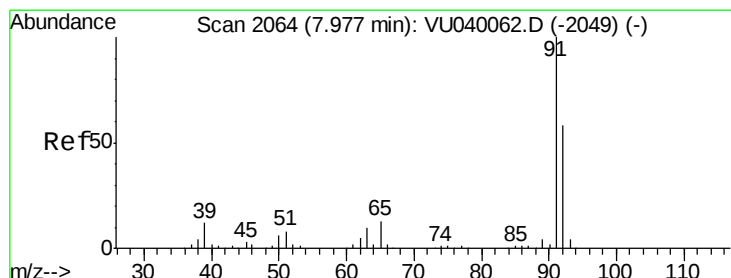
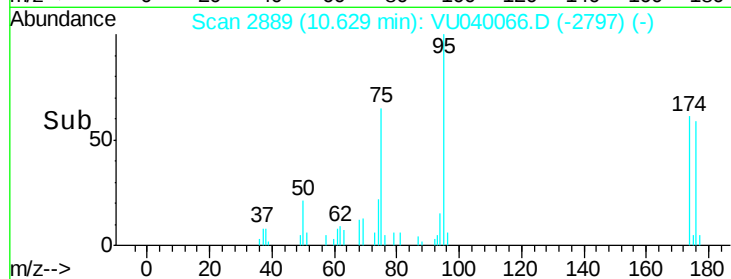
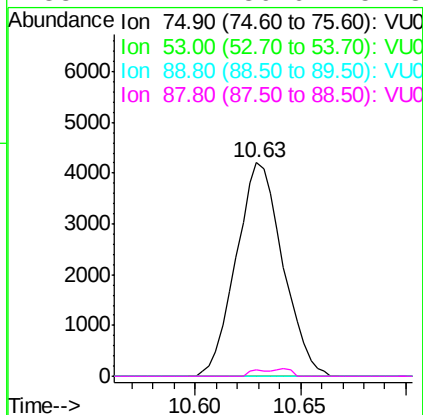
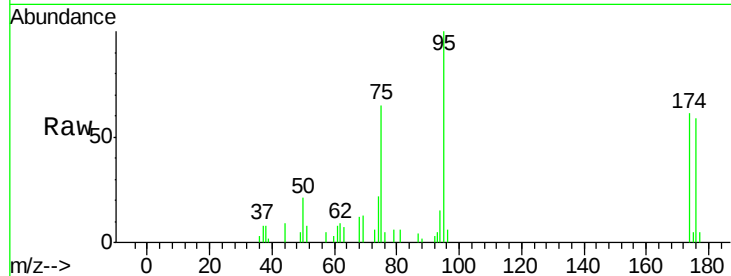




#46
t-1,4-Dichloro-2-butene
Concen: 2.516 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.20 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

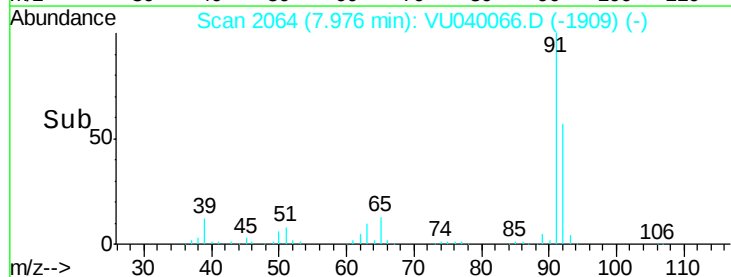
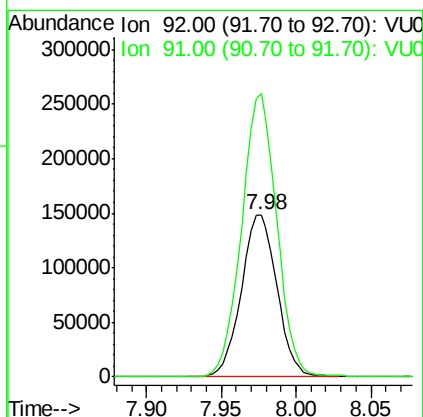
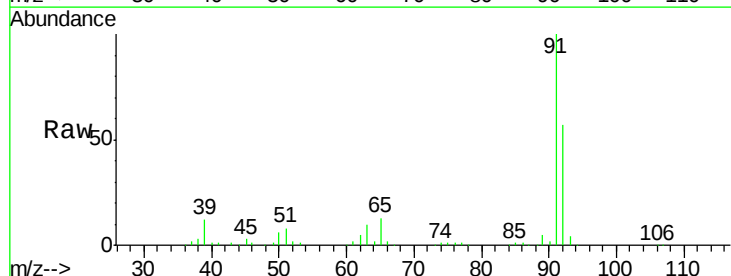
Instrument :
MSVOA_U
ClientSampleId :
TEST

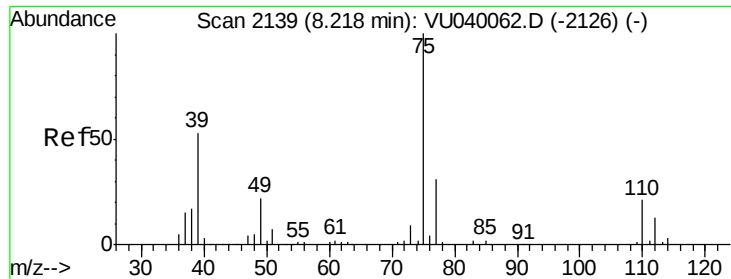
Tgt Ion: 75 Resp: 6451
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.0 41.6 62.4#
88 1.4 36.6 54.8#



#49
Toluene
Concen: 13.851 ug/l
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

Tgt Ion: 92 Resp: 246171
Ion Ratio Lower Upper
92 100
91 172.8 138.6 207.8

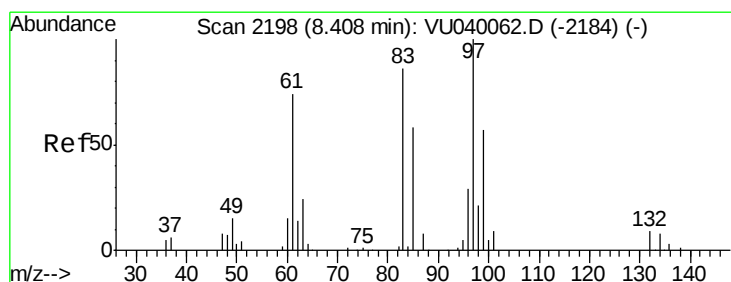
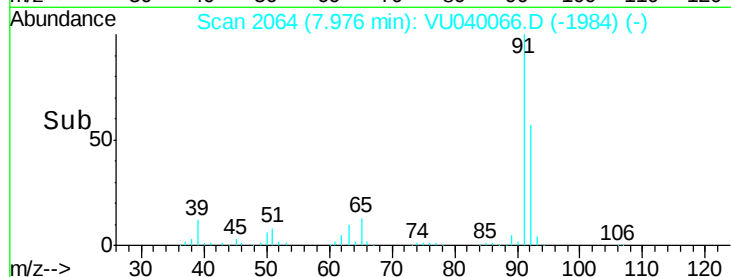
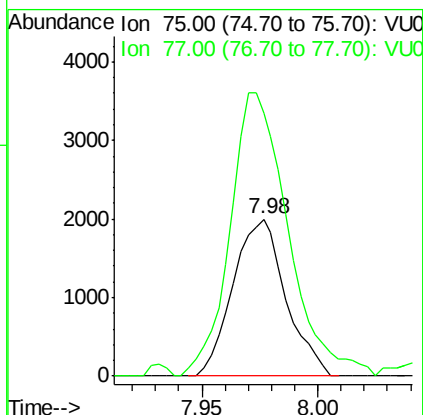
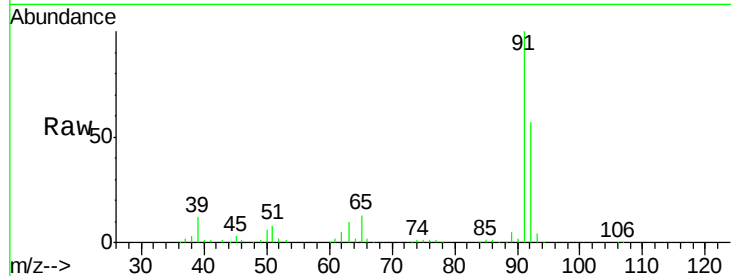




#50
t-1,3-Dichloropropene
Concen: 0.297 ug/l
RT: 7.98 min Scan# 2064
Delta R.T. -0.24 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

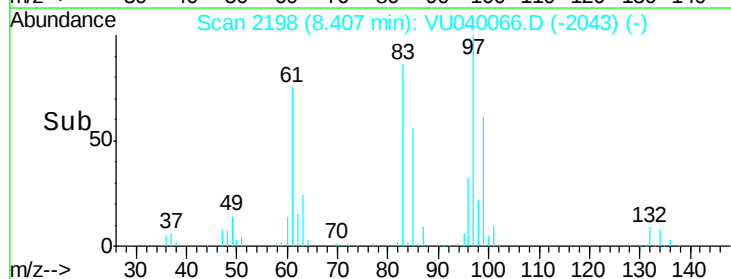
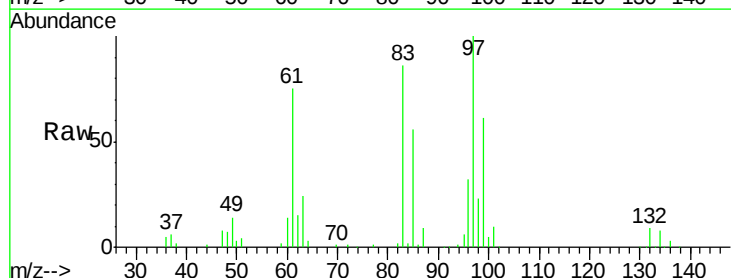
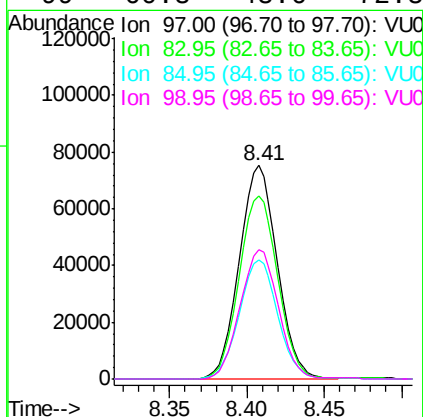
Instrument :
MSVOA_U
ClientSampleId :
TEST

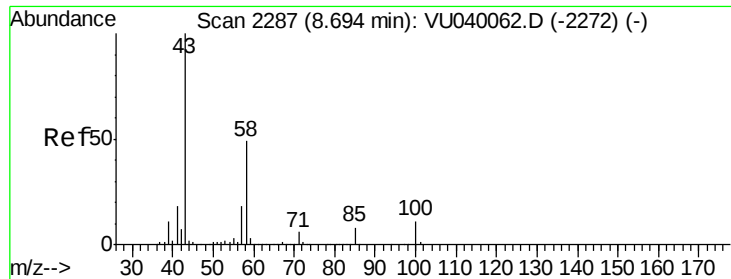
Tgt Ion: 75 Resp: 3164
Ion Ratio Lower Upper
75 100
77 161.8 24.4 36.6#



#52
1,1,2-Trichloroethane
Concen: 20.409 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

Tgt Ion: 97 Resp: 128644
Ion Ratio Lower Upper
97 100
83 85.8 68.7 103.1
85 55.8 46.7 70.1
99 60.8 48.6 72.8





#54

2-Hexanone

Concen: 0.058 ug/l

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :
MSVOA_U
ClientSampleId :
TEST

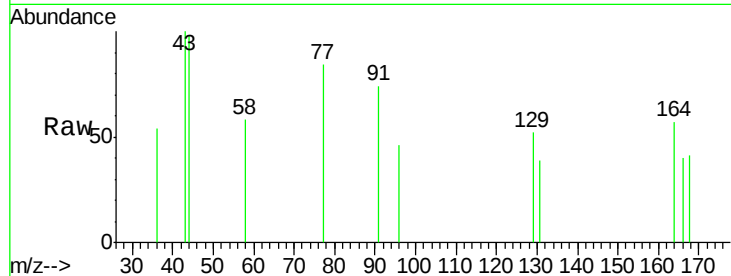
Tgt Ion: 43 Resp: 282

Ion Ratio Lower Upper

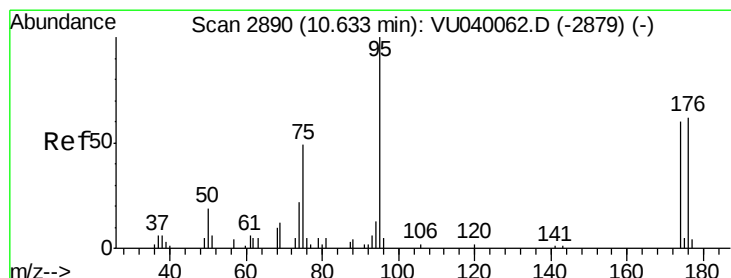
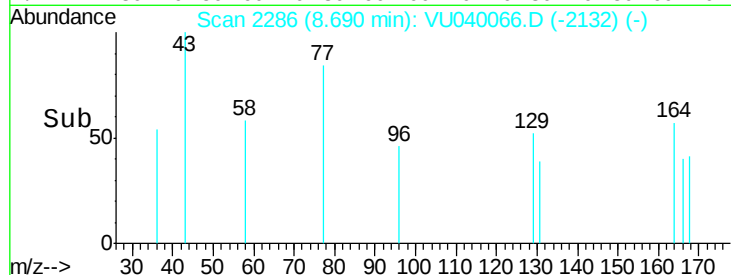
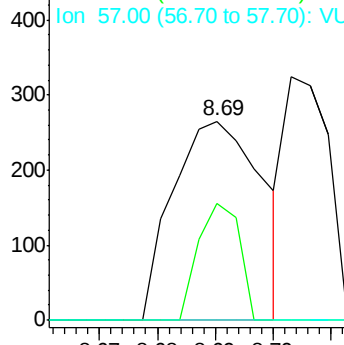
43 100

58 27.3 29.6 69.6#

57 0.0 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



#57

4-Bromofluorobenzene

Concen: 0.954 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

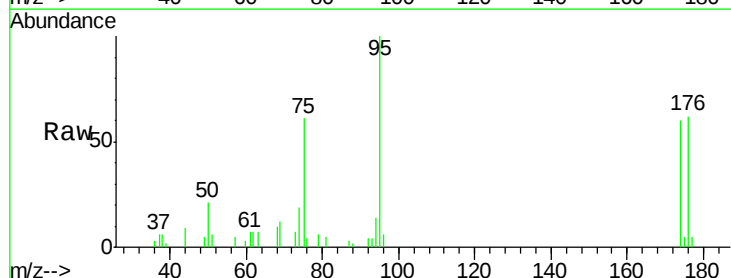
Tgt Ion: 95 Resp: 10748

Ion Ratio Lower Upper

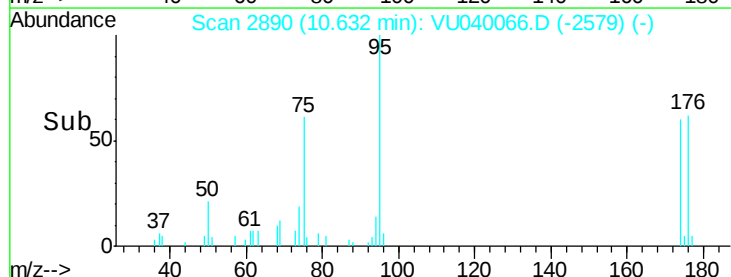
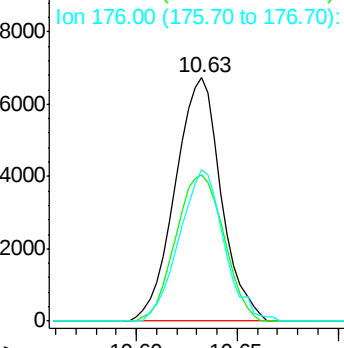
95 100

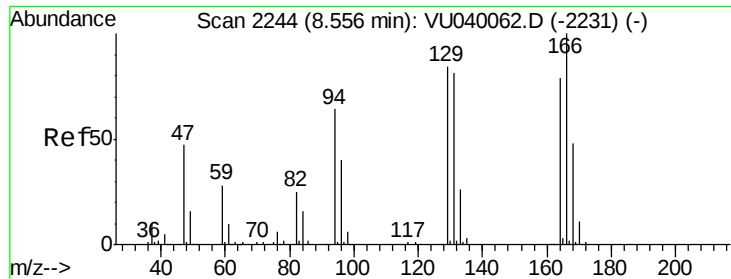
174 63.1 49.4 74.0

176 60.3 50.1 75.1



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#58

Tetrachloroethene

Concen: 13.275 ug/l

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :
MSVOA_U
ClientSampleId :
TEST

Tgt Ion:164 Resp: 96321

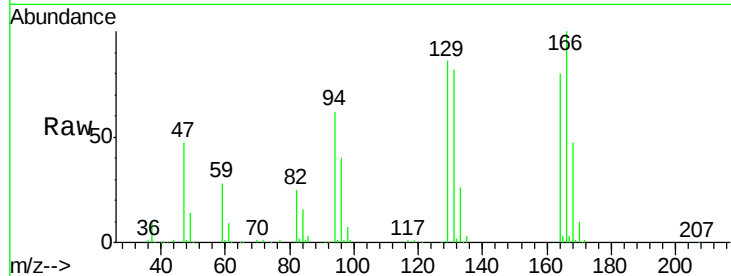
Ion Ratio Lower Upper

164 100

166 124.3 101.3 151.9

129 107.0 84.8 127.2

131 102.0 81.8 122.6

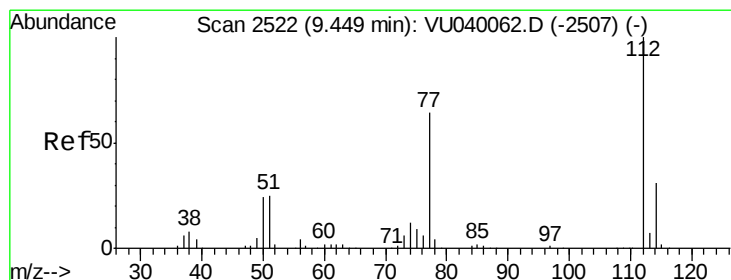
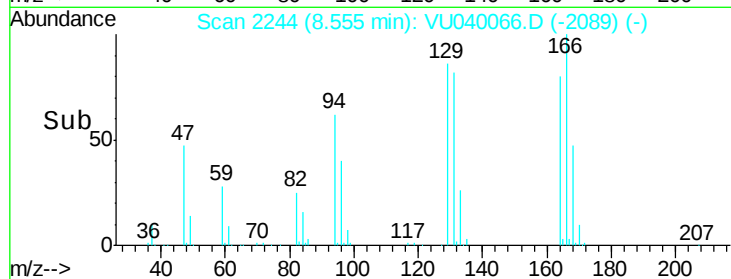
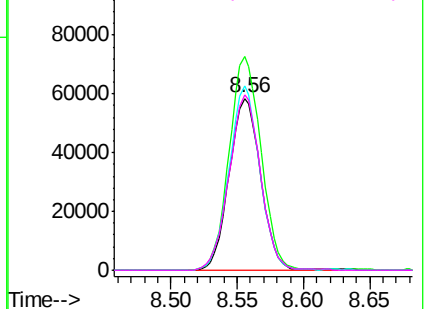


Abundance Ion 163.85 (163.55 to 164.55): V

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: 9.626 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040066.D

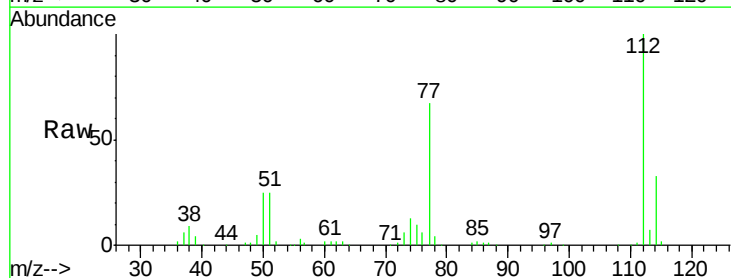
Acq: 09 Sep 2020 17:15

Tgt Ion:112 Resp: 189721

Ion Ratio Lower Upper

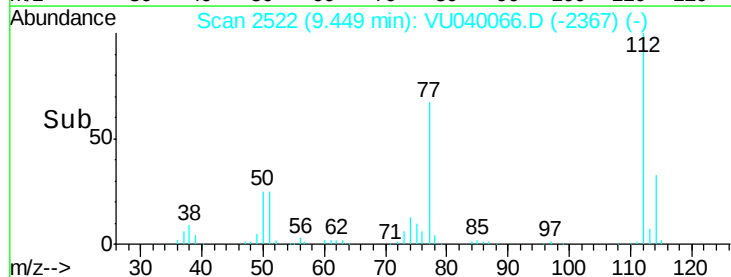
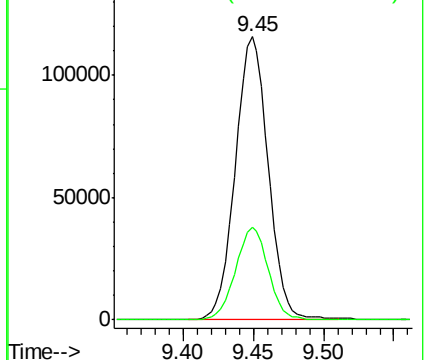
112 100

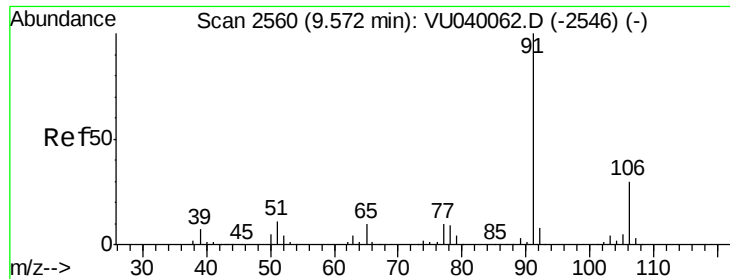
114 32.5 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

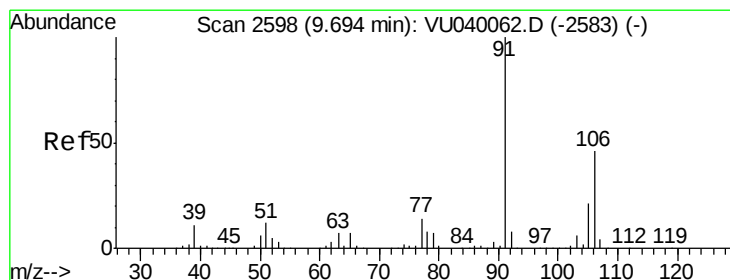
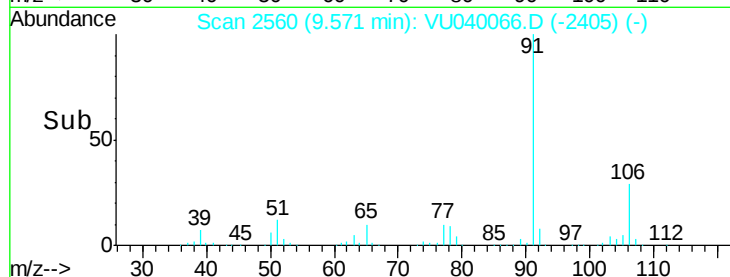
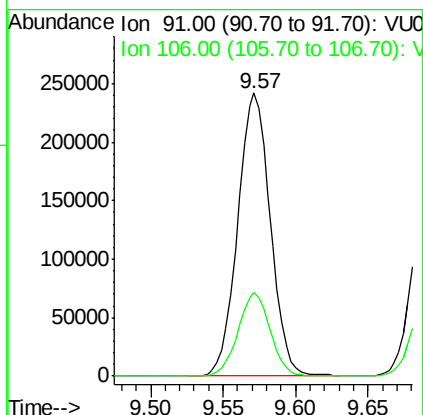
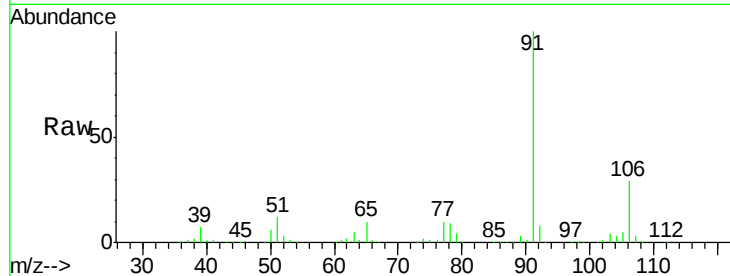




#63
Ethyl Benzene
Concen: 11.223 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

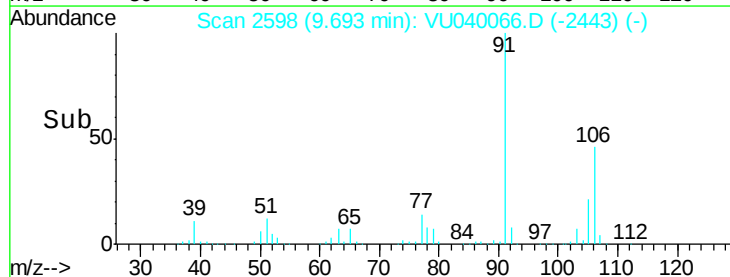
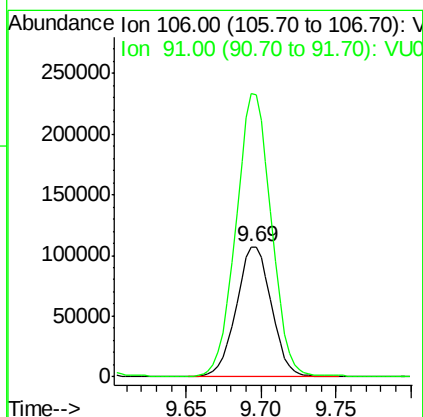
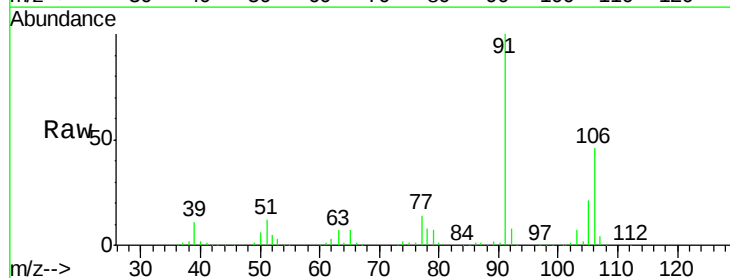
Instrument :
MSVOA_U
ClientSampleId :
TEST

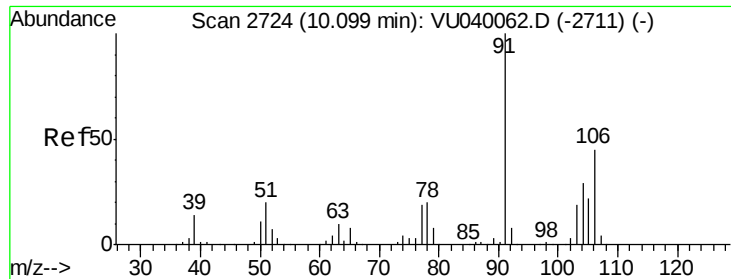
Tgt Ion: 91 Resp: 377442
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.8



#64
m/p-Xylenes
Concen: 13.895 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040066.D
Acq: 09 Sep 2020 17:15

Tgt Ion: 106 Resp: 174589
Ion Ratio Lower Upper
106 100
91 217.6 171.4 257.2





#65

o-Xylene

Concen: 18.123 ug/l

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

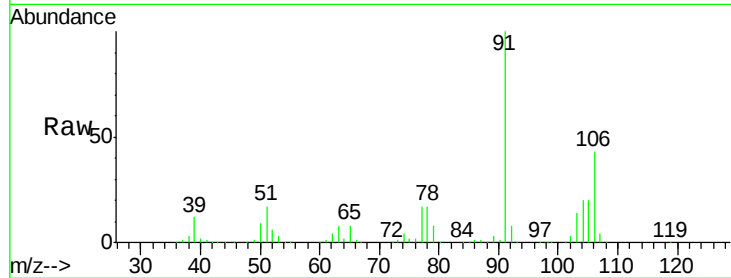
TEST

Tgt Ion:106 Resp: 219831

Ion Ratio Lower Upper

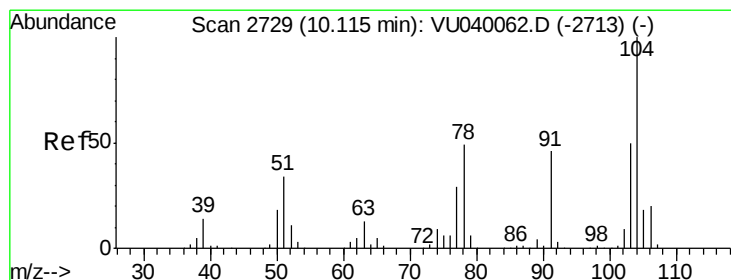
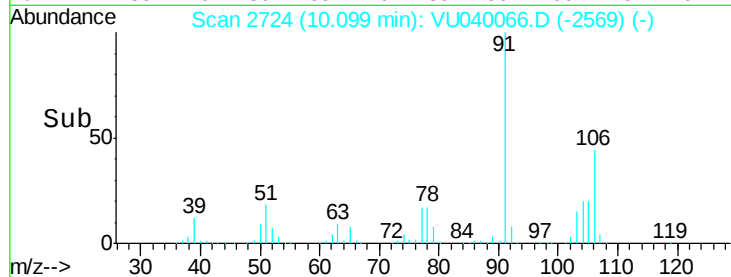
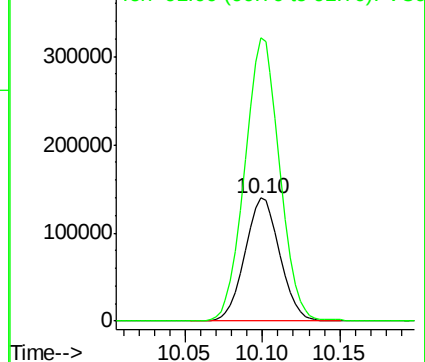
106 100

91 230.4 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 13.564 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

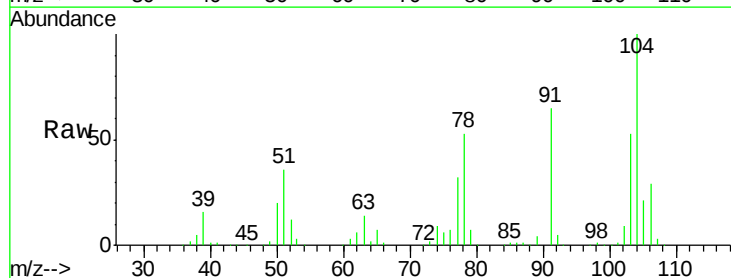
Tgt Ion:104 Resp: 288983

Ion Ratio Lower Upper

104 100

78 59.3 43.9 65.9

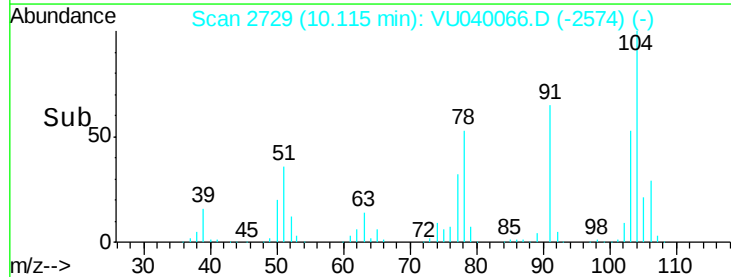
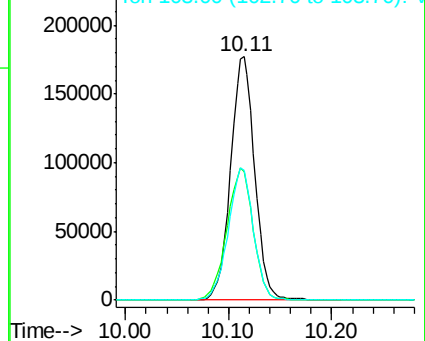
103 56.9 43.7 65.5

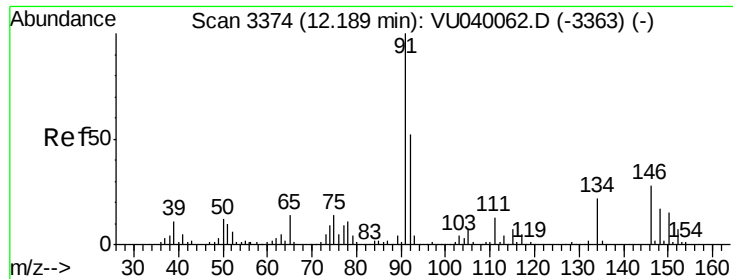


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

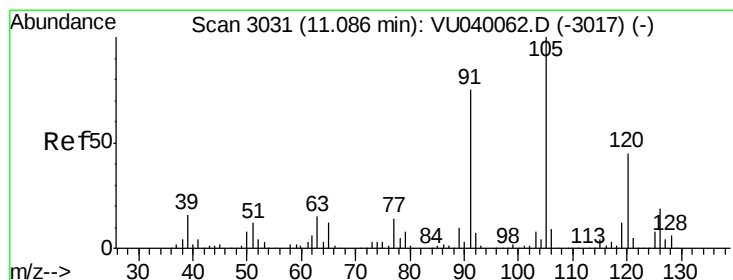
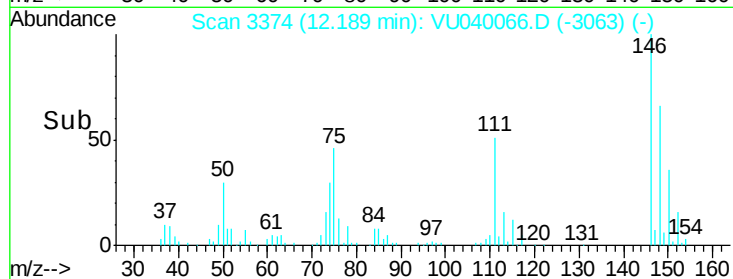
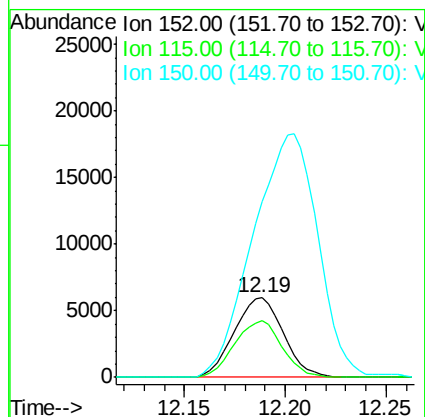
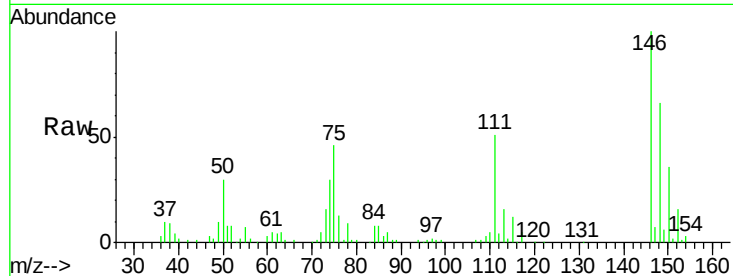




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.989 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. -0.00 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

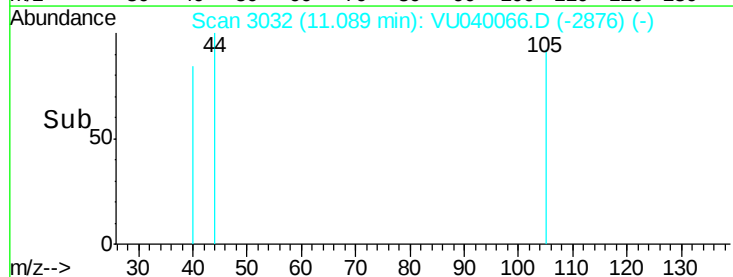
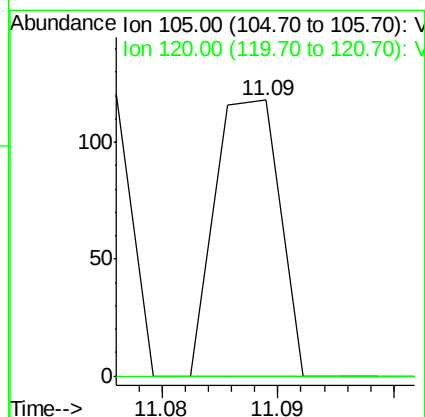
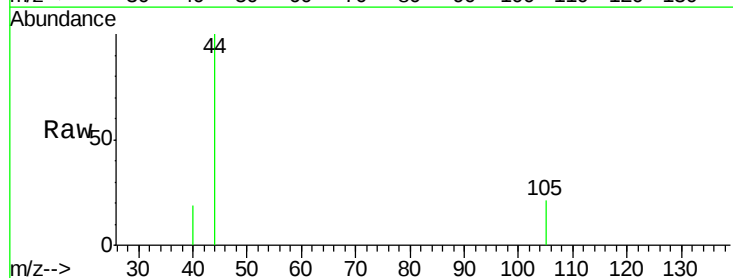
Instrument :
 MSVOA_U
 ClientSampleId :
 TEST

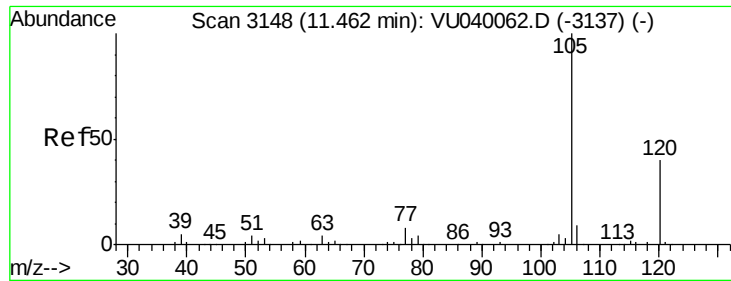
Tgt Ion:152 Resp: 10182
 Ion Ratio Lower Upper
 152 100
 115 68.9 0.0 309.0
 150 401.3 0.0 658.2



#75
 1,3,5-Trimethylbenzene
 Concen: 0.002 ug/l
 RT: 11.09 min Scan# 3032
 Delta R.T. 0.00 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion:105 Resp: 45
 Ion Ratio Lower Upper
 105 100
 120 0.0 36.6 55.0#

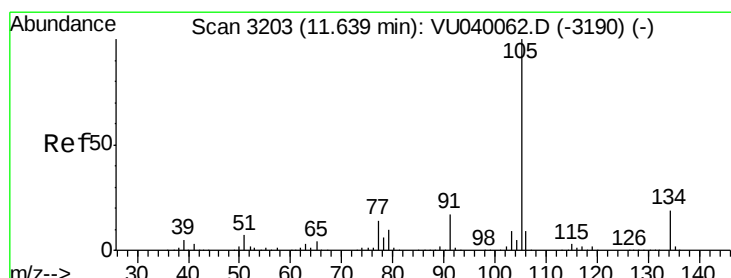
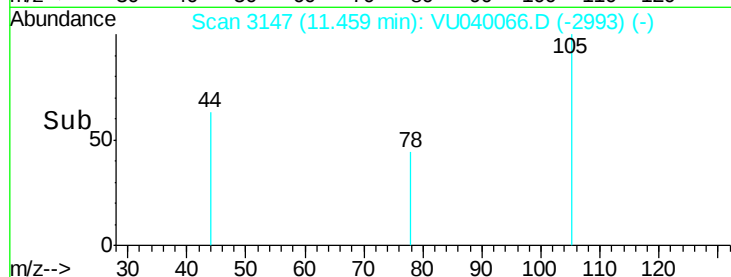
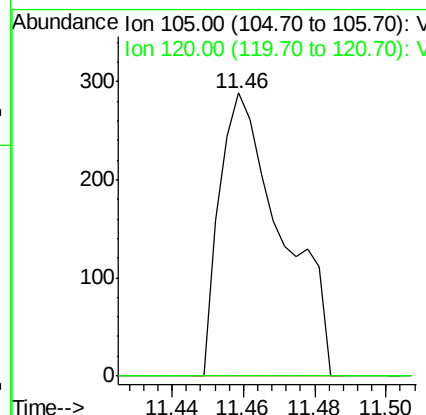
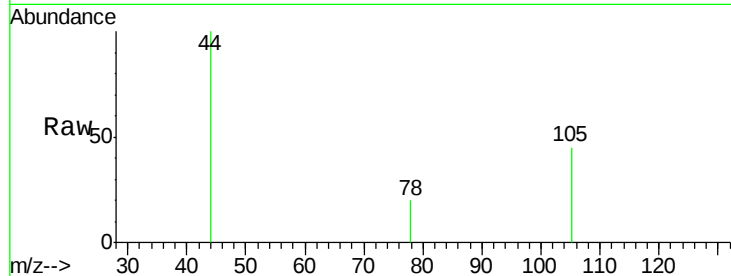




#78
 1,2,4-Trimethylbenzene
 Concen: 0.011 ug/l
 RT: 11.46 min Scan# 3147
 Delta R.T. -0.00 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

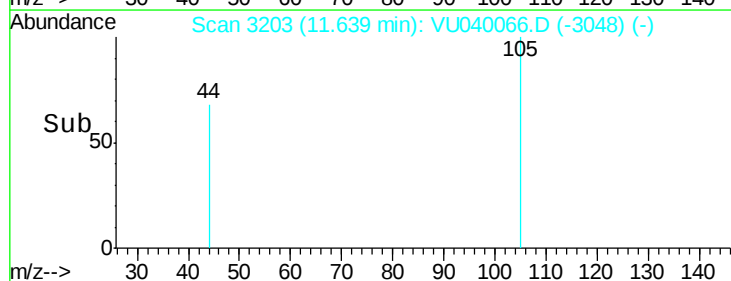
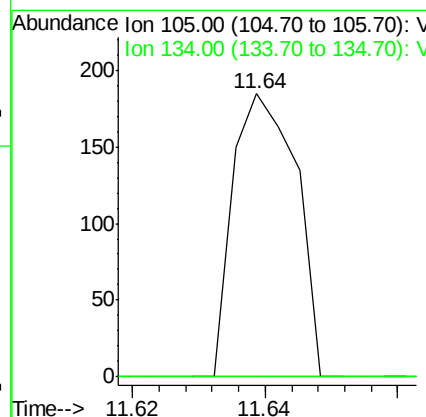
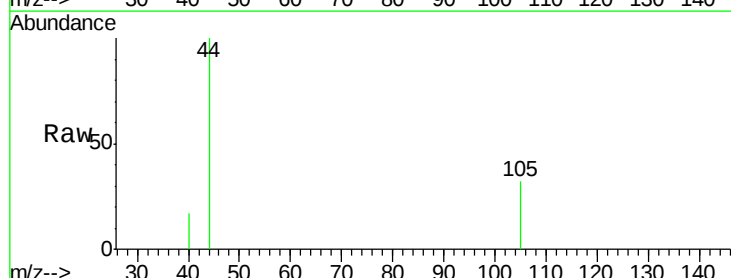
Instrument :
 MSVOA_U
 ClientSampleId :
 TEST

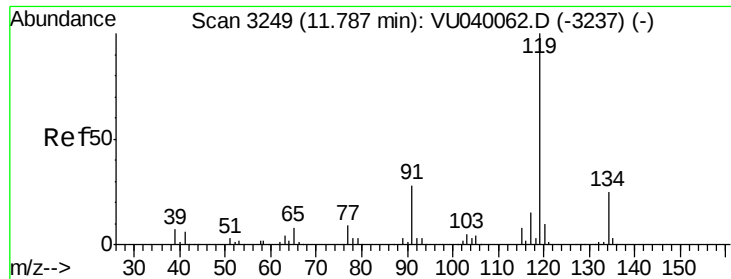
Tgt Ion:105 Resp: 349
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.9 65.5#



#79
 sec-Butylbenzene
 Concen: 0.003 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion:105 Resp: 122
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.0 22.4#

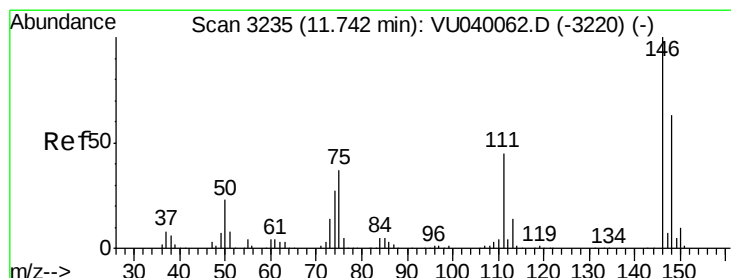
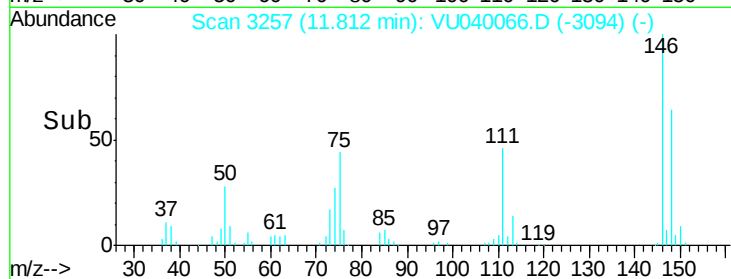
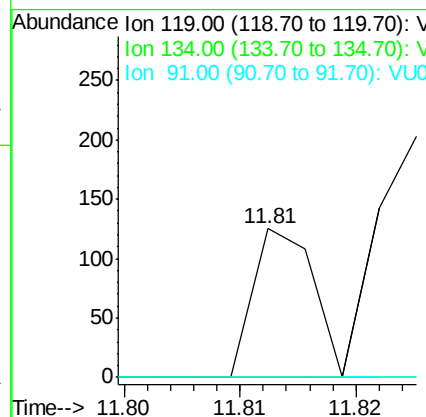
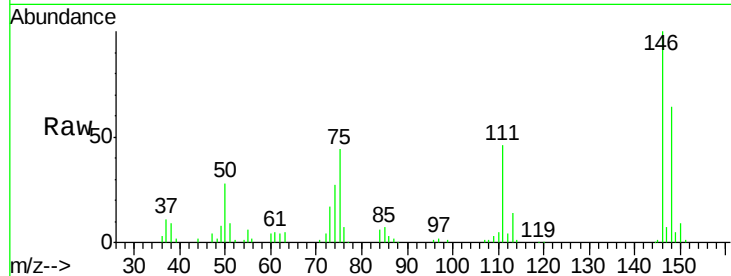




#81
 p-Isopropyltoluene
 Concen: 0.001 ug/l
 RT: 11.81 min Scan# 3257
 Delta R.T. 0.03 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

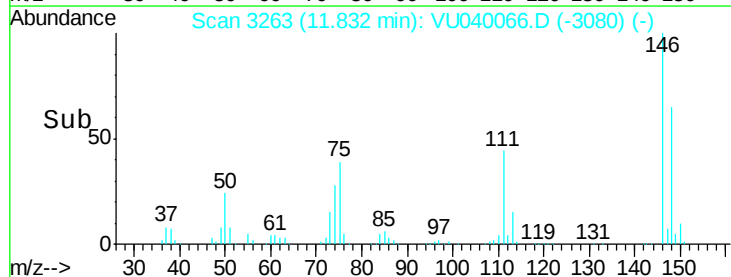
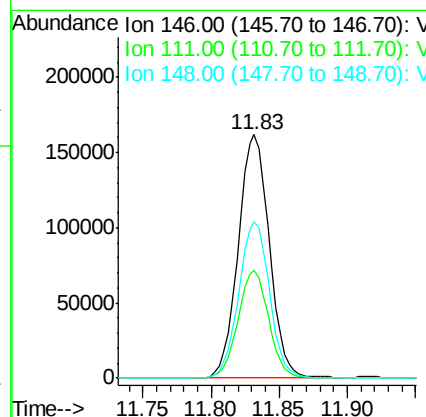
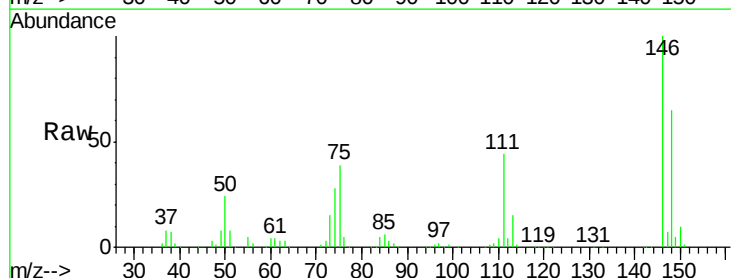
Instrument :
 MSVOA_U
 ClientSampled :
 TEST

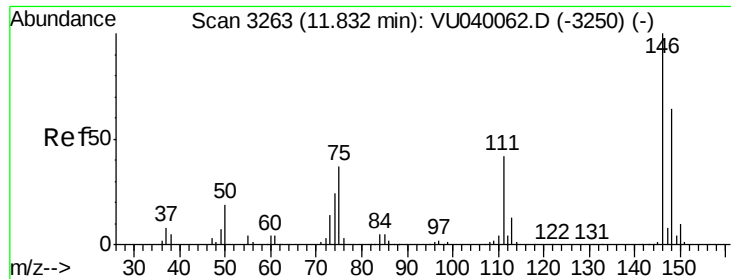
Tgt Ion:119 Resp: 45
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.3 30.5#
 91 0.0 22.2 33.2#



#82
 1,3-Dichlorobenzene
 Concen: 14.933 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.09 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion:146 Resp: 256119
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.4 53.0
 148 63.8 49.7 74.5

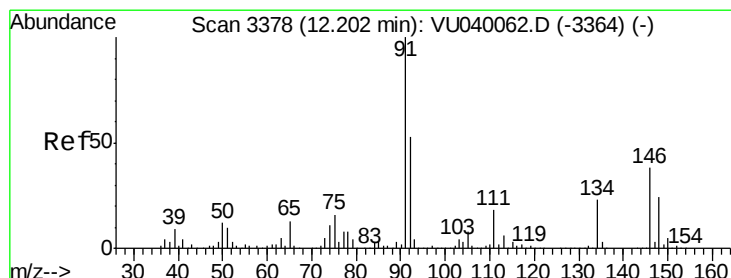
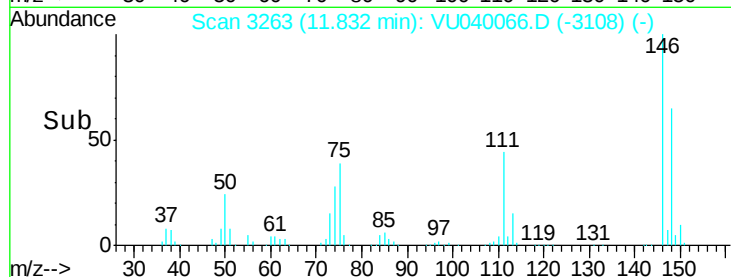
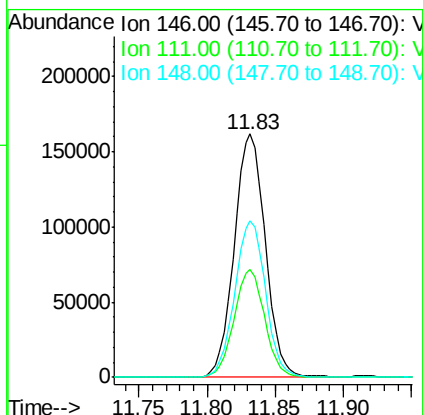
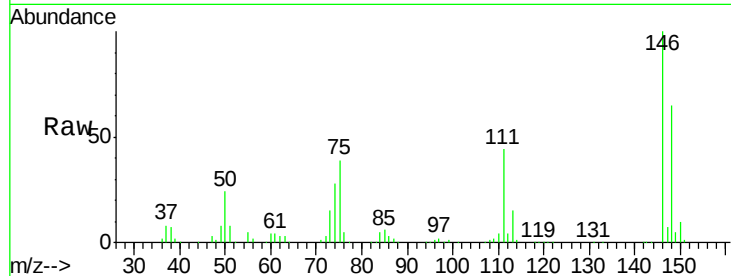




#83
 1,4-Dichlorobenzene
 Concen: 15.026 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

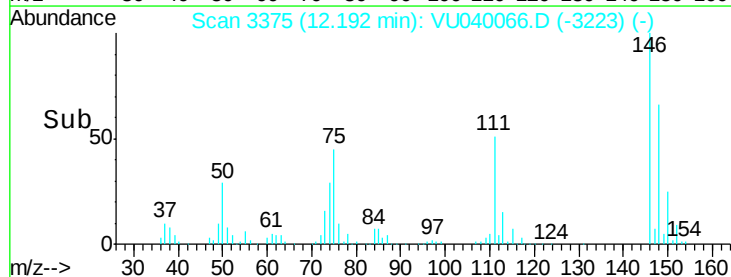
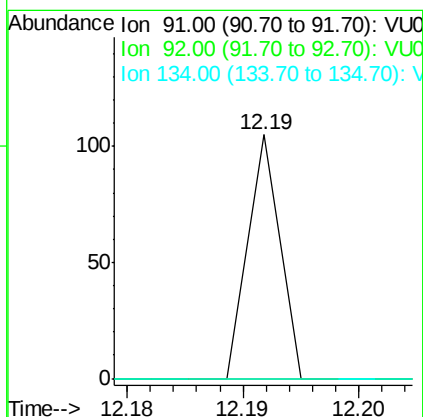
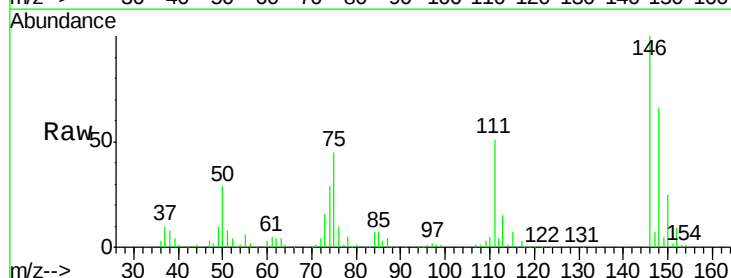
Instrument :
 MSVOA_U
 ClientSampled :
 TEST

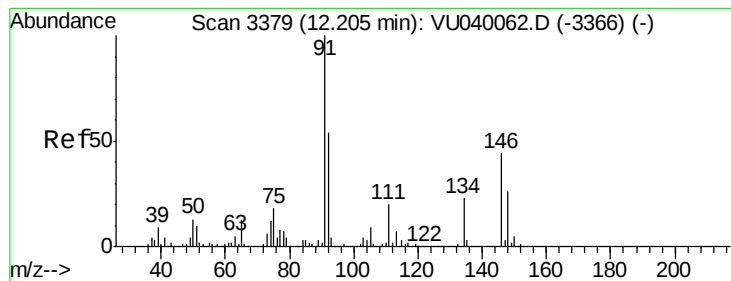
Tgt Ion: 146 Resp: 256119
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.2 51.2
 148 63.8 50.2 75.2



#84
 n-Butylbenzene
 Concen: 0.001 ug/l
 RT: 12.19 min Scan# 3375
 Delta R.T. -0.01 min
 Lab File: VU040066.D
 Acq: 09 Sep 2020 17:15

Tgt Ion: 91 Resp: 20
 Ion Ratio Lower Upper
 91 100
 92 0.0 43.0 64.4#
 134 0.0 18.6 27.8#





#85

1,2-Dichlorobenzene

Concen: 14.951 ug/l

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

TEST

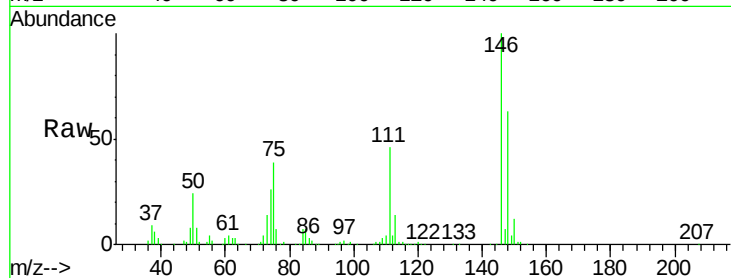
Tgt Ion:146 Resp: 246585

Ion Ratio Lower Upper

146 100

111 46.6 22.9 68.7

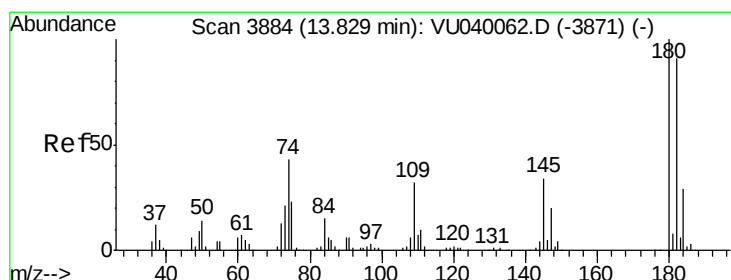
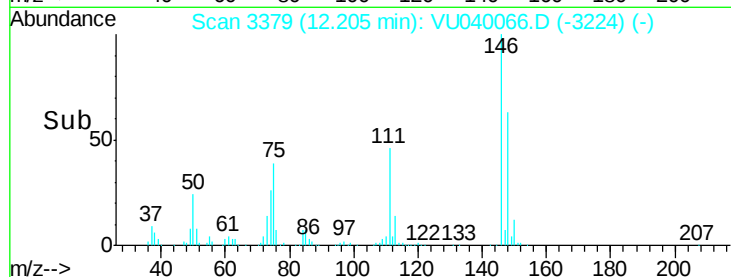
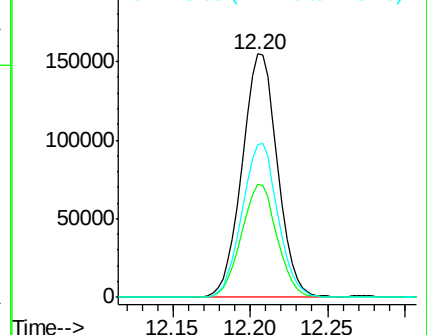
148 64.2 31.1 93.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#87

1,2,4-Trichlorobenzene

Concen: 21.099 ug/l

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU040066.D

Acq: 09 Sep 2020 17:15

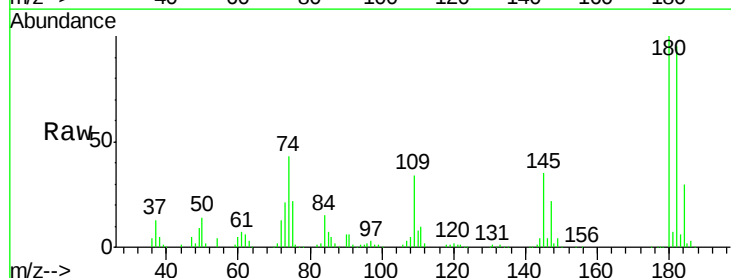
Tgt Ion:180 Resp: 200846

Ion Ratio Lower Upper

180 100

182 94.5 75.0 112.4

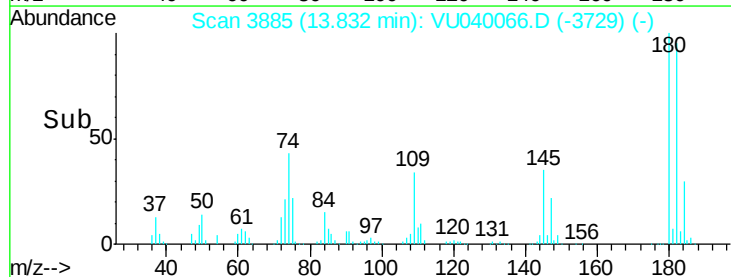
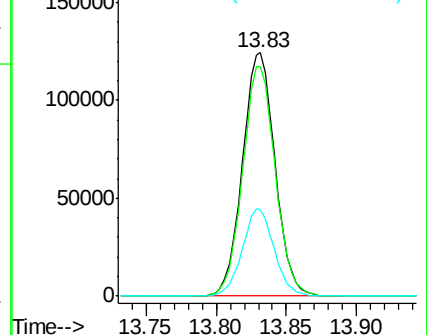
145 35.0 27.7 41.5

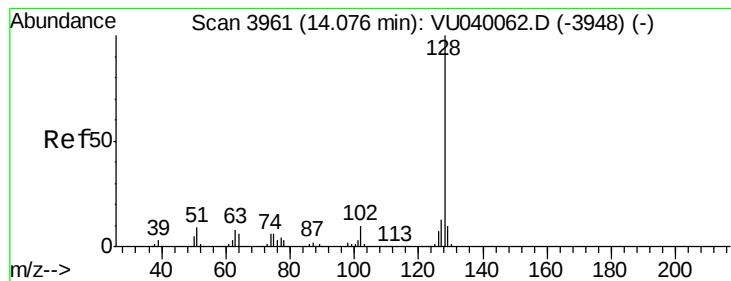


Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#89

Naphthalene

Concen: 0.577 ug/l

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU040066.D

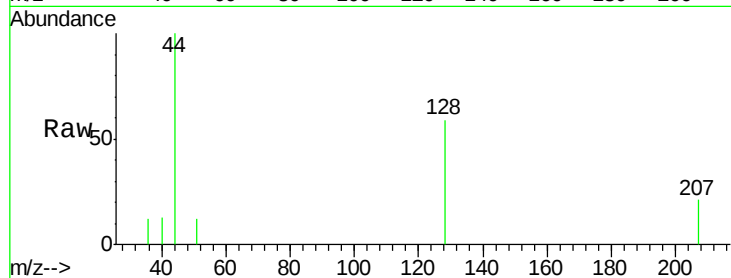
Acq: 09 Sep 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

TEST



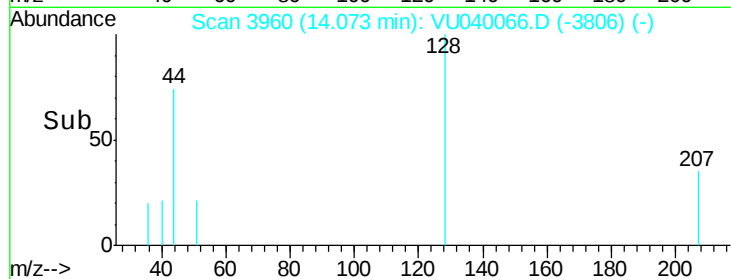
Tgt Ion:128 Resp: 646

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 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

